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Welcome to Morae

The components of *Morae* – *Recorder*, *Manager* and *Remote Viewer* – work together to provide an easy-to-use, complete recording system based on TechSmith's Rich Recording Technology™. This new technology gives you the power to see beyond the screen video with a synchronized chronicle of system activity. Now you can collect, search, analyze, and share critical events occurring on your computer system in ways never before possible.

About Morae

Morae Recorder

Using TechSmith Rich Recording Technology, *Morae Recorder* records the events on the computer screen in sync with the video and audio of the user, and it also creates a complete chronicle of events that occur behind the scenes in applications and the operating system. *Recorder* captures multiple input streams (depending on the settings you specify during configuration) and then saves the recording in a file format that you can later import into a project within *Manager*. *Morae Recorder* can also stream screen video, camera video, and audio to one or more *Morae Remote Viewer* components.

Morae Remote Viewer

Morae's Remote Viewer component enables one or several computers to connect to *Recorder* over a LAN or WAN. With *Remote Viewer* you can observe the screen activity and camera video (as Picture in Picture), as well as hear audio, streamed from the *Recorder* source computer. Multiple observers can set Markers, complete with text notes, at critical moments during the recording. These Markers are then sent back to *Recorder* and saved in the recording file for later review in *Manager*. *Remote Viewer* also provides the option to save the audio, camera video and screen video streams from a recording session in a WMV file, which can be played back immediately. Use of *Remote Viewer* is completely optional.

Note: *Morae* includes one licensed copy of *Remote Viewer*. If you wish to connect multiple *Remote Viewer* computers to *Recorder* simultaneously, additional licenses for *Remote Viewer* can be purchased from TechSmith.

Morae Manager

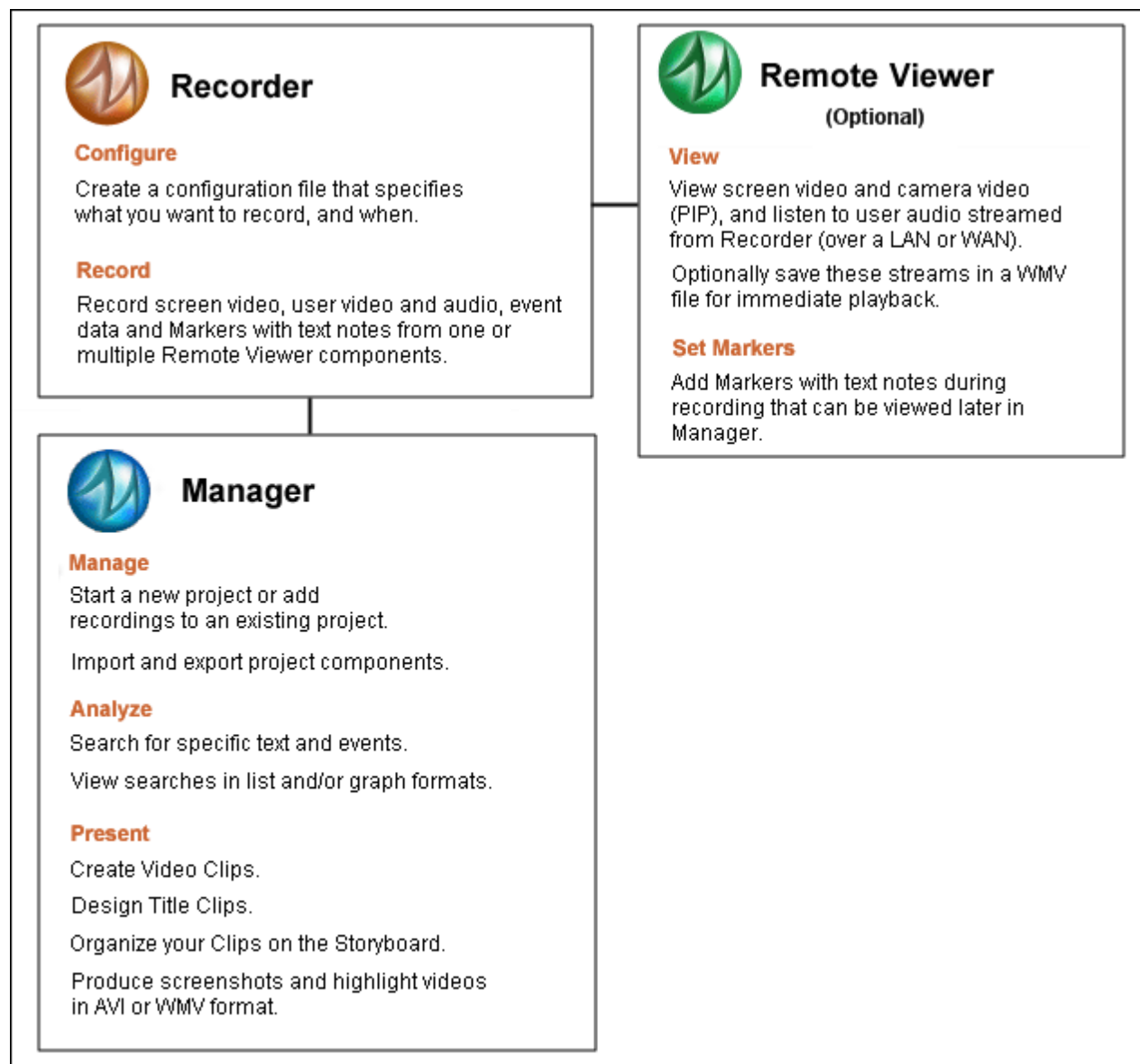
Using *Morae Manager*, you can create new projects and import recordings made by *Recorder*. *Manager's Search Editor* allows you to search through recordings based on the occurrence of a certain activity — such as the execution of a certain keystroke, a mouse click, or the viewing of specific text. You can also mark important points or sections of a recording, view Markers and associated text notes that were created in *Remote Viewer*, perform in-depth analysis of your search results, and quickly create a highlight video of the results that you want to share.

Manager's functionality is divided between two tabs:

- **Analyzer Tab** – allows you to search through your recordings, mark points of interest, isolate smaller Segments of a recording, and perform in-depth analysis of the recorded data.
- **Presenter Tab** – allows you to further refine your recording Segments into Video Clips, create Title Clips, organize the Clips on the *Storyboard*, and produce a highlight video.

How Morae's Components Work Together

The following figure illustrates the way *Morae Recorder*, *Manager*, and *Remote Viewer* work together:



Using Morae: An Overview of the Process

The process of recording, analyzing, and presenting (and optionally, remote viewing) connects the components of *Morae* together. This section gives you a brief overview of that process, including the topics in this *Guide* that address each step in the process.

Step 1: Record

Component: **Recorder**

- Six Steps to a Successful Recording
- Creating a Recording

Step 2 (optional): Observe and Mark

Component: **Remote Viewer**

- Establishing a Connection to Recorder
- Observing a Recording in Remote Viewer
- Creating Markers in Remote Viewer

Step 3: Analyze

Component: **Manager** (*Analyzer tab*)

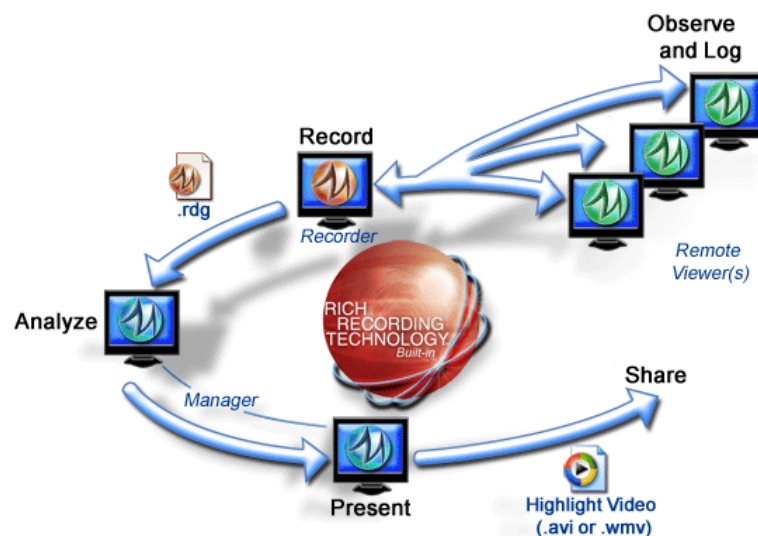
- Creating a Project and Importing Recordings
- Marking Important Points in a Recording
- Searching
- Analyzing Recording Data Using Morae

Step 4: Present and Share

Component: **Manager** (*Presenter tab*)

- Creating a Highlight Video
- Producing the Highlight Video

Illustration of the Morae Process



System Requirements and Installation Instructions

In order to get the best performance from *Morae*, please follow the system requirements and installation instructions provided in this section.

Morae System Requirements

To run the components of *Morae*, the computer systems designated for each component must meet the following requirements:

- Microsoft Windows 2000 or XP
- Microsoft DirectX 8.1 (9.0 or higher recommended)
- 1.5 GHz processor (2 GHz recommended)
- **For Manager:** 256 MB RAM (512 MB recommended)
- **For Recorder/Remote Viewer:** 512 MB RAM or higher
- Video card with 64 MB dedicated RAM (128 recommended)
- Windows-compatible sound card, microphone and speakers (recommended)
- 20 MB hard-drive space for installation
- **For Recorder only:** USB camera (recommended)
- **If using Remote Viewer:** Recorder and Remote Viewer computers need to be networked computers with a 10 Mbps connection (100 Mbps recommended)

Note: The source computer running *Recorder* and the computer running *Remote Viewer* must be connected to the same LAN or WAN network.

Installation Instructions

Your *Morae* software comes with two installation CD-ROMs: one that contains the *Manager* installer and one that contains a combined *Recorder/Remote Viewer* installer. The *Manager* component requires activation with your software key once it is installed. Follow the installation and activation instructions below.

Installing Morae Recorder/Remote Viewer

1. Start Windows.
2. Insert the *Morae Recorder/Remote Viewer* CD-ROM into the CD-ROM drive. *Recorder/Remote Viewer* setup will automatically start when you close the drive.
3. Simply follow the install prompts using the default options, if desired.
4. When prompted, select which component(s) you want to install.
5. Once the installation is complete, restart Windows if prompted to do so.

Installing Manager

1. Start Windows.
2. Insert the *Manager* CD-ROM into the CD-ROM drive. Setup will automatically start when you close the drive.
3. Simply follow the install prompts using the default options if desired.
4. Once the installation is complete, restart Windows if prompted to do so.

Activating Manager

The first time you open *Manager* after installation, you will be prompted to activate the component. The activation wizard will appear. This wizard will take you through the steps necessary to activate *Manager* either by Internet or by Phone. You only have to activate *Manager* once.

Activation is a product security process that prevents the unlicensed duplication of the *Manager* component. This process “locks” the *Manager* component to the computer on which it is activated. Unlike product registration, activation is an anonymous process that does not require you to submit information about yourself. The process simply confirms that you have a licensed copy of *Manager*.

To activate by Internet

To complete the activation process by Internet, you will need your **Software Key**. The Key is located on your *Morae* packaging, on the shipping receipt, and in the purchase confirmation e-mail you received. If you cannot locate your Software Key, please contact TechSmith customer service.

1. Choose the **Activate** radio button to begin the activation process. Click **Next** to continue.
2. Choose the **Internet** radio button and click **Next**.
3. Enter your Key in the **Software Key** field. You can find this Key on your *Morae* packaging.
4. Click **Next** to activate *Manager*. When activation is complete, *Manager* will open.

To activate by Phone

1. Choose the **Activate** radio button to begin the activation process. Click **Next** to continue.
2. Choose the **Phone** radio button and click **Next**.
3. The *Phone Activation* dialog box appears, containing a Challenge Code. Leave this dialog box in plain view.
4. Contact TechSmith customer service and report the Challenge Code to the support person. You will be given an Activation Code.
To contact customer service, call +1.517.381.2300 x636.
5. Enter that code in the **Activation Code** field.
6. Click **Finish** to activate *Manager*. When activation is complete, *Manager* will open.

Note: Choose the **Activate Later** radio button if you are having difficulty activating and want to begin using *Manager*. The **Activate Later** option will expire after 15 days. Once this time period is up, *Manager* will not work unless you go through the activation process.

Getting Help with Morae

There are several ways to access help when you run into questions or problems using *Morae*.

Finding Answers in the Documentation and Help System

The contents of *Morae*'s printed guides and Help system are accessible from within the product and also on TechSmith's Web site. If you would like to submit feedback on the *Morae* documentation at any time, please send email to MoraeDocs@TechSmith.com.

Morae's Printed Documentation

Morae ships with two printed guides: the *Getting Started Guide* and the *Reference Guide*:

- *Morae's Getting Started Guide* contains three *Getting Started* sections, one for each component of *Morae* – *Recorder*, *Manager*, and *Remote Viewer*. This guide will help you get up and running with the components; it contains system requirements and installation instructions, as well as an orientation to all of the basic processes involved in using each component.
- As a companion to the *Getting Started Guide*, we also provide the *Reference Guide*. The *Reference Guide* contains detailed information about every feature available in each component. It also contains some valuable background information about video codecs, and how to improve the audio and video quality of your recordings.

Morae's Help System

Morae's Help system, which is incorporated into each component of the product, contains the information you'll need to successfully use the components of *Morae*. You can access the Help system through the *Help* menu within each component of *Morae*. The Help contents are updated with every release of the software.

You can also get context-sensitive help within *Morae* by pressing the F1 button on your keyboard. The Help topic for the screen or area of the software you are currently using will appear automatically. When you've finished reading, simply close the Help window.

The most current version of *Morae*'s Help system is always available, and searchable, on our Web site at <http://www.techsmith.com/techsupp/morae/documentation/documentation.asp>.

Asking TechSmith for Help

Help with installation-related issues is provided at no cost. If you experience problems installing *Morae*, we encourage you to contact TechSmith Technical Support.

All additional technical support for *Morae* is provided under the *Morae* Essential Plan.

Morae Essential Plan

The *Morae* Essential Plan is designed to ensure your success by providing the maximum benefit for your investment. With one comprehensive plan, you are guaranteed ongoing maintenance, upgrades and priority support. For more information about this plan, please contact your *Morae* representative at moraesales@techsmith.com.

Morae Technical Support Site

Additional support resources, such as TechNotes, tutorials, and FAQs are also always available and are being continuously updated online at the *Morae* Technical Support Center on TechSmith's Web site.

Reading Balloon Tips and Tip Dialogs

Morae actively offers you help both in the form of *balloon tips* (in *Manager* only) and *tip dialogs* (in *Manager* and *Recorder*). Both types of tips contain helpful information and recommendations related to the task you are trying to complete.

Balloon tips will appear only the first couple of times you complete a particular task, and then they will automatically stop being displayed. Tip dialogs will always appear unless you disable one or more of the dialogs manually.

To Reset Balloon Tips in Manager

If *Manager's* balloon tips stop appearing, and you wish to reset them so that they will appear again, choose **Help > Reset Balloon Tips**.

To Disable Tip Dialogs

If you want to disable all of the tip dialogs so that they do not appear:

- *Recorder* – Choose **Record > Settings > Preferences** tab and then remove the checkmark from the **Show all tips** option.
- *Manager* – Choose **File > Preferences** and then remove the checkmark from the **Show all tips** option.

You can also disable an individual tip dialog by removing the checkmark from the **Show tip again** option in the lower left-hand corner of the dialog box:



Getting Started with Recorder

Recorder allows you to record the video (screen and camera), audio, and data input streams from a testing or monitoring session. The data input streams can include when the user:

- Triggered window or dialog events (opening and closing windows, menus, etc.)
- Navigated between Web pages
- Pressed a key on the keyboard
- Viewed specific text
- Clicked somewhere with the mouse

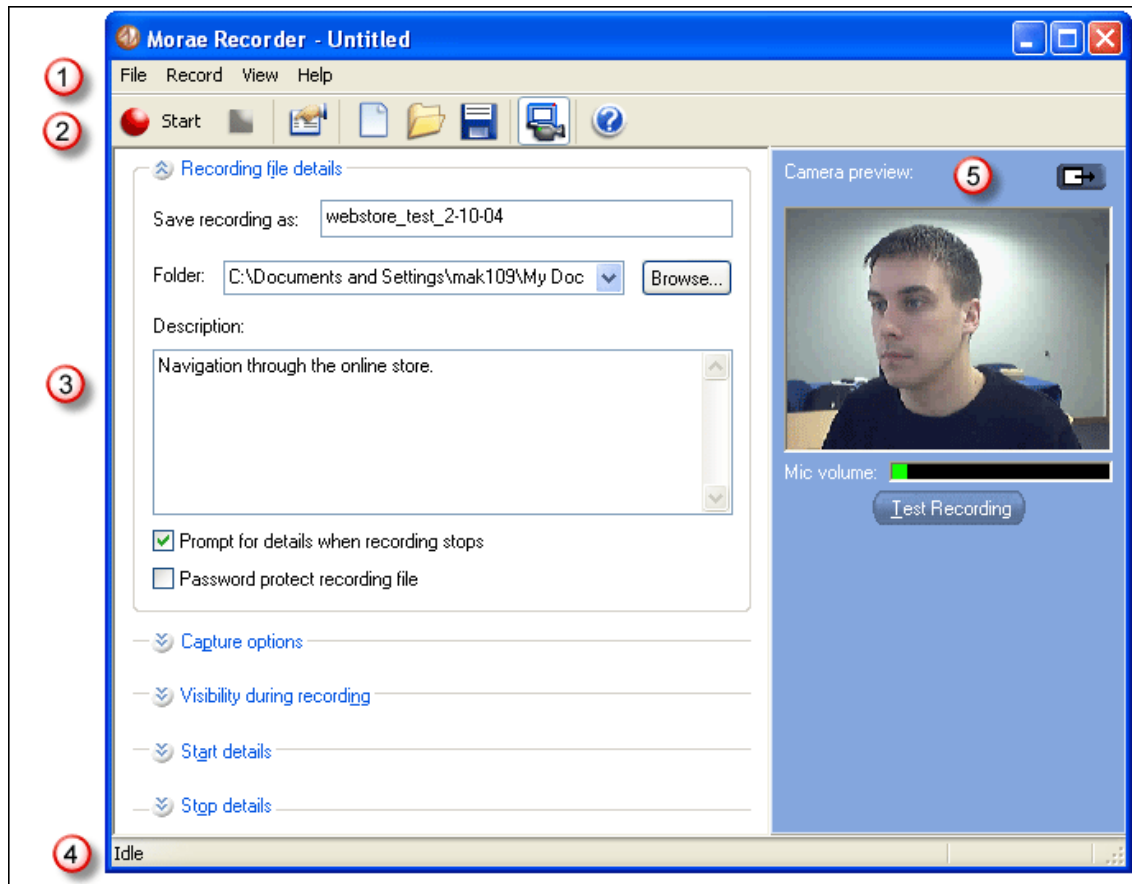
During recording, *Recorder* can send screen video, camera video and audio, to one or more *Remote Viewer* computers connected over a local area or wide area network (LAN or WAN). For more information about *Remote Viewer*, see *Getting Started with Remote Viewer*.

When a recording session is complete, *Recorder* synchronizes the video, audio and data input streams in a recording that you can later open in *Manager* for viewing and analysis.

This chapter will familiarize you with *Recorder's* appearance and features and show you how to customize *Recorder's* configuration to capture exactly the data you need. For detailed information about any of the options in *Recorder*, see *Recorder Reference*.

Getting Familiar with Recorder's Interface

The following figure offers a brief tour of *Recorder's* interface.



- 1 **Menu Bar.** The menu bar gives you access to all of *Recorder's* options. For more information, see *Recorder Menus*.
- 2 **Toolbar.** The toolbar places *Recorder's* most commonly used options within easy reach. For more information, see *Recorder Toolbar Options*.
- 3 **Configuration Pane.** The options in this pane let you customize the settings that *Recorder* uses for a recording. For more information, see *Configuration Pane Options*.
- 4 **Status Bar.** The status bar displays helpful information about the status of *Recorder*.
- 5 **Camera Preview Pane.** This pane displays a preview of the camera video and the approximate microphone volume level. Using the **Test Recording** button, you can record and playback a 10-second test recording session. For more information, see *Camera Preview Pane Options*.

Six Steps to a Successful Recording

Follow these six steps to successfully begin recording and remote viewing using *Morae*.

Step 1: Install *Recorder* on the testing computer. Launch *Recorder*.

For more information, see *System Requirements and Installation Instructions*.

Step 2: Use the default configuration or create a customized configuration for your recording.

If you plan to record multiple participants using the same settings, you may find it useful to save this configuration. For more information, see *Creating a Recording*

Step 3: Double-check your *Recorder* setup using the Test Recording option.

During the test recording, you may want to run the product, application, or site that you will be testing.

Step 4 (optional): Install *Remote Viewer* on the remote observing computer(s). Launch *Remote Viewer*.


For more information, see *System Requirements and Installation Instructions*.

Note: *Morae* includes one licensed copy of *Remote Viewer*. If you wish to connect multiple *Remote Viewer* stations to *Recorder* simultaneously, additional licenses are available for purchase from TechSmith.

Step 5 (optional): Connect *Remote Viewer* computer(s) to *Recorder*.

Confirm that all *Remote Viewer* computers are connected to the *Recorder* source computer via a LAN or WAN. For more information about connecting to *Recorder*, see *Establishing a Connection to Recorder*.

Step 6: Start Recording

You are all set to make your first recording! Choose the **Start** button  when you are ready to begin.

Creating a Recording

There are two ways to create a recording using *Recorder*:

- **One-Click Recording** — Record immediately using *Recorder*'s default settings. For more information about these default settings, see *Recorder's Default Configuration Settings*.
- **Custom Recording** — Plan and customize your recording settings in advance, and optionally save them in a configuration file.

This section will give you some information about recording files and global settings for *Recorder*. It will also explain the steps involved in create recordings using each method – one-click and custom.

About Recording Files

Regardless of the recording method you choose, the input streams captured during each recording will be stored in a *Morae* recording (.rdg) file. The maximum size of a recording file is 600 MB, so that a single recording file is never too large to fit on a CD-ROM. If the recording is very long or large in size and exceeds this 600 MB maximum, additional “rollover” files will be created. For more information about rollover files, as well as storing and moving recording files, see *Managing Recording Files*.

Recording File Verification


After you complete a recording, there will be a brief delay as the recording file is written out. A progress dialog will verify that this is occurring. Once the file is written, there will be another brief delay as it is automatically verified by *Recorder*. During verification, *Recorder* examines the file to be certain that it has been written without error. If an error is detected, *Recorder* will notify you and give you the option to either repeat the writing out process or to cancel the recording.

Recorder's Global Settings



The *Settings* dialog box in *Recorder* contains four tabs that give you access to various settings for screen video, audio, camera and preferences. These settings are “global,” which means that they affect every recording you make. This distinguishes them from configuration settings, which affect only those recordings created when a specific configuration is loaded into *Recorder*.


Briefly, the global settings options include:

- **Screen Video** – video compression selections and frame rate.
- **Audio** – microphone device and volume level.
- **Camera** – camera video devices, compression selections, camera properties and video format options.
- **Preferences** – temporary and default folder locations for *Recorder* output and performance options (i.e., hardware acceleration).




To access the *Settings* dialog box, click the **Recorder Settings** button  or choose **Record > Settings**. For more detailed information about all of the options available in the *Settings* dialog box, see *Recorder's Global Settings*.

One-Click Recording

To begin recording immediately using *Recorder's* default settings, simply launch *Recorder* and click the **Start** button . *Recorder* will minimize to a tray icon  during recording.

Note: By default, your recordings will be stored in the “My Documents\Morae” folder on the *Recorder* source computer's system, which is the **Default output folder**. To change the location of this folder, click the **Recorder Settings** button  and choose the *Preferences* tab.

Helpful Tips for One-Click Recording

To access a menu of <i>Recorder</i> controls	Right-click on the tray icon. 
To make <i>Recorder</i> visible again	Double-click on the tray icon. 
To stop recording	Right-click the tray icon  and choose Stop . You will be prompted to enter a name and an optional description for the recording (.rdg) file, and to designate an output folder.

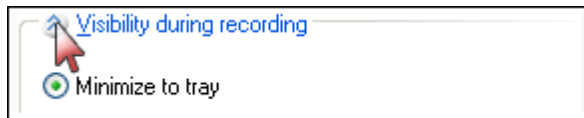
Custom Recording

The main region of *Recorder's* interface is the *Configuration* pane, which contains five categories of configuration settings. *Recorder* bases the content of each recording on the configuration settings you currently have selected in these five categories:

- **Recording file details** – Where you want to store the recording file and what to name it.
- **Capture options** – What you want to record.
- **Visibility during recording options** – How visible you want *Recorder* to be during recording.
- **Start details** – How and when you want the recording to start.
- **Stop details** – How and when you want the recording to stop.

Recorder's configuration settings are customizable. You can change the settings and use them right away for just one recording, or go a step further and save the settings in a *Morae Recorder* configuration (.mrcfg) file that can be used repeatedly.

Note: To view and adjust the settings under any configuration category, simply click on the expand/collapse arrow next to the category name:



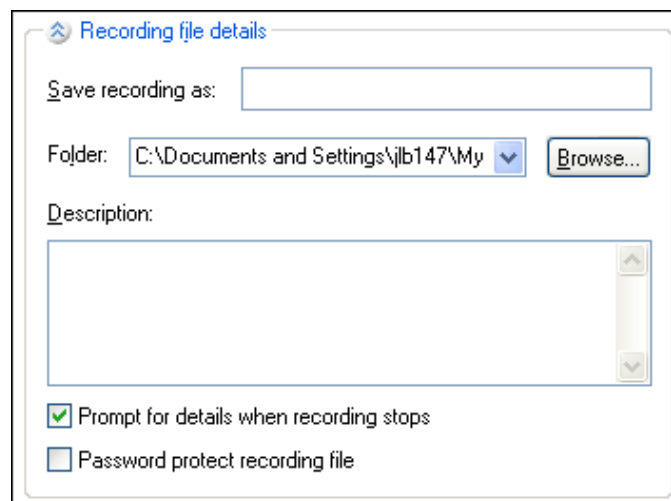
For more detailed information about any of the options available in the *Configuration* pane, see *Configuration Pane Options*.

Creating a Custom Recording Configuration

To create your own customized configuration, choose the desired settings in each of the five areas of the *Configuration* pane. The steps below will lead you through this process.

Step 1: Enter Recording File Details

In this area, you will name the recording file, designate a place to store it, and enter a text description for it, if desired.

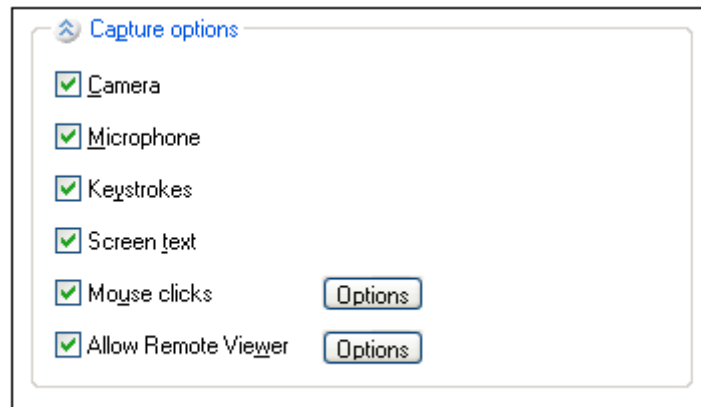


Save recording as	Assign the recording a name in this field.
Folder	Choose a location where the file will be stored. By default, this will be the "My Documents\Morae" folder on the <i>Recorder</i> computer.
Description (optional)	<p>Enter a text description for the recording that is about to begin.</p> <p>Note: If Allow Remote Viewer is enabled in the <i>Capture Options</i> area, the text description entered here will be available for viewing in <i>Remote Viewer's Recording Details</i> box. The description can also be viewed later in <i>Manager's Details</i> pane.</p>
Prompt for details when recording stops	Choose this option if you want to enter the <i>Recording file details</i> after the recording has stopped, instead of prior to recording.
Password protect recording file	<p>This option allows you to choose password protection for the file. In order to open and view the recording later in <i>Manager</i>, the password you have entered here will be required. If you enable this option, <i>Recorder</i> will prompt you to select a password before the recording begins, unless you've also chosen the Prompt for details when recording stops option.</p> <p>Note: Passwords are case sensitive and can include letters, numbers, and symbols in any combination. There is no maximum length for passwords.</p> <p>Warning! Remember your password. Once you've assigned a password, you will not be able to open the recording in <i>Manager</i> without it. TechSmith cannot retrieve your password, or open the recording file, if you forget your password.</p>

Step 2: Select Capture Options

In the *Capture Options* area, you can specify which data streams you want *Recorder* to include in the recording. *Recorder* will record and synchronize the data from all of the sources you have chosen. Screen video and application events (Web page changes and window/dialog events, including when windows/dialogs had focus, were moved or resized) are automatically captured for all recordings.

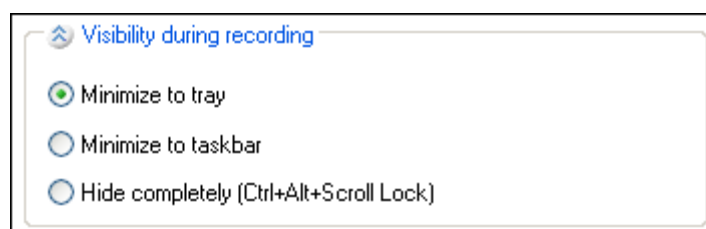
Note: *Morae* only supports the capture of Web page change data from Microsoft Internet Explorer. Web page change data from any other browser will not be captured.




Camera	Choose this option to record video from an attached camera.
Microphone	Choose this option to record audio from an attached microphone.
Keystrokes	Choose this option to record all keystrokes.
Screen text	Choose this option to record text that appears on the screen during the recording. The exception is text that appears inside a graphic, which <i>Recorder</i> may capture as an image.
Mouse clicks	Choose this option to record mouse clicks from all mouse buttons. Click the Options button to access the mouse highlight effects options. Using these options, you can add highlight colors during recording that make cursor movement and mouse clicks easier to see when you view the recording later. For more information, see <i>Mouse Highlight Effects Options</i> .
Allow Remote Viewer	This option must be enabled if you plan to use the <i>Remote Viewer</i> component with <i>Recorder</i> during a recording. Click the Options button to adjust the amount of time <i>Recorder</i> should wait for pending Markers from <i>Remote Viewer</i> (s). For more information, see <i>Remote Viewer Options</i> .

Step 3: Determine Visibility during Recording

In this area, you can determine how visible you want *Recorder* to be during a recording session.



Minimize to tray Choose this option if you want *Recorder* to be visible only as a tray icon  once a recording begins. With this option enabled, you can access a menu of *Recorder* control options (**Start**, **Stop**, **Show Recorder**, and **Exit**) by right-clicking on the tray icon. To make *Recorder* visible again, double-click on the tray icon.


Minimize to taskbar Choose this option to place *Recorder* on the taskbar while recording, as shown below:



Hide completely Choose this option if you want *Recorder* to be completely hidden. To show *Recorder* again, simply use the hotkey combination **Ctrl+Alt+Scroll Lock**.

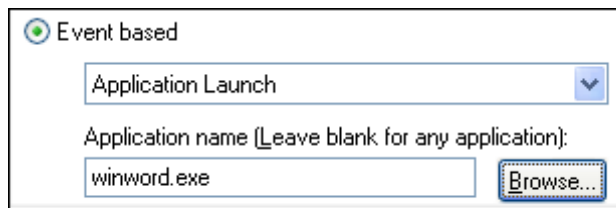
Step 4: Choose Start Details

Using the options in this area, you can choose to either manually start the recording, or tell *Recorder* to start based on a particular event or at a specific time. You can also designate a *Remote Viewer* user to remotely start *Recorder*.

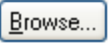
Note: If you choose an **Event based**, **Time based**, or **Remote Control** start option, you will still need to click the **Start** button  to set *Recorder* to wait for the start time or event. You cannot use *Recorder* to create recordings while it is waiting for a start time or event.

To Specify an Event Based Start

1. Choose the **Event based** radio button.
2. Use the dropdown list to choose the type of event that will cause *Recorder* to start: **Mouse Click**, **Application Launch**, or **Application Exit**.




3. If you choose either the **Application Launch** or **Application Exit** option, you can specify which application by filling in the **Application name** field. If you leave the field blank, then *Recorder* will start when *any* application is launched or closed.

Note: To specify an application name for an **Event based** start, you must use the exact executable (.exe) name in the **Application name** field. If you do not know the executable name, click the **Browse** button  to locate it.

To Specify a Time Based Start

You can set *Recorder* to start at a particular time and, optionally, on a particular date. A **Time based** start can be set up to 49 days in advance. If you choose a **Time based** start, *Recorder* must be running on the source computer at the time the recording is set to begin.

Note: A **Time based** start will only occur for one instance of recording. Once that recording is complete,

you must click the **Start** button  again to set *Recorder* to wait for the next **Time based** start. For this reason, the **Time based** start option cannot be used to automate repeated recordings.

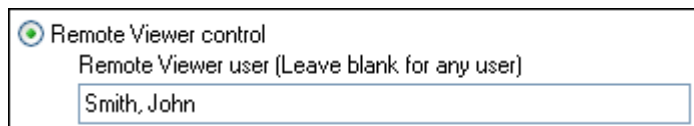
1. Choose the **Time based** radio button.
2. Fill in the date and time fields for the start time. If you leave the box next to the date field unselected, then the recording will start at the specified time today. If this time has already passed for today, the recording will start at the specified time tomorrow.



To Set Up a Remote Start of Recorder



Using the **Remote Viewer control** option in the *Start details* area, you can designate a *Remote Viewer* user to start a recording session remotely.

1. Choose the **Remote Viewer control** radio button.
2. Enter the name of the **Remote Viewer user** who will be starting the recording:



Important: The name you enter here must exactly match the *Remote Viewer* user name entered in the *Connect to Recorder* dialog box on the *Remote Viewer* computer.

Note: If you leave this field blank, any *Remote Viewer* user will be able to start the recording.

3. After you have set up the remote control option, you must click the **Start** button  to set *Recorder* to wait for the remote commands from *Remote Viewer*.
4. The user designated to have remote control of *Recorder* can now start the recording by clicking the **Start recording** button  on *Remote Viewer's* toolbar.

Step 5: Choose Stop Details

In this area, you can choose to either manually stop the recording, or tell *Recorder* to stop based on a particular event, at a specific time, or when the recording has reached a certain length. You can also designate a *Remote Viewer* user to remotely stop the recording.

Note: *Recorder* can always be stopped manually, regardless of the stop option you have chosen.

To Specify an Event Based Stop

1. Choose the **Event based** radio button.
2. Use the dropdown list to choose the type of event that will cause *Recorder* to stop: **Application Launch** or **Application Exit**.
3. If you choose either the **Application Launch** or **Application Exit** option, you can specify which application by filling in the **Application name** field. If you leave the field blank, then *Recorder* will stop when *any* application is launched or closed.


Event based

Application Exit

Application name (Leave blank for any application):

winword.exe

Browse...

Note: If you want to specify an application name for an **Event based** stop, you must use the exact executable name in the **Application name** field. If you do not know the executable name, click the **Browse** button  to locate it.

To Specify a Time Based Stop

You can set *Recorder* to stop at a particular time and date for one recording using the **Time based** stop option. A **Time based** stop can be set up to 49 days in advance.

1. Choose the **Time based** radio button.
2. Fill in the date and time fields. If you leave the box next to the date field unselected, then the recording will stop at the specified time today. If the time you enter has already passed for today, the recording will stop tomorrow at this time.

Time based (Leave unchecked for any date)

11:48:38 AM

☒ 12/30/2003

Example: You have set up an **Event based** start, such as an application launch, with a **Time based** stop at 11:00 AM. If you click the **Start** button at 10:30 AM, but the start event doesn't occur until 11:01 AM today, then *Recorder* will not stop until tomorrow at 11:00 AM.

To Specify a Duration Based Stop

If you want to specify an amount of time that the recording should run before stopping automatically, choose the **Duration based** option and select a **Time to run** from the dropdown list. The recording will stop after that amount of time has passed.

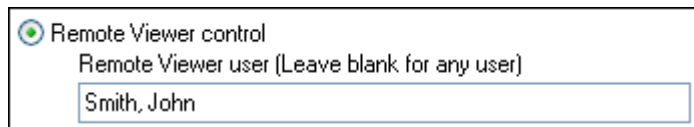
A screenshot of a software dialog box titled 'Duration based'. It features a radio button icon on the left. Below the title, there is a label 'Time to run (hours):' followed by a dropdown menu. The dropdown menu is open, showing the value '2.0' and a downward-pointing arrow.


Note: Although the **Time to run** dropdown list only shows durations up to 2.0 hours, you can type in a duration of up to 1176 hours (49 days).

To Set Up a Remote Stop of Recorder

Using the *Remote Viewer* control option in the *Stop details* area, you can designate a *Remote Viewer* user to stop a recording session remotely.

1. Choose the **Remote Viewer control** radio button.
2. Enter the name of the *Remote Viewer* user who will be stopping the recording:
Note: If you leave this field blank, any *Remote Viewer* user will be able to stop the recording.


A screenshot of a software dialog box titled 'Remote Viewer control'. It features a radio button icon on the left. Below the title, there is a label 'Remote Viewer user (Leave blank for any user)' followed by a text input field. The text input field contains the text 'Smith, John'.

3. The user designated to have remote control of *Recorder* can now stop the recording by clicking the **Stop recording** button  on *Remote Viewer's* toolbar.

Step 6: Use or Save Your Custom Configuration

Once you have customized the configuration settings in each category, you have several options for using and saving the custom configuration:


To use your settings immediately

Choose the **Start** button  on the toolbar, or choose **Record > Start**.

Note: If you've chosen a delayed start (**Time** or **Event based**, or remote control from *Remote Viewer*) option, clicking the **Start** button will set *Recorder* to wait for that start time or event.


To test your settings before recording

Run a 10-second test recording by choosing the **Test Recording** button

 in the *Camera Preview* pane, or choose **Record > Test Recording**. For more information, see *Running a Test Recording*.

Note: Start and stop options are not confirmed in a Test Recording.

To save your settings as a configuration file

Click the **Save Configuration** button , or choose **File > Save Configuration**. Select a meaningful name and location for your configuration file, so it will be easy to relocate.

Note: *Recorder* configuration files have the extension `.mrcfg`.

To open and edit your configuration file

Choose the **Open Configuration** button , or choose **File > Open Configuration**, and select the configuration (`.mrcfg`) file you wish to open. The settings will be loaded into *Recorder*.

Running a Test Recording


Recorder has a **Test Recording** option that allows you to record and playback a 10-second test prior to beginning an actual recording session. The test recording includes all of the data streams for the *Capture options* you've chosen in the *Configuration* pane. *Recorder* will notify you of any problems with the current configuration so that you can correct them prior to beginning an actual recording session.


When the 10-second test recording is complete, the screen video, camera video Picture in Picture (PIP) and audio streams will immediately play back. The test playback will confirm whether *Recorder* is accurately capturing camera video, screen video, and audio. This test also silently checks the other configuration settings you've chosen.

Note: A Test Recording does not confirm your start and stop option settings.

If you are satisfied with the test recording and haven't received any error messages, you can proceed to record using those settings.

To Run a Test Recording

1. Open the configuration (.mrcfg) file that you plan to use for the recording, or manually configure the settings as desired.
2. Click the **Test Recording** button  in the *Camera Preview* pane.

Note: If the *Camera Preview* pane is not visible, click the **Camera Preview** button  on the toolbar.

3. A dialog box will appear, asking if you want to continue with the test recording. Choose **Yes** to continue.
4. The test recording will begin immediately and will proceed for 10 seconds. The message in the *Camera Preview* window will read "Recording in progress" and the status bar will confirm that a recording is being made.
5. During the test recording, be sure to create some sound and desktop activity for *Recorder* to capture (i.e., speak into the microphone and actively interact with the source computer).
6. At the end of the 10 seconds, the test video will play back and will include the screen video, camera video PIP, and audio from the temporary 10-second test file.

When the playback is complete, the window will close automatically. The test recording will not be saved for later viewing.

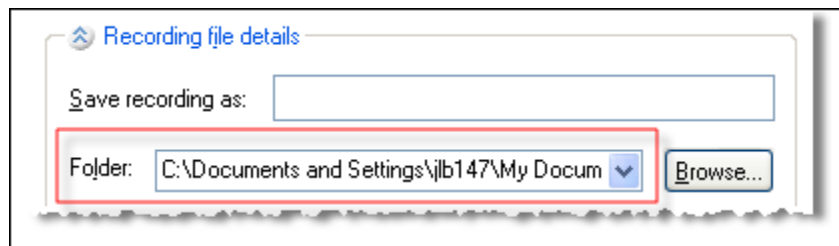
Managing Recording Files

Recording files are saved to a default output folder location. Depending on the storage medium you've chosen or your network configuration, you may have to take additional steps to ensure that *Manager* can access the recording files when you are ready to import them.

This section will give you information about recording file output and suggest some methods for saving and moving your recording files.

About Recording File Output

Once a recording is complete, *Recorder* creates one recording (.rdg) file. The file for the current recording is stored in the **Folder** that you specified in the *Recording file details* area of the *Configuration* pane, as shown in the following graphic:



If you did not specify a folder in the configuration, recording files will be saved in a default output folder on the *Recorder* source computer. To view or change the default output folder location, choose **Record > Settings > Preferences** tab. The default output folder is listed in the *Folder Options* group box.

File “Rollover” for Extended Recordings

The maximum size for a recording (.rdg) file is approximately 600 MB. This ensures that no recording file will be too large to transport on CD-ROM. However, if a recording is particularly long, or is less compressed (depending on your codec selections), it may exceed the 600 MB file size. If this happens, *Recorder* will create subsequent “rollover” files so that the recording can continue to be stored in 600 MB parcels. The first rollover file will have the extension “.r02”, and subsequent files will be numbered in sequence.

When you have finished recording, you will need to move the .rdg file and all of its companion rollover files and place them together in a folder that *Manager* can access. Then, when you import the .rdg file into a project, *Manager* will automatically collect all of the associated rollover files.

Note: If you do not move **all** of the rollover files to a common folder with the .rdg file, *Manager* will not be able to import the recording.

Options for Saving and Moving Recording Files

Morae recording files are generally quite large, especially if you record for long periods of time. As a result, these files may not fit on smaller removable storage disks (such as floppy or zip disks), and they may bog down slow network connections. Also, if you record frequently, you may find that the recording files quickly begin to consume hard drive space.

If *Manager* and *Recorder* are not being used on the same computer, we recommend using one of the following methods for recording file storage and transfer:

Saving to a shared network directory	If the <i>Recorder</i> source computer is connected to a network that the <i>Manager</i> computer also has access to, or if the two components are installed on the same computer, simply save the recording files to a folder in a directory that is shared by the components. Using <i>Manager</i> , you can then browse to that location and import the recordings.
Saving to the hard drive and then burning to CD/DVD	During recording, you can save the files temporarily to the <i>Recorder</i> source computer's hard drive. Later, these files can be burned to a CD or DVD and then easily moved to the <i>Manager</i> computer.
Saving directly to a thumb drive or portable external drive	If you connect a thumb drive or portable external drive to the <i>Recorder</i> source computer, you can record directly onto that drive. Most of these drives offer generous storage space at a reasonable price. When your recordings are completed, simply disconnect the drive and reconnect it to the <i>Manager</i> computer. The recording files can be imported directly into <i>Manager</i> from the portable drive.

Getting Started with Remote Viewer

When connected to *Recorder* over a local or wide area network (LAN or WAN), *Remote Viewer* provides observation and logging of the session currently being recorded:

- **Observation.** *Remote Viewer* allows you to observe the screen activity on the *Recorder* source computer. And, beginning with version 1.1., you can also hear audio and view camera video in a PIP window. Multiple *Remote Viewer* components can be connected to a single *Recorder*, allowing several people to observe the session simultaneously. Someone at a *Remote Viewer* station can optionally also remotely start and/or stop *Recorder*.
- **Logging.** *Remote Viewer* is a valuable logging tool — it lets you set meaningful Markers during the recording that can later be searched for and viewed in *Manager*. For each Marker, you can immediately assign a Marker Type and enter a Marker name and text note. If there are multiple *Remote Viewers* connected, the observer at each *Remote Viewer* station can enter Markers that are saved in the recording under a unique user name.

Optionally, *Remote Viewer* can save the screen video, camera video, and audio streams into an immediately viewable video (WMV) file when a recording session is complete.

This chapter will familiarize you with *Remote Viewer*'s interface, and explain the following processes:

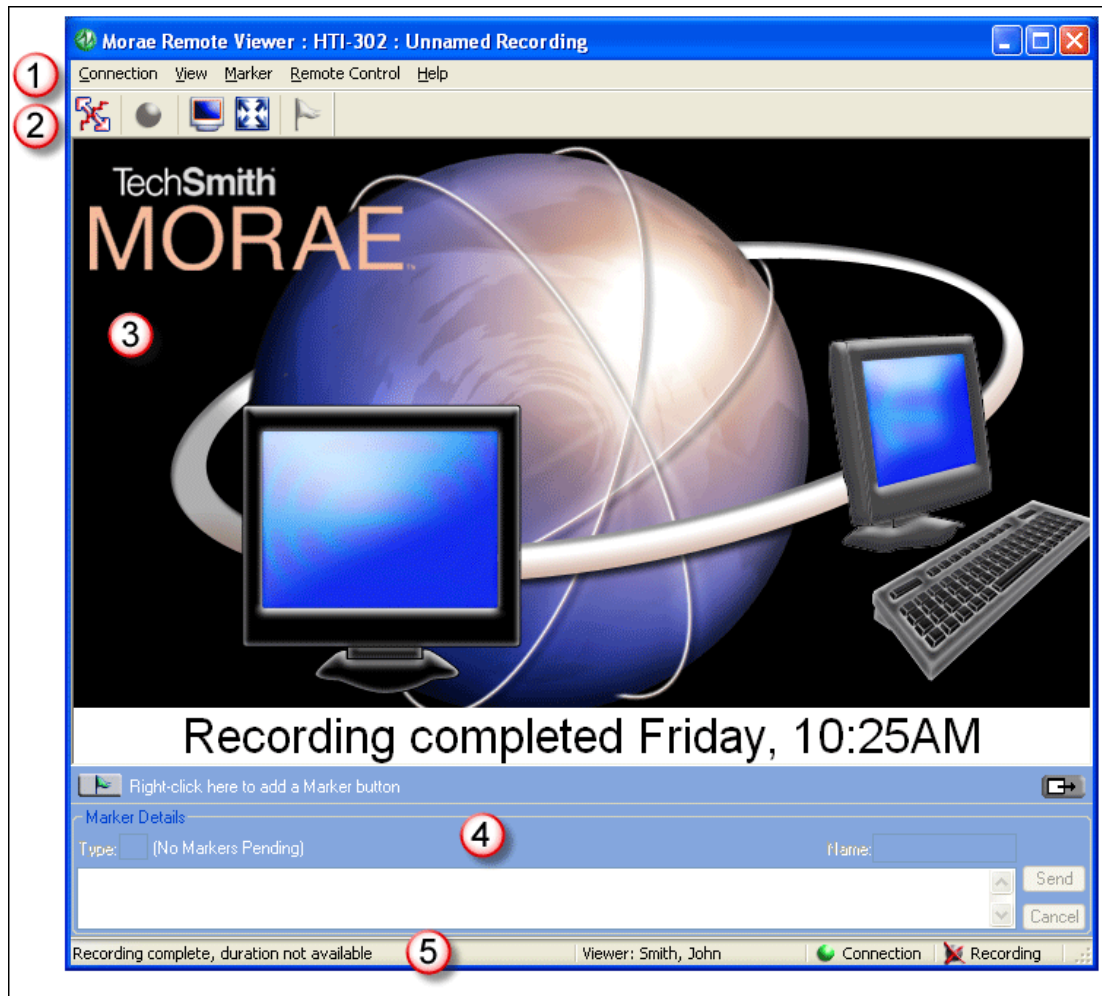
- Establishing a Connection to *Recorder*
- Observing a Recording in *Remote Viewer*
- Creating Markers in *Remote Viewer*

For *Remote Viewer* system requirements and installation instructions, see *System Requirements and Installation Instructions*.

Note: *Remote Viewer* can be installed on the same computer as *Manager*, if desired.

Getting Familiar with Remote Viewer's Interface

The following figure offers a brief illustration of the regions of *Remote Viewer's* interface.



- 1 **Menu Bar.** The menu bar gives you access to all of *Remote Viewer's* options. For more information, see *Remote Viewer Menus*.
- 2 **Toolbar.** The toolbar allows you to quickly access several commonly used menu options. For more information, see *Remote Viewer Toolbar Options*.
- 3 **Viewing Window.** This area displays the desktop activity on the *Recorder* computer. The *Viewing Window* includes a Picture in Picture (PIP) window that displays the camera video. The PIP window can be moved, resized, and hidden. For more information, see *Camera Video Picture in Picture*.
- 4 **Marker Notes Pane.** This pane allows you to create, name, and add optional text notes to Markers and send them during recording. For more information, see *Remote Viewer Marker Notes Pane*.
- 5 **Status Bar.** The messages and icons in this area confirm the status of the connection to *Recorder* and of the current recording. For more information, see *Remote Viewer Status Bar*.

Establishing a Connection to Recorder

Remote Viewer allows you to view the desktop activity on the *Recorder* computer, as well as hear user audio and see camera video Picture in Picture (PIP). These data streams can be recorded by *Remote Viewer* for immediate playback when the session is complete.

One or more *Remote Viewer* computers can connect to the *Recorder* source computer over any high-speed (10–100 Mbps) local area or wide area network (LAN or WAN). This section will offer instruction on connecting to and disconnecting from *Recorder*, as well as some basic troubleshooting tips that might help if you have difficulty making a connection.

Note: *Morae* includes one licensed copy of *Remote Viewer*. If you want to connect multiple *Remote Viewer* computers to *Recorder* simultaneously, additional licenses for *Remote Viewer* are available from TechSmith.

Important Information about Compatibility between Versions

The *Recorder* and *Remote Viewer* components must be the same version to successfully connect. For example, version 1.1 of *Recorder* will only accept a connection from version 1.1 of *Remote Viewer*. When incompatible versions of these components attempt to make a connection, an error dialog will appear stating either that the versions are incompatible or simply that the connection to *Recorder* has been closed. If you receive an error, be certain that you have installed identical versions of these components before attempting another connection.

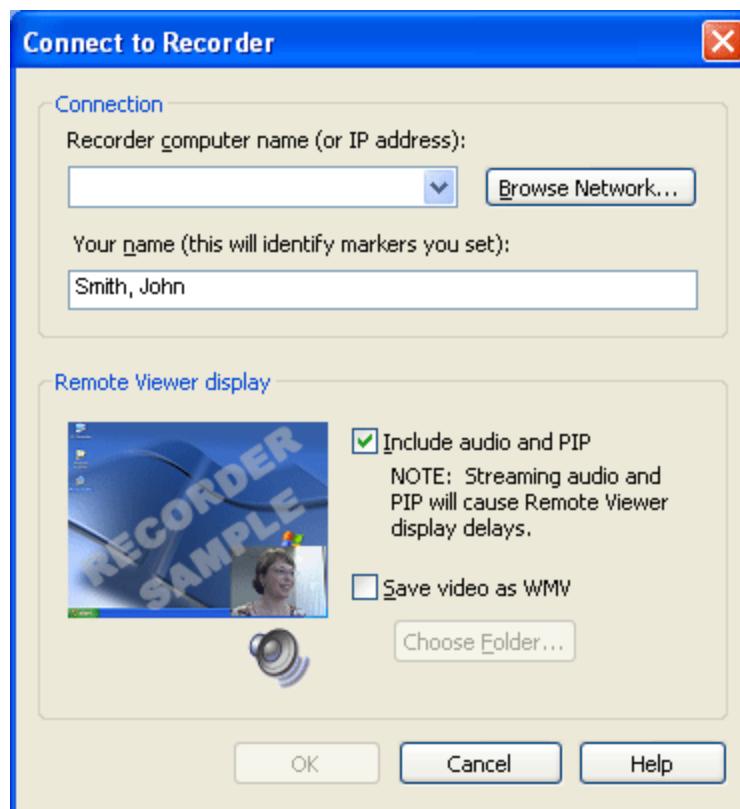
Connecting Remote Viewer(s) to Recorder

Note: For a connection to occur, *Recorder* must be running on the source computer. Also, you must have enabled the **Allow Remote Viewer** option in the *Capture Options* area of your *Recorder* configuration. If this option is disabled, you may be able to connect, but you will not be able to view the video streams.

From within *Remote Viewer*, choose **Connection > Connect**. Or, choose the **Connect to Recorder** button



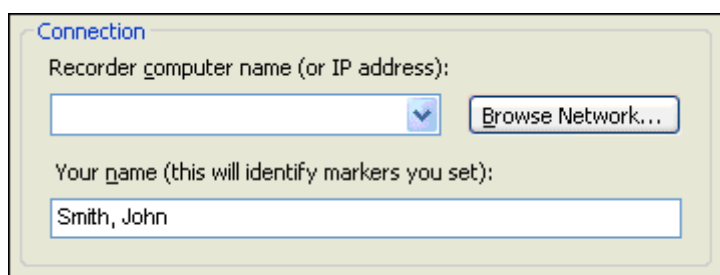
from the toolbar. The *Connect to Recorder* dialog box appears:



Step 1: Select the Recorder computer name

Choose the name of the computer on which the *Recorder* is running. To locate the desired computer, do one of the following:

- Type the computer name in the **Recorder computer Name (or IP address)** list box provided.



- Select the computer name (or IP address) from the recently used options available in the dropdown list.
- Choose the **Browse Network** button and locate the desired computer on the network.

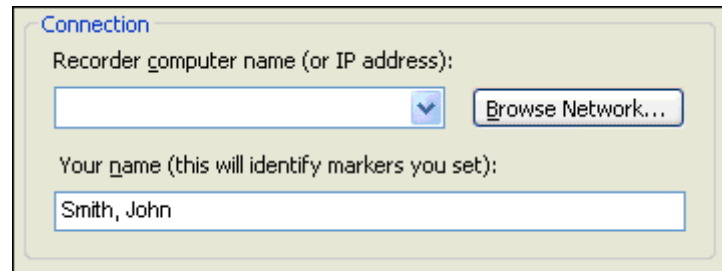
To find the Recorder computer name

1. Go to the *Recorder* source computer and right-click on the **My Computer** icon.
2. Choose **Properties** from the context menu that appears. The *System Properties* dialog box will display.
3. In Windows XP, choose the *Computer Name* tab and look in the **Full computer name** field. (If you are running Windows 2000, choose the *Network Identification* tab to find the same information.)

Note: Depending on the network setup, you may need to use the computer's domain name or IP address. For more information, see *Choosing a Recorder Computer Name when Connecting over a Network*.

Step 2: Enter the name of the Remote Viewer user

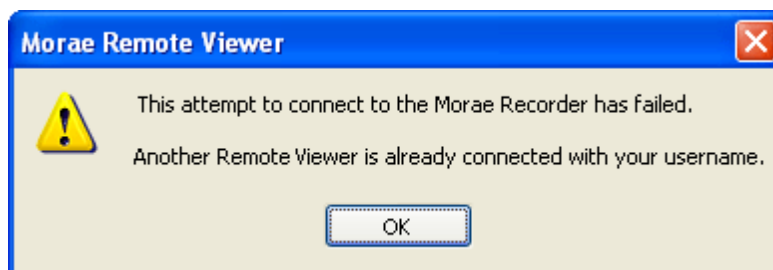
Next, type in the name of the person who will be using this *Remote Viewer* computer in the **Your name** field:



The name entered in this field will be associated with all Markers created at this *Remote Viewer* computer (until *Remote Viewer* is disconnected and another name is entered here).

Note: If the person at this *Remote Viewer* computer will be controlling *Recorder*, then the name you enter here must match the one designated for remote start in the *Recorder* configuration.

Note: *Recorder* will not allow the simultaneous connection of two *Remote Viewers* with the same user name. If two users try to connect using the same name, the following dialog will appear:



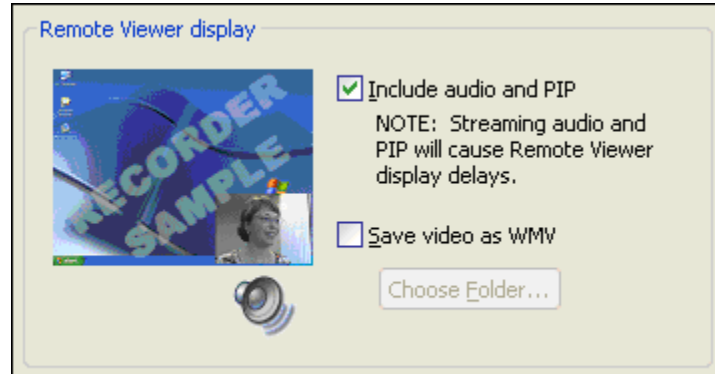
Step 3: Select the content you want displayed

With Morae version 1.1.1, you have two options for viewing the content being sent from *Recorder* to *Remote Viewer*. Screen video is displayed with either option:

- If you wish to see and hear the user's camera video and audio, along with the screen video, select **Include audio and PIP**.

Important: Due to the streaming technology used to send the audio and camera video data streams from *Recorder* to *Remote Viewer*, you will experience a noticeable delay between the time the information is sent from *Recorder* and the time it is received by *Remote Viewer*.

- To view just the screen video, without the audio or camera video, deselect the **Include audio and PIP** option. Selecting this option results in a real-time (undelayed) display of the screen content.



Step 4: Decide whether to save the content

1. Check the **Save video as WMV** option if you want the audio, screen video, and camera video streams coming into *Remote Viewer* saved as a WMV file that will be immediately viewable after the session is complete.

Note: If you have *deselected* the **Include audio and PIP** option, only the screen video will be saved in the WMV file.

2. Click **Choose Folder** to browse for and select the folder in which the WMV file should be saved.

Note: By default, your *Remote Viewer* videos will be saved in the **C:\...\My Documents\My Videos** folder on the *Remote Viewer* computer.

Step 5: Initiate a Connection

Choose **OK**. A connection attempt will be made. If the connection is successful, the status bar will read, "Connected to *Recorder*" and the *Connection Status* icon will be green. The name of the *Remote Viewer* user will also appear in the status bar.

Problems Connecting to Recorder

If you cannot establish a connection between *Remote Viewer* and *Recorder*, be sure to check that the following conditions are true:


- *Recorder* is installed and launched on the source computer.
- The **Recorder computer name** (or IP address) that you have entered in the *Connect to Recorder* dialog box is correct. If the computer name alone does not work, you may need to use the domain name or IP address. For additional help with this, see *Choosing a Recorder Computer Name when Connecting over a Network*.
- No two *Remote Viewer* users are trying to connect with the same user name.
- The *Recorder* and *Remote Viewer* computers are connected to the same LAN or WAN network. If you suspect that there is a problem with the network, contact your system administrator.
- The *Remote Viewer* and *Recorder* components you are using have the same version number.
- There is no firewall on the network. Ask your system administrator whether there is a firewall that might be blocking the connection. The communication protocol used by *Morae* is TCP/IP with a listening port established on port #5555. The system administrator may have to intentionally allow traffic through this port in order for the *Remote Viewer* component to connect to *Recorder*.

Note: Windows XP Service Pack 2 includes its own firewall. The first time you run *Recorder*, you need to select **Unblock** in the dialog that appears:

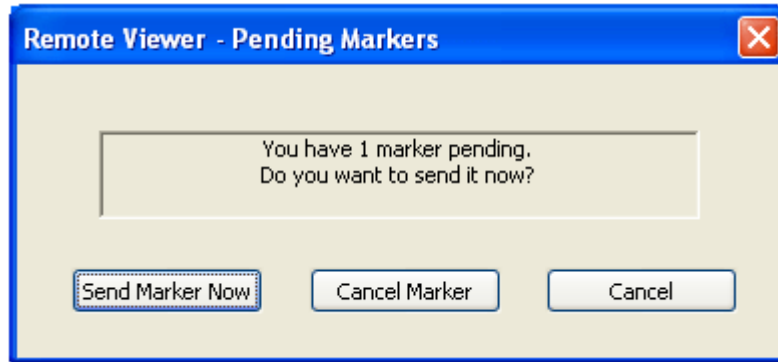


Disconnecting Remote Viewer from Recorder

Use the following procedure to disconnect *Remote Viewer* from *Recorder*:

1. From the menu bar, choose **Connection > Disconnect**, or click on the **Disconnect from Recorder** toolbar button .
2. If no unfinished Markers are waiting to be sent (pending), a dialog box will appear asking if you want to disconnect from *Recorder*. To disconnect, choose **Yes**.

3. If there is a pending Marker waiting to be sent, the following dialog box will appear:



4. Choose from one of the three available options:
- To send the pending Marker immediately, choose **Send Marker Now**.
 - To discard the pending Marker, choose **Cancel Marker**.
 - To return to the viewing session without disconnecting, choose **Cancel**.

If you chose the **Save Remote Viewer video as WMV** option before the recording began, then you will also now see a dialog telling you where the video has been saved and giving you the option to save it, delete it, or view it immediately.

Observing a Recording in Remote Viewer

Remote Viewer allows you to view screen and camera video Picture in Picture (PIP) streaming from the *Recorder* source computer and hear the user through streaming audio. Optionally, these three data streams from a remote viewing session can be saved by *Remote Viewer* into a video file in WMV format that you can view immediately after the recording is complete.

Once *Remote Viewer* is connected to *Recorder*, there are some options that let you to change the way you view the recording session, including the **Normal** and **Full Screen** views and the **Scale to Fit** option. Additionally, the camera video Picture in Picture (PIP) can be viewed or hidden, moved and resized according to your preferences.

This section contains the following topics related to remote observation with *Remote Viewer*:

- Normal and Full Screen Views
- Scale to Fit Option
- Camera Video Picture in Picture

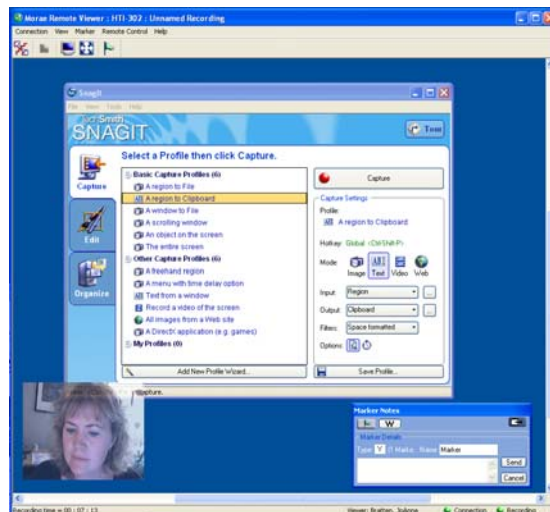
Normal and Full Screen Views

Remote Viewer allows you to view the content being sent by *Recorder* in two different ways: **Normal** view (the default view) and **Full Screen** view.

Note: If the entire screen from the *Recorder* source computer does not fit within the *Viewing Window*, you may want to use the **Scale To Fit** option. This option is available in both views. For more information about this option, see *Scale to Fit Option*.

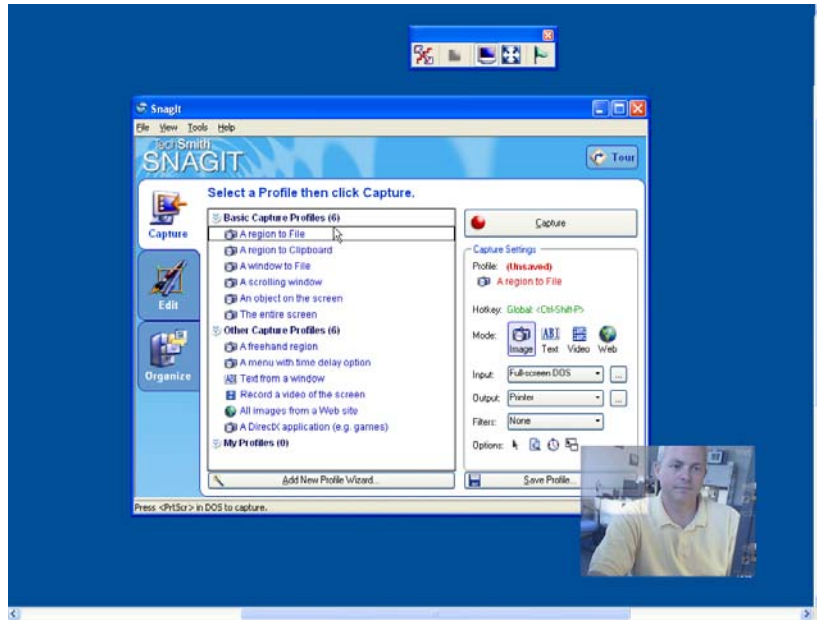
Normal View

The **Normal** view is the default *Remote Viewer* setting. This view shows the activity from *Recorder*'s source computer within a regular window. *Remote Viewer*'s toolbar, status bar, menu bar and PIP window are visible by default. The *Marker Notes* pane may also be visible depending on your *View* menu selections.




Full Screen View


The **Full Screen** view fills the *Remote Viewer* computer's entire screen with the *Recorder* computer's desktop activity, and there is a floating toolbar.



To toggle the *Full Screen* view on, do one of the following:

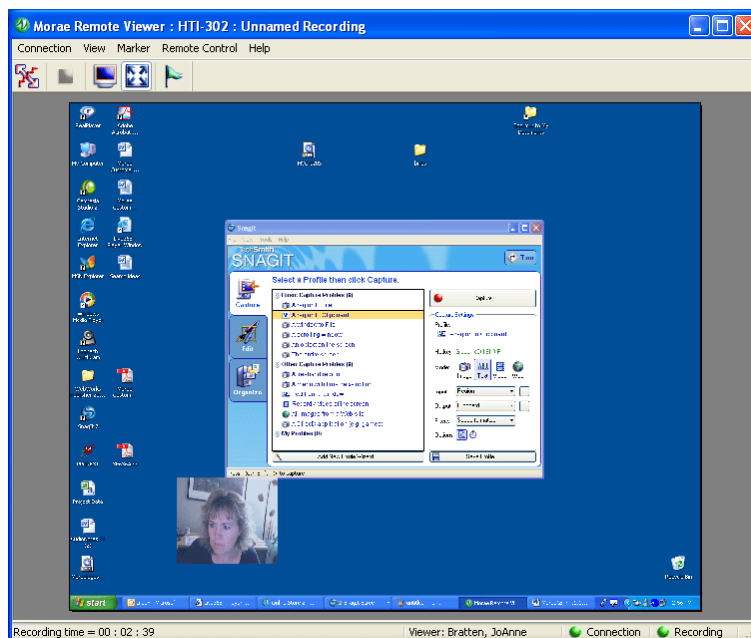
- Choose the **Full Screen** button  on the toolbar.
- Use the **Alt + Enter** hotkey combination.
- Choose **View > Full Screen** from the menu bar.
- Right-click to see a context menu that contains all of the same options that are on *Remote Viewer*'s menu bar. Choose **View > Full Screen** from the context menu.

To exit the *Full Screen* view, do one of the following:


- Choose the **Full Screen** button  from the floating toolbar.
- Use the **Alt + Enter** hotkey combination.
- Right-click to see a context menu, and choose **View > Full Screen** from the menu.

Scale to Fit Option

If the screen resolution setting of the *Recorder*'s source computer is higher than the resolution of the computer running *Remote Viewer*, then choosing the **Scale to Fit** option will fit *Recorder*'s entire desktop image into the *Remote Viewer*'s window. This option is available in either Normal or Full Screen view.



To toggle the **Scale To Fit** option on or off, do one of the following:

- Select the **Toggle Scale to Fit** button .
- Choose **View > Scale to Fit** from the menu bar.
- Right-click to see a context menu, and choose **View > Scale to Fit** from the menu.

Camera Video Picture in Picture

The camera video Picture in Picture (PIP) window appears by default in the lower right-hand corner of the *Viewing Window*. It is best viewed with the **Scale to Fit** option turned on.

- **To move the PIP window**, simply click and drag it to the desired location.
- **To resize the PIP window**, point at a corner with your cursor and grab the handles that appear. Drag the corner out or in to make the window larger or smaller.
- **To hide the PIP window**, choose **View > Picture in Picture (PIP)** from the menu bar. To view the PIP again, repeat this action.

Creating Markers in Remote Viewer

Markers are ideal for quickly logging important points in a recording. Any observer using a *Remote Viewer* computer can create Markers with optional text notes during a recording. These Markers are sent directly to *Recorder* and saved with the recording. The synchronized video, audio, and text note for each Marker can then be viewed and searched later when you import the recording into *Manager*.

This section will explain Markers in detail, and offer instruction on creating Markers in *Remote Viewer* with or without text notes.

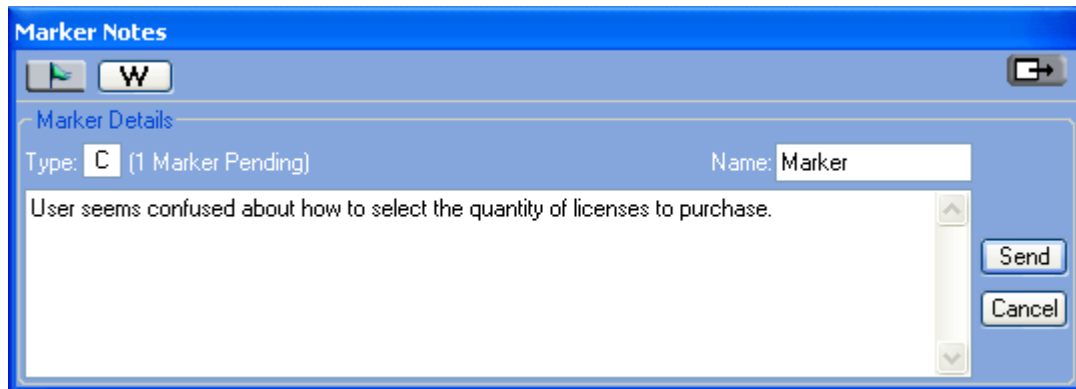
About Marker Types

When you create a Marker, you can assign a meaningful letter, or **Marker Type**, to that point in the recording. If you create the Marker using the keyboard (**CTRL + the letter**), the Marker menu option, or the toolbar button, the letter you select is automatically assigned as that Marker's Type. The Marker Type can be changed by highlighting the Type field in the *Marker Notes* pane and entering a new letter for any pending Marker. You can set an unlimited number of Markers, and the same Marker Type can be used repeatedly, if desired.

Using the Marker Notes Pane


The *Marker Notes* pane contains options that allow you to change the Marker Type, to enter a name and add an optional text note before sending the Marker. Once you click the **Send** button, the *Notes* pane will hide again until your next Marker is initiated. By default, the *Marker Notes* pane is hidden from view.

Any time you initiate a Marker in *Remote Viewer*, the *Marker Notes* pane will appear as a floating window, as shown here:



For more detailed information about the options in the *Marker Notes* pane, see *Remote Viewer Marker Notes Pane*.

Docking the Marker Notes Pane

The *Marker Notes* pane is a floating window by default. The *Notes* pane can be docked at the bottom of the *Viewing Window*. To dock the pane, simply click the **Dock/Undock** button , or drag and drop the *Notes* pane at the bottom of the *Viewing Window*.

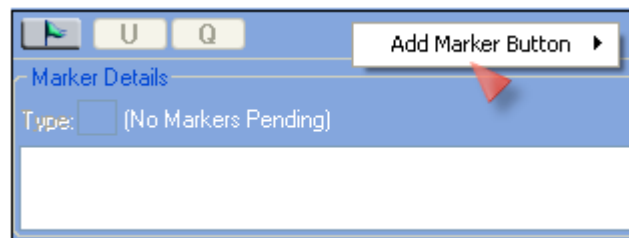
Viewing and Hiding the Notes Pane

By default, the *Marker Notes* pane is hidden. It will appear each time you initiate a Marker and hide again when you send the Marker. To toggle between the hidden and visible states of the *Marker Notes* pane, choose **View > Marker Notes**. Once this option is enabled, the *Marker Notes* pane will remain visible at all times.

Adding Marker Type Buttons to the Marker Notes Pane

For your frequently used Marker Types, you can easily add a Marker Type button to the *Marker Notes* pane. Create a custom toolbar of Marker Type buttons, and use them to assign your most common Marker Types with one click.

To add a Marker Type button, right-click on the toolbar area of the pane, and choose a letter for the button from the *Add Button* flyout menu that appears. Alternatively, you can choose **Marker > Add Marker Button** from the menu bar.




A button will be created on the toolbar. The next time you want to create a Marker with that Type, just click the toolbar button, add an optional text note, and click **Send**.

To remove a Marker Type button, right-click on the button and choose **Remove Button**.

How to Create a Marker

Step 1: Initiate the Marker and Choose a Type

When you see a point in the activity that you wish to mark, do any of the following to initiate a Marker:

- Choose **Marker > Create Marker** from the menu bar and choose the desired Type letter from the flyout menu.
- Choose the **Create a Marker** button  from the toolbar or the *Marker Notes* pane and select the desired Type letter from the dropdown list.
- Right-click in the *Viewing Window* to see a context menu, choose **Create Marker** and then select the desired Type letter from the dropdown list.
- Choose **CTRL+ any letter** on the keyboard to assign that letter as the Type.

Note: If you want to create Markers without a Type assigned, choose the **None** option from the list of Type letters. You can also create a Marker with the Type “none” using the **CTRL + Spacebar** hotkey combination.

Step 2: Add a Name and Text Note

If it is not already visible, the *Marker Notes* pane will appear, allowing you to name the Marker, add an optional text note, and change the Marker Type if you need to.

Step 3: Send the Marker

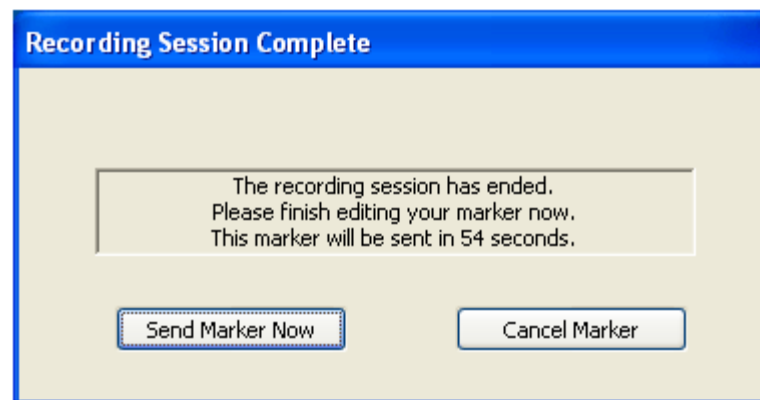
When you are satisfied with the Marker Type, name, and text note, click the **Send** button or press the **Enter** key. The Marker is automatically sent to *Recorder* and stored with the recording. The Marker will be set at the exact time in the recording that it was initiated, even if the Marker is not sent to *Recorder* until much later. After the Marker is sent, a confirmation message will appear in the status bar.

Note: To cancel a Marker, click the **Cancel** button or press the **Esc** key on your keyboard.

Note: You cannot create a new Marker while one is still pending. You must **Send** or **Cancel** the current Marker before initiating the next one.

When the Recording Session Ends

If *Recorder* is stopped and you still have a Marker waiting to be sent (pending), a dialog will appear to notify you that you have a certain amount of time to complete or cancel the Marker. The length of time you have to deal with the pending Marker is determined by, and can be changed within, the *Recorder* configuration for any given recording. A similar dialog will appear if you attempt to disconnect *Remote Viewer* while a recording is in progress and there is a Marker pending.



When the countdown begins, you have three courses of action to choose from. You can:

1. Complete the Marker — Return to the *Notes* pane to continue editing, and then send your Marker.
2. Click **Send Marker Now** — Send the pending Marker immediately, and bypass the remaining time.
3. Click **Cancel Marker** — Cancel your Marker immediately. If you do this, the pending Marker will be discarded.

When the allotted time has elapsed, the Marker will be sent in its current state, completed or not.

A Note about Marker Definitions

Manager has a **Marker Definitions** option that allows you to create a consistent definition for any Marker Type. Although you cannot view the Marker definitions in *Remote Viewer*, it might be helpful to create definitions for your Markers in advance and enter them into the *Manager Marker Definitions* dialog box. That way, when you import a recording into *Manager*, the definitions will automatically be assigned to the *Remote Viewer* Markers that have those Types. To access this dialog box, from within *Manager* choose **Marker > Define Marker Types**. Definitions can only be added or edited within the *Marker Definitions* dialog box.

For more information, see *Defining Marker Types*.

Getting Started with Manager

Morae Manager automatically indexes the screen video, camera video, and audio recordings collected by *Recorder*, allowing you to easily search through recordings for certain user activities — such as the execution of a certain keystroke, the navigation from one Web page to another, or the viewing of specific text.

Manager's functionality is divided between two tabs: the *Analyzer* tab and the *Presenter* tab. The tools on the *Analyzer* tab allow you to search for events and text, create Segments, view and add Markers, and navigate through your recordings in a variety of ways. The options on the *Presenter* tab assist you in creating a highlight video to share with others who are interested in the results of your analysis.

This chapter will orient you to the appearance and functionality of both of *Manager*'s tabs, and lead you through the processes involved in using the options on each tab.

Key Concepts

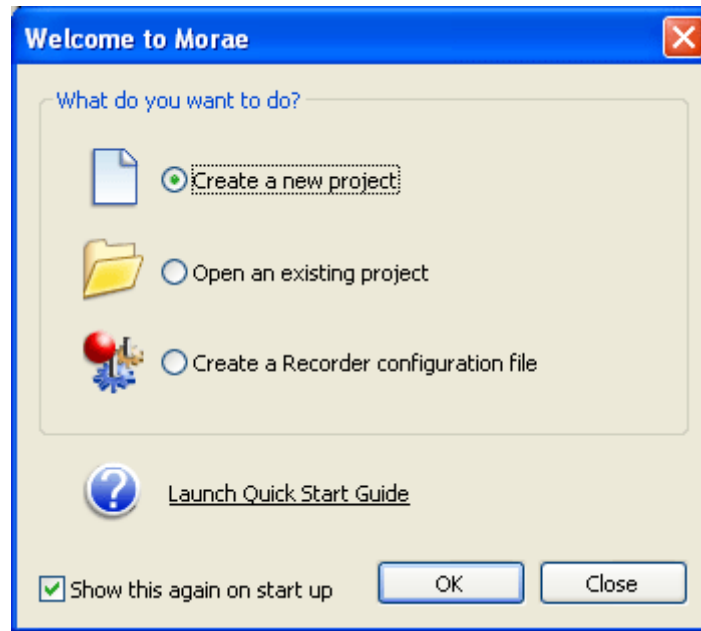
It is helpful to understand the following key concepts prior to using *Manager*:

Marker	A Marker allows you to flag and annotate a <i>specific point</i> in the recording at which something notable occurred. Each Marker has only a start time (In Point). Markers can only be created in <i>Remote Viewer</i> or <i>Manager's Analyzer</i> tab. They can be edited in the <i>Analyzer</i> tab, and they can be viewed in both tabs.
Segment	A Segment allows you to isolate a <i>section of a recording</i> during which an important activity occurred. For each Segment, you specify both a starting point (In Point) and an ending point (Out Point). Segments can only be created and edited in the <i>Analyzer</i> tab. They can be viewed in both tabs.
Video Clip	<p>A Video Clip is similar to a Segment, in that it isolates a smaller section of the recording that you want to include in your highlight video, and it has a starting point (In Point) and an ending point (Out Point) that you designate.</p> <p>However, Video Clips are used in your highlight video, whereas Segments are not. You can create a Video Clip directly from a Segment by dragging the Segment into the <i>Clip Bin</i>. Video Clips can only be created, viewed, and edited in the <i>Presenter</i> tab.</p>

For more detailed information about all of *Manager*'s options, see *Manager Reference*.

Manager's Welcome Wizard

To help you get started, *Manager* opens by default with the following wizard:



You can use this wizard each time you open *Manager*. There are three options offered in the wizard:

Create a new project	This option opens the <i>Create New Project</i> wizard, which leads you through the process of creating a project and importing recordings.
Open an existing project	This option allows you to browse for and open an existing <i>Morae</i> project (.mpr) file.
Create a Recorder configuration file	This option opens the <i>Recorder Configuration</i> dialog box, which allows you to create or edit a configuration file for <i>Recorder</i> .

Choose the action you wish to take and click **OK**.

Note: Once you become comfortable working in *Manager*, if you no longer wish to use the wizard, simply disable the **Show this again on start up** option by removing the check mark from the adjacent box. To enable the wizard again, choose **File > Preferences** and check the **Show welcome dialog on startup** option.

Getting Familiar with Manager's Analyzer Tab

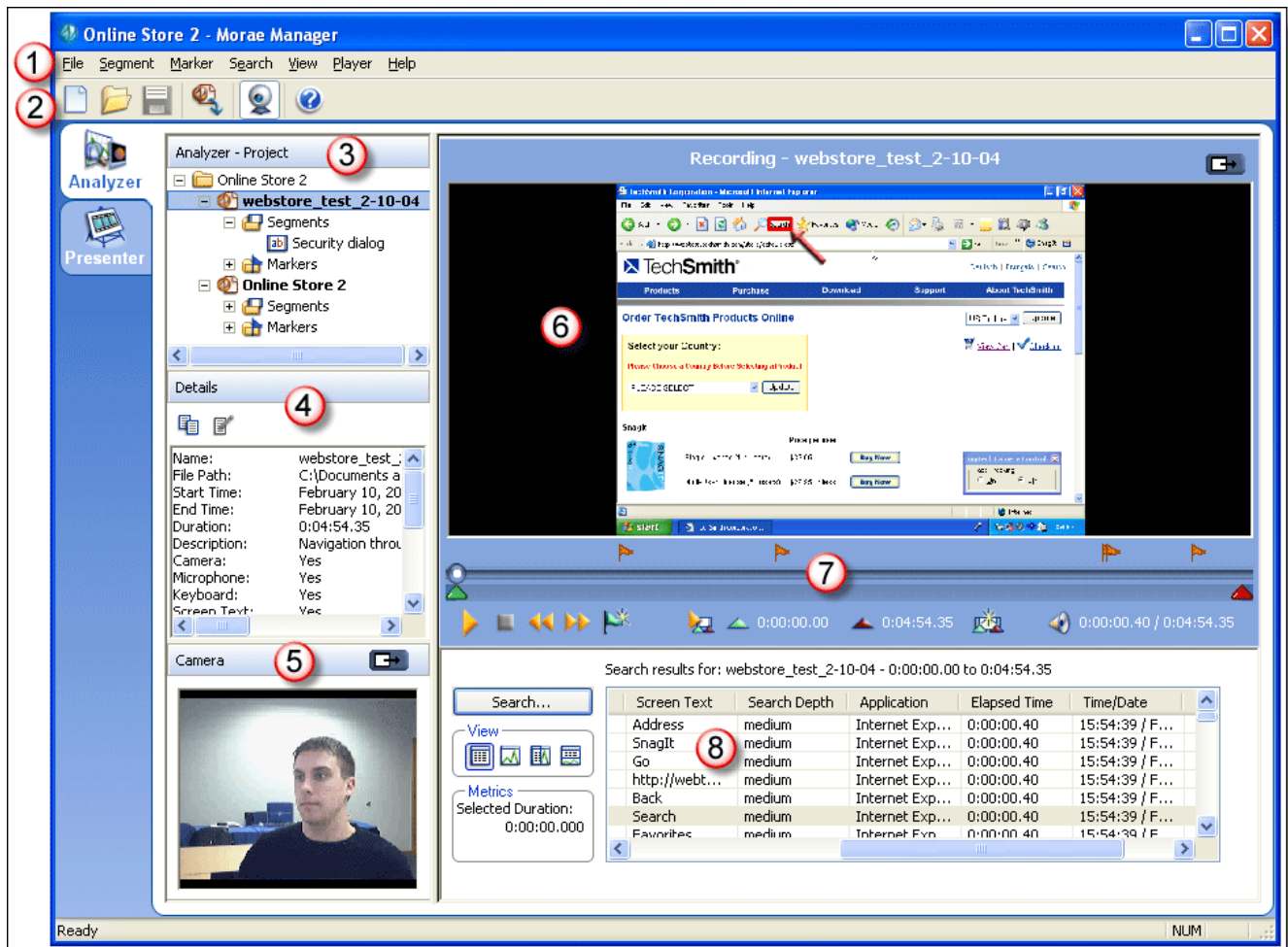
Manager's Analyzer tab allows you to import the recordings created by *Recorder* and organize them in a meaningful way. Within these recordings, the *Analyzer* tab allows you to:

- Create and conduct custom searches
- Create Segments
- View and add Markers
- Navigate through your recordings
- Get to results quickly and efficiently
- Calculate metrics

The topics in this chapter will familiarize you with the features available on the *Analyzer* tab and help you begin using those features to your greatest advantage during the analysis phase of your project.

Tour of Analyzer Tab's Interface

Analyzer tab's interface is illustrated in the figure below.



-
- ① **Menu Bar.** The menu bar allows you to access all of *Analyzer* tab's options. For more information, see *Analyzer Tab's Menus*.
 - ② **Toolbar.** The toolbar places *Analyzer* tab's most commonly used options in a conveniently accessible location. For more information, see *Analyzer Tab's Toolbar Options*.
 - ③ **Project Pane.** This pane allows you to easily navigate through your recordings, Segments, and Markers. For more information, see *Analyzer Tab's Project Pane*.
 - ④ **Details Pane.** This area displays valuable information about the selected recording, Segment, or Marker. For more information, see *Analyzer Tab's Details Pane*.
 - ⑤ **Camera Pane.** This pane allows you to view the camera video that corresponds to the selected recording, Segment, or Marker.
 - ⑥ **Player Window.** This area displays the screen video from the selected recording, Segment, or Marker. For more information, see *Analyzer Tab's Player Window*.
 - ⑦ **Player Controls.** These controls allow you to start, stop, and navigate through the screen video, and to create new Segments and Markers.
 - ⑧ **Search Pane.** This pane contains the options to initiate a search, and to view and navigate through the search results. For more information, see *Analyzer Tab's Search Pane*.
-

Creating a Project and Importing Recordings

Manager organizes your recordings by project. Before you can import the recordings created by *Recorder* into *Manager* for analysis, you will need to create a project in which to store those recordings. Once you've created a project, you will be able to save and reopen it and import additional recordings into it, as desired.

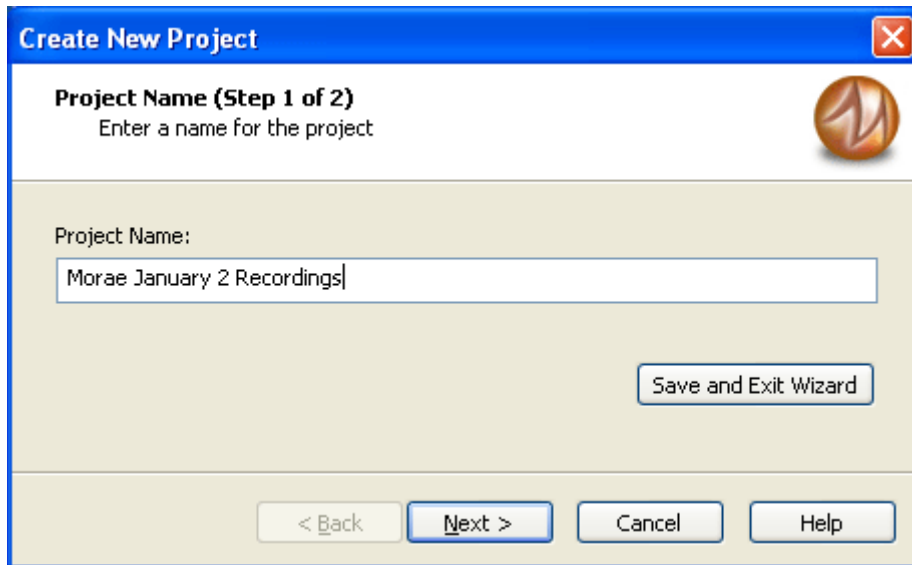
This section will show you how to create a new project and how to import recordings into an existing project.

Note: You can only open one project in *Manager* at a time.

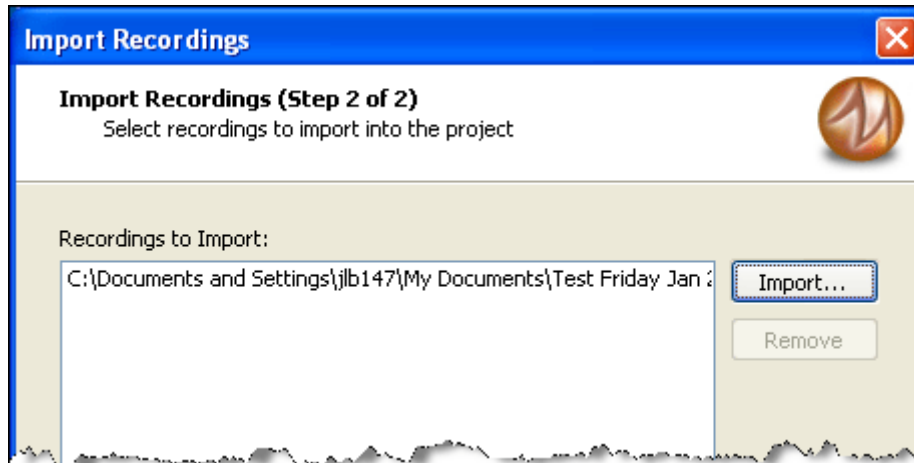
Creating a New Project


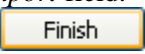
To create a new project in *Manager*:

1. Launch *Manager*.
2. In the *Welcome* wizard that appears, choose the **Create a New Project** radio button, and click **OK**. The first screen of the *Create New Project* wizard will be displayed:



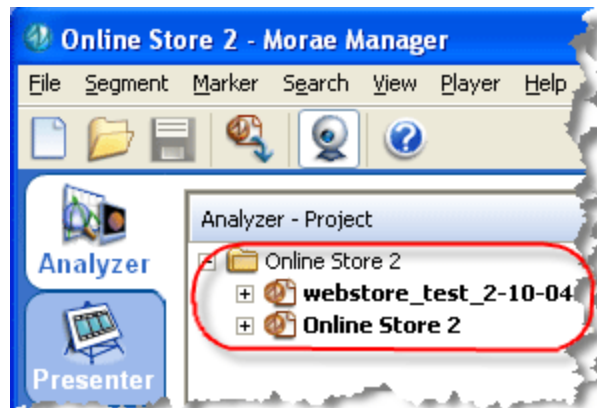
3. Type the desired **Project Name** in the field provided.
4. Choose **Next**. The second screen in the wizard will appear:



5. Choose the **Import** button  to browse for and select the recording (.rdg) files you wish to import into the project. To select more than one file, **SHIFT** + **click** on the recordings you wish to import.
6. Choose **Open** to add the recordings to the *Recordings to Import* field.
7. Once you have added all of the desired recordings, choose  to exit the wizard.

Note: If any of the recordings you are importing in the new project are password protected, a dialog will appear asking you to enter the correct password before the recording can be imported.

The new project containing the selected recordings will be added to *Manager's Project* pane, as shown below.





Note: When you import a recording into a project and begin adding Markers, Segments, or Clips, the original recording (.rdg) file is not altered. Any Markers, Segments, or Clips you create in the project will be saved within the project. The project will be saved as a separate (.mpr) file in your Default Project Folder. To change this folder, choose **File > Preferences**.

Importing Recordings into an Existing Project

After you have created your first project, or if you already have an existing project, you can import additional recordings for analysis without using the *Create New Project* wizard.

To import additional recordings into an existing project:

1. Choose the **Open Project** button  to browse for the existing *Morae* project file (.mpr).
Note: To access the .mpr files in an existing project, you may need to select the folder containing the project file and choose **Open**.
2. Select the .mpr file and choose **Open**. The project will appear in *Manager's Project* pane.
3. Next, choose the **Import Recording** button . The *Import Recording* dialog box appears.
4. Browse to locate the folder containing the desired *Morae* recording files (*.rdg).
5. Click on the .rdg file or type the **File name** directly into the field provided, and then choose **Open**. To choose more than one file to import, **SHIFT + click** on the desired files, and then choose **Open**.

Note: If the recording you choose for import is password protected, a dialog will appear at this time asking you to provide the correct password.

6. The recording file(s) will be imported into the open project and will appear in that project folder in the *Project* pane.

Once you have imported the recordings that you want to include in this project, you can begin using *Manager's* analysis tools to view and sort through your data and create Segments and Markers from the recording data. Continue with the topic *Marking Important Points in a Recording* to learn about creating Segments and Markers in your recordings.

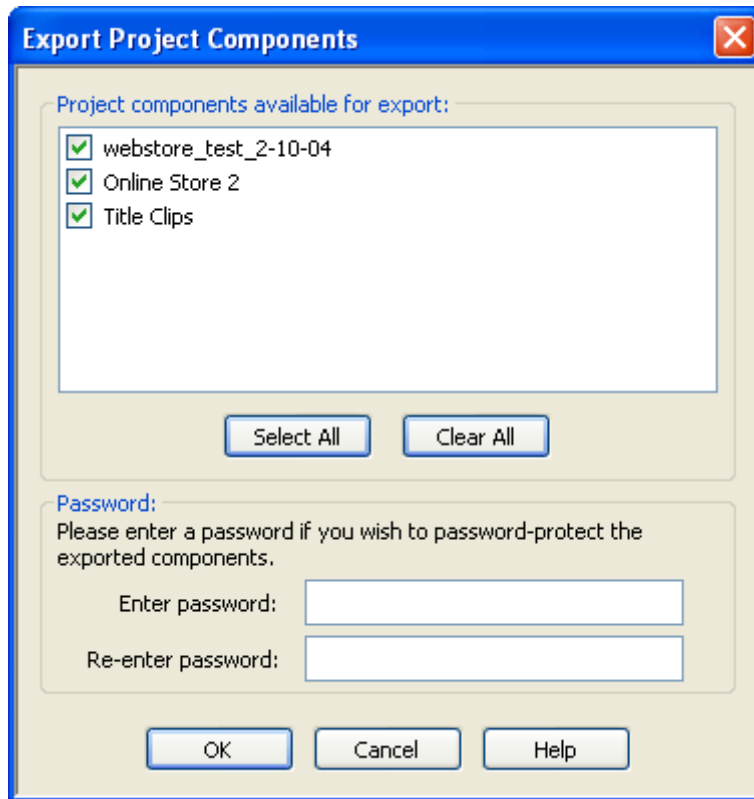
Exporting and Importing Project Components

You can export the components of your current project or import components from another project using the **Export Project Components** and **Import Project Components** options on *Manager's File* menu. Project components that can be exported/imported include entire recordings (with any Markers and Segments that have been added) and Title Clips.

When components are exported using the **Export Project Components** option, they are stored in a *Morae Project Component Archive* (.mpca) file. The archive file can then be imported into *Manager's* current project using the **Import Project Components** option. These options offer a convenient way to move components from project to project and to share components with other *Morae* users.

To Export Project Components

1. In *Manager*, choose **File > Export Project Components**. The *Export Project Components* dialog appears:

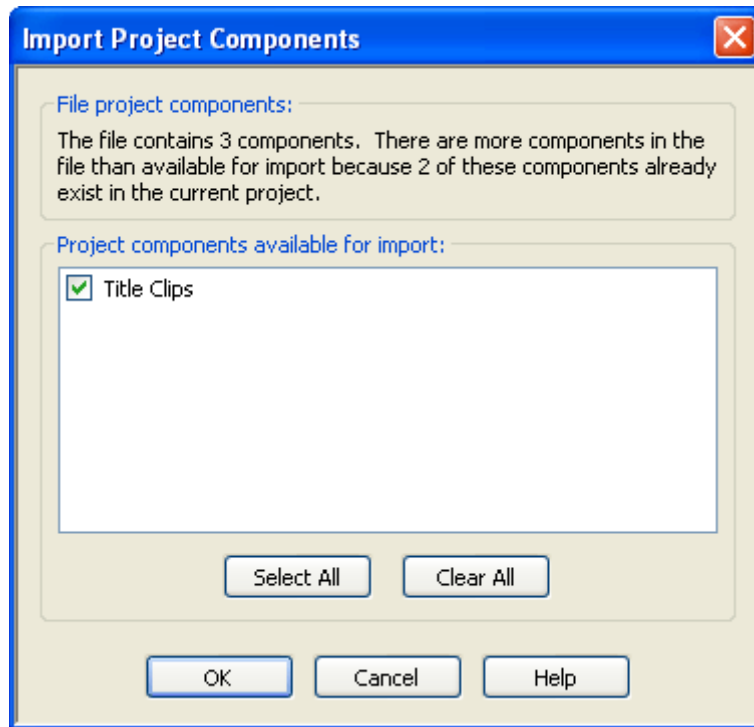


For more information about the options available in this dialog, see *Export Project Components Options*.

2. Place a checkmark next to the components you wish to export to the .mpca file.
3. If you want the archive file to be password protected, enter that password in the **Enter password** field, and again in the **Re-enter password** field.
4. Choose **OK** to export the components to the archive (.mpca) file.
5. Choose a name and location for the archive file, and then click **Save**. A progress dialog will appear to indicate that the components are being exported.

To Import Project Components

1. In *Manager*, choose **File > Import Project Components**. The *Import Project Components* dialog appears.
2. Select the archive (.mpca) file you wish to import and choose **Open**. The *Import Project Components* dialog appears:
Note: If the file is password protected, the *Enter Password* dialog will appear. Enter the password and click **OK**.



3. Place a checkmark next to the components you wish to import.
For more information about the options available in this dialog, see *Import Project Components Options*.
4. Click **OK** to import those components into the current project. A progress dialog will appear to indicate that the components are being exported.

Note: Components in the current project cannot be overwritten by components with the same name from an .mpca file. If you wish to replace the components in a current project with imported components that have the same name, you must first delete the components from the original project and then import them using the **File > Import Project Components** option.

Marking Important Points in a Recording


Once you have imported recordings into your project, you can begin focusing your analysis by marking important activities that occurred. This chapter will show you how to create Segments, which isolate *short sections* of the recording, and Markers, which mark *specific points* in the recording, during which meaningful activity has taken place.

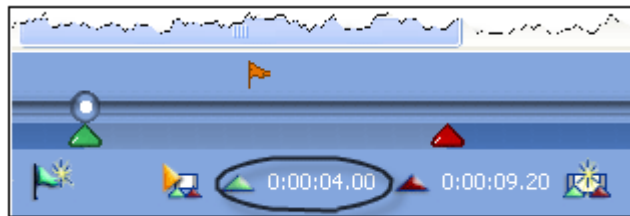
Creating Segments


As you view your recording files, you may want to mark short sections of a recording that are of particular interest to you in order to focus your analysis. The Segment feature lets you quickly isolate these sections of interest.

Using the *Analyzer* tab's Segment feature and its related options, you can create, play, and edit all of the Segments you need to during analysis. You can also later view these Segments in the *Presenter* tab and use them to create Video Clips for your highlight video presentation.

To Create a Segment





1. In the *Project* pane, click once on the title of the recording from which you want to create a Segment.
2. Use the *Player* controls and seek bar in the *Player Window* to locate the starting point (the **In Point**) of your Segment.
3. Set the **In Point** by clicking the **Set In Point** button  in the *Player Window*. The start time of the Segment will appear in the area adjacent to the **Set In Point** button, and a green **In Point** arrow will appear below the seek bar:

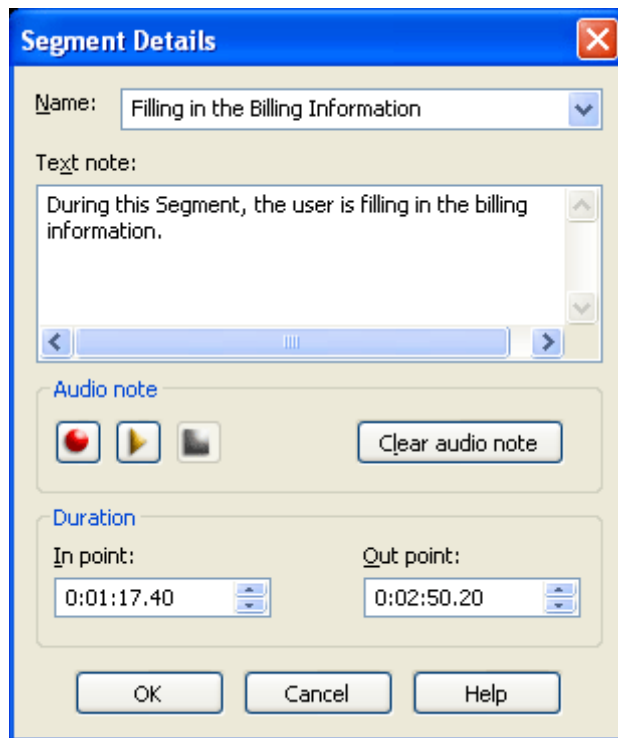



4. Next, use the *Player* controls to locate the ending point (the **Out Point**) of your Segment.
5. Set the **Out Point** by clicking the **Set Out Point** button  in the *Player Window*. The end time of the Segment will appear in the area adjacent to the **Set Out Point** button and a red **Out Point** arrow will appear below the seek bar:



Note: Clicking the **Set In Point** or **Set Out Point** buttons will set the points to their current locations on the seek bar. Prior to creating the Segment, you can still adjust these points by

- clicking and dragging the **In Point**  and **Out Point**  arrows along the seek bar.
6. To preview your selection before creating the final Segment, choose **Player > Play In to Out Points** from the menu bar or click the **Play In to Out Points** button  in the *Player Window*.
 7. If you are not satisfied with your selection, use the *Player* controls to adjust and reset your **In** and/or **Out Points**.
 8. Once you are satisfied with your selection, choose the **Create Segment** button  from the *Player Window* or choose **Segment > Create Segment**. The *Segment Details* dialog box will appear:




9. Enter the Segment **Name**, and add a **Text note** and an **Audio note**, if desired. You can also fine-tune the Segment's **In Point** and **Out Point** using the options in the *Duration* group box. For more detailed information about the options in this dialog box, see *Segment Details Options*.
10. Choose **OK** to create the Segment.
11. The new Segment, with the name you've assigned, will be added underneath the *Segments* folder in the *Project* pane.
12. To view the Segment again, double-click the Segment's name in the *Project* pane, or click once on the Segment and choose the **Play** button  in the *Player Window*.

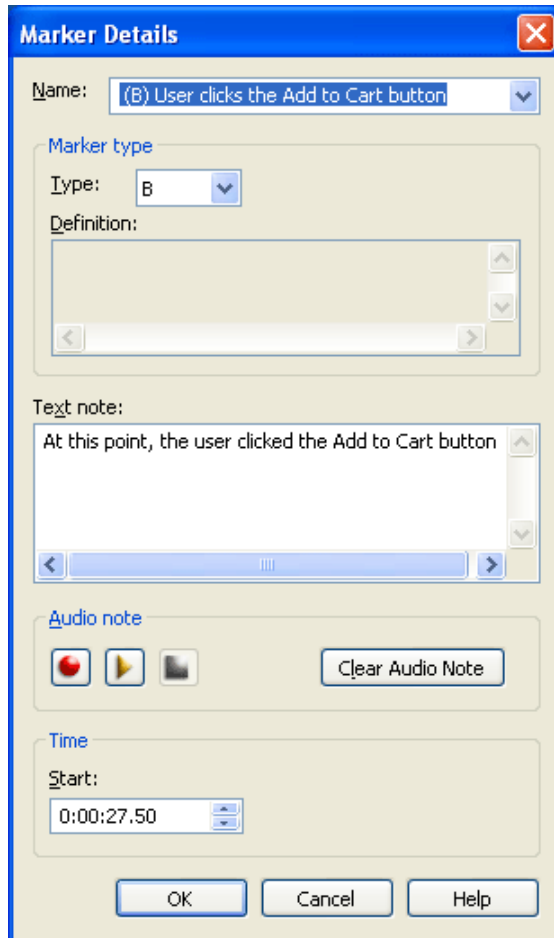
Creating Markers

Markers allow you to flag and annotate specific points in time during a recording. In the *Analyzer* tab, you can view the Markers that were set during recording with *Remote Viewer*, and you can add new Markers as you review and analyze the video data. Markers appear as flags along the seek bar in the *Player Window*, allowing

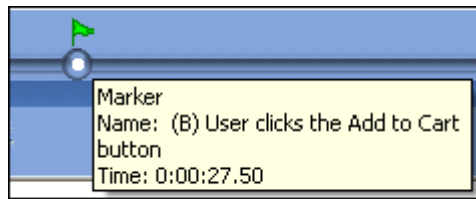
you to easily navigate to your Markers by clicking on their corresponding flags. Markers are also sorted in chronological order within the Markers folder in the *Project* pane.

To Create a New Marker in the *Analyzer* Tab

1. In the *Project* pane, click once on the title of the recording or Segment to which you want to add a Marker. The recording or Segment will load into the *Player*.
2. Using the *Player* controls and seek bar in the *Player Window*, locate the point at which you would like to add the Marker.
3. To set the Marker, choose the **Create Marker** button  from the *Player* controls. The *Marker Details* dialog box will appear:



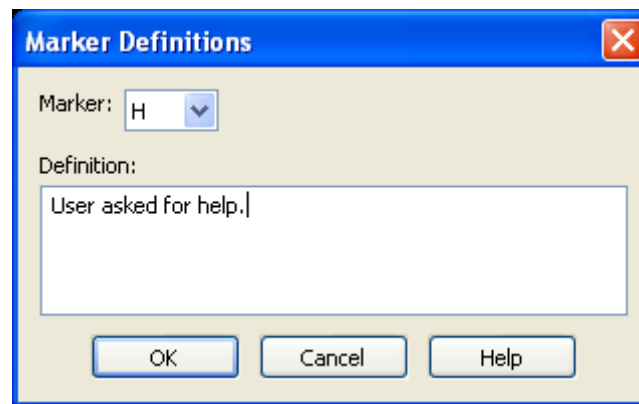
4. Enter the Marker **Name**, choose a Marker **Type**, and add a **Text note** and **Audio note** if desired. For more detailed information about the options in this dialog box, see *Marker Details Options*. **Note:** If a definition has been assigned to the Type, it will appear in the **Definition** field. For more information, see *Defining Marker Types*.
5. Choose **OK** to create the Marker.
6. The new Marker, with the name you've assigned, will be added underneath the *Markers* category in the *Project* pane. The Marker will also be indicated with a flag and an identifying tooltip, on the seek bar just below the *Player Window*:



7. To view the Marker in the *Player Window*, do either of the following: click once on its name in the *Project* pane, or click once on its flag on the seek bar.

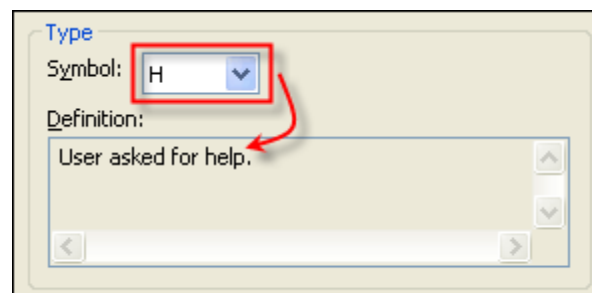
Defining Marker Types

The options in the *Marker Definitions* dialog box allow you to assign meaningful text definitions to the Marker Type letters. Marker definitions are completely optional and can only be added or edited within the *Marker Definitions* dialog box. To access the *Marker Definitions* dialog box, choose **Marker > Define Marker Types**.



For example, maybe you want all of your “H” Markers to indicate the points at which the user asked for help. Choose **Marker > Define Marker Types**, select “H” from the **Type** dropdown list, and enter the definition “User asked for help” in the **Definition** field. Unlike a text note for a specific Marker, a Marker definition applies to all Markers of that Type. All existing Markers assigned the Type “H” within that project will be assigned this text definition. This includes *Remote Viewer* Markers.

Also, when you create a new Marker and choose Type H in the *Marker Details* dialog box, the definition assigned to that Type will automatically appear in the **Definition** field, as shown in the following figure:



Though it can be viewed here, the definition can only be changed in the *Marker Definitions* dialog box.



When a Marker with a definition is selected in the *Project* pane, the Marker Type and Definition will show up in *Manager's Details* pane. The Marker Type will also appear in the returned results of any search that includes Marker information.

Note: Marker definitions created in *Manager* will be assigned to the *Remote Viewer* Markers once the recording is imported into the current project.

Adding Text and Audio Annotations to Segments and Markers

You can easily add text and audio notes to any of the Segments or Markers you create in the *Analyzer* tab.

Text Notes



When you add a text note to a Segment or Marker, the icon for that item in the *Project* pane will change to reflect that a text note is present ( or ). The text note can also be viewed in the *Details* pane when you click once on Segment or Marker. Text notes have no character limit, and their contents are fully searchable.

To add or edit a text note:

1. Right-click on the Segment or Marker in the *Project* pane and choose **Edit Segment/Marker**.
2. In the *Marker Details* or *Segment Details* dialog box, type the desired text note in the **Text note** field.
3. Choose **OK** to exit the *Details* dialog box.





For more information, see *Segment Details Options* or *Marker Details Options*.

Audio Notes

Using a peripheral microphone, you can add audio notes to your Segments and Markers. Once the audio note has been added, the icon for the Segment or Marker in the *Project* pane will change to reflect that an audio note is present ( or ). By default, the system microphone is used for audio notes in *Manager*. For information about how to select a different microphone, see *Microphone Volume*.

Note: Audio notes that are added to Segments in the *Analyzer* tab will carry through to the *Presenter* tab. If you create a Video Clip from a Segment that already has an audio note, when you move the Clip to the *Storyboard*, the audio will move with it. If you do not want the audio note to be included in your highlight video, you can clear it or rerecord it within the *Video Clip Details* dialog box. For more information, see *Adding Audio Annotation to Video and Title Clips*.

To add or edit an audio note:

1. Right-click on the item in the *Project* pane and choose **Edit Segment/Marker**.
2. In the *Segment Details* or *Marker Details* dialog box, click the **Record** button  to begin recording the audio note.
3. When the recording is complete, click the **Stop** button. 
4. The **Play** button  will now be enabled; choose it to playback your audio note.
5. To clear an audio note, choose the **Clear audio note** button . The note will be erased immediately.
6. Choose **OK** to exit the *Details* dialog box.

Searching

Manager's *Search Editor* allows you to create customized searches to find the data you are looking for more efficiently than ever before. Using the options in the *Search Editor*, you can quickly define:

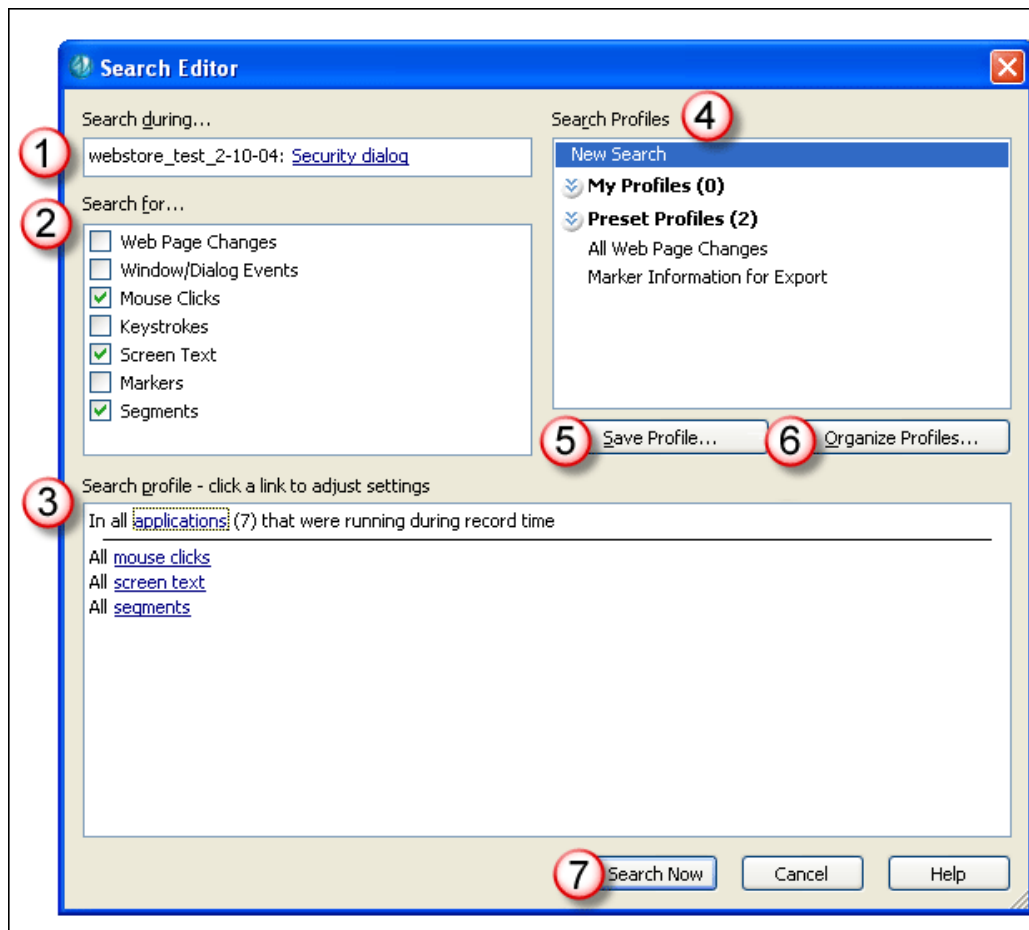
- **When** — the time span for the search (an entire recording, a Segment, etc.)
- **What** — the types of events or text you are looking for (mouse clicks, screen text, etc.)
- **Where** — the applications, of those that were running during recording, to search in

You can also save your favorite or most-used search profiles, create custom groups of profiles, and import or export single search profiles or profile groups. This section will familiarize you with the options available in the *Search Editor* and also explain the following processes related to searching:

- Creating a Search Profile
- Conducting the Last Search
- Conducting a New Search
- Working with Search Profiles

Getting Familiar with the Search Editor

The *Search Editor* is briefly illustrated in the figure below. For more detailed information about the options in the *Search Editor* and its related dialog boxes, see *Search Editor Options*.



- ① **Search during.** This field displays the currently selected time span for the search. To adjust this time span, click on the hyperlink in the field.
- ② **Search for.** This pane contains seven search categories that allow you to refine your search. Place a checkmark next to each category that you want to include in the search.
- ③ **Search profile.** This pane contains the current search profile. Click on the “applications” hyperlink to adjust the number of applications you want to include in the search. The applications include only those that were running on the *Recorder* source computer during the selected time span.

For each category you have selected in the *Search for* pane, a hyperlink appears in the *Search profile* pane allowing you to access additional options for that category. As you select categories to search for and refine the options in those categories, the wording in this pane will change to reflect your choices.
- ④ **Search Profiles pane.** This pane contains a list of your saved search profiles and custom profile groups. This pane also contains the **New Search** and **Last Search** options, which allow you to quickly clear the options to create a new search or run the last search again.
- ⑤ **Save Profile.** This button gives you access to the *Save Search Profile As* dialog box, which contains the options that allow you to save and name profiles, and add new groups to your profile list.
- ⑥ **Organize Profiles.** This button gives you access to the *Organize Search Profiles* dialog box, which contains the options that allow you to arrange, delete, rename, import, and export search profiles.
- ⑦ **Search Now.** When you are satisfied with the current *Search profile*, click the **Search Now** button to conduct the search and view your results.

Creating a Search Profile


As you define the time span for your search, select the types of events or information you are searching for, and choose the applications to include in the search, you are creating a customized search profile that can be used just once or saved and used repeatedly. This section will explain, step by step, how to create a search profile.

Step 1: Select the Time Span for the Search

Note: When you save a search profile, it includes all of the settings you’ve chosen in the *Search Editor* except for the time span.

1. In the *Project* pane, select the time span in which you want to conduct the search. You can choose to search during any of the following:
 - **An entire recording** — Click on the desired recording in the *Project* pane.
 - **A Segment** — Click on the desired Segment in the *Project* pane.
 - **Between the In and Out points** — Use the seek bar and *Player* controls to set your In and Out point arrows at the desired locations.

Note: If you do not make a specific selection, the default time span will be between the current In and Out points on the seek bar.

2. Once you have selected your time span, click the **Search** button  in the *Search* pane, or choose **Search > Run Search** from the menu bar.

3. The *Search Editor* window will appear, and the time span you have chosen will be displayed in the *Search during* field.

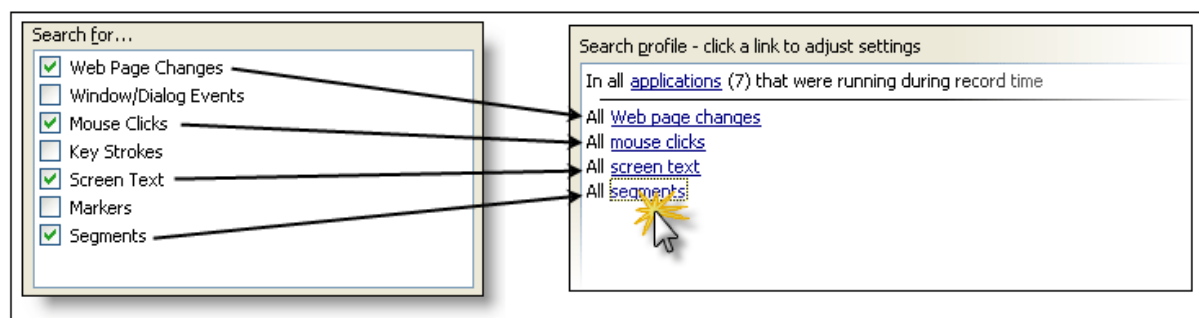


4. To change the time span, click the hyperlink in this field.

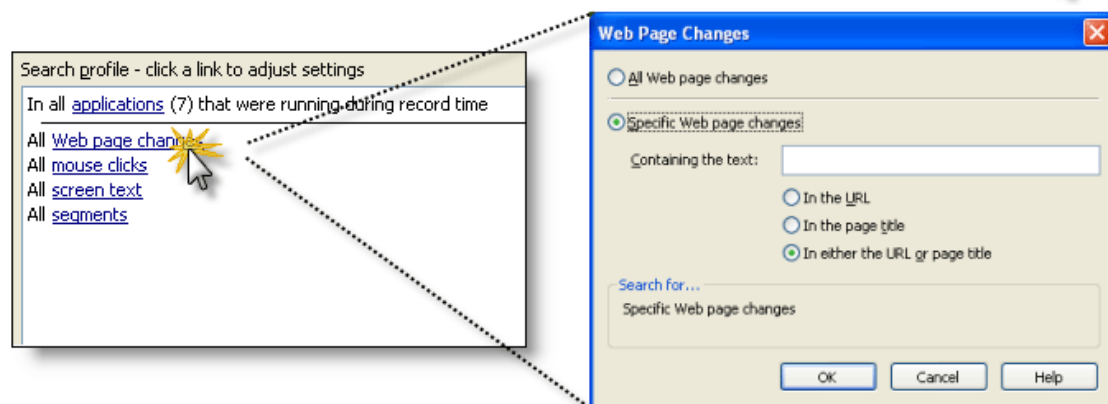
Step 2: Choose What to Search For

Once you have specified a time span in which to conduct the search, you will need to further define the search by selecting the events you want to look for. These events can include: **Web page changes**, **window/dialog events**, **mouse clicks**, **keystrokes**, **screen text**, and **Marker** and **Segment** information.

1. To select a category to include in the search, place a checkmark in the box next to that category in the *Search for* field. For each element you choose, a corresponding hyperlinked phrase will appear in the *Search profile*. See *Search Categories*, below, for more information about these options.



2. Click on the hyperlink to open an options dialog box for that category. For example, clicking on the **Web page changes** hyperlink in the *Search profile* area opens the *Web Page Changes* options dialog box.



3. Choose the desired options for each category. The options will vary depending on the category you choose.
4. Once you exit the options dialog box, your *Search profile* will reflect your choices.

Search Categories

The following table summarizes the options available within each search category.

Web Page Changes	Includes all Web page changes (when a Web page was loaded into the browser) or only Web page changes that contain specific text in the URL and/or the page title. For detailed information, see <i>Web Page Changes Options</i> .
Window/Dialog Events	Includes all windows or dialogs that were resized, moved, or received focus, with the option to adjust the search depth (low, medium or high) and specify the title of the window or dialog. For detailed information, see <i>Window/Dialog Events Options</i> .
Mouse Clicks	Includes all mouse clicks, with options to specify which mouse button was clicked (left, middle, right), if a modifier key was also used, and mouse clicks that occurred in a specific window/dialog. For detailed information, see <i>Mouse Clicks Options</i> .
Keystrokes	Includes any keystroke or keystroke combination. For detailed information, see <i>Keystrokes Options</i> .
Screen Text	Includes specific text that appeared on the screen, with options to match the case and adjust the search depth (low, medium, or high). For detailed information, see <i>Screen Text Options</i> .
Markers	Includes all Marker information, or specific Markers by type, text, or where the Marker was created (<i>Remote Viewer</i> or <i>Manager</i>). For detailed information, see <i>Markers Options</i> .
Segments	Includes all Segment information, or specific Segments by the text contained in the name and/or notes. For detailed information about these options, see <i>Segments Options</i> .

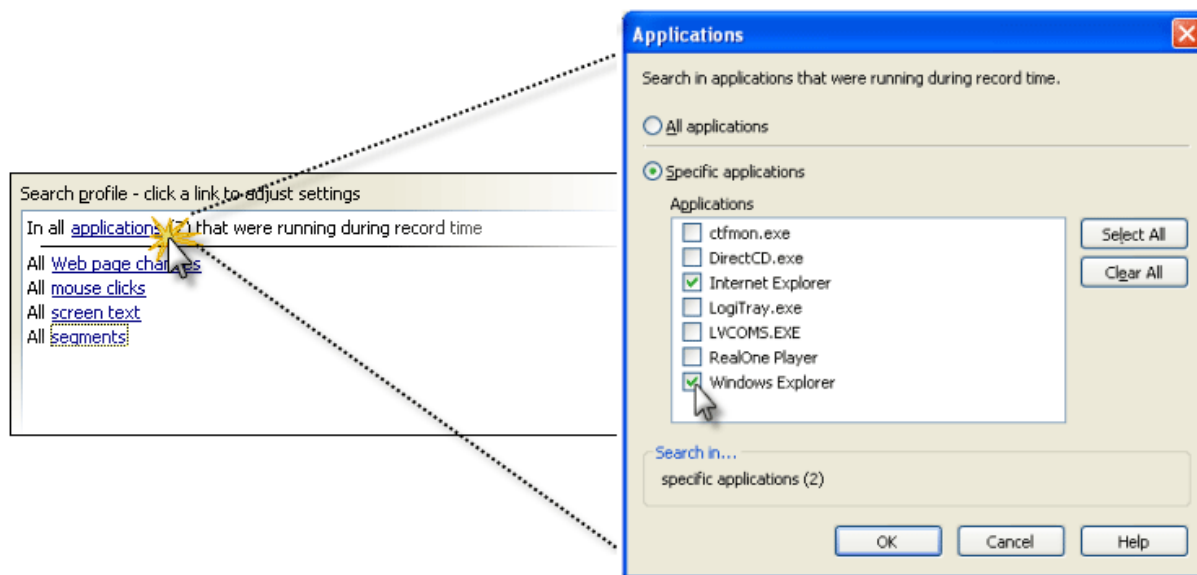
Step 3: Define the Applications to Include in the Search

In this step, you can specify the application or applications in which to search. The list of applications will include only those that were running on the *Recorder* source computer during the time span you have selected for the search.

For example, if you want to search for activity or events that occurred within just Internet Explorer during the time span you've chosen, then you would select only Internet Explorer in this step.

To select applications to include in the search:

1. Click on the **applications** link in the *Search profile* field. The *Applications* dialog box will appear.

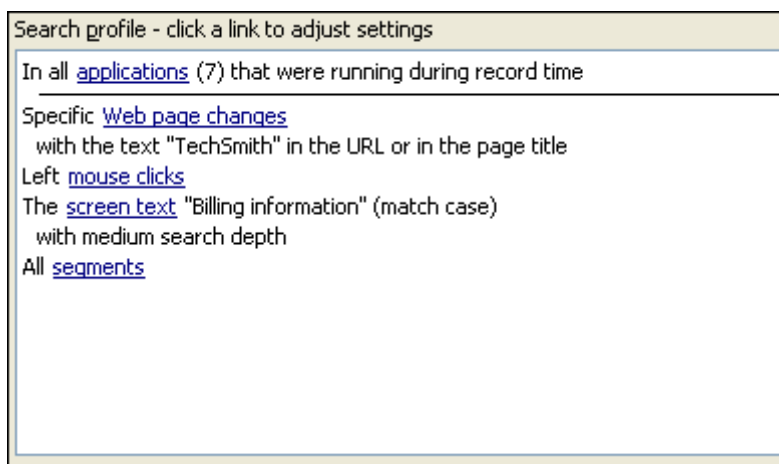


2. Choose the **Specific applications** radio button.
3. Place a checkmark next to the applications you wish to include in the search.
Note: If you do not select specific applications to include, all of the applications that were running during the time span you chose will be included by default.
4. When you are finished making your selections, choose **OK** to exit the dialog box.
5. Your selections will be indicated in the *Search profile*.

Note: If you have chosen only one application to include in the search, the name of this application will appear in the *Search profile*. If you have chosen multiple applications, the number of applications will be shown in the search composition.

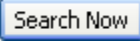
Step 4: Review and Adjust the Search Composition

After you've completed Step 3, the entire search you have created will be shown in the *Search profile* pane:



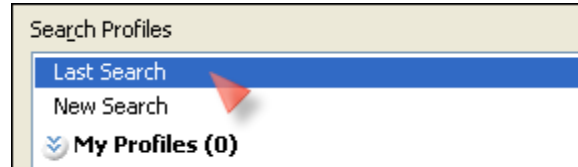
Read each line carefully to be sure that you have included all of the desired search parameters. To adjust the options related to any part of the search, click on the corresponding link in the search profile.

Step 5: Conduct the Search

To conduct the search, click the **Search Now**  button. The *Search Editor* window will close and your search results will appear in the *Search* pane.

Conducting the Last Search

Once you have run at least one search, the **Last Search** option will appear in the *Search Profiles* pane:



The search profile settings from your last search are always saved under the **Last Search** option, allowing you to quickly repeat that search. To conduct the last search again, simply choose the **Last Search** option and adjust the time span (by clicking the link in the *Search during* field). You can also change any of the other search settings, if desired. Click **Search Now** to conduct the search.

You can also conduct the **Last Search** without reentering the *Search Editor* dialog box by using the hotkey combination **Ctrl + Alt + R**. This allows you to change the time span for the search and then run the same search on the new time span. For example, if you have just run a search for all Mouse Clicks, you can select a new Segment or recording in the *Project* pane (or use the seek bar to set unique In and Out points for the search) and then press **Ctrl + Alt + R** to run that same search on the new time span. This shortcut always conducts the last search on the time span between the current In and Out Points.

Conducting a New Search

The **New Search** option in the *Search Profiles* pane allows you to clear all of the settings in the *Search Editor* and begin creating a new search profile. Simply click the **New Search** option and then proceed with creating the new search profile.

Working with Search Profiles

The *Search Editor* not only allows you to create powerful, customized searches, but it contains options that let you save, organize, import and export your most valuable search profiles and profile groups. If you find that you use certain search profiles repeatedly and often, then the options described in this section will help you get through your data and on to your results much more quickly.

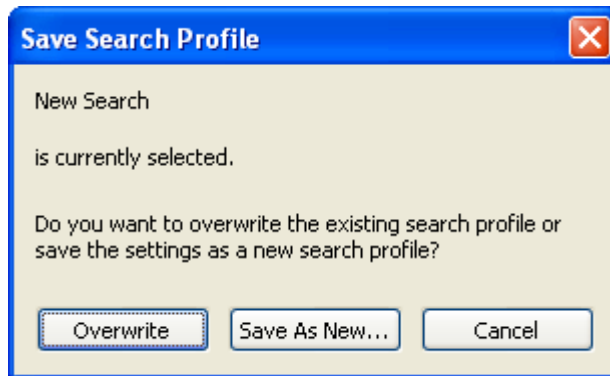
Saving Search Profiles

Once you have created and run a couple of searches, you may find that you use one or more of them repeatedly. To make the analysis process more efficient, you can save your most commonly used search profiles within the *Search Profiles* pane. There are two options when saving search profiles. You can either save the search settings with a new name, or you can overwrite an existing profile with new search settings.

Note: When you save a search profile, it includes all of the settings you've chosen in the *Search Editor* except for the time span (in the *Search during* field).

To save a new search profile:

1. Choose the **Save Profile** button. The *Save Search Profile* dialog box appears:



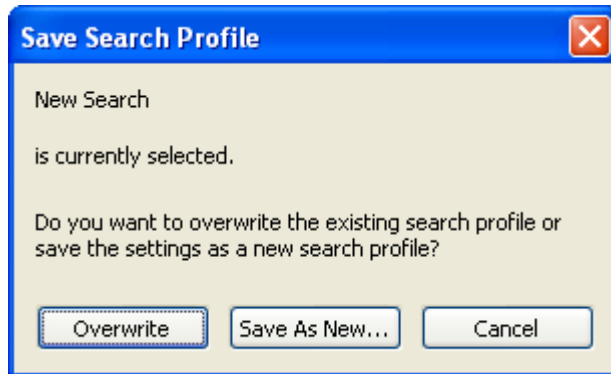
2. Click **Save as New**. The *Save Search Profile As* dialog box appears:



3. Click on the group you want to save the search profile in.
4. Enter a name for the search profile in the **Name** field, and click **Save**.

To overwrite an existing profile with new search settings:

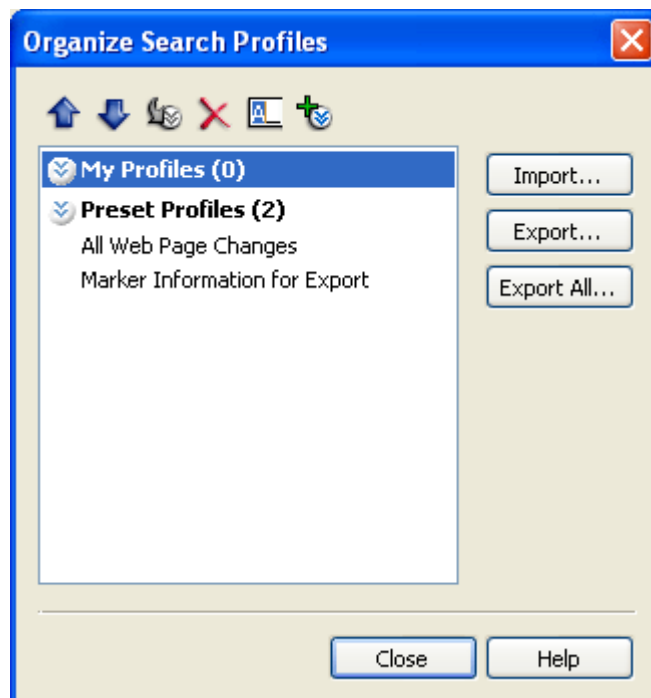
1. In the *Search Profiles* pane, select the existing profile that you wish to overwrite.
Note: You cannot overwrite the New Search or Last Search profiles.
2. Click the **Save Profile** button. The *Save Search Profiles* dialog appears.









3. Click **Overwrite**.
4. The new search settings will now be saved under the existing profile's name.

Organizing Search Profiles

Once saved within the *Search Profiles* pane, your search profiles can be placed in groups, moved up or down within a group's list, renamed or deleted. New custom-named groups can also be added. To access the options that allow you to organize your search profiles, choose the *Organize Profiles* button. The *Organize Search Profiles* dialog box will appear:



The toolbar in this dialog contains the options you'll need to organize your search profiles:

To move a profile or group up	Select the profile or group to highlight it, and click the Move up  button.
To move a profile or group down	Select the profile or group and click the Move down  button.
To move a profile to a group	Select the profile and click the Move to group  button. The <i>Move Search to Group</i> dialog appears. Select a group to move the profile into and click OK .
To delete a profile or group	Select the profile or group and click the Delete  button.
To rename a profile or group	Select the profile or group and click the Rename  button.
To add a new group to the list of search profiles	Click the Add group  button. The <i>Add Group</i> dialog box appears. Enter a name for the group and click OK .

Exporting a Single Profile or a Group of Profiles

Using the **Export** and **Export All** options in the *Organize Search Profiles* dialog box, you can quickly export one search profile or an entire group of profiles into a Morae Manager Search Profile (.mgrsrch) file. This is a convenient way to share or move your most commonly used search profiles.

To export one search profile or a profile group:

1. Within the *Organize Search Profiles* dialog box, click on the name of a search profile, or the name of a group to highlight it.
2. Click on the **Export** button. A default *Save As* dialog will appear.
3. Browse and select the desired location for the file in the **Save in** field.
4. Keep the default file name or enter a new file name in the **File name** field.
5. Choose **Save** to export the search profile or group.

To export all of your search profiles:

You can quickly export all of the search profiles using the **Export All** option. To do this, follow these steps:

1. Within the *Organize Search Profiles* dialog box, click on the **Export All** button. A standard *Save As* dialog will appear.
2. Browse and select the desired location for the file in the **Save in** field.
3. Enter a name in the **File name** field.
4. Choose **Save**. All of the existing search profiles will be exported into a single Morae Manager Search Profile (.mgrsrch) file.


Importing Search Profiles

You can import the contents of a Morae Manager Search Profile (.mgrsrch) file, which may contain one search profile, several search profiles, or a group of profiles. To do this, follow these steps:

1. Within the *Organize Search Profiles* dialog box, click on the **Import** button. A standard *Open* dialog box will appear.
2. Browse to locate and select the Morae Manager Search Profile (.mgrsrch) file that you want to import.
3. Click **Open**. The profiles and groups will appear in your *Search Profiles* pane, available for immediate use.

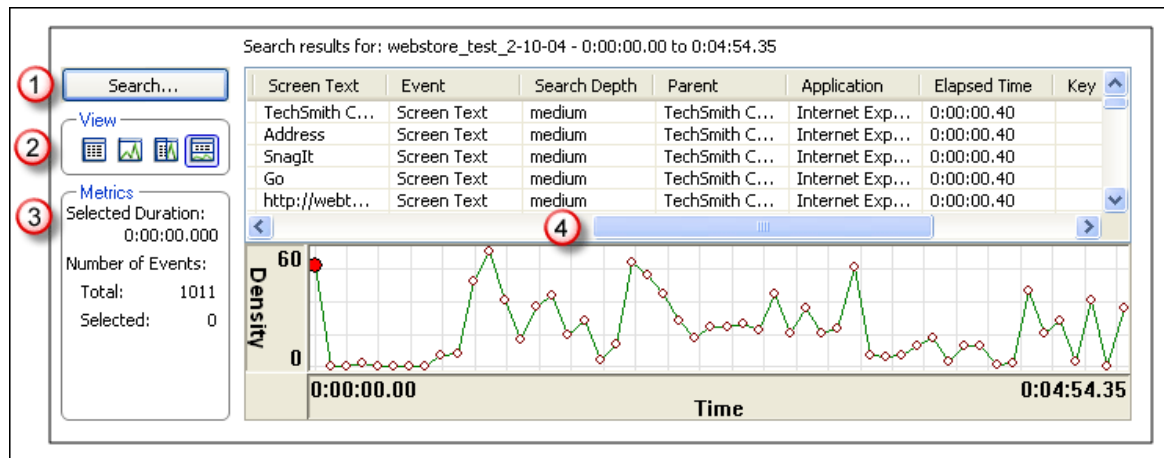
Getting Familiar with the Search Pane

Analyzer tab's *Search* pane contains powerful features that allow you to select from a variety of search parameters, conduct your customized search, view the results in list and graph (line or histogram) format, and navigate through the screen and camera video by clicking on the results. You can also export the results to a comma-delimited file that can be opened and manipulated in other applications. Using the dynamic built-in calculator in the *Metrics* area, you can immediately see the time between events, the total number of events, and the total number of events selected, at any given point during your analysis.

Note: To make room to enlarge the *Search* pane, undock the *Player Window* using the **Dock/Undock** button. 

Tour of Analyzer Tab's Search Pane

The *Search* pane is illustrated in the figure below. For detailed information about all of the options in the *Search* pane, see *Analyzer Tab's Search Pane*.



- 1 Search Button.** This button opens the *Search Editor*, which allows you to create a search profile and conduct a search. For more information, see *Searching* and *Search Editor Options*.
- 2 View.** The buttons in this group box allow you to change the way you view the results in the List/Graph area. For more information, see *Viewing and Navigating Search Results*.
- 3 Metrics.** The *Metrics* area calculates and displays the time between selected results and the number of results (total and selected).
- 4 List/Graph.** The list/graph area displays the search results in the view format you've selected. Within this area, you can easily navigate through and view the results of your search.

Viewing and Navigating Search Results

Once you have conducted a search, your results will be displayed in the List /Graph area of the *Search* pane. This section describes the features of the List and Graph views, and how to use these features to calculate metrics, navigate through your results, and export the critical results to a spreadsheet program for further analysis.

Changing Views

Before you begin sorting through the results of your search, it is helpful to understand the different ways these results can be viewed in the *Search* pane. In the *View* group box, there are four options:



List. Displays the search results in a detailed list.



Graph. Displays the search results in a line or histogram graph format.



Tile Vertically. Displays a combination list/graph view of the results, with the list on the left and graph on the right.

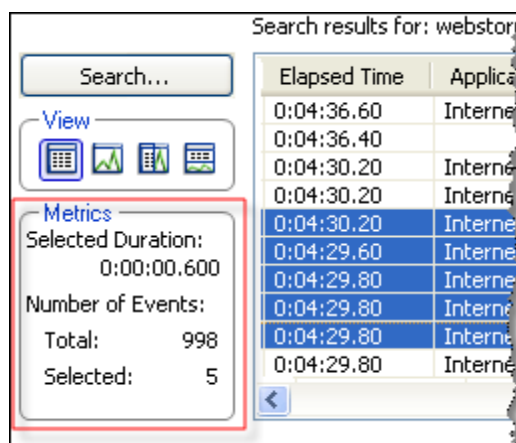


Tile Horizontally. Displays a combination list/graph view of the results, with the list on top and the graph on bottom.

Metrics

The *Metrics* area, which is present in all of the views, contains a dynamic calculator that displays three different values. The **Selected Duration** field displays the duration between the first and last result in a group you have selected.

In the **Number of Events** group, the **Total** field displays the total number of results in the list, and the **Selected** field displays the total number of results currently selected.



List View

In the List View, the results of your search are displayed in a detailed list format. The columns that appear in the List View will depend on the search criteria you selected. Columns that contained no data for a particular set of search results will automatically be excluded from the List View display. The List View columns will always appear in a specific default order from left to right, unless you rearrange them. For more information about the columns displayed in the List View, and their default order, see *List View Columns*.

- **To move a column**, simply click on the column header and drag the column to the new location.
- **To sort a column** in ascending or descending order, click once on the column header. Click again to reverse the order.

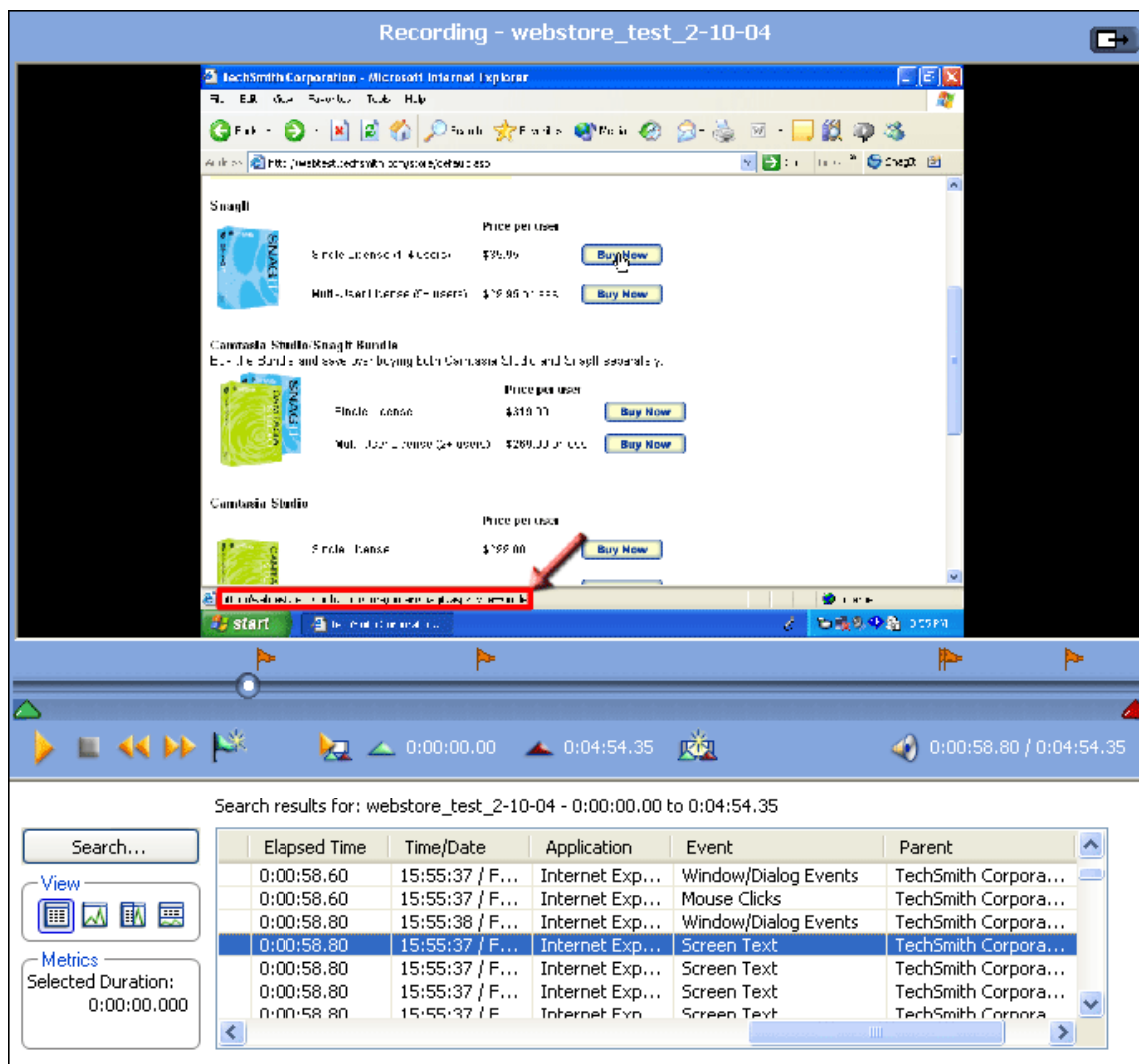
Search results for: webstore_test_2-10-04 - 0:00:00.00 to 0:04:54.35

Elapsed Time	Application	Event	Time/Date	Parent
0:00:58.20	Internet Exp...	Screen Text	15:55:37 / F...	TechSmith Corpora...
0:00:58.40	Internet Exp...	Screen Text	15:55:37 / F...	TechSmith Corpora...
0:00:58.40	Internet Exp...	Screen Text	15:55:37 / F...	TechSmith Corpora...
0:00:58.60	Internet Exp...	Window/Dialog Events	15:55:37 / F...	TechSmith Corpora...
0:00:58.60	Internet Exp...	Mouse Clicks	15:55:37 / F...	TechSmith Corpora...
0:00:58.80	Internet Exp...	Window/Dialog Events	15:55:38 / F...	TechSmith Corpora...
0:00:58.80	Internet Exp...	Screen Text	15:55:37 / F...	TechSmith Corpora...
0:00:58.80	Internet Exp...	Screen Text	15:55:37 / F...	TechSmith Corpora...
0:00:58.80	Internet Exp...	Screen Text	15:55:37 / F...	TechSmith Corpora...
0:00:58.80	Internet Exp...	Screen Text	15:55:37 / F...	TechSmith Corpora...

Search... View Metrics
 Selected Duration: 0:00:00.000
 Number of Events: Total: 998 Selected: 1

List View Navigation

To navigate through your results using the List View, simply click on a result in the list, and the screen video and camera video will jump to that point in the recording. The selected event will also be highlighted with a red box and an arrow in the *Player Window*, as shown in the following figure:



Navigation Tips

- Use the up and down arrows on your keyboard to quickly move through your results.
- Use the left and right arrows to scroll left or right while viewing a particular result (or click and drag the scroll bar).
- To select a group of consecutive results **Shift-click** on the first and last result in the group. All of the results in between will also be selected.
- **CTRL-click** to select specific, nonconsecutive results.
- If you select more than one result in the list, the first item in the list (the selected item) will be displayed in the *Player Window*.

Playing Search Results in the List View

When a result is played in the List View, it appears as a single frame of screen video in the *Player Window*, with the important event highlighted with a red box and an arrow. When you play a list of results, they appear as a series of these single frames played one after the other, similar to a slide show.

- To play all of the results in order, right-click anywhere in the list view area and choose **Play Results** from the context menu. The results in the list will play from top to bottom.
- To play the results from the one you have selected to the end of the list, right-click on the selected result and choose **Play from Here**.
- To play the rest of the screen video from the selected result forward, double-click on the result.

Exporting Results from the List View

The results from any search can be exported directly from the list view into a comma-delimited file that can then be opened and manipulated in other applications, such as Microsoft Excel. Even if your results did not include all of the available List View columns, all of the columns will be included in the exported file. The columns will also always appear in their default order even if you have rearranged the columns in your List View. There are two options for exporting results: export all of the results, or only selected results.

To export all results:

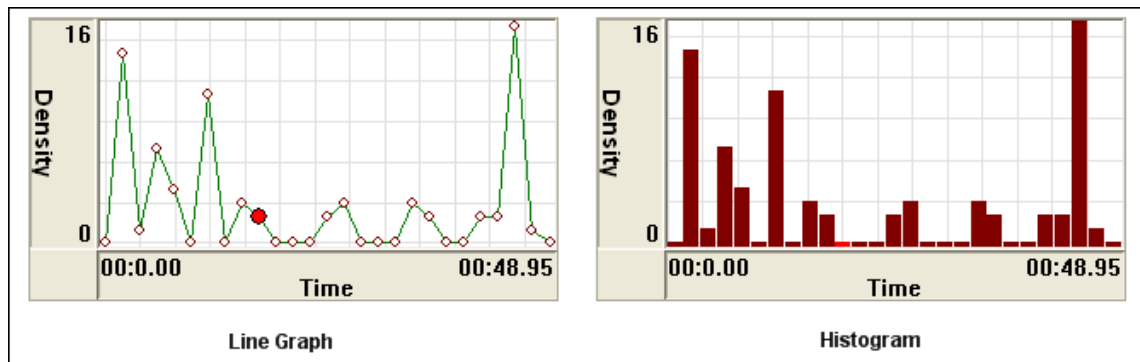
Right-click on the List View, and choose **Export Results** from the context menu. The *Export Data To* dialog will appear. Choose a location and name for the file (a .csv file) and click **Save**.

To export only certain results:

1. Select your results either by **Shift**-clicking or **CTRL**-clicking on the desired results.
2. Right-click on the List View, and choose **Export Selected Results** from the context menu. The *Export Data To* dialog will appear.
3. Choose a location and name for the file and click **Save**.

Graph View

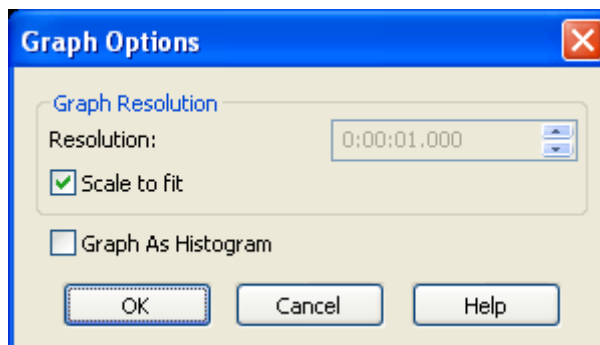
In the Graph View, the results of your search will appear as a density graph, in either line or histogram format, depending on the option you choose in the *Graph Options* dialog box. The Graph View illustrates the distribution of your search results over time. At a glance, you can see where activity occurred and, sometimes more importantly, where there was no activity at all.



The x-axis of the graph is **Time**, which is the duration of the entire recording or the section of the recording you searched in. The y-axis is **Density**, which is the number of events that occurred at any point in time. Each circle (on a line graph) or bar (on a histogram) marks the number of events that occurred at that sampling point in time. The sampling rate, which is the space between circles or the width of each bar, is determined by the resolution (or scale) of the graph.

Graph Options

The *Graph Options* dialog box contains all of the options to customize your graph view. To access the *Graph Options* dialog box, right-click on the graph view and choose **Graph Options**, or choose **Search > Graph Options** from the menu bar.

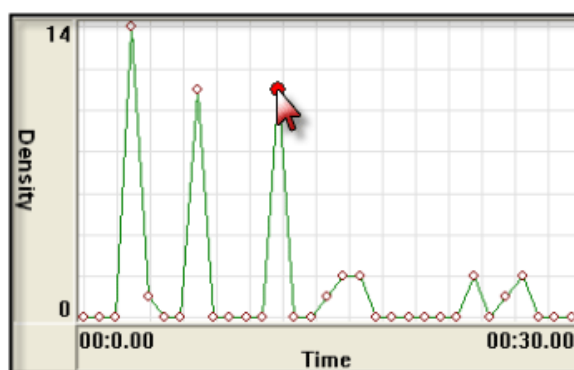


Within this dialog box, you have access to the following options:

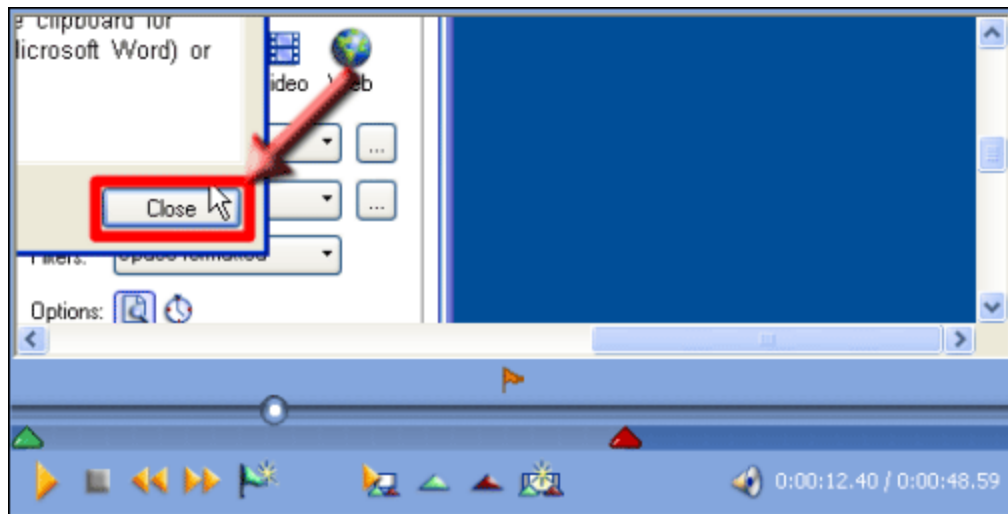
Scale to fit	By default, the resolution of the graph is set on Scale to fit . This means that <i>Manager</i> will automatically evenly distribute the number of sampling points per grid section as you resize the graph area. In general, Scale to fit results in an easier-to-read graph at any size.
Resolution	If you disable Scale to fit , the sampling points will be spaced by the Resolution you choose. Select a graph Resolution using the adjacent up and down arrows. A resolution of 1 second will sample the recording every second for the number of events that occurred.
Graph As Histogram	To change your graph view from a line graph to a histogram, choose the Graph As Histogram option. Uncheck this option to view the data once again as a line graph.

Graph View Navigation

To navigate through your results using the Graph View, simply click on any sampling point to view the first event for that sampling point, as shown:



The screen video and camera video will jump to that point in the recording. The event will be highlighted with a red box and an arrow in the *Player Window*:



Analyzing Recording Data Using Morae

The following scenario demonstrates how the combined functionality of *Morae's Search Editor* and *Search* pane can be used to conduct searches that meet your analysis goals.

Scenario: Making a Purchase on an Internet E-Commerce Site


You are conducting an evaluation of the e-commerce portion of a company's Web site that promises an easy online purchase and checkout process. Your goals are to find out the following:

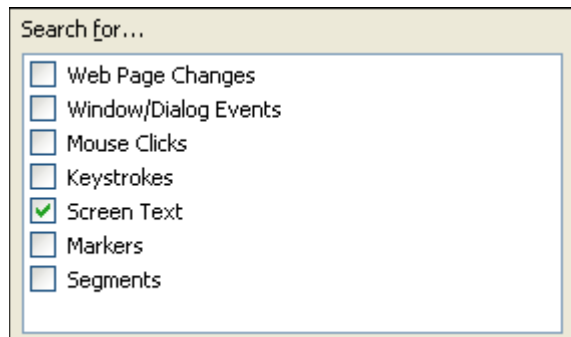
- The amount of time it takes the participant to get to the receipt page (time on task).
- The number of Web pages (and their URLs) the participant goes through to get to the receipt page.
- The number of clicks it takes for the participant to get through the purchase process.

Step 1: Finding the Task Start Point

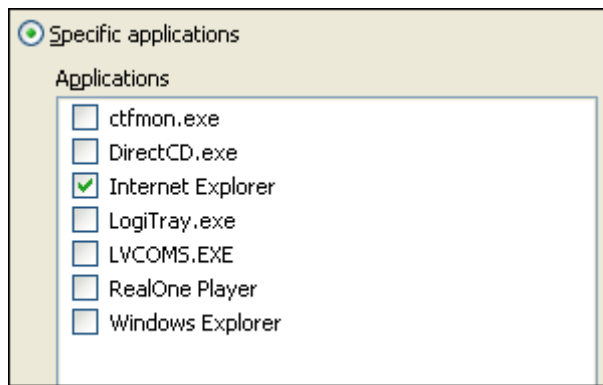
In this example, the task start point is when the user arrives at the first screen in the purchase process. You know that this page contains the text "Order TechSmith Products Online." Conduct a search for this screen text within the application Internet Explorer.

To conduct this search:

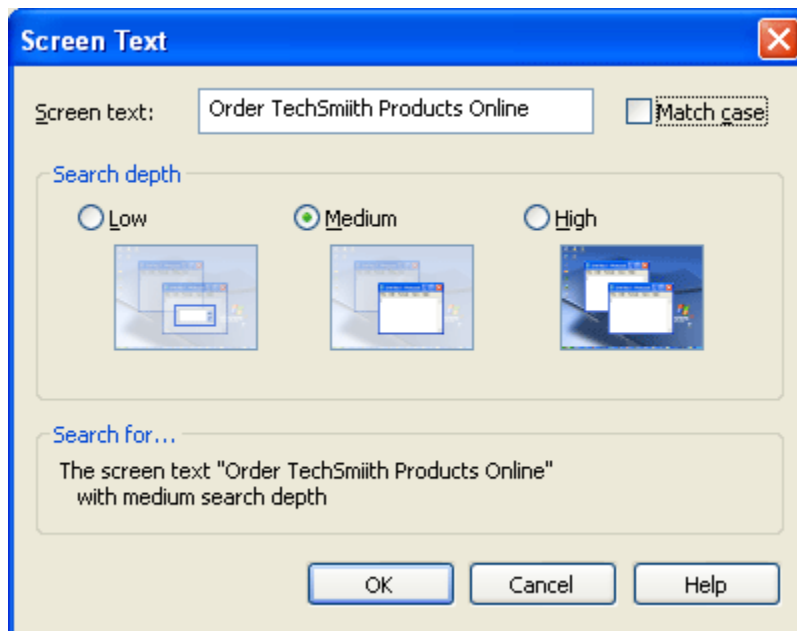
1. To select the entire recording as the time span for the search, click on the recording in the *Project* pane.
2. In the *Search* pane, click the **Search** button.  The *Search Editor* appears.
3. In the *Search for* pane, place a checkmark next to the **Screen Text** option:



4. In the *Search profile* pane, click the applications link. The *Applications* dialog box will appear.
 - Choose the **Specific applications** radio button.



- Place a checkmark next to **Internet Explorer**.
 - Click **OK**.
5. In the *Search profile* pane, choose the **screen text** link. The *Screen Text* dialog box will appear. Within this dialog:
- Type the text "Order TechSmith Products Online" in the **Screen Text** field.



- Leave the **Search Depth** set to **Medium**.
 - Choose **OK**.
6. Choose **Search Now** to conduct the search and view your results. This will tell you exactly where your defined task began in the recording:

Search results for: Online Store 2 - Entire recording

Elapsed ...	Event	Screen Text	Search Depth	Application	Time/Date
0:00:10.00	Screen Text	Order TechSmith Products Online	low	Internet Explorer	14:09:07
0:00:14.20	Screen Text	Order TechSmith Products Online	low	Internet Explorer	14:09:11
0:00:14.20	Screen Text	Order TechSmith Products Online	low	Internet Explorer	14:09:11

Search... View Metrics Selected Duration: 0:00:00.000

Note: Particularly in screen text searches, you may get results that appear identical, even with the **Search Depth** set on Low. The results are not actually identical to *Morae*, because the application processes minute differences in time and screen content that are imperceptible to the human researcher. For research purposes, identical results can be considered equally valid.

7. Select the start point in the list of results, and the video will jump to that point. You will see the text you searched for highlighted in the *Player Window*:

Recording - Online Store 2

TechSmith Corporation - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media AutoFill Options

Address http://webtest.techsmith.com/store/default.asp

Google w.webtest.techsmith.com Search Web 853 blocked

TechSmith®

Products Purchase Download Support

Order TechSmith Products Online

Select your Country:

PLEASE SELECT Update

0:00:00.00 0:01:53.98 0:00:10.00 / 0:01:53.98

Search results for: Online Store 2 - Entire recording

Elapsed ...	Event	Screen Text	Search Depth	Application	Time/Date
0:00:10.00	Screen Text	Order TechSmith Products Online	low	Internet Explorer	14:09:07
0:00:14.20	Screen Text	Order TechSmith Products Online	low	Internet Explorer	14:09:11
0:00:14.20	Screen Text	Order TechSmith Products Online	low	Internet Explorer	14:09:11

Search... View Metrics Selected Duration: 0:00:00.000


8. Having found the start point, choose the **Set In Point** button  to mark this as your **In Point** for the Segment.

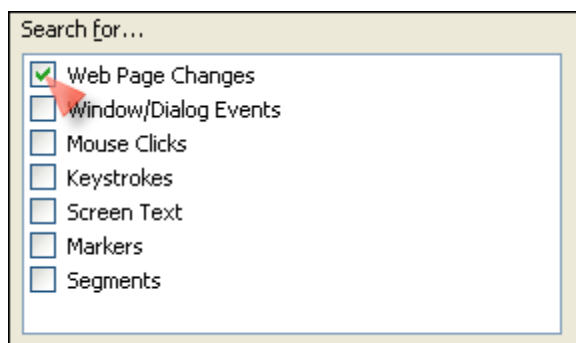
Step 2: Finding the Task End Point

Next, find the task end point, which is the receipt page. You know that the receipt page has the text “Thank you for shopping at TechSmith” at the top of it. So, you could perform a screen text search for this phrase in the application Internet Explorer, using the process outlined in *Step 1: Finding the Task Start Point*.

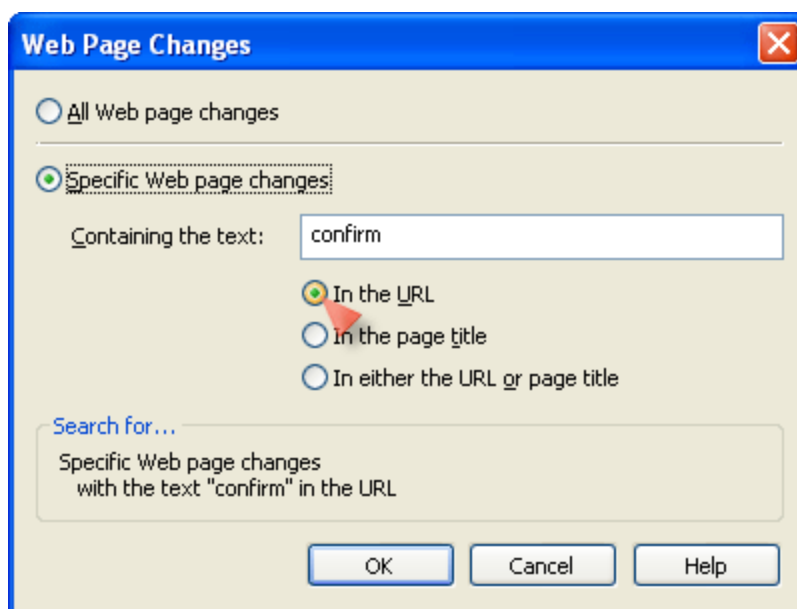
But, if you also know that the receipt page has the text “confirm” in its URL, then you could alternatively use a Web page changes search to find the task end point. The following example will demonstrate this search technique.

To conduct this search:

1. Your time span for the search should still be set to the entire recording. If it is not, click on the recording in the *Project* pane to select it.
2. In the *Search* pane, click the **Search** button.  The *Search Editor* appears.
3. In the *Search for* pane, click the **Web Page Changes** option.



4. In the *Search profile*, choose the Web page changes link. The *Web Page Changes* dialog box appears:



Within this dialog:

- Choose the **Specific Web page changes** radio button.
- Enter the word “confirm” in the Containing the text field.
- Choose the **In the URL** radio button.
- Click **OK**

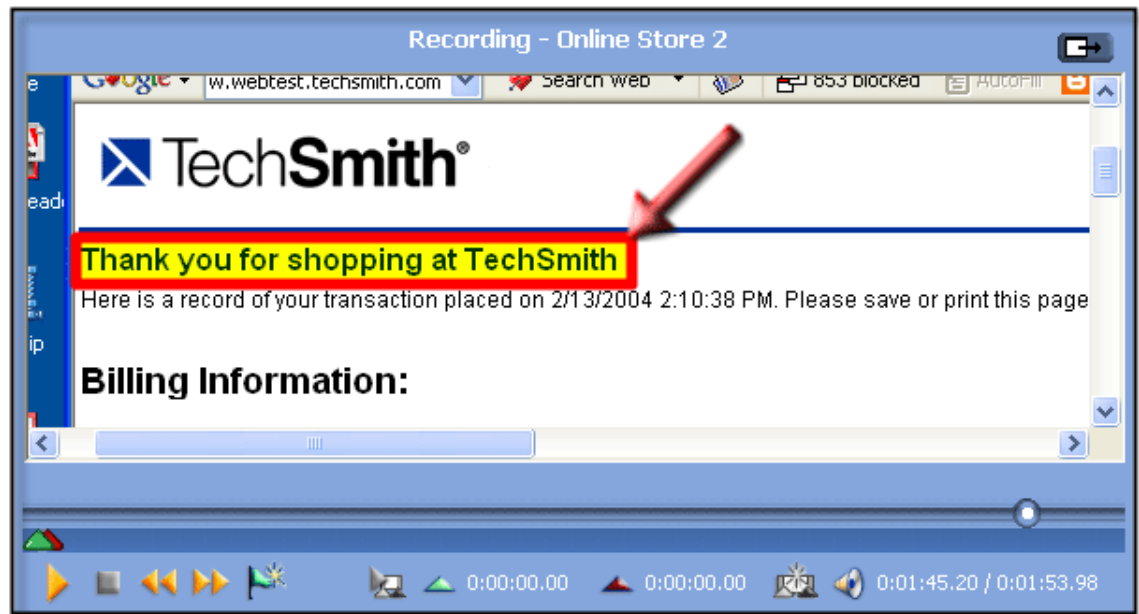
5. Choose **Search Now** to conduct the search and view your results. This will tell you exactly where your defined task ended in the recording:

Search results for: Online Store 2 - Entire recording

Elapsed Time	Event	Application	Time/Date	URL
0:01:45.60	Web Page Changes	Internet Explorer	14:10:43 / Feb 13, 2004	https://webtest.techsmith.co...


Search... View Metrics Selected Duration: 0:00:00.000 Number of Events: Total: 1

6. Select the end point in the list of results, and the video will jump to that point. You will see the text you searched for highlighted in the *Player Window*:

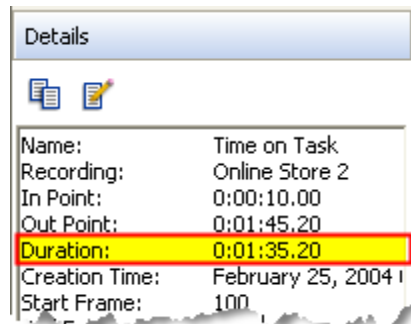


7. Having found the end point, choose the **Set Out Point** button  to mark this as your **Out Point**.

Step 3: Calculating Time on Task

1. Now that you have your **In Point** (at the task start point) and **Out Point** (at the task out point) set, click the **Create Segment** button . This will open the *Segment Details Options* dialog box.
2. Name this Segment “Time on Task” and enter a text description, if you wish.
3. Choose **OK** to create the Segment.
4. When you select the “Time on Task” Segment in the *Project* pane, the **Duration** of the Segment will be shown in the *Details* pane. This duration is the time on task.


In this example, the time on task was 1 minute and 35 seconds:

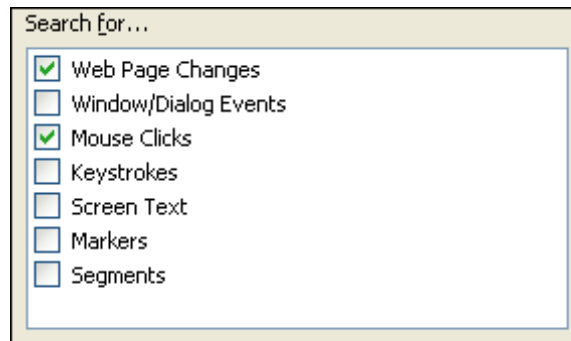


Step 4: Calculating the Number of Mouse Clicks and Web Page Changes

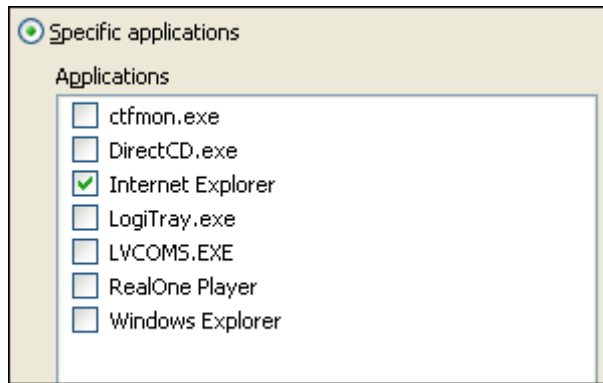
Perform a search for the Mouse Clicks and Web Page Changes that occurred during the “Time on Task” Segment.

To conduct this search:

1. In the Project pane, select the “Time on Task” Segment you just created. This will be the time span for your search.
2. In the *Search* pane, click the **Search** button . The *Search Editor* will appear.
3. In the *Search for* pane, place a checkmark next to **Mouse Clicks** and **Web Page Changes**:



4. In the *Search profile* pane, click the **applications** link. The *Applications* dialog box will appear. Within this dialog:
 - Choose the **Specific applications** radio button.



- Place a checkmark next to **Internet Explorer**.
 - Click **OK**.
5. Choose **Search Now** to conduct the search and view your results. The results will be listed sorted by elapsed time, not by Event.
 6. To separate the results into groups by Event type, click on the *Event* column title bar once. This will group the results into **Web Page Changes** and **Mouse Clicks**.
 7. Select the top Web Page Change in the list, then **SHIFT + click** on the last Web Page Change.

Search results for: Online Store 2 - Time on Task

Search...

View

Metrics

Selected Duration:
0:01:34.000

Number of Events:

Total: 33

Selected: 9

Elapsed Time	Event	URL	Page Title	Clicks
0:00:10.20	Web Page Changes	http://webt...	TechSmith C...	
0:00:14.40	Web Page Changes	http://webt...	TechSmith C...	
0:00:16.40	Web Page Changes	http://webt...	TechSmith C...	
0:00:22.40	Web Page Changes	http://webt...	TechSmith C...	
0:00:29.20	Web Page Changes	http://webt...	TechSmith - ...	
0:00:32.40	Web Page Changes	https://webt...	TechSmith - ...	
0:01:14.40	Web Page Changes	https://webt...	TechSmith - ...	
0:01:16.80	Web Page Changes	https://webt...	TechSmith - ...	
0:01:44.20	Web Page Changes	https://webt...	TechSmith - ...	
0:00:12.60	Mouse Clicks			L Butt
0:00:13.60	Mouse Clicks			L Butt
0:00:15.60	Mouse Clicks			L Butt

The *Metrics* area will show that there were 9 Web page changes in the selected group. The URLs for the Browser events are shown in the *URL* column.

8. Next, select the top Mouse Clicks event in the list, then **SHIFT + click** on the last Mouse Clicks event.

Search results for: Online Store 2 - Time on Task

Search...	Elapsed Time	Event	Clicks	Application	Time/Date	URL
View	0:00:12.60	Mouse Clicks	L Button Down	Internet Explorer	14:09:10 / Feb 13, 2004	
	0:00:13.60	Mouse Clicks	L Button Down	Internet Explorer	14:09:11 / Feb 13, 2004	
	0:00:15.60	Mouse Clicks	L Button Down	Internet Explorer	14:09:13 / Feb 13, 2004	
	0:00:20.60	Mouse Clicks	L Button Down	Internet Explorer	14:09:18 / Feb 13, 2004	
	0:00:22.00	Mouse Clicks	L Button Down	Internet Explorer	14:09:19 / Feb 13, 2004	
	0:00:28.00	Mouse Clicks	L Button Down	Internet Explorer	14:09:25 / Feb 13, 2004	
	0:00:31.20	Mouse Clicks	L Button Down	Internet Explorer	14:09:29 / Feb 13, 2004	
	0:00:33.00	Mouse Clicks	L Button Down	Internet Explorer	14:09:30 / Feb 13, 2004	
	0:00:40.20	Mouse Clicks	L Button Down	Internet Explorer	14:09:38 / Feb 13, 2004	
	0:00:42.60	Mouse Clicks	L Button Down	Internet Explorer	14:09:40 / Feb 13, 2004	
	0:00:53.00	Mouse Clicks	L Button Down	Internet Explorer	14:09:50 / Feb 13, 2004	
	0:00:54.40	Mouse Clicks	L Button Down	Internet Explorer	14:09:52 / Feb 13, 2004	
	0:00:55.80	Mouse Clicks	L Button Down	Internet Explorer	14:09:53 / Feb 13, 2004	
	0:01:01.60	Mouse Clicks	L Button Down	Internet Explorer	14:09:59 / Feb 13, 2004	
	0:01:09.80	Mouse Clicks	L Button Down	Internet Explorer	14:10:07 / Feb 13, 2004	
	0:01:13.40	Mouse Clicks	L Button Down	Internet Explorer	14:10:11 / Feb 13, 2004	
	0:01:16.00	Mouse Clicks	L Button Down	Internet Explorer	14:10:13 / Feb 13, 2004	
	0:01:18.40	Mouse Clicks	L Button Down	Internet Explorer	14:10:16 / Feb 13, 2004	
	0:01:19.00	Mouse Clicks	L Button Down	Internet Explorer	14:10:16 / Feb 13, 2004	
	0:01:19.60	Mouse Clicks	L Button Down	Internet Explorer	14:10:17 / Feb 13, 2004	
	0:01:31.20	Mouse Clicks	L Button Down	Internet Explorer	14:10:29 / Feb 13, 2004	
	0:01:37.20	Mouse Clicks	L Button Down	Internet Explorer	14:10:35 / Feb 13, 2004	
	0:01:38.40	Mouse Clicks	L Button Down	Internet Explorer	14:10:36 / Feb 13, 2004	
	0:01:39.80	Mouse Clicks	L Button Down	Internet Explorer	14:10:37 / Feb 13, 2004	
	0:00:10.20	Web Page Changes		Internet Explorer	14:09:07 / Feb 13, 2004	http://webt...

Metrics
Selected Duration: 0:01:27.200
Number of Events:
Total: 33
Selected: 24

The *Metrics* area will show that there were 24 Mouse Clicks in the selected group. The button that was clicked is listed in the Clicks column.

In this example, it took the participant 9 Web Page Changes and 24 Mouse Clicks to get to the receipt page.

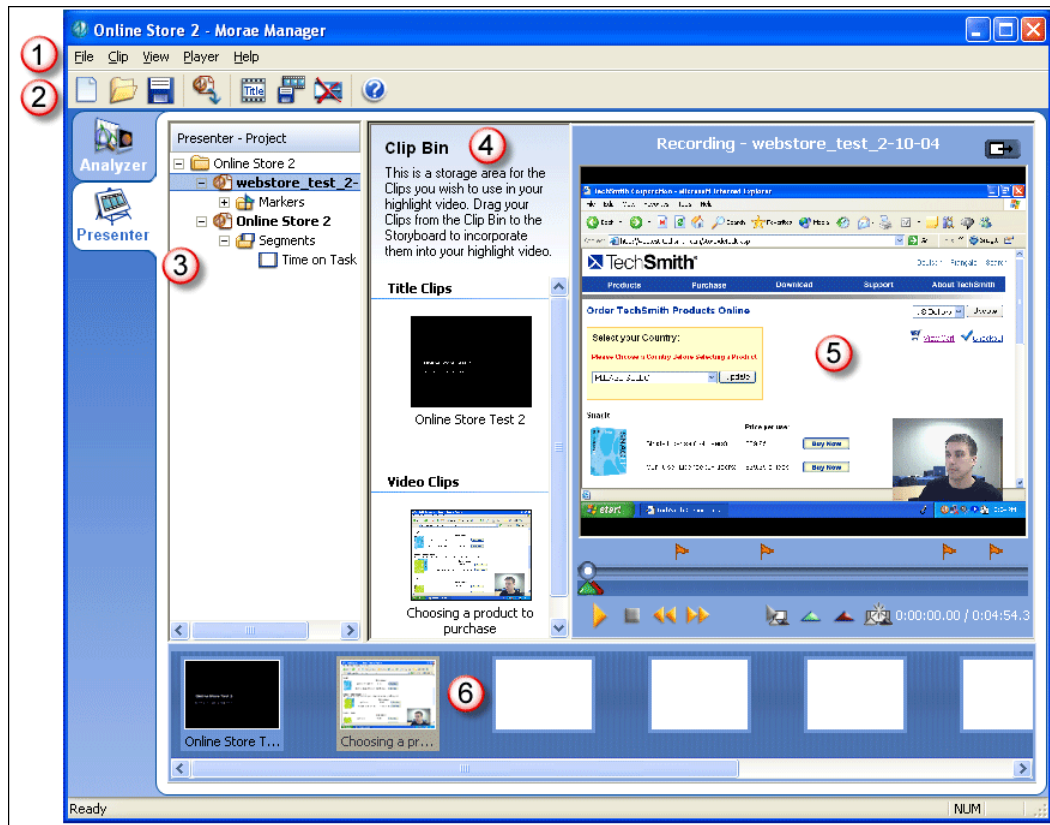
That's it! You have all of the information you need for your analysis.

Note: You can save your search profiles for repeated use. For more information, see *Working with Search Profiles*.

Getting Familiar with Manager's Presenter Tab

When you are ready to organize the results of your analysis into a video for presentation, select *Manager's Presenter* tab. You can still view all of the recordings and the Segments that you created previously. But now, using the *Presenter* tab's *Clip Bin* and *Storyboard*, you can create and edit Video Clips from those recordings or Segments. You can also create Title Clips, which can be used to introduce the Video Clips. Finally, you can organize your Clips into a video presentation, which can be produced as an AVI or WMV file.

Presenter tab's interface is illustrated in the figure below.



- 1 **Menu Bar.** The menu bar gives you access to all of *Presenter* tab's options.
- 2 **Toolbar.** The toolbar gives you quick access to *Presenter* tab's most commonly used options. For more information, see *Presenter Tab's Toolbar Options*.
- 3 **Project Pane.** This pane allows you to navigate through recordings, Segments, and Markers.
- 4 **Clip Bin.** This area allows you to store and organize the Title and Video Clips you create for possible use in your video. For more information, see *Presenter Tab's Clip Bin*.
- 5 **Player Window.** This area displays the screen video from the selected recording, Segment, Marker, or Clip. For more information, see *Presenter Tab's Player Window*.
- 6 **Storyboard.** This area lets you organize Clips in the desired order for your highlight video. For more information, see *Presenter Tab's Storyboard*.

Creating a Highlight Video

This section covers the basic information you'll need to create your first highlight video, including creating and editing Video and Title Clips, working with the camera video Picture in Picture (PIP), using the *Storyboard* to arrange your Clips in the desired order, and producing the final highlight video in either AVI or WVM format. The following topics are covered:

- Creating and Editing Video Clips
- Working with the Picture-In-Picture (PIP) Feature
- Creating and Editing Title Clips
- Adding Audio Annotation to Video and Title Clips
- Using the Storyboard
- Previewing the Highlight Video
- Producing the Highlight Video







Creating and Editing Video Clips

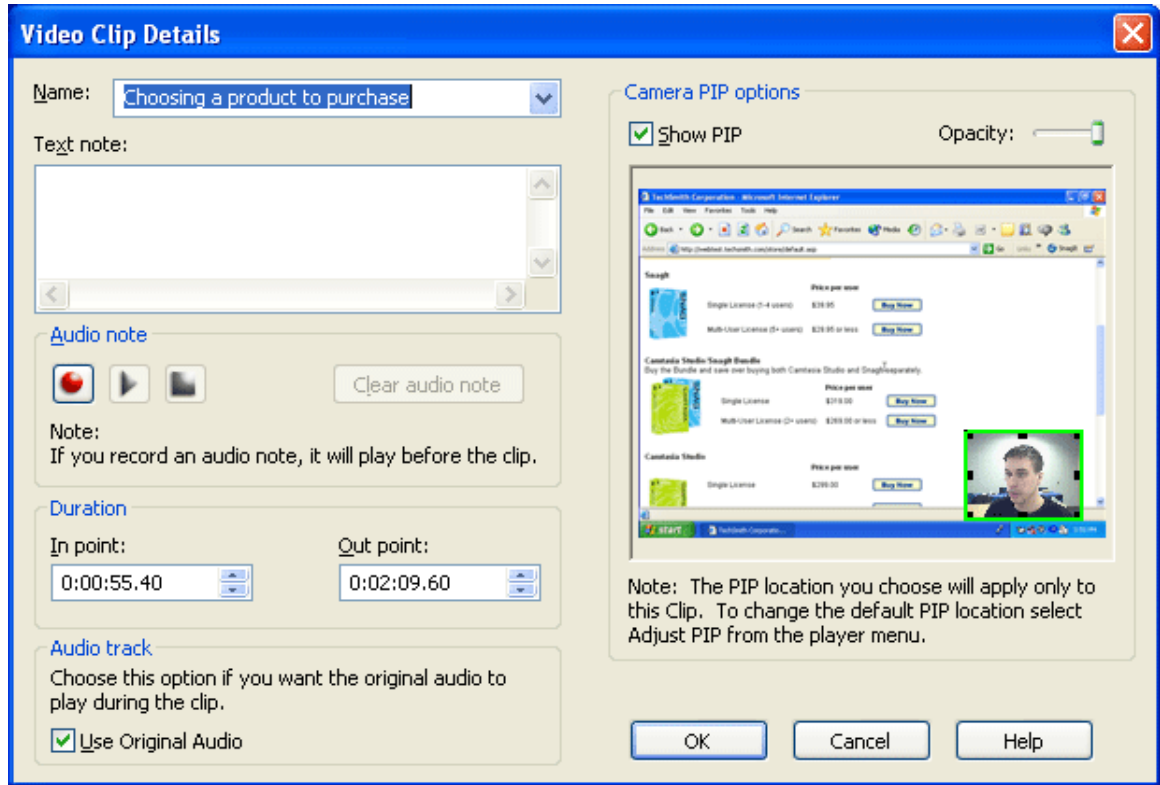
Your highlight video will be composed of a series of Video Clips arranged on the *Storyboard*. Within the *Presenter* tab, you can create Video Clips of important video and audio data by doing any of the following:

- Dragging existing Segments to the *Clip Bin* or *Storyboard*.
- Clipping sections from an entire recording.
- Clipping smaller sections from an existing Segment.

Note: The Video Clips you create in the *Presenter* tab *do not alter the original session recordings*. Video Clips are simply copies of selected sections of the Segment or recording that you wish to include in your final highlight video.

To Create a Video Clip

1. In the *Project* pane, choose the desired recording or Segment by clicking once on your selection.
2. Use the *Player* controls and the seek bar to locate the frame that you want to be the starting point for your Video Clip.
3. Choose the **Set In Point** button  to designate this frame as the beginning of the Video Clip.
4. Continue to seek through the video until you locate the frame that you want to be the ending point of your Clip.
5. Choose the **Set Out Point** button  to select this frame as the end of the Video Clip.
6. View your selection from beginning to end by choosing the **Play In to Out Points** button. 
7. Make any adjustment to the **In** and **Out Points** by clicking and dragging the **In Point**  or **Out Point**  arrows along the seek bar.
8. When you are satisfied with your selection, choose the **Create Clip** button. 
9. The *Video Clip Details* dialog box will appear. This dialog box contains options that allow you to **Name** the Clip, add a **Text note** and/or **Audio note**, position the **Camera PIP** at the desired location over the screen video, and choose whether to use the original **Audio track**.



For more information about the options in this dialog box, see *Video Clip Details Options*.

10. Choose **OK** to create the Video Clip and exit the dialog box.
11. The Video Clip will be added to the Clip Bin.

Note: If you hover over a Video Clip in the *Clip Bin*, a tool tip will appear to tell you the name of the Clip and its duration.

To Edit a Video Clip

1. Right-click on the Video Clip in the *Clip Bin* or on the *Storyboard*.
2. Choose Edit Clip from the context menu that appears. The *Video Clip Details* dialog box will open.
3. Make the desired changes to the options in this dialog box. For more information about these options, see *Video Clip Details Options*.
4. Choose **OK** to accept the edits and exit the dialog box.

Note: Edits made to a Clip on the *Storyboard* will not be applied to the copy of that Clip in the *Clip Bin*.

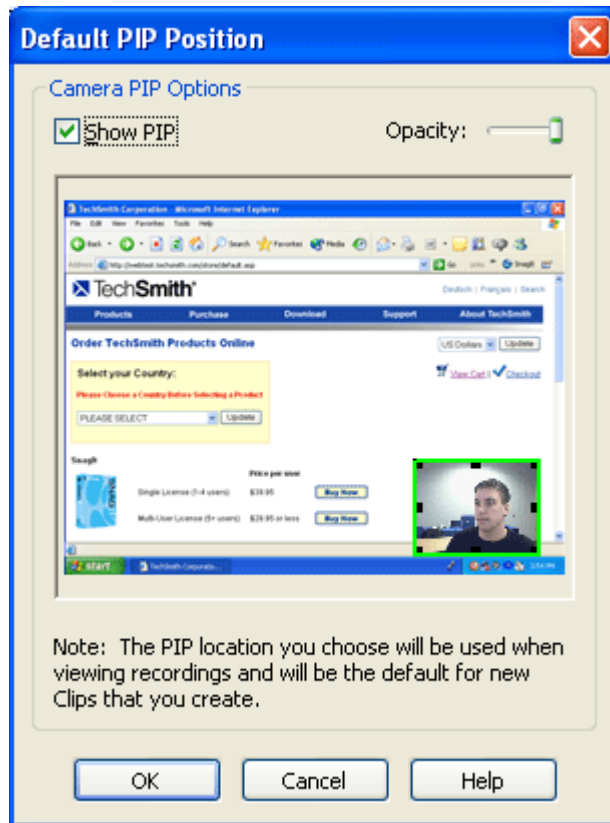
Working with the Picture-In-Picture (PIP) Feature

For each Video Clip that has corresponding camera video, you can choose whether to include that video as a Picture in Picture (PIP) image over the screen video. And the camera video PIP feature is flexible, so you can use a set PIP location and size for every Video Clip in the highlight video, or you can customize the PIP location and size on a Clip-by-Clip basis.

Setting a Default Camera Video PIP Location and Size

The options in the *Default PIP Position* dialog box allow you to select camera video PIP options that will apply to all new Video Clips that you create from a particular Segment or recording. In this box, you can choose to show or hide the camera video PIP and also determine the default location of the camera video PIP over the screen video.

1. Select a Segment or recording in the *Project* pane.
2. Choose **Player > Adjust PIP**. The *Default PIP Position* dialog box appears:



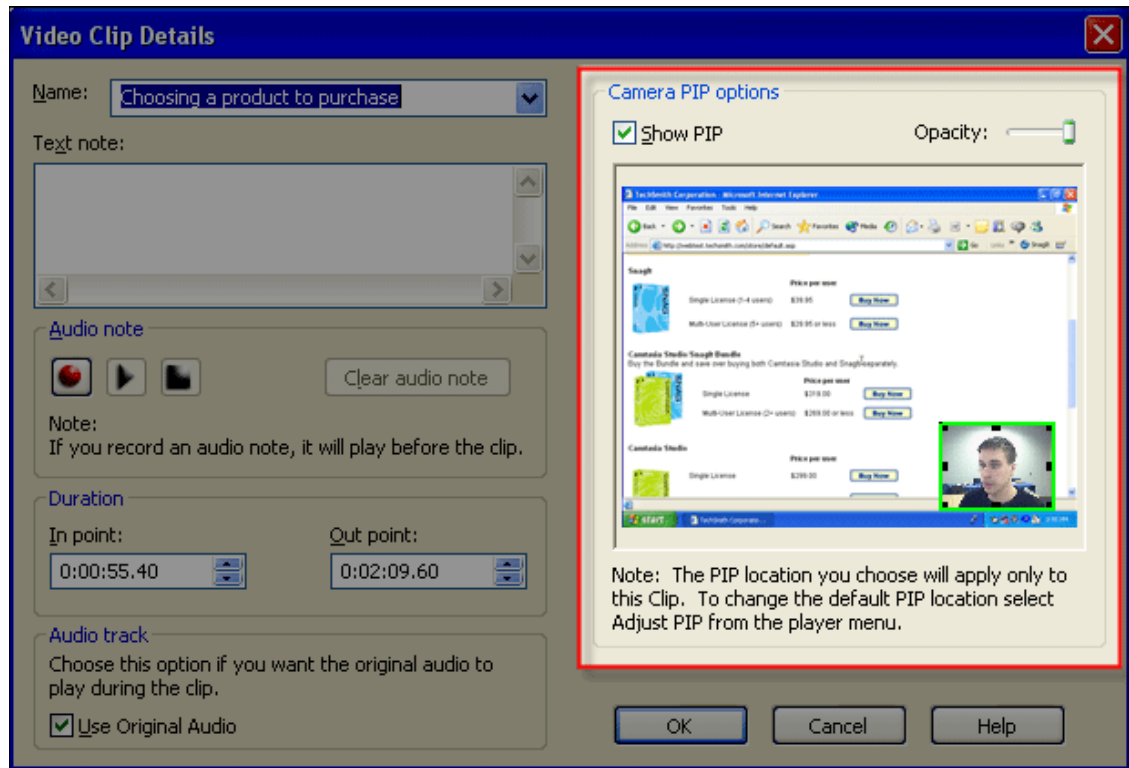
3. To include the PIP over all Video Clips, place a checkmark in the **Show PIP** box. Remove the checkmark to hide the PIP for all Video Clips.
4. Use the **Opacity** slider to adjust the transparency of the PIP image over the screen video image.
5. Preview the appearance, size, and location of the PIP in the preview area. To reposition the PIP, click on the green PIP square and drag it to a new location.
6. To resize the PIP, grab the handles on the PIP square and drag them to make the PIP larger or smaller relative to the screen video.
7. When you are satisfied with your change, choose **OK**.

The PIP size and location you have set will become the default for any new Video Clips, unless you change them on a Clip-by-Clip basis, as described in the next section.

Customizing an Individual Video Clip's PIP Location and Size

Although there is a default camera PIP location and size for Video Clips, you can also customize these options on a Clip-by-Clip basis.

1. To change the *Camera PIP Options* for a specific Video Clip, right-click on the desired Video Clip in the *Clip Bin* or *Storyboard* and choose **Edit Clip** from the context menu that appears. The *Video Clip Details* dialog box will open.
2. On the right-hand side of the dialog box, you'll see the *Camera PIP options* group box:




3. The **Show PIP** option is enabled by default. Remove the checkmark to hide the PIP for this Video Clip.
4. Use the **Opacity** slider to adjust the transparency of the camera video PIP over the screen video image.
5. Preview the appearance, size, and location of the PIP in the preview area. To reposition the PIP, click on the green PIP square and drag it to a new location.
6. To resize the PIP, grab the handles on the PIP square and drag them to make the PIP larger or smaller relative to the screen video.
7. When you are satisfied with your changes, choose **OK**.

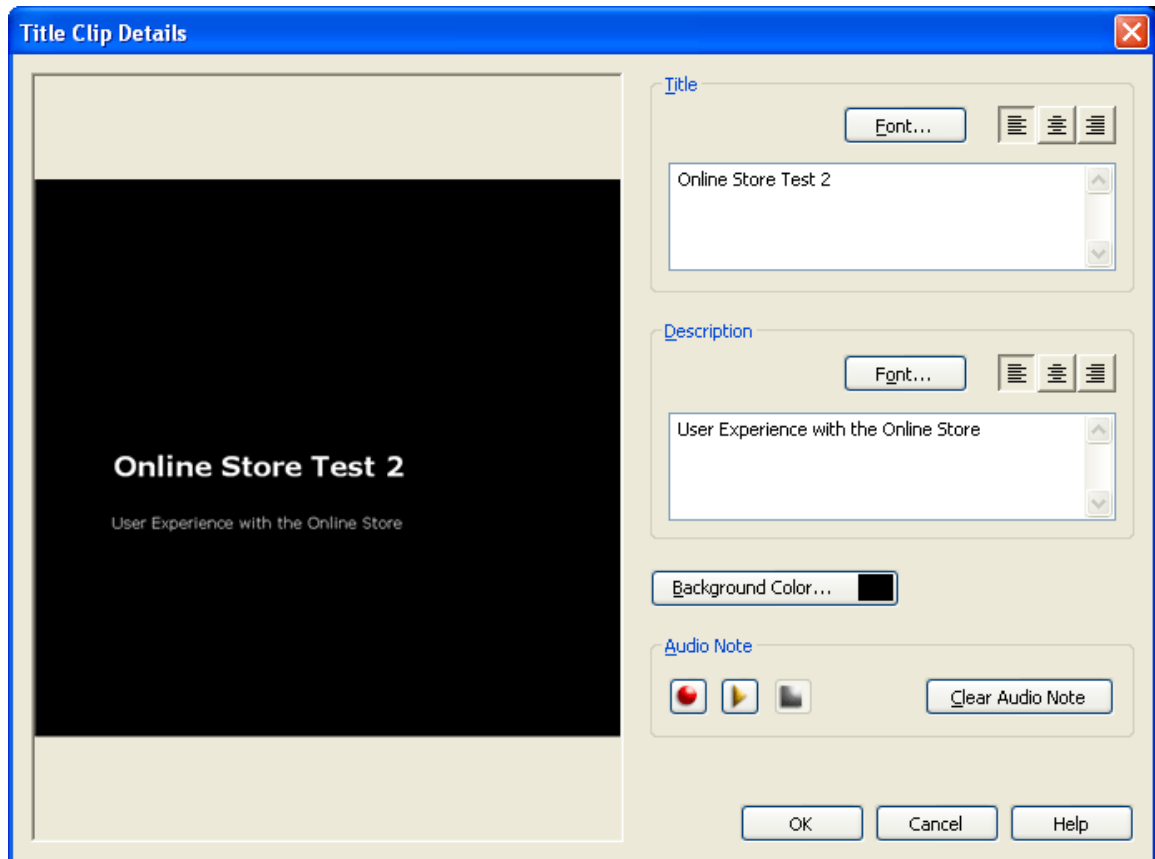
The PIP size, opacity, and location you have set will apply only to the selected Video Clip.

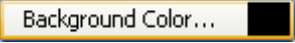



Creating and Editing Title Clips

In addition to Video Clips, you may want to include Title Clips in your highlight video. Title Clips can be used to introduce your video, or they can act as transitions between Video Clips. The color and text on the Title Clips is fully customizable, and you can also add audio narration, if you wish.

Creating Title Clips

1. Click the **Create Title Clip** button  or choose **Clip > Create Title Clip** from the menu bar. The *Title Clip Details* dialog box appears.



2. Type a **Title** in the box provided, and use the **Font** and alignment options in the *Title* group box to customize the appearance of the title text.
3. If desired, enter a **Description**, which will appear underneath the title. Use the **Font** and alignment options to customize the appearance of the text.
4. To change the color behind the text, which is black by default, click the **Background Color** button . Select the desired color from the *Color* dialog box (or use the **Define Custom Colors** button to choose a custom color). Choose **OK** to accept the color you've chosen and exit back to the *Title Clip Details* dialog box.
5. To record an Audio Note that will play with the Title Clip, click the **Record** button . Choose the **Stop** button  when you are done recording. Choose the **Clear Audio Note** button  to clear an existing note. For more information, see
6. *Adding Audio Annotation to Video and Title Clips.*

7. When you are satisfied with the appearance and sound of the Title Clip, choose **OK** to create the Title Clip.

The new Title Clip will appear in the *Clip Bin*. To use it, drag it to the desired location on the *Storyboard*.

Editing Title Clips

1. Right-click on the desired Title Clip.
2. Choose **Edit Clip** from the context menu. The *Title Clip Details* dialog box will appear.
3. Make the desired changes to the options in this dialog box. For more information about these options, see *Title Clip Details Options*.
4. Choose **OK** to accept the edits and exit the dialog box.

Adding Audio Annotation to Video and Title Clips

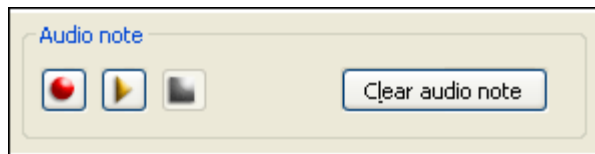
You can add an audio note to any Video or Title Clip. Audio notes can be added either when you create the Clip using the **Create Clip** option, or when you edit the Clip using the **Edit Clip** option. By default, the system microphone is used for audio notes in *Manager*. For information about how to select a different microphone, see *Microphone Volume*.





Audio notes that were added to Segments in the *Analyzer* tab will carry through to the *Presenter* tab. If you create a Video Clip from a Segment that already had an audio note, when you move the Clip to the *Storyboard*, the audio will move with it. If you do not want that audio note to be included in your highlight video, you can clear it and/or record another audio note within the *Video Clip Details* dialog box.

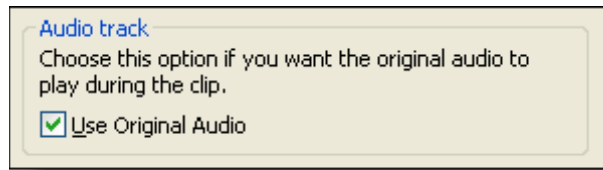
Note: There are two possible audio tracks for any Video Clip: the *original audio track* that came from the recording and the *audio note track* that you intentionally recorded. The original audio track from the recording will play *during* the Video Clip. The audio note track will play *prior to* the Video Clip (the Video Clip will remain still until the audio note track has finished playing).

To Add an Audio Note to a Video or Title Clip

1. Right-click on the Video or Title Clip in the *Clip Bin* or *Storyboard*, and choose **Edit Clip**.
2. In the *Video Clip Details* or *Title Clip Details* dialog box, find the *Audio note* group box:



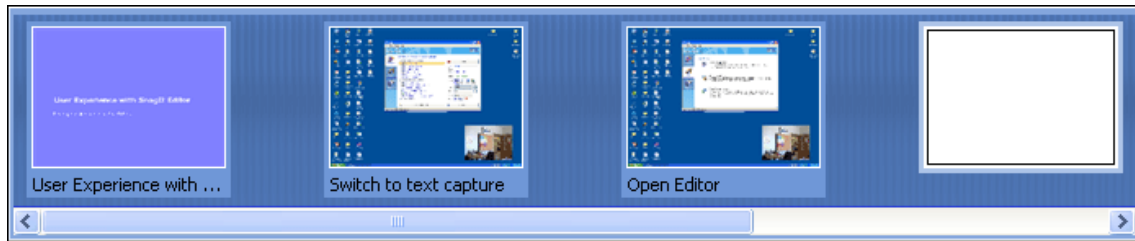
3. Click the **Record** button  to begin recording the audio note.
4. When the recording is complete, click the **Stop** button. 
5. The **Play** button  will now be enabled; choose it to playback your audio note.
6. To clear an audio note, choose the **Clear audio note** button . The note will be erased immediately.
7. Choose **Use Original Audio** if you want the original audio from the recording to play during the Clip. Disable this option to play silence during the Clip.



8. Choose **OK** to exit the *Details* dialog box.

Using the Storyboard

Once you have created your Clips, which are now in the *Clip Bin*, you can begin to create your highlight video. The *Storyboard* is the area you will use to organize the Title and Video Clips in the desired order for your highlight video.



To arrange the Video and Title Clips on the *Storyboard*, select a Clip from the *Clip Bin* and drag it onto the *Storyboard*. The first frame of a Video Clip will appear as a thumbnail image on the *Storyboard*. If you edit a Clip while it is on the *Storyboard*, the changes will not affect the copy in the *Clip Bin*.

- **To show a particular Clip more than once**, drag it repeatedly from the *Clip Bin* onto the Storyboard.
- **To insert a Clip** before another Clip, simply drop it on top of the one you would like it to precede.
- **To move a Clip** that is already on the *Storyboard*, simply click and drag it to the desired position.


Note: For easy access to Clip-related menu options, right-click on a specific Clip. Context menu options include: **Play Clip**, **Edit Clip**, **Remove Clip from Storyboard**, and more.

Previewing the Highlight Video

Once you have arranged your Video and Title Clips in desired order for your highlight video, you are ready to create the video. However, before producing the final highlight video, you can use the **Preview Highlight Video** option to see and hear how your highlight video will playback. Choose **Player > Preview Highlight Video** (or right-click on the *Storyboard* and choose **Preview Highlight Video**) to play the Clips in their current order on the *Storyboard*.

Producing the Highlight Video

Once you have organized your Video and Title Clips on the *Storyboard* and have previewed the highlight video, you can move on to the video production process. This process, also called “rendering,” assembles the audio and video into one video file based on the sequence you have established on the *Storyboard*.

To begin, from the *Presenter* tab choose the **Produce Highlight Video** button , or choose **File > Produce Highlight Video**. This will open the *Production Wizard*, which will lead you through the three-step production process.

Step 1: Choose Video Encoding Options

The first screen in the *Production Wizard* is the *Video Encoding Options* dialog box. The options in this dialog box allow you to determine how the video will be compressed during production.

There are three video compression options. Choose the option that best fits your production situation:

- **Full Motion Video** (produces a WMV file) — This option provides a good compromise between file size and video quality. For more information, see *Full Motion Video Default Settings*.
- **Lossless Video** (produces an AVI file) — This option provides the highest quality video, but may increase the size of your recording file, especially if the video contains areas with a lot of motion, such as Picture in Picture (PIP). For more information, see *Lossless Video Default Settings*.
- **Custom** (produces an AVI file) — This option allows you to completely customize your production configuration. For more information, see *Custom Settings Options*.

For more detailed information about the options in this dialog box, see *Video Encoding Options*.

Once you’ve made your selections, choose **Next** to continue.

Step 2: Choose a Video Size

The second screen in the *Production Wizard* is the *Video Size* dialog box. The options in this dialog box allow you to set the size of the produced highlight video. We recommend using the default setting, which is **Largest video size**. For more information about the options in this dialog box, see *Video Size Options*.

Once you have entered the desired options in this dialog, choose **Next** to continue.

Step 3: Produce the Video

The final step in producing a video is the actual rendering. This process assembles all of the audio, video, and images into one video file based on the sequence you have established on the *Storyboard*.

The *Produce Video* dialog box allows you to enter the destination folder name and file name for the video, and lets you choose the desired post-production options:

- Choose **Show production results** to see a summary of what happened during the production process.
- Choose **Play video after production** if you want your video to playback immediately.

Once you have set all of the *Produce Video* options, you are ready to start the rendering process. Within the *Produce Video* dialog box, click the **Finish** button. The rendering will begin immediately.

Viewing and Using the Production Results

Once the rendering is complete, if you enabled the **Show production results** option in the *Produce Video* dialog box, you will see the *Production Results* dialog box. This dialog box displays information about the video production process, including the files that were created, content duration, content file size, and the options used to produce the video.

After a review of the production results, you might decide to reduce the frame rate or target bitrate to see how it affects the content file size. Or, after review, you could change your production options, produce the content again, and then view the production results to determine whether you've achieved the desired file size.

Viewing the Video and Saving the Project

After review, to exit the *Production Results* dialog box, choose **Close**. After you choose **Close**, if you have opted to playback the video, the video will begin playing either in *Morae Player* (if it is an AVI file) or in Windows Media Player (if it is a WMV file). Once the video has played, close the player. You will return to *Manager*.

Note: Although you cannot save the contents of an individual *Storyboard*, you can use the **File >Save As** option to save the entire project with the *Storyboard* in a specific order.

Other Presentation Options

The *Presenter* tab gives you the tools to create a complete highlight video with Title Clips included. However, its features are also flexible enough to help you present your results through screenshots or by producing individual Video Clips to play within your presentation software (PowerPoint, for example).

This section will demonstrate the following techniques for communicating your *Morae* results:

- Capturing and Exporting Screenshots from a *Morae* Recording
- Producing Individual Video Clips from a *Morae* Recording
- Using Camtasia Studio to Enhance *Morae* AVIs

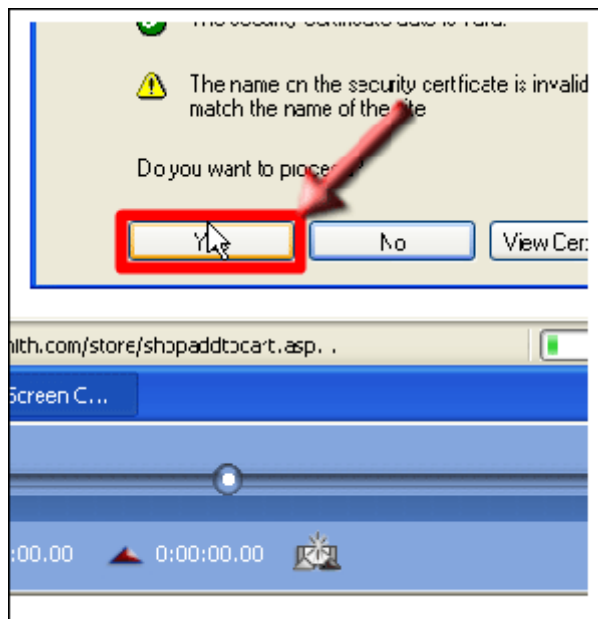
Capturing and Exporting Screenshots from a *Morae* Recording

You can capture three different types of screenshots from any *Morae* recording: screen video, camera video, or screen video with camera video PIP included (if recorded). This section will demonstrate the processes involved in capturing these screenshots.

How to Capture One Frame of Screen Video

1. Launch *Manager* and open your existing project.
2. Choose the *Analyzer* tab.
3. Using the seek bar or *Player* controls, locate the frame of screen video that you wish to capture and export.

Note: If you wish to capture the screen video of a highlighted event from an event or text search, you can conduct your search and select the result from the list. The highlighted result will appear in the *Player Window*, as shown here:

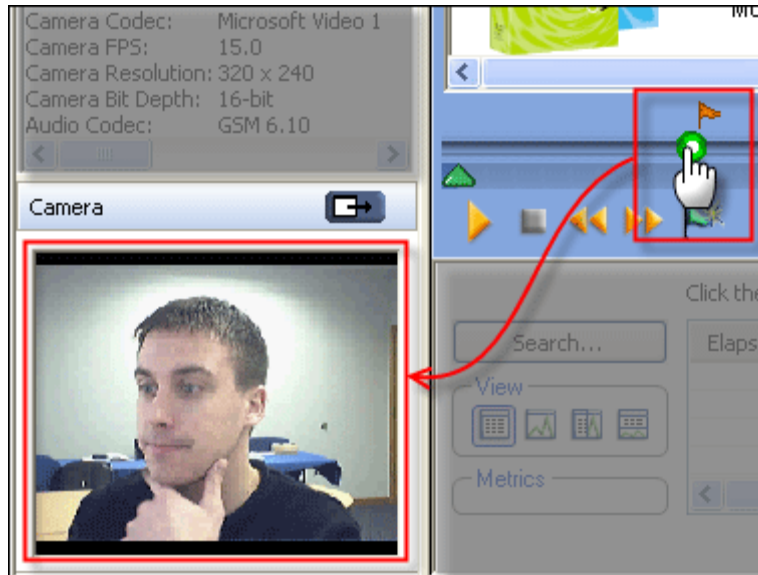


4. Choose **Player > Save Screen Video Frame As**.
5. The *Save As* dialog box appears. Name the video frame, and choose a location in which to save it.

6. The **Save as type** will be set to .bmp by default. Use the dropdown to change the file format, if desired.
7. Choose **Save**. The video frame is now available for use in your presentation.

How to Capture One Frame of Camera Video

1. Launch *Manager* and open your existing project.
2. Choose the *Analyzer* tab.
3. Using the seek bar or *Player* controls, locate the frame of camera video that you wish to capture and export.



Tip! If you wish to capture the camera video that corresponds directly to a search result, you can conduct your search and select the result from the list. The camera video will jump to that location in the recording.

4. Choose **Player > Save Camera Video Frame As**.
5. The *Save As* dialog box appears. Name the video frame and choose a location in which to save it.
6. The **Save as type** will be set to .bmp by default. Use the dropdown to change the file format, if desired.
7. Choose **Save**. The video frame is now available for use in your presentation.

How to Capture One Frame of Screen Video with Camera Video Picture-in-Picture (PIP)

1. Launch *Manager* and open your existing project.
2. Choose the *Presenter* tab.
3. Using the seek bar or *Player* controls, locate the frame of screen video with PIP that you wish to capture and export.
4. Choose **Player > Save Video Frame As**.
5. The *Save As* dialog box appears. Name the video frame and choose a location in which to save it.
6. The **Save as type** will be set to .bmp by default. Use the dropdown to change the file format, if desired.
7. Choose **Save**. The video frame is now available for use in your presentation.

Producing Individual Video Clips from a Morae Recording

You can create a Video Clip in the *Presenter* tab and produce it as an individual AVI or WMV file to embed in your presentation (into a PowerPoint presentation, for example). To do this, follow these steps:

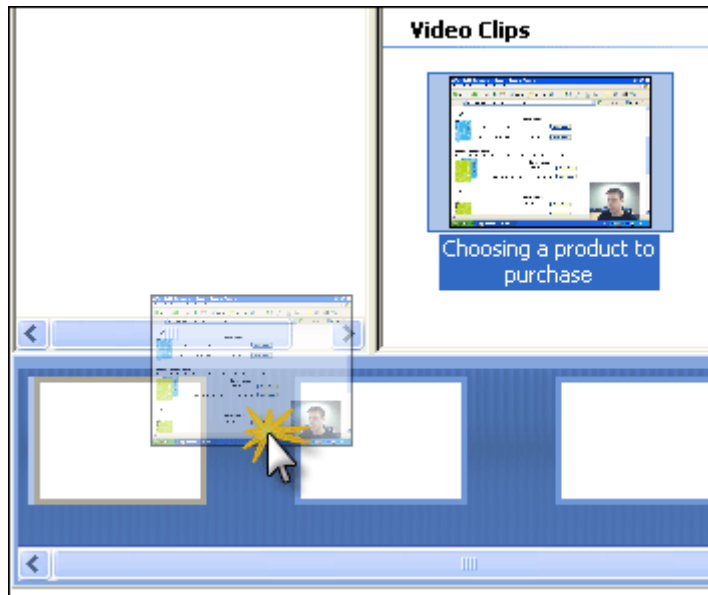
1. Launch *Manager* and open your existing project.
2. Choose the *Presenter* tab.
3. Create a new Video Clip or choose an existing Video Clip from the *Clip Bin*.
4. Clear the *Storyboard* by choosing **Clip > Clear Storyboard** or by clicking the **Clear Storyboard**



button from the toolbar.

Note: If you clear the *Storyboard*, your clips will remain in the *Clip Bin*, but the order you had them in on the *Storyboard* will not be saved.

5. Move the Video Clip to the *Storyboard*:



6. Choose **File > Produce Highlight Video** or click the **Produce Highlight Video** button



from the toolbar.

7. The *Production Wizard* will appear. Choose the desired option at the *Video Encoding Options* screen.
8. Choose **Next** at the *Video Size* screen.
9. At the *Produce Video* screen, designate a **Destination Folder** and **File name**, and then choose **Finish** to produce the Video Clip. It will be saved in the designated location as an AVI or WMV file, ready to be used in your presentation.

Using Camtasia Studio to Enhance Morae AVIs

Morae produces AVI files that can be imported into a sophisticated video editor like TechSmith's Camtasia Studio for further editing and enhancement.

Importing a Morae AVI File into Camtasia Studio

To create a new project and import an AVI:

1. Launch Camtasia Studio.
2. On the *Welcome* screen, choose the **Start a new project by importing media files** option.
3. Browse for the AVI file you wish to import, select it and choose **Open**.
4. The AVI file will appear in the *Clip Bin*.

To import the AVI into an existing project:

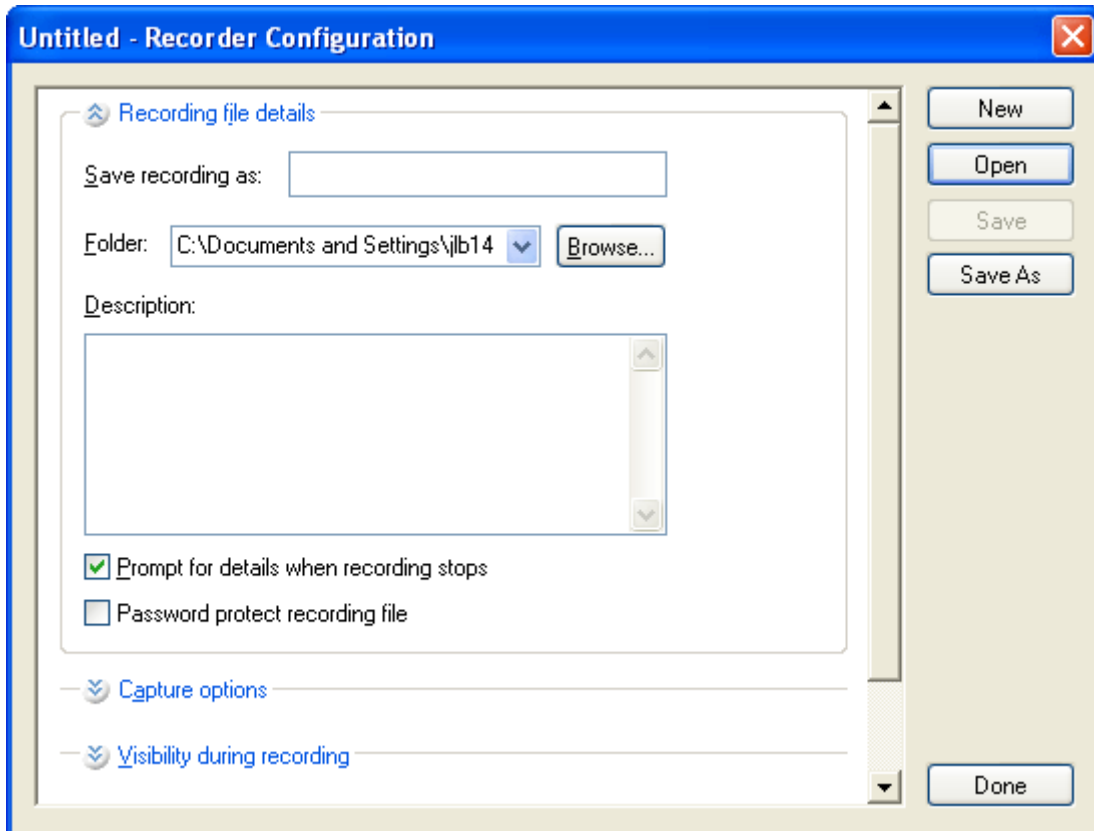
1. Open your existing project in Camtasia Studio.
2. Choose **Import video** from the *Task List*.
3. Browse for the AVI file you wish to import, select it and choose **Open**.
4. The AVI file will appear in the *Clip Bin*.

All of Camtasia Studio's powerful recording, editing and production options are now available for use with the newly imported AVI. For detailed information about Camtasia Studio's features, visit the TechSmith Web site at www.techsmith.com.

Creating a Configuration File for Recorder

You can use *Manager's Recorder Configuration* option to create a configuration file for *Recorder*, which can be exported to a portable disk or drive, or to a network location, and then opened by *Recorder*. You can also open and edit a previously saved configuration file.

In *Manager's Recorder Configuration* dialog box, you can preset all of the same options that can be configured directly in *Recorder*, such as recording file details, capture options, visibility options, and start and stop details. To access the **Recorder Configuration** option, choose **File > Recorder Configuration** from *Manager's* menu bar. The *Recorder Configuration* dialog box is displayed:



For more detailed information about how to create a configuration file for *Recorder*, see the following topics:

- *Custom Recording*
- *Configuration Pane Options*

Reference Guide

Overview of the Morae Guides

Morae's Reference Guide is divided into four sections, one containing general reference topics that relate to *Morae*, and then one reference section for each component of *Morae* — *Recorder*, *Manager*, and *Remote Viewer*. This guide contains detailed information about all of the options available in each component, as well as some advanced topics that were not included in the *Getting Started Guide*.

As a companion to the *Reference Guide*, we also provide the *Getting Started Guide*, which is meant to help you get up and running with each of the components. The *Getting Started Guide* contains system requirements and installation instructions, as well as an orientation to all of the basic processes involved in using each component.

Morae Online Help and Technical Support

Through the options on the *Help* menu in each component of *Morae*, you can access the entire online help file, which contains the contents of both the *Getting Started Guide* and the *Reference Guide*. All changes to the printed manuals will be updated in the online help file, which is distributed with software upgrades. An updated online help file is also always available (in HTML and PDF formats) on our Web site, www.techsmith.com.

If you experience problems installing *Morae*, we encourage you to contact TechSmith Technical Support. Help with installation-related issues is provided at no cost. All other technical support for *Morae* is provided under the *Morae* Essential Plan. Please contact a *Morae* Sales Representative for more information about this plan.

Help resources, such as TechNotes, Tutorials, and FAQs are also always available online at TechSmith's Online Technical Support Center – www.techsmith.com/techsupp/default.asp.

General Reference

Overview

The information in this chapter is intended to help you understand some of the guiding principles behind successful screen, video, and audio recording. If you are having any difficulty creating good-quality recordings, we recommend that you read through this information to become familiar with some of these basic principles. This chapter also contains tips about how to reduce file sizes and increase CPU performance.

You can find additional tutorial information about using *Morae* on the TechSmith Web site at www.techsmith.com/techsupp/default.asp.

The following topics are included within the scope of this chapter:

Improving Audio Quality

- Microphone Volume
- Solving Common Audio Recording Problems

Orientation to Video Codecs

- What is a Video Codec?
- Compression Quality: Lossless vs. Lossy
- How Screen Content Affects Video Codec Choice
- Editing and Distributing AVI Files
- Locating and Selecting Video Codecs

Improving Audio Quality

If you are having difficulty with the audio portion of your recordings, the information in this section may help. It contains information about adjusting microphone volume and troubleshooting some basic audio problems. More support resources can be found at <http://www.techsmith.com/techsupp/default.asp>.

Microphone Volume

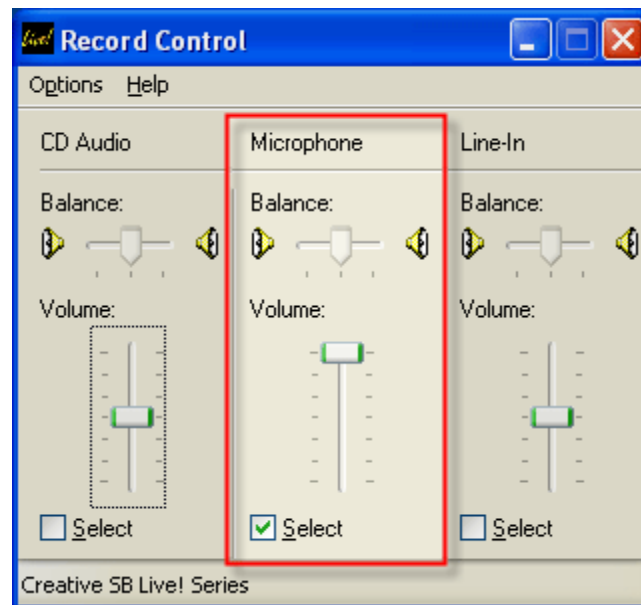
Adjusting Volume in Recorder

In *Recorder*, you can monitor the audio input level from the microphone prior to recording using the **Mic volume** indicator in the *Camera Preview* pane. A reading in the green to yellow range indicates a normal audio volume, whereas a reading in the orange to red range warns you that the input volume is too high. The key to good-quality audio recording is to keep the input level as high as possible without exceeding the range of values that can be stored digitally when encoded. A **Mic volume** level that is frequently in the red range indicates that the input level is too high. This will result in distorted audio recording. The input level also depends on your particular microphone, how close you are to the microphone and the volume of the speaker's voice during recording.

If your audio input level is consistently too high (in the orange to red range on the **Mic volume** indicator), you can adjust it using the **Microphone** options in the *Record Control* dialog box.

Note: This is not a Windows standard dialog box. The appearance and options in this dialog box may vary according to the sound card installed on the *Recorder* source computer.

To access this control from within *Recorder*, choose the **Record > Settings > Audio** tab and then click on the **Volume** button.



Place a checkmark in the **Select** box under the **Microphone Volume** slider. Use the slider to increase or decrease the volume input level.

Adjusting the Volume of Audio Notes in Manager

In *Morae Manager*, audio notes for Markers, Segments, and Title/Video Clips are recorded using the system's default microphone. This default microphone setting and its volume cannot be adjusted from within *Manager*. If you are having difficulty recording audio notes, you may need to check that the system default microphone is set to the one you are using during recording.

To adjust your system's default microphone settings (in Windows XP)

1. Go to *Windows Start > Control Panel > Sounds, Speech, and Audio Devices*. The *Sounds and Audio Devices Properties* dialog box appears.
Note: If you are in *Category View*, you will need to also click on the **Sound and Audio Devices** link to access this dialog box.
2. Choose the *Audio* tab.
3. In the *Sound recording* group box, use the dropdown list to set the **Default device** to the microphone you want to use for recording audio notes in *Manager*.
4. To adjust the volume for this microphone, click on the **Volume** button in the *Sound recording* group box. Use the volume slider that appears to increase or decrease the volume.

Note: If you have *Morae Recorder* installed on the same machine as *Manager*, keep in mind that changing the default microphone device may also change the device you have selected for recording with *Recorder*.

Solving Common Audio Recording Problems

If you find that the audio portion of your recordings is consistently too quiet (inaudible), contains too much external noise, or is generally of poor quality, the hints in the section should help you improve audio quality and hopefully even avoid audio problems before they occur.

Barely Audible or Silent Recordings

If the audio portion of your recordings is inaudible, try each of the following:

- Check that your microphone is properly connected to the sound card in the *Recorder* source computer.
- Use the *Record Control* in *Recorder* to test if the microphone is working. To access the *Record Control*, choose **Record > Settings > Audio > Volume** from *Recorder*'s menu bar. Use the slider to increase the input level. Also be sure the *Select* option is checked under the *Microphone* category.
- Try a different microphone.
- Check whether you can record with *Windows Sound Recorder*. To access *Windows Sound Recorder*, choose **Start > All Programs > Accessories > Entertainment > Sound Recorder**. Record and playback a short segment of audio. If you can't hear the audio during playback, then there may be a generic sound problem within the *Recorder* source computer system.
- Choose another audio recording application and see if the sound recording works within that application.
- Try updating/reinstalling the sound card drivers.
- Replace the sound card.

Noisy Recordings

Some excess audio noise is caused by environmental elements that you may not have noticed before. You can eliminate most problems with unwanted noise by moving your recording “lab” to a quieter location. Also, don’t forget that most computers make some noise that your microphone might be picking up.

Hum and whine can also be caused by a “ground loop.” Ground loop occurs when there is more than one electrical path to “ground” for electrical/electronic equipment. Tracing and eliminating the exact source of ground loop can be complicated, but light dimmer switches, motorized appliances, and cable TV outlets are prime culprits. Disconnect any unnecessary electrical equipment sharing the same circuit as the *Recorder* source computer. Also, disconnect the coaxial cable running to any nearby TVs.

Low-Quality Recordings

The audio portion of the recording files is compressed, by default, using the Windows Media 9 audio codec. This should produce good-quality sound for most common applications of *Recorder*.

Poor quality audio can be related to the hardware – microphone and sound card – you are using. Most consumer-quality equipment shipped with computers is relatively low quality (unless you have purchased upgrade accessories). To improve audio quality, you can upgrade the hardware components responsible for audio on your computer.

Orientation to Video Codecs

If you are having difficulty with the screen and camera video portions of your recordings, the information in this section may help. It contains an introduction to video codecs as well as instructions for changing your video codec settings in *Recorder* and *Manager*.

- What is a Video Codec?
- Compression Quality: Lossless vs. Lossy
- How Screen Content Affects Video Codec Choice
- Editing and Distributing AVI Files
- Locating and Selecting Video Codecs

What is a Video Codec?

The term codec is an acronym that stands for "compressor/decompressor." A codec is an algorithm – a specialized computer program – that compresses data when you are making a recording and producing a video, and then decompresses the data when the video is being viewed. In practical terms, the codecs used when creating recordings (in *Recorder*) and producing your highlight video (in *Manager*) will affect both the quality and the size of the resulting files. Your codec choice may also affect your CPU performance during recording and production.

When a video is compressed with a particular codec, the video must be decompressed with the same codec in order to be viewed. Therefore, the codec must be installed on the computer being used to view the video. For more information, see *Editing and Distributing AVI Files*.

Note: When you install *Morae Recorder* or *Manager*, the TSCC video codec and the Windows Media 9 video and audio codecs are automatically installed on the systems that will be running those components.

Compression Quality: Lossless vs. Lossy

Video codecs can be divided into two categories of quality: *lossless* and *lossy*. A lossless codec maintains image quality through the compression process, while a lossy codec will sacrifice image quality in order to decrease the file size. TechSmith's TSCC codec, for example, provides lossless compression.

If you start out with a video produced using a lossy audio or video codec, the quality will degrade each time you reproduce the video. It is like making a copy of videotape and then making a copy from that copy. The degradation of video quality is compounded each time the video is copied.

Note: Once media are compressed with a particular codec, there is no way to gain greater quality than that allowed by the original codec.

How Screen Content Affects Video Codec Choice

Over the years, a variety of video codecs have been developed. Each one has its strengths and weaknesses. For example, some codecs, such as Microsoft's MPEG-4 v2 and Microsoft Video 1, compress videos that contain photographic images with lots of colors and color gradients in a way that produces small file sizes.

Other codecs, such as TechSmith's Screen Capture Codec (TSCC), are optimized to compress screen video capture of typical office-style applications that contain large blocks of the same color and do not contain gradient fills, photographic images, or dithered surfaces.

If you are using custom settings for your video and audio codecs during recording or highlight video production, it is important to choose a video codec that is appropriate for the screen content you are recording and including in your video.

Note: When a recording or video is compressed with a particular codec, the recording or video must be decompressed with the same codec in order to be viewed. Therefore, the codec must be installed on the computer being used to view the recording or video. For more information, see *Editing and Distributing AVI Files*.

How Morae Uses Video Codecs

During recording, *Morae Recorder* uses two different codecs: one to compress screen video, one to compress real-world camera video (if you are using a peripheral Web camera). Then, during the production of your highlight video (AVI), *Morae Manager* uses one video codec to compress both the camera and screen video.

At either of these stages, you can choose the best codec(s) for your needs based on the type of recording you are going to make and the way you intend to display and distribute the resulting information.

Note: If you are not an advanced codec user, we highly recommend that you use the default (recommended) codec settings for the screen video and camera video.

Editing and Distributing AVI Files

AVI highlight videos can be easily imported into other video manipulation programs tools, such as TechSmith's Camtasia Studio, or video editors like Adobe Premiere, for further editing and annotation, or to convert/publish the video in different formats (e.g., Windows Media, RealMedia, QuickTime). The AVI files can also be distributed and shared without further editing, if you wish. In either case, the codec you use to compress video during the production process must be installed on the system that will be used to edit the video or to view the video once you've distributed it.

If you have used the TSCC codec to produce the highlight video, you can freely distribute the *Morae Player* with the video for easy playback. Alternatively, you can use the *Pack and Show* option in *Manager* (discussed below), to package the TSCC codec with your highlight video. There are no charges, royalties or licensing requirements involved in distributing the *Morae Player*, or videos encoded with TSCC or with distributing the codec to others for viewing.

Again, whichever codec you choose must be installed on the system used to edit or playback the video.

Morae's Pack and Show Option for AVIs

If you've produced your highlight video as an AVI file compressed with the TSCC codec, then the *Pack and Show* option in *Manager* allows you to package your video for easy one-step distribution to your users. *Pack and Show* creates a Windows-executable (.exe) file that contains your produced highlight video (AVI only), the TSCC codec, and the *Morae Player*. The person receiving the .exe from you can simply double-click on it to unpack the file, install the TSCC codec and the *Morae Player*, and play the video. For more information about *Pack and Show*, see *Using Pack and Show*.

Locating and Selecting Video Codecs

This section will help you to locate the codecs installed on your system and to change your codec selections within *Manager*.

How to Identify the Codecs Installed on your System (Windows 2000 or XP)

To find out which codecs are already installed on your system, do the following:

1. On Windows 2000, select Windows **Start** > **Control Panel** > **Sounds and Multimedia** > **Hardware** tab. Then, skip to **Step 3**.
2. On Windows XP, select Windows **Start** > **Control Panel** > **Sounds, Speech and Audio Devices** > **Sounds and Audio Devices** > **Hardware** tab.
3. To locate the available video codecs, double-click on the **Video Codecs** option in the list. The *Video Codecs Properties* dialog box will appear.
4. Choose the *Properties* tab to see a list of installed **Video Compression Codecs**.

How to Change your Codec Selections

The codecs that *Morae Recorder* and *Manager* use by default are installed with the components and are automatically selected for use. These are the codecs recommended by TechSmith and should work optimally with *Morae* under most circumstances.

Note: Unless you are an advanced codec user, we recommend that you do not change the codec settings.

To select a custom screen video codec for recording:

1. Launch *Recorder*
2. Choose **Record** > **Settings** > **Screen Video** tab.
3. Select the **Custom compression** radio button.
4. Click the **Video Compression Setup** button. The *Video Compression Setup* dialog box appears.
5. Choose the desired screen video codec from the Compressor dropdown list. Change any of the other codec configuration settings, if desired.
6. Choose **OK** to exit the *Video Compression Setup* dialog box.
7. Choose **OK** again to exit the *Settings* tabbed dialog box.

To select a custom camera video codec for recording:

1. Launch *Recorder*
2. Choose **Record** > **Settings** > **Camera** tab.
3. Select the **Custom compression** radio button.
4. Click the **Video Compression Setup** button. The *Video Compression Setup* dialog box appears.
5. Choose the desired video compression codec from the **Compressor** dropdown list. Change any of the other codec configuration settings, if desired.
6. Choose **OK** to exit the *Video Compression Setup* dialog box.
7. Choose **OK** again to exit the *Settings* tabbed dialog box.

To select a custom video codec for highlight video production:

1. Click on the *Presenter* tab in *Manager*.
2. Choose **File** > **Produce Highlight Video**. The *Video Encoding Options* dialog box appears.

3. Choose the **Custom** radio button and click the **Custom Settings** button. The *Custom Settings* dialog appears.
4. Choose the **Video Setup** button. The *Video Compression Setup* dialog box appears.
5. Choose the desired video compression codec from the **Compressor** dropdown list. Change any of the other codec configuration settings if desired.
6. Choose **OK** to exit the *Video Compression Setup* dialog box.
7. Choose **OK** again to exit the *Custom Settings* dialog box.
8. Click **Next** to continue with the video production process.

Recorder Reference

Using TechSmith's *Rich Recording Technology*[™] (RRT), *Morae Recorder* creates a synchronized chronicle of events occurring behind-the-scenes in applications and the operating system. It then seamlessly fuses the recorded data input streams (keystrokes, screen text, mouse clicks, and system and application events) with the recorded video and audio input streams (screen video, camera video, and user audio).

The indexed recordings created using RRT can be searched based on specific events that occurred, and these events can be viewed in sync with the camera video and audio of the user when the event occurred. These events could include when the user:

- Navigated between Web pages
- Pressed a key on the keyboard
- Viewed a specific text
- Clicked somewhere with the mouse

When a recording session is complete, *Recorder* saves the synchronized data from these input streams in a file format that you can later open in *Manager* for viewing and analysis. In addition, while recording, *Recorder* can stream the screen video, camera video, and audio to one or more *Remote Viewers* over a local or wide area network (LAN or WAN).

This chapter will give you detailed information about all of the options in *Recorder*, and it also contains some advanced topics specific to the *Recorder* component.

See *Getting Started with Recorder* for an orientation to *Recorder*'s appearance and features, as well as instruction about how to customize *Recorder*'s configuration to capture exactly the data you need. The *Getting Started with Recorder* section also contains tips about the best ways to manage the resulting recording files.

Recorder Toolbar Options

Recorder's toolbar contains the most-used menu options in a conveniently accessible location. This section offers a detailed description of those options.



Description of Recorder Toolbar Options

The following table describes the options available on *Recorder's* toolbar.

Toolbar Button	Option Name	Corresponding Menu Option	Description and Use
	Start	Record > Start	Choose this option to start a recording.
	Stop	Record > Stop	Choose this option to stop a recording.
	Recorder Settings	Record > Settings	Choose this option to access the <i>Settings</i> dialog box. For more information about this dialog box, see <i>Recorder's Global Settings</i> .
	New Configuration	File > New Configuration	Choose this option to create a new configuration file.
	Open Configuration	File > Open Configuration	Choose this option to open a previously saved configuration file.
	Save Configuration	File > Save Configuration	Choose this option to save a configuration file.
	Camera Preview	View > Camera Preview	Choose this option to toggle the <i>Camera Preview</i> pane between its hidden and visible states.
	Open Help File	Help > Recorder Help	Choose this option to access the online help system for <i>Recorder</i> and the other <i>Morae</i> components.

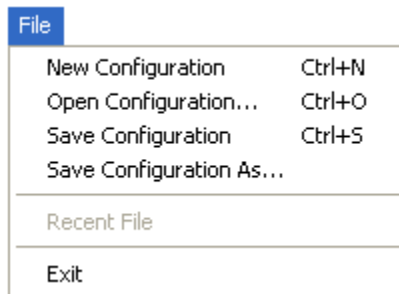
Recorder Menus

This section gives a detailed description of all of the options available on the menus in *Recorder*.

- Recorder File Menu
- Recorder Record Menu
- Recorder View Menu
- Recorder Help Menu

Recorder File Menu

Recorder's *File* menu options allow you to create new configuration files, open existing configuration files, save configuration files, and easily access your most recently used configuration files. For more information about configuration, see *Configuration Pane Options* and *Custom Recording*.



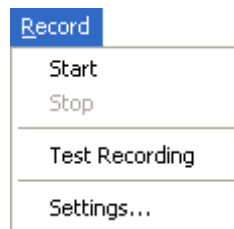
Description of File Menu Options

The following table describes the options available on the *File* menu.

Menu Option	Description and Use
New Configuration	Choose this option to create a new configuration file.
Open Configuration	Choose this option to browse for and open a previously saved configuration file.
Save Configuration	Choose this option to save a configuration file.
Save Configuration As	Choose this option to save a configuration file under a new name or in a new location.
Recent File	This area of the menu contains a list of the four most recently used configuration files for easy access.
Exit	Choose this option to exit the <i>Recorder</i> application.

Recorder Record Menu

Recorder's *Record* menu options let you start and stop a recording session, as well as create and playback a 10-second test recording. The **Settings** option gives you access to all of *Recorder's* screen video, audio, camera, and folders settings.



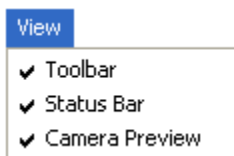
Description of Record Menu Options

The following table describes the common options available on the *Record* menu.

Menu Option	Description and Use
Start	Choose this option to start a recording session.
Stop	Choose this option to stop the current recording session.
Test Recording	Choose this option to run a 10-second test recording that will check the screen video, camera video and audio settings and allow you to preview these streams during playback. For more information about this option, see <i>Running a Test Recording</i> .
Settings	Choose this button to access the <i>Settings</i> dialog box. For more information about the options in this dialog box, see <i>Recorder's Global Settings</i> .

Recorder View Menu

Recorder's View menu options allow you to specify whether you want to view the toolbar, status bar, and *Camera Preview* pane on the main screen. You can toggle any of these options to be visible or hidden, depending on your preferences. A checkmark will appear next to options that are visible.



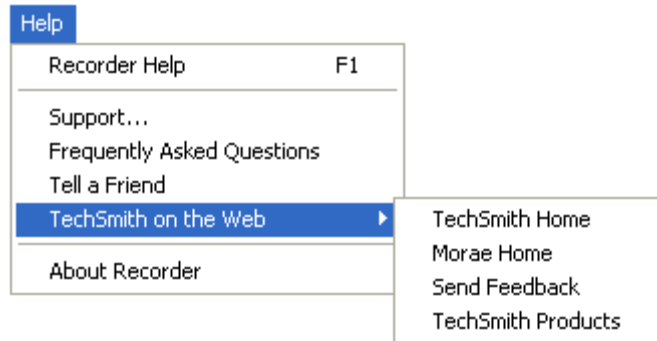
Description of View Menu Options

The following table describes the options available on the *View* menu.

Option	Description and Use
Toolbar	Toggles the toolbar between its visible and hidden states.
Status Bar	Toggles the status bar between its visible and hidden states.
Show Camera Preview	Toggles the <i>Camera Preview</i> pane between its visible and hidden states.

Recorder Help Menu

Recorder's Help menu is a quick way to access the online help for *Recorder* and the other *Morae* components. It also contains links to additional product support on TechSmith's Web site.



Description of Help Menu Options

The following table describes the options available on the *Help* menu.

Option	Description and Use
Recorder Help	Accesses the help topics that apply specifically to <i>Recorder</i> .
Support	Opens the <i>Morae Support</i> dialog box, which allows you to create a diagnostic file to send to TechSmith's Technical Support Department. This is helpful if you cannot troubleshoot a problem that you are having with <i>Morae</i> ; the diagnostic file contains detailed information that can help the Tech Support specialist to determine the source of the problem.
Frequently Asked Questions	Takes you to the FAQs for <i>Morae</i> on the TechSmith Web site.
Tell a Friend	Launches the <i>Tell a Friend about Morae</i> page on the TechSmith Web Site, which provides a form that you can use to e-mail a friend with information about <i>Morae</i> .
TechSmith on the Web	Choose this option to access a flyout menu of the following links to the TechSmith Web site: TechSmith Home: Takes you to the home page of the TechSmith Web site. Morae Home: Takes you to the product home page for <i>Morae</i> . Send Feedback: Takes you to an online general product feedback form that you can fill out and submit to TechSmith. TechSmith Products: Takes you to the TechSmith Products page.
About Morae Recorder	Choose this option to view the version number and copyright information for <i>Recorder</i> .

Recorder's Global Settings


The *Settings* dialog box in *Recorder* contains the global settings for *Recorder*, which fall into four categories: **Screen Video** options, **Audio** options, **Camera** options, and **Preferences** options. Global settings are distinct from the recording configuration settings. Whereas configuration settings affect a single recording, global settings affect every recording you create with *Recorder*, no matter which configuration file you have open.

Configuring Global Settings for Recorder

For each of the four global settings categories, *Recorder* is preconfigured to use defaults that are optimized for the recommended system requirements. These default settings will work well for most systems and will be used for every recording unless you manually change them in the *Settings* dialog box.

If the *Recorder* source computer you are using does not meet the recommended system requirements, or if you consistently run into efficiency problems such as large file sizes or slow CPU speeds, you can adjust the settings to improve *Recorder*'s performance.

To access the *Settings* tabbed dialog box, choose **Record > Settings** from *Recorder*'s main menu bar, or

choose the **Settings** button  on the toolbar. Simply click on a tab to see the available options.

Settings Dialog Box: Screen Video Tab Options

Use the options on the *Screen Video* tab to specify the desired screen video capture settings for *Recorder*.

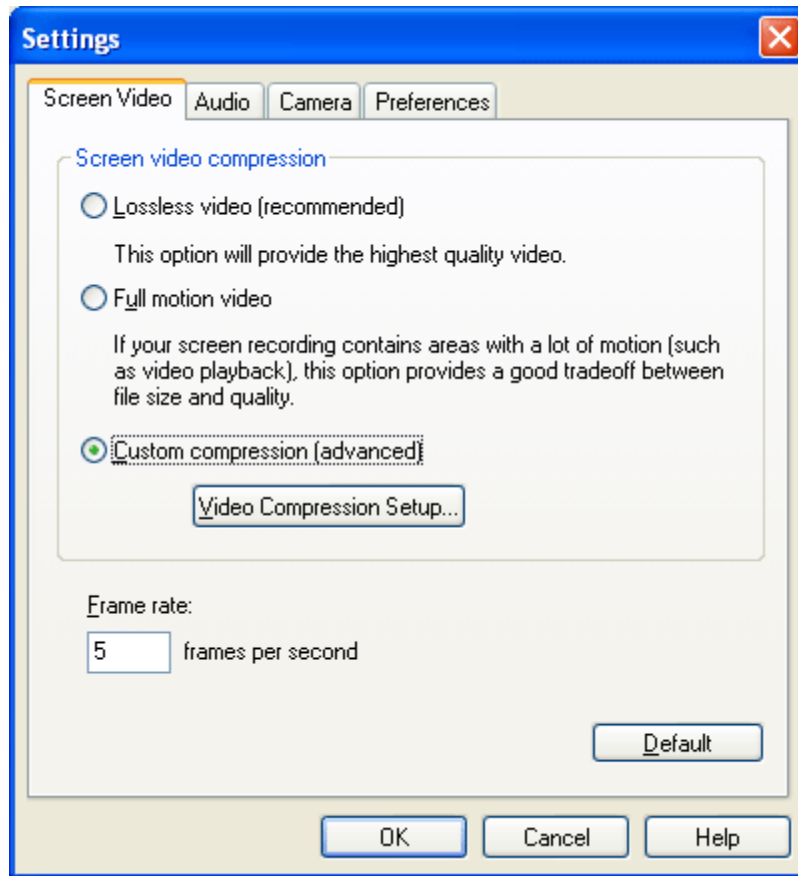
Choose the compression option that best matches your recording situation. If you are uncertain which option to choose, we recommend using the **Lossless video** option.

You can also change the recording frame rate on this tab, but the default of five frames per second is generally recommended.

To access the *Screen Video* tab click the **Settings** button  on the toolbar and choose the *Screen Video* tab. Alternatively, choose **Record > Settings > Screen Video** tab.

Note: The *Screen Video* options apply to the capture of screen video, not the video input from the Web camera. For Web camera settings, see

Settings Dialog Box: Camera Tab Options.



Description of Screen Video Tab Options

The following table describes each of options on the *Screen Video* tab.

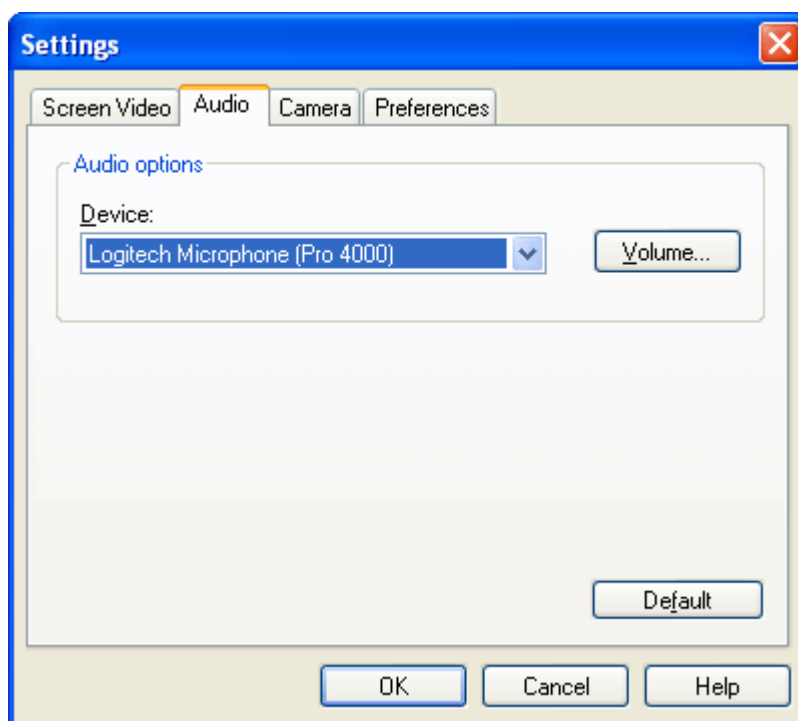
Option	Description and Use
Lossless video (recommended)	Choose this option to get the best quality video recording. If your screen video contains full motion (such as video playback), choosing this option may increase recording file size. For more information, see <i>Lossless Video Default Settings</i> .
Full motion video	Choose this option if you know that your screen video will contain full motion. It will give you good quality while keeping the recording file sizes down. For more information, see <i>Full Motion Video Default Settings</i> .
Custom compression (advanced)	Choose this option if you wish to select a custom codec. Click the Video Compression Setup button to browse for and select your codec. Note: We do not recommend selecting this option unless you are an advanced codec user. For more information about codecs, see <i>Orientation to Video Codecs</i> .
Video Compression Setup	Choose the Video Compression Setup button to access the <i>Video Compression Setup</i> dialog box. In this dialog box, you can browse through a list of available codecs and make your selection. You can also adjust any compression settings as desired. For more information about the options in this dialog box, see <i>Video Compression Setup Options</i> .
Frame rate	Enter the desired frame rate (in frames per second). The default setting is five frames per second.

Option	Description and Use
Default	Restores the screen video options to their default settings.
OK	Accepts setting changes and exits the <i>Settings</i> dialog box.
Cancel	Exits the <i>Settings</i> dialog box without saving changes.
Help	Accesses the online help resources for the <i>Screen Video</i> tab.

Settings Dialog Box: Audio Tab Options

The options on the *Audio* tab allow you to select the microphone you will be using for recording and adjust that microphone's volume. At launch, *Recorder* will search the Windows operating system for connected audio devices (microphones and sound cards) and automatically select the first device in the list as the default.

To access the *Audio* tab click the **Settings** button  on the toolbar and choose the *Audio* tab. Alternatively, choose **Record > Settings > Audio** tab. Use the dropdown list to select the desired **Device**.




Description of Audio Tab Options

The following table describes each of the options on the *Audio* tab.

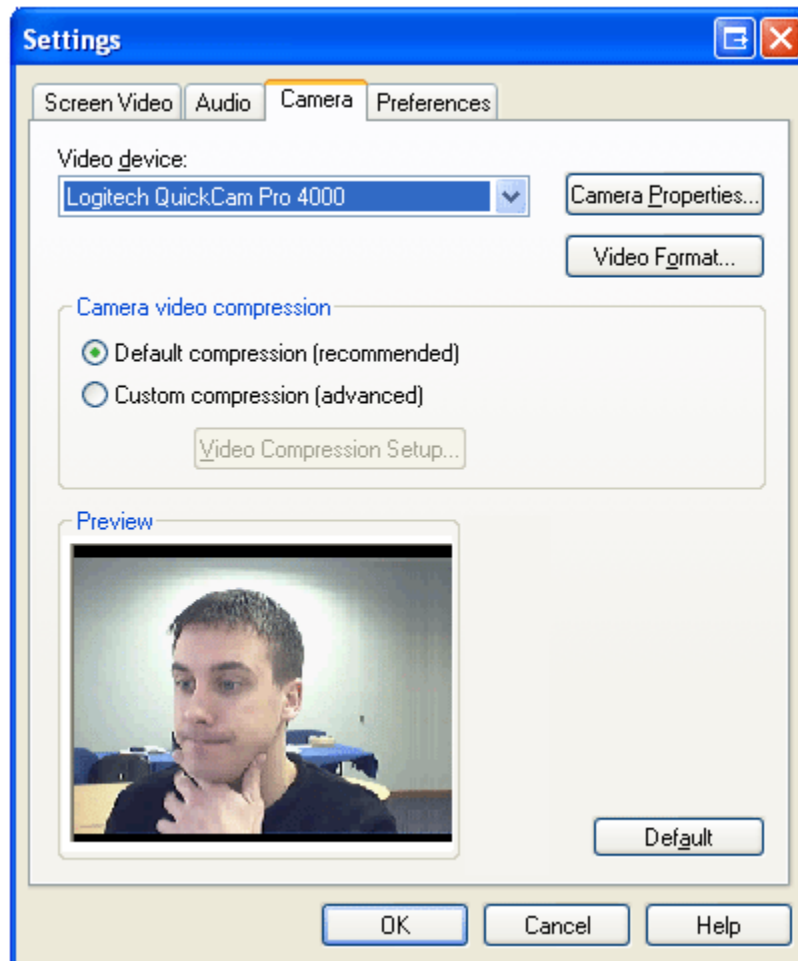
Option	Description and Use
Device	Use the dropdown menu to select the microphone device that you want to use to record the audio.
Volume	Click on the Volume button to reveal the <i>Record Control</i> dialog box, where you can set recording volume levels for the input device selected. Note: The options available in the <i>Record Control</i> dialog box will vary depending on the hardware.
Default	Choose Default to return the device setting to the default, which will be the first device in the dropdown list.
OK	Choose OK to accept setting changes and exit the <i>Settings</i> dialog box.
Cancel	Choose Cancel to exit the <i>Settings</i> dialog box without saving changes.
Help	Choose Help to access the online help resources for the <i>Audio</i> tab.

Settings Dialog Box: Camera Tab Options

The options on the *Camera* tab allow you to select the camera device that is attached to the *Recorder* source computer, as well as the video codec you want the camera to use during recording. There is also a camera preview area here so you can see whether the camera is positioned and focused correctly.

To access the *Camera* options, choose the **Settings** button  on the toolbar and choose the **Camera** tab. Alternatively, choose **Record > Settings > Camera** tab.

Note: The *Camera* tab will not appear unless you have a camera attached to the *Recorder* source computer. Also, the options on this tab will vary, depending on the camera you are using.



Description of Camera Tab Options

The following table describes each of the options on the *Camera* tab.


Option	Description and Use
Available video devices	Allows you to select the camera that you want to use with <i>Recorder</i> . Choose the camera you are using from the dropdown list of currently available devices. Note: Every time a new camera is installed on the system, a new video device associated with the camera will automatically show up on this list. You may need to restart <i>Recorder</i> to see newly installed devices in the list.
Camera Properties	Allows you to adjust various aspects of video quality, such as brightness, contrast, sharpness, RGB values, etc. Choose this button to access the camera <i>Properties</i> dialog box. For more information, see <i>Camera Properties Options</i> .
Video Format	Allows you to adjust variables such as frame rate and output size. Choose this button to access the <i>Video Format</i> dialog box. For more information, see <i>Video Format Options</i> .
Default compression (recommended)	Choose this option to use the recommended default camera video codec (Windows Media Video).

Option	Description and Use
Custom compression (advanced)	Choose this option if you wish to select a custom camera video codec. Click the Video Compression Setup button to browse for and select your codec. Note: We do not recommend selecting this option unless you are an advanced codec user.
Video Compression Setup	Choose the Video Compression Setup button to access the <i>Video Compression Setup</i> dialog box. In this dialog box, you can browse through a list of available codecs and make your selection. You can also adjust any compression settings as desired. For more information about the options in this dialog box, see <i>Video Compression Setup Options</i> .
Preview	Shows you a preview of what the video recording will look like based on your current settings. View your configuration changes in this window.
Default	Returns the options on this tab to their default settings.
OK	Choose OK to accept setting changes and exit the <i>Camera Settings</i> dialog box.
Cancel	Choose Cancel to exit the <i>Camera Settings</i> dialog box without saving changes.
Help	Choose Help to access the online help system for <i>Recorder</i> and the other <i>Morae</i> components.

Camera Properties Options

The camera *Properties* dialog box is provided by the manufacturer of the camera you have chosen. For this reason, the options available in the dialog box will vary. In general, the options in this box should allow you to adjust various aspects of image quality, such as brightness, contrast, gamma, sharpness, RGB values, and exposure.


Note: When in doubt, use the default settings for your camera. These are usually optimized to give you the best overall video quality.

To access the camera *Properties* dialog box, choose the **Settings** button  on the toolbar and then choose the *Camera* tab. Click the **Camera Properties** button. For more information about the options in the camera *Properties* dialog box, consult the manufacturer of the camera you are using.

Video Format Options

The *Video Format Properties* dialog box contains options that allow you to adjust variables such as frame rate, horizontal/vertical orientation, color space/compression and output size for the Web camera video. The options that are enabled in this dialog box, and the settings that are populated for those options, will vary depending on the Web camera you are using.

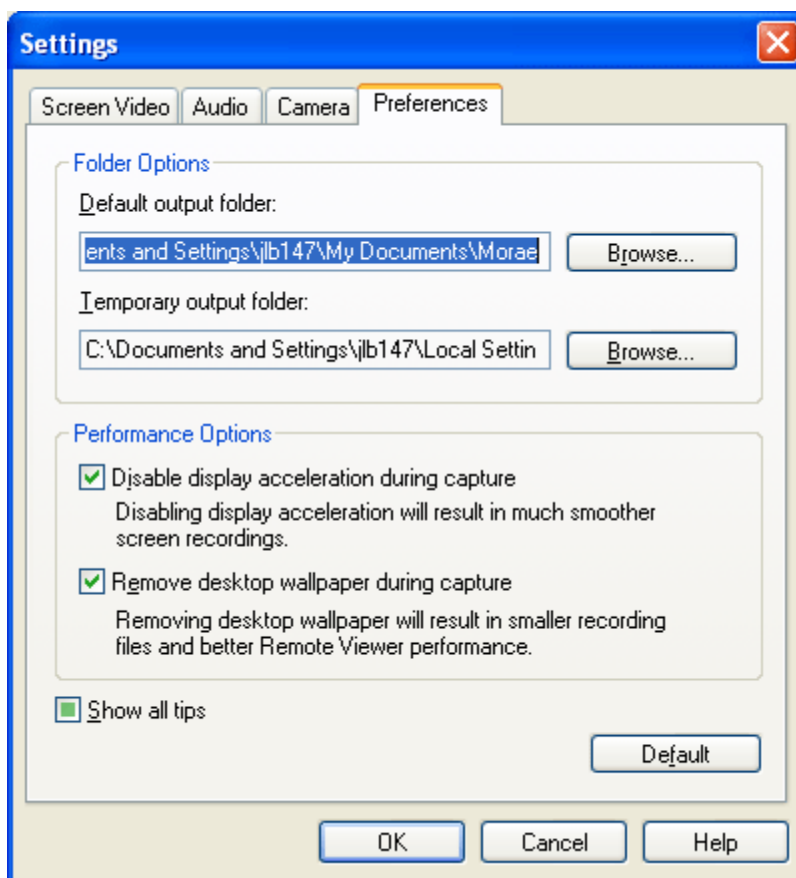
Note: When in doubt, use the default settings for your camera. These are usually optimized to give you the best overall video quality.

To access the *Video Format Properties* dialog box, choose the **Settings** button , click on the *Camera* tab and then choose the **Video Format** button. For more information about how to change any of the options in this dialog box, consult the manufacturer of your camera.

Settings Dialog Box: Preferences Tab Options

The options on *Preferences* tab allow you to designate the default and temporary output folders for recordings and to adjust performance options.

To access the *Preferences* options, choose the **Settings** button  on the toolbar, and choose the **Preferences** tab. Alternatively, choose **Record > Settings > Preferences** tab.



Description of Preferences Options

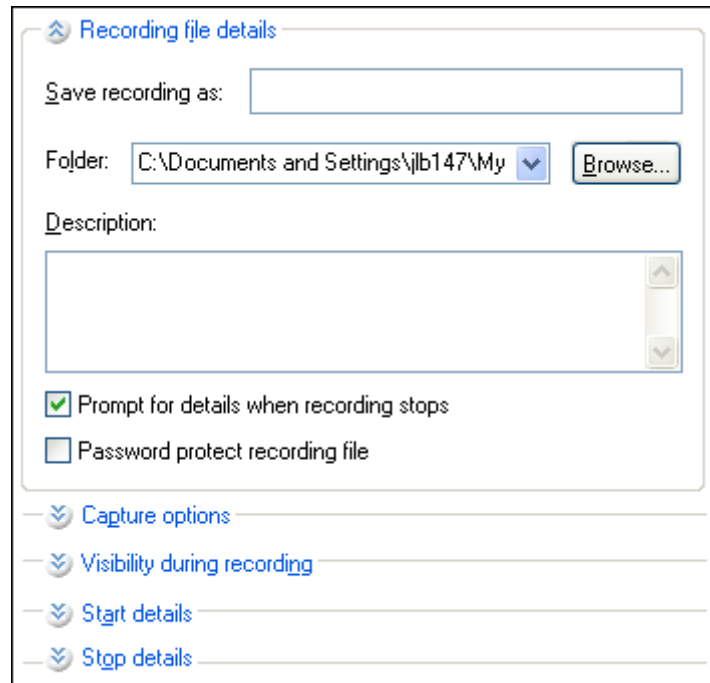
The following table describes the options available on the *Preferences* tab.

Option	Description and Use
Default output folder	Designates the folder recording files will be stored in. This is a global setting for <i>Recorder</i> , which means that this folder will be used for all of recording files that you create. By default, this folder will be set to the C:\...\My Documents\Morae folder on the <i>Recorder</i> source computer system. You can override this setting for a specific recording by choosing a different folder location in the <i>Configuration</i> pane's <i>Recording file details</i> area. Choose the adjacent Browse button to locate and select the desired folder.
Temporary output folder	Designates the folder that will temporarily hold <i>Recorder</i> output during recording. The temporary files are automatically deleted when the output file is written. Choose the adjacent Browse button to locate and select the desired folder. Note: Choosing a temporary directory that is located on a network drive may cause performance problems. We recommend using a local drive for temporary file storage.
Disable display acceleration during capture	Disables hardware acceleration on the primary monitor during recording. Checking this box will generally result in better screen video recordings.
Remove desktop wallpaper during capture	Disables any desktop wallpaper on the <i>Recorder</i> source computer. Checking this box will generally result in better compression of recording files and better system performance.
Show all tips	Enables the general program tip dialogs that appear throughout <i>Recorder</i> . Deselect this option to disable the tips.
Default	Restores the Default and Temporary output folders and <i>Performance Options</i> to their default settings.
OK	Choose OK to accept changes and exit the <i>Settings</i> dialog box.
Cancel	Choose Cancel to exit the <i>Settings</i> dialog box without saving changes.
Help	Choose Help to access the online help for <i>Recorder</i> .

Configuration Pane Options

Recorder's Configuration Pane contains five categories of options to give you a great deal of flexibility in creating a configuration file for your recording. Each category is collapsible, so you can easily control how many of the configuration options you view at one time.

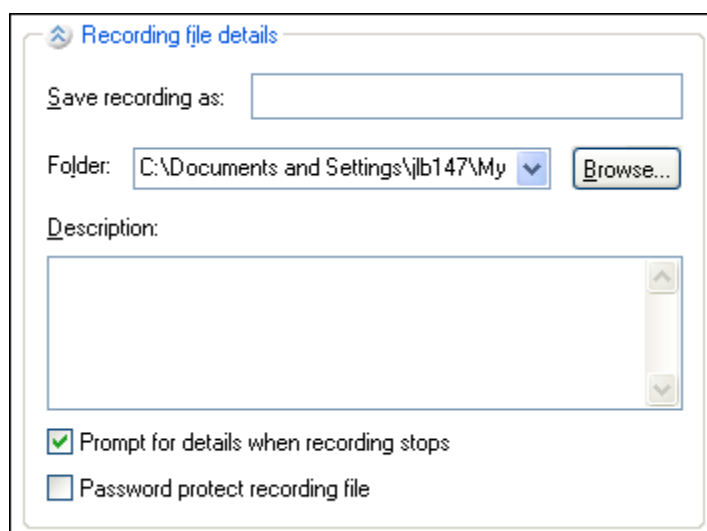
For information about creating a configuration for Recorder, see *Custom Recording*.



- Recording File Details Options
- Capture Options
- Visibility during Recording Options
- Start Details Options
- Stop Details Options

Recording File Details Options

The *Recording file details* options allow you to enter a description that is specific to a recording session, either prior to the recording or when the recording stops. These options also allow you to determine the file name and destination folder for the recording, and to password protect the recording files, if you wish.



The image shows a dialog box titled "Recording file details". It contains the following fields and options:

- Save recording as:** A text input field.
- Folder:** A dropdown menu showing "C:\Documents and Settings\jlb147\My" and a "Browse..." button.
- Description:** A large text area with a vertical scrollbar.
- ☒ **Prompt for details when recording stops**
- ☐ **Password protect recording file**

Description of Recording File Details Options

The following table describes each of the options available in the *Recording file details* category.

Option	Description and Use
Save recording as	Allows you to assign a file name for the recording.
Folder	In this field, type the path for the folder in which to save the recording file. If you do not know the path, choose the Browse button and locate the folder.
Browse	Choose this button to open the <i>Browse</i> dialog box and then choose a directory in which to save the recording file.
Description	Within this text field, you can type a description or other textual data related to a recording that you want saved with the recording file.
Prompt for details when recording stops	Place a checkmark in this box if you want <i>Recorder</i> to prompt you for the Recording file details (recording file name, folder, and description) after a recording is complete.
Password protect recording file	Place a checkmark in this box if you want <i>Recorder</i> to prompt you for a password to protect the recording file. For more information, see <i>Enter Recording File Password Options</i> .

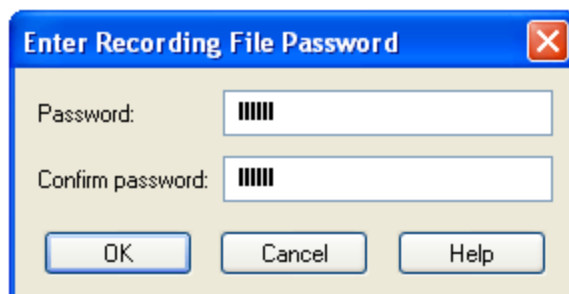
Enter Recording File Password Options

There is an option in the *Recording file details* section of the *Configuration Pane* that allows you to password-protect your recording files. If you choose this option, you will be prompted to enter a **Password** in the *Enter Recording File Password* dialog box. Enter the password again in the **Confirm password** field, and then choose **OK**.

Passwords are not case sensitive and can include letters, numbers, and symbols in any combination. There is no maximum length for passwords.

Warning! If you forget the password you have chosen, it cannot be retrieved by TechSmith; the file cannot be opened without the password. Please be careful to keep a record of the password that you assign.

The *Enter Recording File Password* dialog box appears after a recording is completed, if you have enabled the **Password protect recording file** option in *Recorder*. When you import the file into *Manager's Analyzer* tab, the *Enter Recording File Password* dialog box will appear again. Enter the correct password and choose **OK**. The file will be imported into your Project.



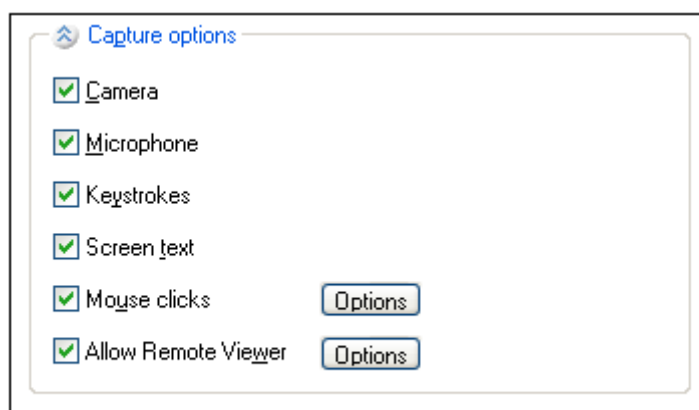
Description of Enter Recording File Password Options

The following table describes the options available in the *Enter Recording File Password* dialog box.

Option	Description and Use
Password	Enter the password you wish to use to protect the recording file.
Confirm password	Reenter the password you typed into the Password field.
OK	Choose OK to complete the password protection and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without entering a password.
Help	Choose Help to access the online help resources for <i>Recorder</i> .

Capture Options

The *Capture options* allow you to specify which data streams you want *Recorder* to capture during a recording, and to enable *Remote Viewer(s)* to connect to *Recorder*. You can choose any combination of these options, depending on the data you want to collect.



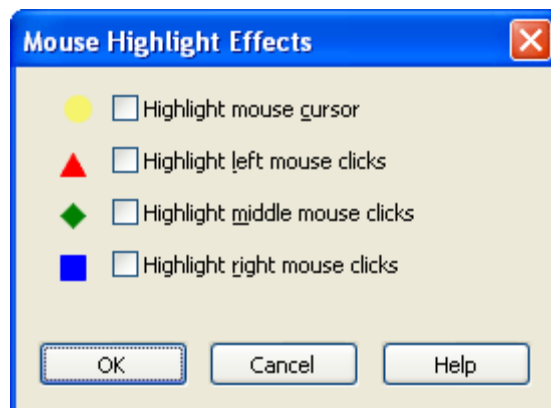
Description of Capture Options

The following table describes each of the options available in the *Capture options* category.

Option	Description and Use
Camera	Choose this option to record the video from an attached camera.
Microphone	Choose this option to record the audio from an attached microphone.
Keystrokes	Choose this option to record the data related to the activity on the source computer's keyboard. These data include all the numeric and alphabetic keys pressed on the keyboard.
Screen text	Choose this option to collect the text being displayed on the source computer's screen. Screen text includes every word shown on the screen except for those that are part of an image.
Mouse clicks	Choose this option if you want to record the mouse clicks (left, middle, and right) occurring during a recording. Click the Options button to access options related to cursor and mouse click highlight effects. For more information, see <i>Mouse Highlight Effects Options</i> .
Allow Remote Viewer	Choose this option to allow one or more <i>Remote Viewer's</i> to connect to <i>Recorder</i> during the recording session. For more information about remote viewing, see <i>Getting Started with Remote Viewer</i> . Click the Options button to access the option in the <i>Remote Viewer Options</i> dialog box. This option allows you to adjust the amount of time <i>Recorder</i> will wait for pending Markers from <i>Remote Viewers</i> before ending the recording. For more information, see <i>Remote Viewer Options</i> .

Mouse Highlight Effects Options

The *Mouse Highlight Effects* options allow you to visually emphasize mouse action in the recording by highlighting this action. To access the *Mouse Highlight Effects* dialog box, choose **Mouse clicks** > **Options** button in the *Capture options* area of *Recorder's Configuration* pane.



Description of Mouse Highlight Effects Options

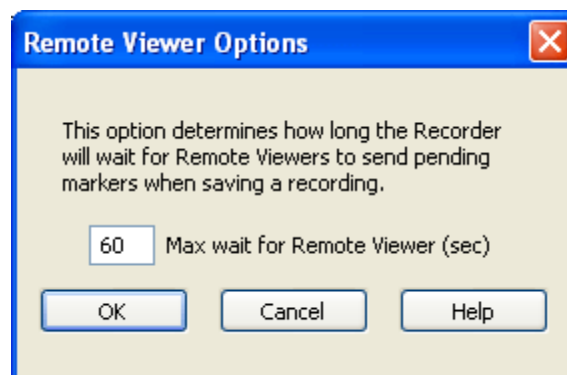
The following table describes each of the options available in the *Mouse Highlight Effects* dialog box.

Option	Description and Use
Highlight mouse cursor	Choose this option to highlight the cursor movement with a yellow circle.
Highlight left mouse clicks	Choose this option to highlight all left mouse clicks with a red triangle.
Highlight middle mouse clicks	Choose this option to highlight all middle mouse clicks with green diamond.
Highlight right mouse clicks	Choose this option to highlight all right mouse clicks with a blue square.
OK	Choose OK to accept changes and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the online help resources for <i>Recorder</i> .

Remote Viewer Options

The option in the *Remote Viewer Options* dialog box allows you to adjust the amount of time *Recorder* will wait for pending Markers from *Remote Viewer(s)* before ending the recording.

To access the *Remote Viewer Options* dialog box, choose the **Allow Remote Viewer > Options** button in the *Capture options* area of *Recorder's Configuration* pane.



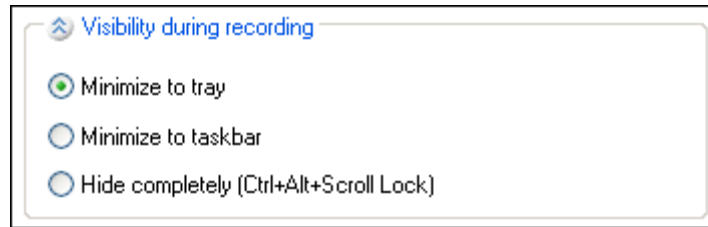
Description of Remote Viewer Options

The following table describes each of the options available in the *Remote Viewer Options* dialog box.

Option	Description and Use
Max wait for Remote Viewer (sec)	Type the desired amount of time (seconds) that you want <i>Recorder</i> to wait for pending Markers to be sent from <i>Remote Viewer(s)</i> . This option is set to 60 seconds by default. The minimum amount of time that can be entered in this field is 10 seconds, and the maximum amount of time is 300 seconds.
OK	Choose OK to accept changes and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the online help resources for <i>Recorder</i> .

Visibility during Recording Options

The *Visibility during Recording* options allow you to specify the desired level of visibility that *Recorder* has on the source computer during a recording session. Using these options, you can set *Recorder* to be visible as a tray icon when minimized, or to be visible on the taskbar. You can also choose to hide *Recorder* completely during recording.



Description of Visibility during Recording Options

The following table describes each of the options available in the *Visibility during Recording* category.

Option	Description and Use
Minimize to tray	Choose this option if you want <i>Recorder</i> to be visible as a tray icon when minimized.
Minimize to taskbar	Choose this option if you want <i>Recorder</i> to be visible on the taskbar when minimized.
Hide completely	Choose this option if you want <i>Recorder</i> completely hidden during recording. To show <i>Recorder</i> again, use the hotkey combination (Ctrl+Alt+Scroll Lock).


Start Details Options

The *Start details* options allow you to start a recording when a particular event occurs, or at a specific time and/or date. The **Remote Viewer control** option allows you to assign the ability to remotely start *Recorder* to a specific *Remote Viewer* user.

Note: If you choose an Event based or Time based start option, or the *Remote Viewer* remote control option, you will still need to click the **Start** button  to set *Recorder* to wait for the event.

Description of Start Details Options

The following table describes each of the options available in the *Start details* category.


Option	Description and Use
Manually start	Choose this option if you wish to manually start the recording session using the Start button  .
Event based	Choose this option if you wish the recording to begin when a certain event occurs. Choose one of the three event types from the dropdown menu: Mouse Click – Choose this option if you want a recording to begin at the click of the mouse. Application Launch – Choose this option if you want a recording to begin when the specified application launches. Application Exit – Choose this option if you want a recording to begin when the user exits a specified application. To specify an application, type the .exe of the desired application in the Application Name box. If you do not know the exact .exe , choose the Browse button to find the application's executable name.
Time based	Choose this option if you want the recording to start at a particular date and time. Use the Date and Time list boxes to specify the starting date and time. Leave the box next to the Date field unchecked if you want the recording to start at that time on any date.
Remote Viewer control	Choose this option if you want to assign the ability to remotely start <i>Recorder</i> to a specific <i>Remote Viewer</i> user. Enter the name of the user in the Remote Viewer user field. Note: If you leave this field blank, any <i>Remote Viewer</i> user will be able to start <i>Recorder</i> remotely.

Stop Details Options

The *Stop details* options allow you to stop a recording based on an event, at a time, or after a duration that you specify in advance. The **Remote Viewer control** option allows you to assign the ability to remotely stop *Recorder* to a specific *Remote Viewer* user.

Description of Stop Details Options




The following table describes each of the options available in the *Stop details* category.

Option	Description and Use
Manually stop	Choose this radio button if you wish to manually stop the recording session using the Stop button  .
Event based	Choose this radio button if you wish the recording session to stop when a certain event occurs. Choose one of the two event types from the dropdown menu: Application Launch: Choose this option if you want a recording to stop when the specified application launches. Application Exit: Choose this option if you want a recording to stop when the user exits a specified application. To specify an application, type the .exe of the desired application in the Application Name box. If you do not know the exact .exe , choose the Browse button to find the application's executable name.
Time based	Choose this radio button if you want the recording to stop at a particular date and time. Use the Date and Time list boxes to specify the ending date and time.

Option	Description and Use
Duration based	Choose this radio button if you want the recording session to stop after a certain amount of elapsed time. Specify the Time to run (in hours) by choosing the desired length of time from the dropdown menu.
Remote Viewer control	Choose this option if you want to assign the ability to remotely stop <i>Recorder</i> to a specific <i>Remote Viewer</i> user. Enter the name of the user in the <i>Remote Viewer</i> user field. Note: If you leave this field blank, any <i>Remote Viewer</i> user will be able to stop <i>Recorder</i> remotely.

Recorder's Default Configuration Settings


If you use One-Click Recording, the recording will run based on *Recorder*'s default settings. The default settings for each configuration category are described in the following table.

Configuration Category	Options Enabled by Default	Description/Implications
Recording file details	Prompt for details when recording stops	When the recording ends, you will be prompted to fill in the Save recording as , Description , and Folder fields. <i>Recorder</i> selects a default folder to use for the output file.
Capture options	All capture options; Allow Remote Viewer	<i>Recorder</i> will capture all data streams: screen video, camera, microphone, keystrokes, screen text, mouse clicks, and application events. Remote viewing will be allowed by default. The default amount of time <i>Recorder</i> will wait for <i>Remote Viewer</i> Markers is 60 seconds.
Visibility during recording	Minimize to tray	<i>Recorder</i> will be visible only as a tray icon  during recording.
Start details	Manually start	You must choose the Start button  to begin recording.
Stop details	Manually stop	You must choose the Stop button  to stop recording.

Camera Preview Pane Options

Using the options in the *Camera Preview* pane, you can view and easily adjust your microphone and Web camera settings prior to beginning a recording session. The *Camera preview* window shows exactly what your camera will be recording, and the **Mic volume** bar underneath gives an accurate visual indication of the level of sound coming in through the attached microphone. The **Test Recording** button allows you to run a 10-second test of your configuration settings prior to beginning an actual recording.

To access camera-related settings in *Recorder*, choose **Record > Settings > Camera** tab.

Note: To hide and view the *Camera Preview* pane, click the **Camera Preview** button .



- ① **Dock/Undock button.** Click this button to toggle between the docked and floatable states of the *Camera preview* pane. Choose it once to undock the preview pane; choose it again to dock the floating window. You can also dock the floating pane by dragging it over the right-hand edge of *Recorder* and dropping it.
- ② **Camera preview area.** This area displays what your camera will be recording. Use this preview area to adjust the camera position prior to recording.
- ③ **Status message area.** This area offers valuable information about the status of the camera.
- ④ **Mic volume.** This indicator bar shows the input volume level. To adjust the volume, choose **Record > Settings > Audio** tab and click on the **Volume** button.
- ⑤ **Test Recording button.** Choose the **Test Recording** button to record and playback a 10-second test prior to beginning an actual recording. The test will confirm whether *Recorder* is capturing screen video, camera video and user audio. This test also checks the other configuration settings you've chosen. For more information, see *Running a Test Recording*.

Remote Viewer Reference

Overview

Morae Remote Viewer allows one or multiple computers to connect over a LAN or WAN to *Recorder*, allowing you to observe the screen activity on the *Recorder* source computer. Beginning with version 1.1., you can also hear user audio and view camera video in a picture-in-picture (PIP) window. Multiple *Remote Viewer* components can be connected to a single *Recorder*, allowing several people to observe the session simultaneously. One of these *Remote Viewers* can optionally be assigned to start and/or stop *Recorder* remotely.

Remote Viewer is also a valuable logging tool — it lets you set meaningful Markers during the recording that can later be searched for and viewed in *Manager*. For each Marker, you can immediately assign a Marker Type and Name, and enter a text note. If there are multiple *Remote Viewers* connected, the observer at each *Remote Viewer* station can enter Markers that are saved in the recording under their unique user name.

Finally, any *Remote Viewer* can now produce an immediately viewable content (WMV) file when a recording session is complete. This file contains the screen video, camera video PIP and audio streams from the recording.

This chapter offers you more detailed information about all of the features of *Remote Viewer*, including descriptions of the options available on the toolbar, menus, and the Marker *Notes* pane, and the messages in status bar.

Note: *Remote Viewer* can be installed on the same computer as *Manager*, if desired

For *Remote Viewer* system requirements and installation instructions, see *System Requirements and Installation Instructions*.

For information about the processes involved in connecting *Remote Viewer* to *Recorder*, changing views, and creating Markers in *Remote Viewer*, see *Getting Started with Remote Viewer*.


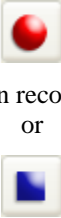


Remote Viewer Toolbar Options


Remote Viewer's toolbar contains the most-used menu options in a conveniently accessible location. By default, the toolbar is docked in the *Remote Viewer* window when you open the application.



Description of Options on the Remote Viewer Toolbar

The following table describes each of options on the *Remote Viewer* toolbar.

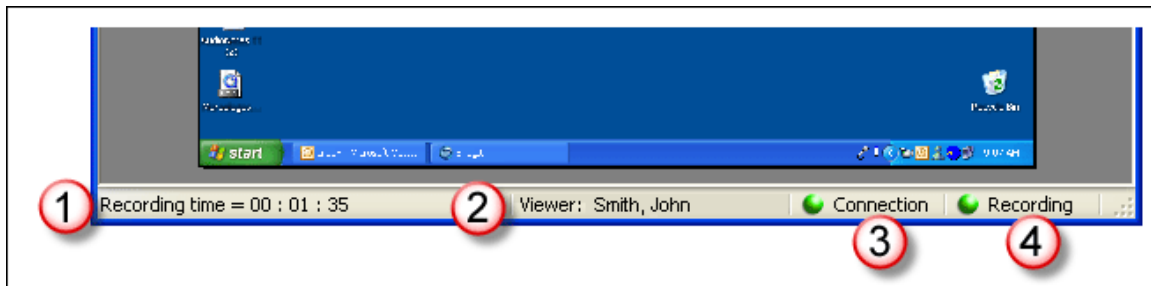
Toolbar Button & Option Name	Corresponding Menu Option(s)	Description
 Connect to or Disconnect from Recorder	Connection > Connect Connection > Disconnect	To initiate a connection between <i>Remote Viewer</i> to <i>Recorder</i> , choose the Connect to or Disconnect from Recorder button. If you are not connected to <i>Recorder</i> , the <i>Connect to Recorder</i> dialog box will appear. See also <i>Connect to Recorder Dialog Box Options</i> . Note: This button changes appearance depending on the status of the connection to <i>Recorder</i> .
 Begin recording or Stop recording	Remote Control > Begin Recording Remote Control > Stop Recording	To start <i>Recorder</i> and begin a recording, choose the Begin recording button. To stop <i>Recorder</i> and end the current recording, choose the Stop recording button. Note: Only the viewer designated in the <i>Start details</i> and <i>Stop details</i> options in <i>Recorder's</i> current configuration will have access to the Remote Control options and toolbar buttons.
 Toggle Full Screen	View > Full Screen	Toggles between showing the Normal and Full Screen views of <i>Recorder</i> desktop activity in the <i>Remote Viewer</i> window. If you are currently in the Normal view, the view will change to Full Screen . If you are currently in the Full Screen view, the view will return to Normal. For more information about changing views in <i>Remote Viewer</i> , see <i>Observing a Recording in Remote Viewer</i> .
 Toggle Scale to Fit	View > Scale to Fit	Toggles the Scale to Fit option on and off. When enabled, the desktop activity on <i>Recorder's</i> screen will be scaled to fit in <i>Remote Viewer's</i> viewing window. If the Scale to Fit option is already enabled, then choose this button again to disable it.

Toolbar Button & Option Name	Corresponding Menu Option(s)	Description
 Create a Marker	Marker >Create Marker [choose letter]	<p>The dropdown menu contains the 26 letters of the alphabet and corresponding hotkey combinations. From the menu, choose the Type for the Marker. Each Marker Type can be used an unlimited number of times.</p> <p>The <i>Marker Notes</i> pane will appear. Enter an optional Name and text Description, and then click Send.</p> <p>For more information about setting Markers in <i>Remote Viewer</i>, see <i>Creating Markers in Remote Viewer</i>.</p>

Remote Viewer Status Bar

The *status bar* in *Remote Viewer* displays valuable textual messages about the status of the connection between *Remote Viewer* and *Recorder*, and also the status of the recording session. It displays the name of the user currently logged on to the *Remote Viewer* machine. And, it features the **Connection** and **Recording Status** icons, which provide quick visual indicators of the status of both the connection to *Recorder* and the current recording session.





Note: The status bar is always visible by default when *Remote Viewer* is launched. To hide the status bar, choose **View > Status Bar** from the menu bar. The checkmark next to the status bar menu option will be removed.



- ① **Status Bar.** The status bar displays helpful information about the connection to *Recorder*. It also tells you the status of the most recent recording session and the name of the Remote Viewer user.
- ② **Viewer.** This area of the status bar indicates the name of the user who is currently logged on to this *Remote Viewer*.
- ③ **Connection Status Icon.** This icon visually indicates the status of the connection to *Recorder*. For example, if the icon is green, *Remote Viewer* is successfully connected to *Recorder*. For more information, see *Connection Status Icon*.
- ④ **Recording Status Icon.** This icon visually indicates the status of the recording session. For example, if this icon is a crossed-out circle, no recording is in progress. For more information, see *Recording Status Icon*.



Connection Status Icon

As illustrated in the following table, the **Connection Status** icon indicates the status of the connection between *Remote Viewer* and *Recorder*.

Connection Status Icon	Status of Connection with <i>Recorder</i>
	No attempt has been made to establish a connection with <i>Recorder</i> ; or <i>Remote Viewer</i> has been disconnected from <i>Recorder</i> .
	An attempt to connect <i>Remote Viewer</i> to <i>Recorder</i> was unsuccessful.
	There is an active connection with <i>Recorder</i> .
	A connection attempt is in progress.

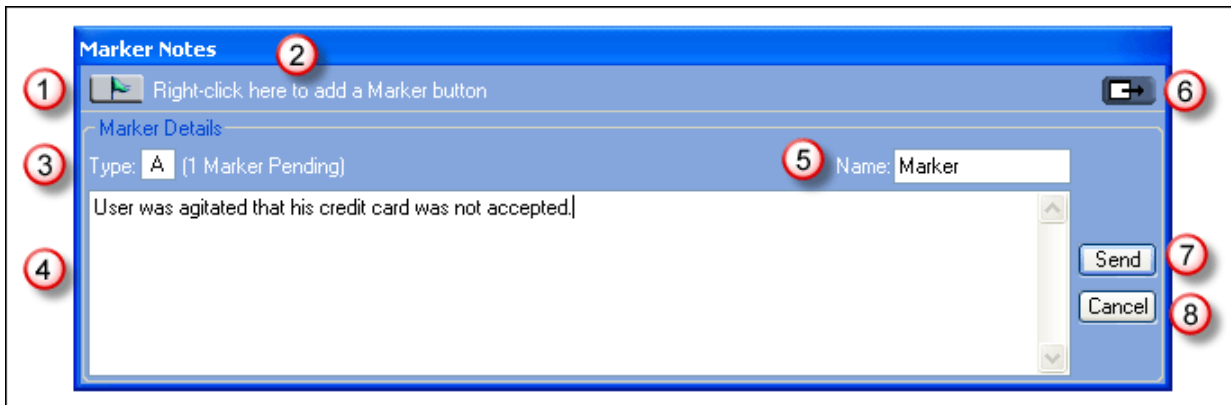
Recording Status Icon

As illustrated in the following table, the **Recording Status** icon indicates the status of the recording session being viewed with *Remote Viewer*.

Recording Status Icon	Status of Recording Session
	<i>Recorder</i> is either not currently recording, or <i>Remote Viewer</i> is not connected to <i>Recorder</i> .
	<i>Recorder</i> is recording a session and <i>Remote Viewer</i> is displaying the recording.

Remote Viewer Marker Notes Pane

The *Marker Notes* pane contains a variety of options for creating and labeling your Markers during a recording. The pane will appear as a floating window every time you initiate a Marker, but it can also be docked in the *Remote Viewer* window — simply drag and drop it to the bottom edge of *Remote Viewer*'s viewing window. If you want the *Notes* pane to be in view at all times, choose **View > Marker Notes** from the menu bar.



- 1 **Create a Marker button.** Click this button to create a Marker. Choose a Marker type from the menu that appears. This type will appear in the **Type** field.
- 2 **Marker button toolbar.** Right-click on this toolbar area to add buttons for frequently used Markers.
- 3 **Type.** This field displays the Type selected for the current Marker. To change the type, highlight the field and enter a new letter using the keyboard.
- 4 **Description.** Enter an optional text description for the Marker in this area.
- 5 **Name.** This field displays the name of the current marker. All Markers are named “Marker” by default. To give a Marker a different name, highlight this field and enter a new name.
- 6 **Dock/Undock button.** Choose this button to toggle between the docked and floating states of the *Marker Notes* pane.
- 7 **Send.** Choose this option to send the current Marker to *Recorder*.
- 8 **Cancel.** Choose this option to cancel the current Marker.

Remote Viewer Menus

The following section describes all of *Remote Viewer*'s dropdown menu options. Many of the most-used menu options can also be conveniently accessed from the main toolbar. For more information about the options available on *Remote Viewer*'s toolbar, see *Remote Viewer Toolbar Options*.

- Remote Viewer Connection Menu
- Remote Viewer View Menu
- Remote Viewer Marker Menu
- Remote Viewer Remote Control Menu
- Remote Viewer Help Menu



Remote Viewer Connection Menu

The options on the *Connection* menu allow you to establish *Remote Viewer*'s connection to *Recorder*, to disconnect *Remote Viewer* from *Recorder*, and to exit the *Remote Viewer* application. To access the *Connection* menu, choose **Connection** from the menu bar, and a dropdown menu appears.




Description of Options on the Connection Menu

The following table describes each of the options on the *Connection* menu.

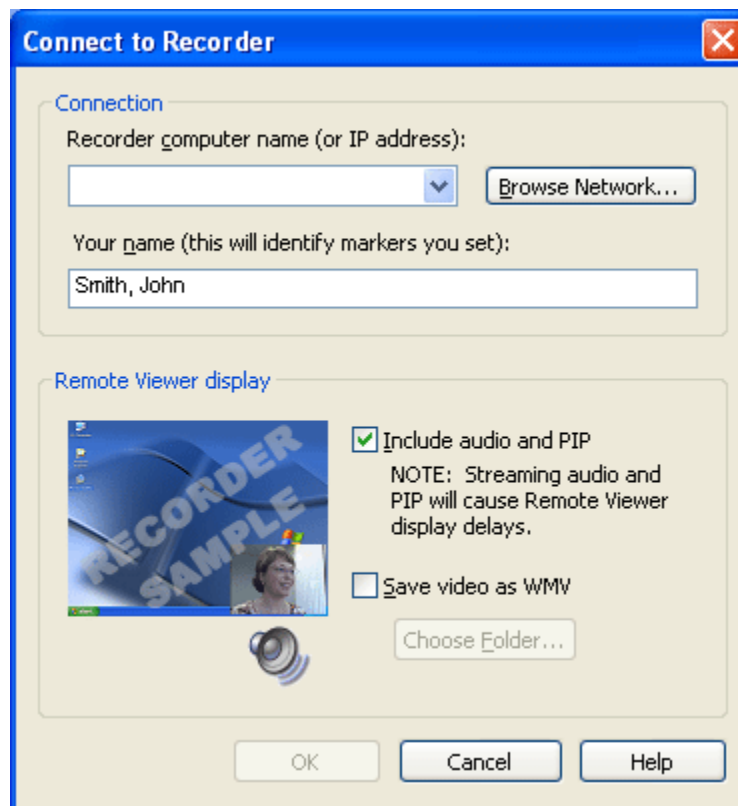
Toolbar button	Option	Description and Use
	Connect	<p>This option allows you to establish a connection between <i>Remote Viewer</i> and <i>Recorder</i>.</p> <p>Choose Connect and the <i>Connect to Recorder</i> dialog box appears. For more information about the options in this dialog box, see <i>Connect to Recorder Dialog Box Options</i>.</p> <p>Note: For a connection to occur, the <i>Recorder</i> must be installed and launched on the selected machine. Also, the Allow Remote Viewer option must be chosen in <i>Recorder's Configuration</i> pane.</p>
	Disconnect	<p>This option disconnects <i>Remote Viewer</i> from <i>Recorder</i>. Choose Disconnect and a dialog box appears, asking “Do you want to disconnect from the Recorder?”</p> <p>To disconnect, choose Yes. To exit the dialog box without disconnecting, choose No.</p>
	Exit	Choose this option to exit the <i>Remote Viewer</i> application.

Connect to Recorder Dialog Box Options

The options in the *Connect to Recorder* dialog box help you to establish a connection between the *Recorder* source computer and *Remote Viewer*. To access this dialog box, choose **Connection** > **Connect** or choose the

Connect to Recorder button  from the toolbar.

For step-by-step information about connecting *Remote Viewer* to *Recorder*, see *Establishing a Connection to Recorder*.



Description of Options in the Connect to Recorder Dialog Box

The following table describes each of the options in the *Connect to Recorder* dialog box.

Option	Description and Use
Recorder computer name (or IP address)	<p>Choose the name of the computer on which the <i>Recorder</i> is running. If you know the name of the computer, simply type it in the box provided. Alternatively, use one of the most recently used computer names from the dropdown list.</p> <p>For help finding the computer name, see <i>Connecting Remote Viewer(s) to Recorder</i>. See also, <i>Choosing a Recorder Computer Name when Connecting over a Network</i>.</p>
Browse Network	<p>Choose this button to browse the local network for the name of the <i>Recorder</i> computer.</p>
Your name	<p>Type in the name of the person who will be using this <i>Remote Viewer</i> machine. The name entered in this field will be associated with all Markers created at this <i>Remote Viewer</i> station (until <i>Remote Viewer</i> is disconnected and another name is entered here). <i>Recorder</i> will not allow the simultaneous connection of two <i>Remote Viewers</i> with the same <i>Remote Viewer</i> user name.</p> <p>Note: If the person at this <i>Remote Viewer</i> machine will be controlling <i>Recorder</i>, then the name you enter here must match the one designated in the <i>Recorder</i> configuration.</p>

Option	Description and Use
Include audio and PIP	Select this option if you wish to hear user audio and view camera video (PIP) in addition to the screen video. Important: Due to the streaming technology used to send the audio and PIP data to <i>Remote Viewer</i> , you will experience a noticeable delay between the time the data is sent by <i>Recorder</i> and the time it is received by <i>Remote Viewer</i> . Deselect this option if you wish to view only the screen video. The screen video will be displayed in real time (no delay).
Save video as WMV	Choose the Save video as WMV option if you want the audio, screen video and camera video streams to be saved in a WMV file that will be available for immediate playback when the recording is complete. Note: If you have deselected the Include audio and PIP option, then only the screen video stream will be saved to the WMV file.
Choose Folder	Choose this option to open the <i>Browse for Folder</i> dialog box, which allows you to locate and select an output folder for the <i>Remote Viewer</i> video files.
OK	Choose OK to accept changes, exit the dialog box and initiate a connection with <i>Recorder</i> .
Cancel	Choose Cancel to exit the dialog box without initiating a connection.
Help	Choose Help to access the online help system for <i>Remote Viewer</i> .

Choosing a Recorder Computer Name when Connecting over a Network

When you are connecting to *Recorder* over a network, the **Recorder Computer Name** that you need to supply in *Remote Viewer's* *Connect to Recorder* dialog box will vary depending on your network setup.

If you are using the machine name only (for example, MyComputer) and you cannot successfully connect, try using either the fully qualified domain name or the IP address of the *Recorder* machine, as described below.

Use the Fully Qualified Domain Name

If the network does not recognize *Recorder's* machine name, it may be because it is not listed in your DNS server. In this case, consult your network administrator for the machine's fully qualified domain name, and enter that into the **Recorder Computer Name** field.

Example: MyComputer.techsmith.com (where "MyComputer" is the machine name and "techsmith.com" is the domain name).

Use the IP Address

If you are unable to connect to *Recorder* using the fully qualified domain name, you will need to enter the IP address of the *Recorder* machine.

When you connect to a LAN, your machine is assigned an IP (internet protocol) address. This address identifies your computer from the other computers on the network. The IP address can either be static, meaning that it never changes, or dynamic, meaning that each time you dial-in or login, the computer is assigned a new address for that session.

Ask your network administrator whether the network uses static or dynamic IP addressing. If IP addresses are assigned dynamically, you may need to check the IP address for the *Recorder* computer each time that it is logged on to the network.

To Find a Computer's IP address (for Windows 2000 and XP):

1. Go to *Windows Start > Run*
2. In the *Run* dialog box, type **cmd** to bring up a command line.
3. At the command line, type **ipconfig**. The Windows IP Configuration for that machine will be displayed.
4. Type this IP address into the **Recorder Computer Name** field in *Remote Viewer's Connect to Recorder* dialog box.

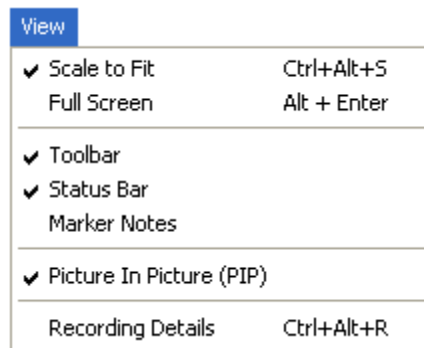
Example:

An IP address has the following format: 10.8.2.42.

Remote Viewer View Menu



The *View* menu allows you to adjust the way the recording that is being sent by the *Recorder* appears in the *Remote Viewer*. Using the options on this menu, you can also view or hide the toolbar, status bar and *Marker Notes* pane, and you can view the details associated with the recording.

To access the *View* menu, choose **View** from the menu bar and a dropdown menu appears:



Description of Options on the View Menu

The following table describes each of the options on the *View* menu.

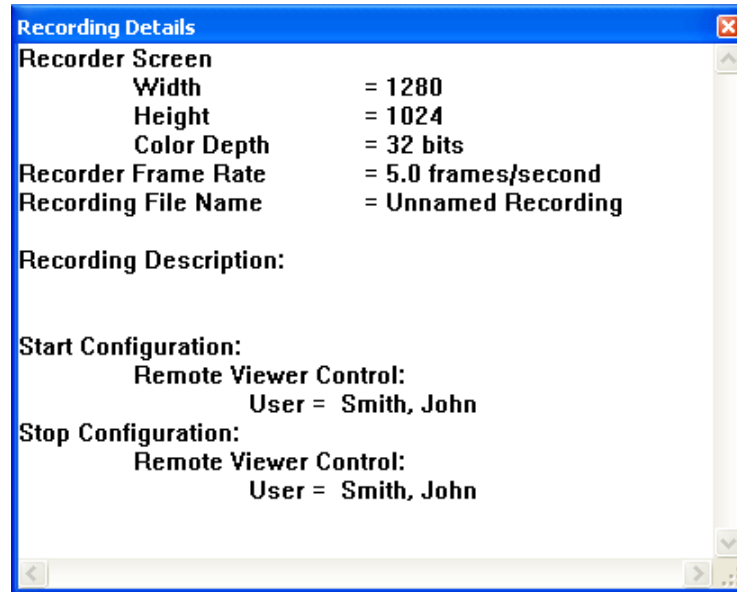
Option	Description and Use
Scale to Fit 	<p>If the resolution setting of the <i>Recorder's</i> computer is higher than the computer running <i>Remote Viewer</i>, then choosing this option will fit the <i>Recorder's</i> screen into the <i>Remote Viewer's</i> viewing window.</p> <p>To select the Scale To Fit option, choose View > Scale to Fit from the menu bar or click the Scale To Fit button on the toolbar. To return to the Normal view, repeat either action.</p>
Full Screen 	<p>This option fills the <i>Remote Viewer</i> computer's screen with the <i>Recorder</i> source computer's desktop. A floating <i>Viewer</i> toolbar remains visible and movable.</p> <p>To select the Full Screen view, choose View > Full Screen from the menu bar or click the Full Screen button on the toolbar.</p> <p>To return to Normal view, click the Full Screen button again or use the Alt-Enter hotkey combination.</p>

Option	Description and Use
Toolbar	<p>This option allows you to view or hide the <i>Remote Viewer</i>'s main toolbar.</p> <p>By default, the toolbar is visible. To hide the toolbar, choose View > Toolbar. To view the toolbar again, repeat this action.</p>
Status Bar	<p>This option allows you to view or hide the status bar at the bottom of the <i>Remote Viewer</i>'s screen.</p> <p>By default, the status bar is visible. To hide the status bar, choose View > Status Bar. To view the status bar again, repeat this action.</p>
Marker Notes	<p>This option allows you to view or hide the <i>Marker Notes</i> pane. By default, the <i>Notes</i> pane is hidden. To view the <i>Notes</i> pane, choose View > Marker Notes. To hide the <i>Notes</i> pane again, repeat this action.</p> <p>Even when the View > Marker Notes option is disabled, the <i>Notes</i> pane will appear each time you create a Marker. It will hide again once you have sent the Marker.</p>
Picture in Picture (PIP)	<p>This option allows you to view or hide the picture in picture (PIP) window in <i>Remote Viewer</i>.</p> <p>By default, the PIP is visible. To hide the PIP window, choose View > Picture in Picture (PIP). To view the PIP again, repeat this action.</p>
Recording Details	<p>This option displays details about the recording in progress. The data displayed include the <i>Recorder</i> source computer's screen width, height, and color depth, as well as the frame rate and file name of the recording, and any text that was entered into <i>Recorder</i>'s <i>Recording Details</i> area prior to recording. Start and stop options from <i>Recorder</i>'s configuration are also displayed here.</p> <p>To view the details, choose View > Recording Details, and the <i>Recording Details</i> dialog box will appear. For more information about this dialog box, see <i>Recording File Details Options</i>. To close the <i>Recording Details</i> dialog box, choose the Close button in the upper right-hand corner of the box.</p>

Recording Details Window

The *Recording Details* dialog box displays data about the current recording session. These data include the *Recorder* source computer's screen width, height, and color depth, as well as the frame rate and file name of the *Recorder*, and any text that was entered into *Recorder*'s *Recording Details* area prior to recording. In version 1.1 and beyond of *Remote Viewer*, this window will also display the name of the viewer who has been designated for the remote control of *Recorder*.

To access the *Recording Details* dialog box, choose **View > Recording Details** from the menu bar. The dialog box is displayed:

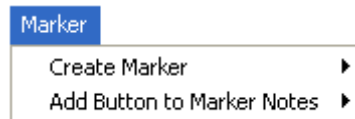


Remote Viewer Marker Menu

The options on the *Marker* menu allow you to create a new marker or add a button to the *Marker Notes* pane. The flyout menu for each of these options contains the letters of the alphabet, which you can use to choose a Marker Type for the new Marker or button.

Note: If you do not want to assign a Type to the Marker you are creating, choose the **(none)** option on the **Create Marker** flyout menu. Likewise, you can add a **(none)** button to the *Notes* pane by choosing (none) from the **Add Button to Marker Notes** flyout menu.

To access the *Marker* menu, choose **Marker** from the menu bar and a dropdown menu appears:



Description of Options on the Marker Menu

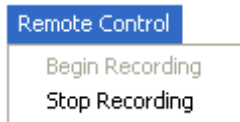
The following table describes each of the options on the *Marker* menu.

Option	Description and Use
Create Marker	Choose this option to create a new Marker in the recording. Select the desired Marker Type letter from the flyout menu. The <i>Notes</i> pane will appear. Enter a name and text note for the Marker, if desired, and then choose Send .
Add Button to Marker Notes	Choose this option to add a new button to the <i>Notes</i> pane. Select the desired Marker Type letter from the flyout menu. The button, with the Type you've chosen, will appear in the toolbar in the <i>Notes</i> pane. Note: You can also right-click on the <i>Notes</i> pane toolbar to add a button.

Remote Viewer Remote Control Menu



The options on the *Remote Control* menu allow a designated *Remote Viewer* user to start and stop *Recorder* remotely.

Note: Only the viewer designated in the *Start details* and *Stop details* options in *Recorder's* current configuration will have access to the *Remote Control* menu options and toolbar buttons.



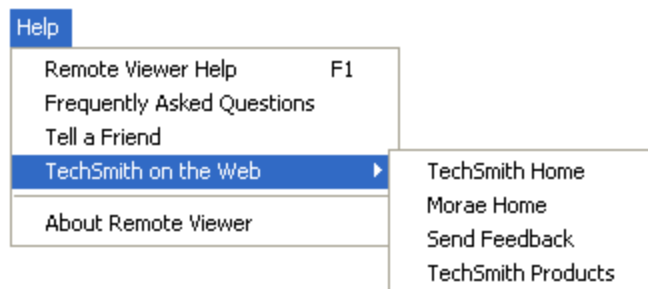
Description of Options on the Remote Control Menu

The following table describes each of the options on the *Remote Control* menu.

Toolbar Button	Option	Description and Use
	Begin Recording	Choose this option to start <i>Recorder</i> and begin a recording.
	Stop Recording	Choose this option to stop <i>Recorder</i> and end the current recording.

Remote Viewer Help Menu

The *Help* menu gives you access to the online help for the *Remote Viewer* application. To access the *Help* menu options, choose Help from the menu bar. A dropdown menu will appear:



Description of Options on the Help Menu

The following table describes each of options on the *Help* menu.

Option	Description
Remote Viewer Help	This option takes you to the online help system for <i>Remote Viewer</i> .
Frequently Asked Questions	Launches your Internet Browser and goes to the <i>Frequently Asked Questions</i> page on the TechSmith Web site. This page gives you information about <i>Morae</i> in FAQ format.
Tell a Friend	Launches the <i>Tell a Friend about Morae</i> page on the TechSmith Web Site, which provides a form that you can use to e-mail a friend with information about <i>Morae</i> .

Option	Description
TechSmith on the Web	<p>Choose this option to access a flyout menu of the following links to the TechSmith Web site:</p> <p>TechSmith Home: Takes you to the home page of the TechSmith Web site.</p> <p>Morae Home: Takes you to the product home page for <i>Morae</i>.</p> <p>Send Feedback: Takes you to an online general product feedback form that you can fill out and submit to TechSmith.</p> <p>TechSmith Products: Takes you to the TechSmith Products page.</p>
About Remote Viewer	<p>This option opens a dialog box that lists the version number for <i>Remote Viewer</i>. It also contains copyright and license information.</p>

Manager Reference

Overview

Morae Manager automatically indexes the screen and video recordings collected by *Recorder*, allowing you to easily search through recordings based on the occurrence of a certain activity – such as the execution of a certain keystroke, the navigation from one Web page to another, or the viewing of a specific text. Using *Manager* you can mark important Segments of a recording, perform in-depth analysis, and quickly create highlight videos to share.

Manager's functionality is divided between two tabs:

- **Analyzer** — The tools on the *Analyzer* tab allow you to search for events and text, create Segments, view and add Markers, and navigate through your recordings in a variety of ways.
- **Presenter** — The options on the *Presenter* tab assist you in creating a highlight video to share with others who are interested in the results of your analysis.

This section will give you detailed information about all of the options in *Manager*'s menus, regions, and dialog boxes.

For an orientation to the appearance and functionality of both of *Manager*'s tabs, as well as the processes involved in using these tabs, see *Getting Started with Manager*.







Analyzer Tab's Toolbar Options

Analyzer tab's toolbar contains the most-used menu options in a conveniently accessible location. This section offers a detailed description of those options.



Description of Analyzer Tab's Toolbar Options

The following table describes the options available on the *Analyzer* tab's toolbar.

Toolbar Button	Option Name	Corresponding Menu Option	Description and Use
	New Project	File > New Project	Allows you to create a new project.
	Open Project	File > Open Project	Allows you to browse for and open an existing project.
	Save Project	File > Save Project	Allows you to save the current project
	Import Recording	File > Import Recording	Allows you to import recordings into the currently open project.
	Toggle Camera	View > Camera Video	Allows you to toggle the <i>Camera Video</i> pane between its hidden and visible states.
	Manager Help	Help > Manager Help	Allows you to access the online help for <i>Manager</i> .

Analyzer Tab's Menus

This section describes each of the options on the *Analyzer* tab's dropdown menus.

- Analyzer File Menu
- Analyzer Segment Menu
- Analyzer Marker Menu
- Analyzer Search Menu
- Analyzer View Menu
- Analyzer Player Menu
- Analyzer Help Menu

Analyzer File Menu

The *Analyzer* tab's *File* menu options allow you to create new projects, open existing projects, save, remove and rename recordings, and easily access your most recently opened projects. Using the options on this menu, you can also import recordings, import and export components of recordings, create and edit *Recorder* configuration files, and set global preferences for *Manager*.

Note: You must create or open a project before you can import, rename, or remove recordings in *Manager*.

File	
New Project...	Ctrl+N
Open Project...	Ctrl+O
Close Project	
Save Project	Ctrl+S
Save Project As...	
Import Recording...	Ctrl+I
Import Project Components...	
Export Project Components...	
Rename Recording	
Remove Recording	
Recorder Configuration	F7
Preferences	
1 Online Store 2	
Exit	

Description of File Menu Options

The following table describes each of the options available on the *File* menu.

Option	Description and Use
New Project	Creates a new project in <i>Manager</i> . Opens the <i>Create New Project</i> wizard, in which you will be prompted to give the new project a name and import recordings, if desired.

Option	Description and Use
Open Project	Opens the <i>Open an existing project file</i> dialog box, which allows you to browse for and select an existing project to open in <i>Manager</i> . Choose Open to open the selected project; choose Cancel to exit without opening a project.
Close Project	Closes a project that is open in <i>Manager</i> . If the project has been modified while open, you will be asked whether you want to save changes before it is closed.
Save Project	Saves the project. This option is only available if the project has been modified since you opened or created it. When you choose this option, a standard Save dialog will appear, allowing you to name the project and choose a location for it.
Save Project As	Allows you to save the project under a different name, and/or in a different location. When you choose this option, a standard Save As dialog will appear, allowing you to give the project a new name and/or choose a new location for it.
Import Recording	Opens the <i>Import Recording</i> dialog box, which allows you to select one or more recordings to import into an open project in <i>Manager</i> . Select the desired recordings and choose Open . Choose Cancel to exit the dialog box without importing recordings.
Import Project Components	Allows you to import components (including Title Clips and recordings with added Markers and Segments) from another <i>Manager</i> project into the current project. For more information, see <i>Exporting and Importing Project Components</i> and <i>Import Project Components Options</i> .
Export Project Components	Allows you to export components (including Title Clips and recordings with added Markers and Segments) to a Morae Project Component Archive (.mpca) file. This file can then be imported into another project using the File > Import Project Components option described above. For more information, see <i>Exporting and Importing Project Components</i> and <i>Export Project Components Options</i> .
Rename Recording	Makes the name of the recording you have selected editable. Simply type the desired new name directly into <i>Project</i> pane. You can also right-click and choose Rename Recording from the context menu that appears.
Remove Recording	Removes the selected recording from the <i>Project</i> pane in <i>Manager</i> . When you choose this option, you will be prompted to confirm that you want to remove the files you've selected. Choose Yes to remove them. Choose No to leave the recordings in <i>Manager</i> . Note: Removing the recording does not delete the original recording (.rdg) file. However, any Segments, Markers, and Clips you added while the recording was in the project will be lost when you remove that recording.
Recorder Configuration	Gives you access to the <i>Recorder Configuration</i> dialog box, which allows you to create a new configuration file for <i>Recorder</i> , or open and edit a previously saved configuration file. For more information about the options in this dialog box, see <i>Recorder Configuration Dialog Box Options</i> .
Preferences	Opens the <i>Preferences</i> dialog box, which allows you to choose not to see the welcome dialog box on startup, to select a default location for project storage and to quickly disable hardware acceleration for your primary and secondary displays. For more information, see <i>Preferences Dialog Box Options</i> .
Recent project list	Contains a list of up to four projects that have been recently opened in <i>Manager</i> .
Exit	Exits the <i>Manager</i> application.

Enter Password Options

The *Enter Password* dialog box appears any time you try to import a recording or component file into *Manager* that is password protected. Enter the password to “unlock” the protected file so that *Manager* can import it.

Note: Remember your password. Once you’ve assigned a password, you will not be able to open the file in *Manager* without it. TechSmith cannot retrieve your password or open the file for you if you forget your password.



Description of Enter Password Options

The following table describes all of the options in the *Enter Password* dialog box.

Option	Description and Use
Password	Enter the password that you chose to protect the file.
OK	Choose OK to accept changes and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Create New Project Wizard

To access the *Create New Project* wizard, launch *Manager* and choose the **Create New Project** radio button on the *Welcome* wizard. There are two screens in the Wizard, which are described in this section.

Project Name Options

The first screen in the *Create New Project* wizard is the *Project Name* screen. The *Project Name* screen allows you to enter a name for your new project.

Create New Project

Project Name (Step 1 of 2)
Enter a name for the project

Project Name:
Online Store

Save and Exit Wizard

< Back Next > Cancel Help

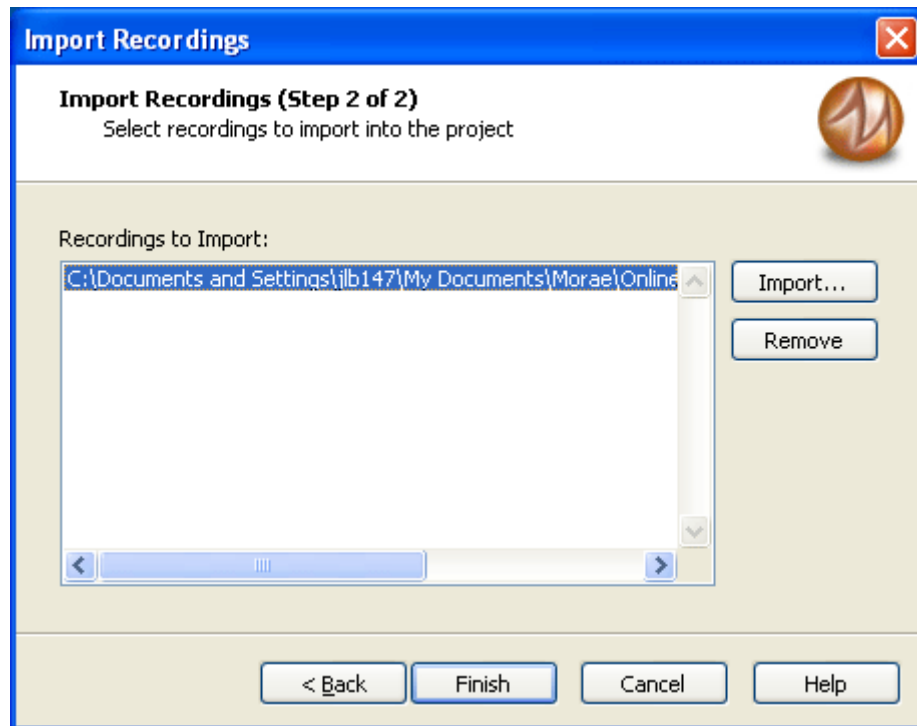
Description of Project Name Options

The following table describes each of the options available in the *Project Name* screen of the *Create New Project* wizard.

Option	Description and Use
Project Name	Enter a name for the project in this field.
Save and Exit Wizard	Choose this option to create a new project and exit the wizard without importing any recordings into the project.
Back	This option is disabled because this is the first screen in the wizard.
Next	Choose Next to move to the next step in the wizard.
Cancel	Choose Cancel to exit the wizard without creating a new project.
Help	Choose Help to access the help system for <i>Manager</i> .

Import Recordings Options

The second screen in the *Create New Project* wizard is the *Import Recordings* screen. The *Import Recordings* screen allows you to import and remove recordings from your new project.



Description of Import Recordings Options

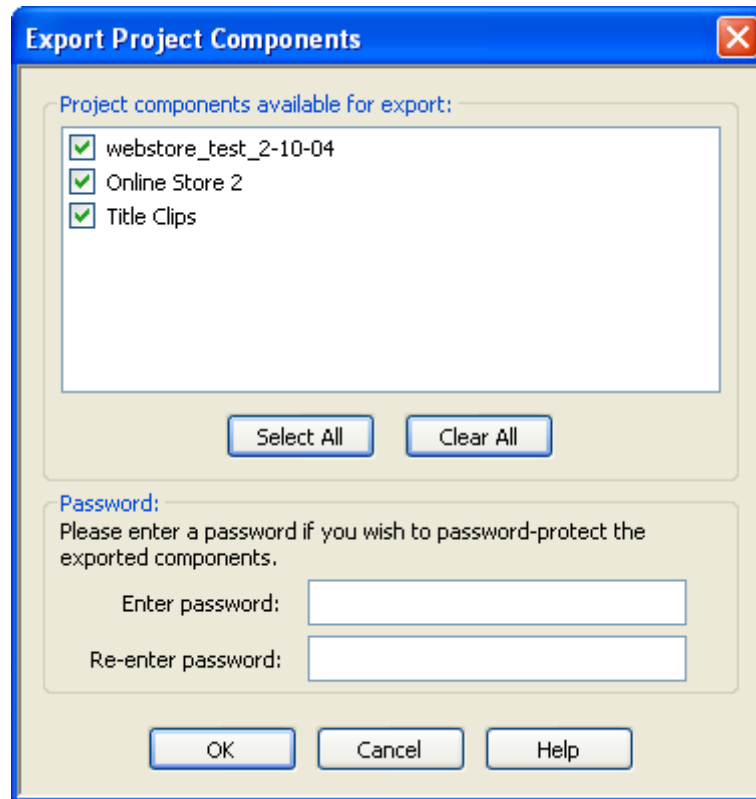
The following table describes each of the options available in the *Import Recordings* screen of the *Create New Project* wizard.

Option	Description and Use
Recordings to Import	This area displays the names of the recordings you have selected to import.
Import	Choose Import to browse for recordings to import.
Remove	Choose Remove to remove the selected recording from the <i>Recordings to Import</i> list.
Back	Choose Back to go to the previous screen in the wizard.
Finish	Choose Finish to create the new project.
Cancel	Choose Cancel to exit the wizard without creating a new project.
Help	Choose Help to access the help system for <i>Manager</i> .

Export Project Components Options

The options in the *Export Project Components* dialog box allow you to select project components that you wish to export to a Morae Project Component Archive (.mpca) file. Project components include recordings and Title Clips. The archive file can then be imported in to *Manager* using the **File > Import Project Components** option. This is a convenient way to move components from project to project and to share components with other *Morae* users. For information about how to export project components, see *Exporting and Importing Project Components*.

To access the *Export Project Components* dialog box, choose **File > Export Project Components**.



Description of Export Project Components Options

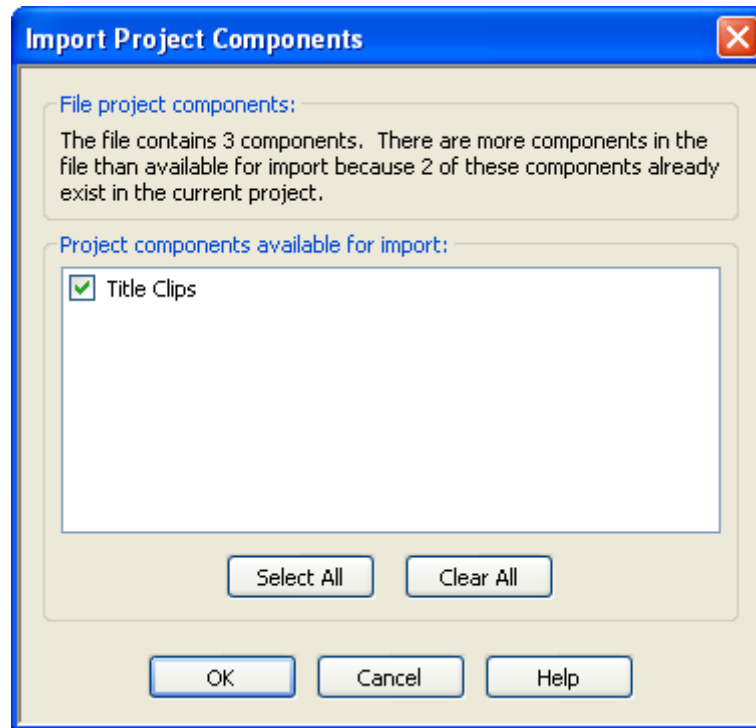
The following table describes each of the options available in the *Export Project Components* dialog box.

Option	Description and Use
Project components available for export	Project components that are available for export into a Morae Project Component Archive (.mpca) file are listed here. Place a checkmark next to the components you wish to export.
Select All	Click this button to select all of the components in the list for export. Checkmarks will be placed next to all of the options in the list.
Clear All	Click this button to deselect all of the components in the list for export. Checkmarks will be removed from all of the options in the list.
Enter password	Choose a password if you wish to password-protect the exported components. Enter it in the first field.
Re-enter password	Re-enter the password in this field to confirm your choice.
OK	Choose OK to accept changes and exit the <i>Preferences</i> dialog box.
Cancel	Choose Cancel to exit the <i>Preferences</i> dialog box without making changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Import Project Components Options

The options in the *Import Project Components* dialog box allow you to select project components that you wish to import from a Morae Project Component Archive (.mpca) file into the project you have currently open in *Manager*. Project components include recordings and Title Clips. The archive file can then be imported in to *Manager* using the **File > Import Project Components** option. This is a convenient way to move components from project to project and to share components with other *Morae* users. For information about how to import project components, see *Exporting and Importing Project Components*.

To access the *Import Project Components* dialog box, choose **File > Import Project Components**.



Description of Import Project Components Options

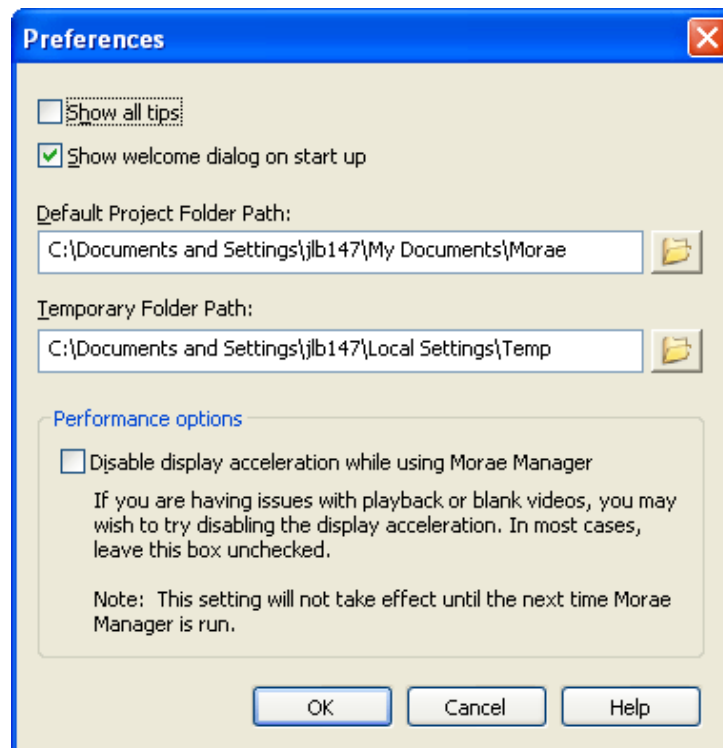
The following table describes each of the options available in the *Import Project Components* dialog box.

Option	Description and Use
File project components	The statement in this group box indicates the total number of files contained in the .mpca file, as well as how many of these files already exist in the current project.
Project components available for import	<p>This group box lists the project components that are available for import. Place a checkmark next to the components you would like to import into the current project. Components that already exist in the current project will not be listed here because they cannot be imported again.</p> <p>Note: Components in the current project cannot be overwritten by components with the same name from an .mpca file. If you wish to replace the components in a current project with imported components that have the same name, you must first delete the components from the original project and then import them using the Import Project Components option.</p>
Select All	To select all of the listed components for import, click this button.

Option	Description and Use
Clear All	To deselect all of the listed components that have been chosen for import, click this button.
OK	Choose OK to accept changes and exit the <i>Preferences</i> dialog box.
Cancel	Choose Cancel to exit the <i>Preferences</i> dialog box without making changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Preferences Dialog Box Options

The *Preferences* dialog box allows you to choose not to see the *Welcome* dialog box on startup, to select a default location for project storage, and to quickly disable hardware acceleration for your displays. To access the *Preferences* dialog box, choose **File > Preferences**.



Description of Preferences Options

The following table describes each of the options available in the *Preferences* dialog box.

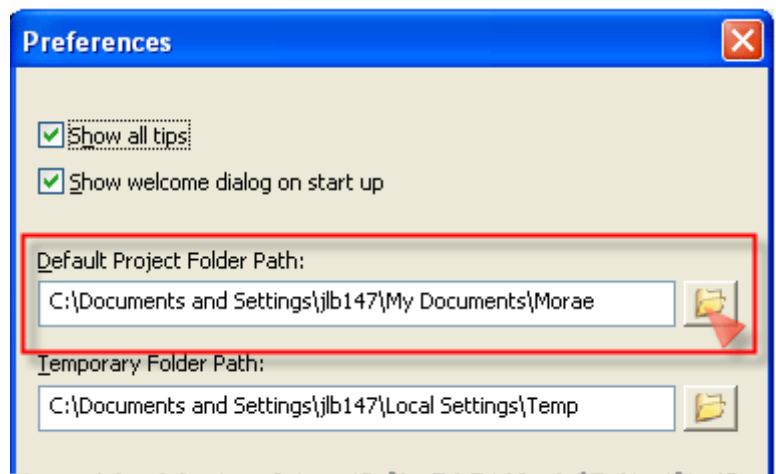
Option	Description and Use
Show all tips	Enables the general program tip dialogs that appear throughout <i>Manager</i> . Deselect this option to disable the tips.
Show welcome dialog on start up	Enables the <i>Welcome</i> dialog in <i>Manager</i> . This option is enabled by default. If you do not wish to see the <i>Welcome</i> dialog on start up, uncheck the adjacent box.

Option	Description and Use
Default Project Folder Path	Allows you to specify the default location for <i>Manager</i> to save <i>Morae</i> project (.mpr) files. Choose the Browse button to browse for the desired location. See also <i>Changing the Default Project Path</i> .
Temporary Folder Path	Allows you to specify the location in which <i>Morae</i> should store temporary files during highlight video production. This is your Windows temporary directory by default.
Disable display acceleration while using Morae Manager	Place a checkmark in this box to disable hardware acceleration for your monitor. This will generally result in more reliable playback of your recordings, if you are having problems. However, choosing this option will also reduce CPU performance. Note: This setting will not take effect until the next time you open <i>Manager</i> .
OK	Choose OK to accept changes and exit the <i>Preferences</i> dialog box.
Cancel	Choose Cancel to exit the <i>Preferences</i> dialog box without making changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Changing the Default Project Path

While you are working within a project, *Manager* transfers a large amount of data to and from the default project folder. For the best performance from *Manager*, be sure to choose a default project folder that is located on a local drive (on the same machine).

To change your **Default Project Path** in *Manager* choose **File > Preferences**, and then click the **Browse** button next to the **Default Project Path** field to browse for and select a new location.

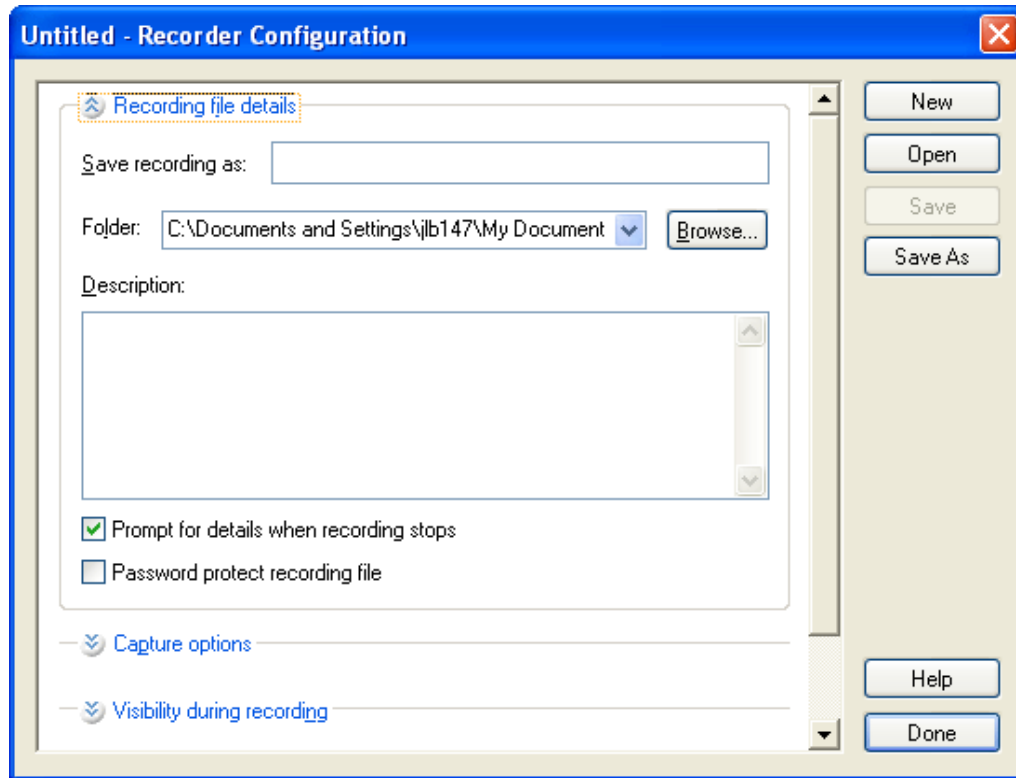


Recorder Configuration Dialog Box Options

The options in the *Recorder Configuration* dialog box allow you to create a new configuration file for *Recorder*, or open and edit a previously saved configuration file. To access the *Recorder Configuration* dialog box, choose **File > Recorder Configuration** from the menu bar.

The options in this dialog box are identical to those in *Recorder's Configuration Pane*. The table below summarizes the configuration categories in this dialog box; however, the options within each category are discussed in more detail under the topic *Configuration Pane Options*.

For information about creating a configuration file for *Recorder*, see *Custom Recording*.



Description of Recorder Configuration Options

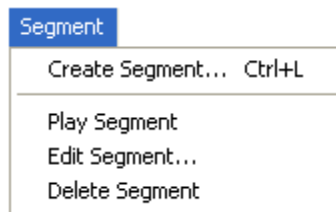
The following table describes each of the options available in the *Recorder Configuration* dialog box.

Category/Option	Description and Use
Recording file details	These options allow you to enter a description that is specific to a recording session, either prior to the recording or when the recording stops. You can also specify the file name and destination folder for the recording, and password-protect the recording files, if you wish. For more information, see <i>Recording File Details Options</i> .
Capture options	These options allow you to specify which data streams you want <i>Recorder</i> to capture during a session. You can choose any combination of options, depending on the data you want to collect. For more information, see <i>Capture Options</i> .
Visibility during recording	These options allow you to specify the desired level of visibility that <i>Recorder</i> has on the source computer during a recording session. You can set <i>Recorder</i> to be visible as a tray icon when minimized, or visible on the taskbar. You can also choose to hide <i>Recorder</i> completely during recording. For more information, see <i>Visibility during Recording Options</i> .
Start details	These options allow you to start a recording when a particular event occurs, or at a specific time and/or date. In this area you can also assign remote control of <i>Recorder</i> to a <i>Remote Viewer</i> .

Category/Option	Description and Use
	user. For more information, see <i>Start Details Options</i> .
Stop details	These options allow you to stop a recording based on an event, at a time, or after a duration that you specify in advance. In this area you can also assign remote control of <i>Recorder</i> to a <i>Remote Viewer</i> user. For more information, see <i>Stop Details Options</i> .
New	Choose New to create a new configuration file.
Open	Choose Open to open an existing configuration file.
Save	Choose Save to save the configuration file with its current name.
Save As	Choose Save As to save the configuration file with a different name or in a specific location.
Help	Choose Help to access the help system for <i>Manager</i> .
Done	Choose Done when you are finished working in the <i>Recorder Configuration</i> dialog box.



Analyzer Segment Menu

The *Analyzer* tab's *Segment* menu options allow you to create, play, edit, and delete video Segments. To access some of the items on this menu, you must have a Segment selected in the *Project* pane.



Description of Segment Menu Options

The following table describes each of the options available on the *Segment* menu.

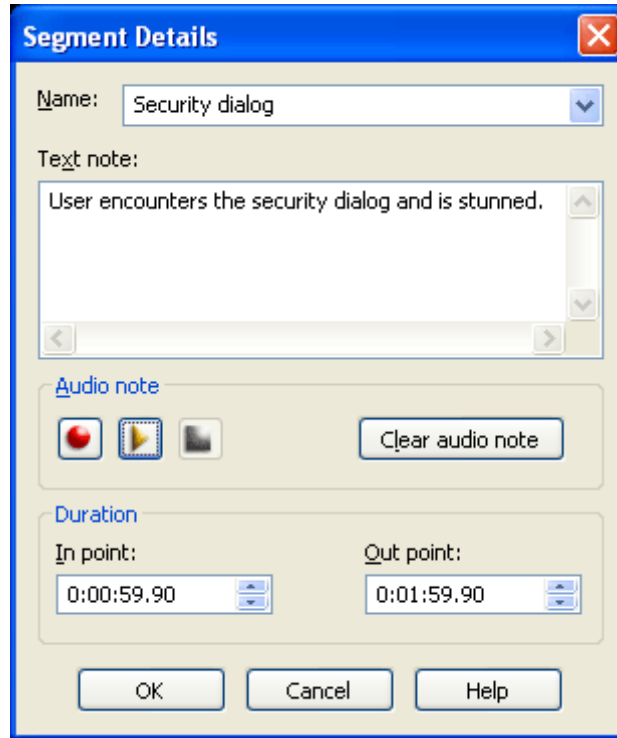
Option	Description and Use
Create Segment	Opens the <i>Segment Details</i> dialog box, allowing you to create a Segment between the In and Out points on the timeline. For more detailed information, see <i>Segment Details Options</i> .
Play Segment	The seek bar advances to the In Point  and plays until it reaches the Out Point  of the selected Segment.
Edit Segment	Opens the <i>Segment Details</i> dialog box allowing you to change the properties of the selected Segment. For more information, see <i>Segment Details Options</i> .
Delete Segment	Deletes the selected Segment.

Segment Details Options

The *Segment Details* dialog box appears any time you create a new Segment or edit an existing Segment. It contains options that allow you to name the Segment, add text and audio annotations, and fine tune the **In** and **Out** points of the Segment.




To access the *Segment Details* dialog box, choose **Segment > Create Segment** or select an existing Segment in the *Project* pane and choose **Segment > Edit Segment**. You can also right-click on any existing Segment and choose **Edit Segment** from the context menu that appears.

For more information about creating a Segment, see *Marking Important Points in a Recording*.



Description of Segment Details Options

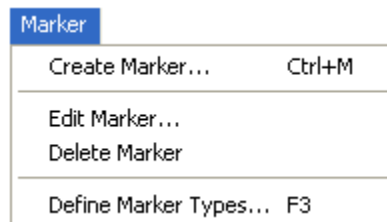
The following table describes each of the options available in the *Segment Details* dialog box.

Option	Description and Use
Name	Allows you to name or rename the selected Segment.
Text note	Allows you to attach a text note to the selected Segment.
Audio note	Allows you to record an audio note that will be attached to the selected Segment. Choose the Record button  to record. Choose the Play button  to playback your audio note. Choose the Stop button  to stop recording or playing your audio note.
Clear audio note	Allows you to remove a previously recorded audio note from the Segment.
Duration	Allows you to adjust the In point and Out point of the selected Segment.
OK	Choose OK to accept setting changes and exit the <i>Segment Details</i> dialog box.

Option	Description and Use
Cancel	Choose Cancel to exit the <i>Segment Details</i> dialog box without saving changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Analyzer Marker Menu

The options on the *Analyzer* tab's *Marker* menu allow you to add, view, edit and delete Markers, as well as assign meaningful definitions to your Marker types. To access some of the options on this menu, you must have a Marker selected in the *Project* pane.



Description of Marker Menu Options

The following table describes each of the options available on the *Marker* menu.

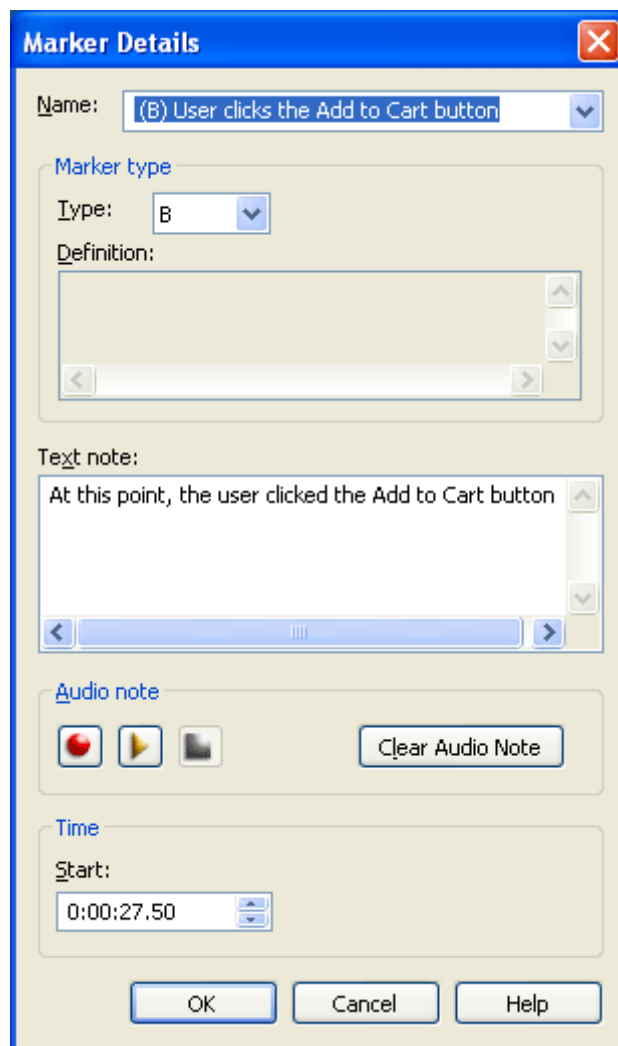
Option	Description and Use
Create Marker	Creates a Marker at the currently selected location on the seek bar. For more detailed information, see <i>Marker Details Options</i> .
Edit Marker	Opens the <i>Marker Details</i> dialog box allowing you to change the properties of the selected Marker. For more information, <i>Marker Details Options</i> .
Delete Marker	Deletes the selected Marker.
Define Marker Types	Opens the <i>Marker Definitions</i> dialog box, allowing you to assign meaningful definitions for Marker types, so that Markers can be grouped and analyzed. For more information, see <i>Marker Definitions Options</i> and <i>Defining Marker Types</i> .

Marker Details Options

The *Marker Details* dialog box appears any time you create or edit a Marker. It contains options that allow you to name the Marker, assign a Marker Type, view the Marker Definition (if one has been assigned) add text and audio notes, and adjust the Marker location.

To access the *Marker Details* dialog box, choose **Marker > Create Marker** from the menu bar, or select an existing Marker in the *Project* pane and choose **Marker > Edit Marker**. You can also right-click on any existing Marker and choose **Edit Marker** from the context menu that appears.

For more information about creating a Marker, see *Marking Important Points in a Recording*.



The **Marker Details** dialog box is used to configure a selected marker. It includes the following sections:




- Name:** A dropdown menu showing "(B) User clicks the Add to Cart button".
- Marker type:**
 - Type:** A dropdown menu showing "B".
 - Definition:** A text area for the marker's definition.
- Text note:** A text area containing the note "At this point, the user clicked the Add to Cart button".
- Audio note:**
 - Icons for audio file operations (record, play, delete).
 - A **Clear Audio Note** button.
- Time:**
 - Start:** A time field showing "0:00:27.50".

Buttons at the bottom: **OK**, **Cancel**, and **Help**.

Description of Marker Details Options

The following table describes each of the options available in the *Marker Details* dialog box.

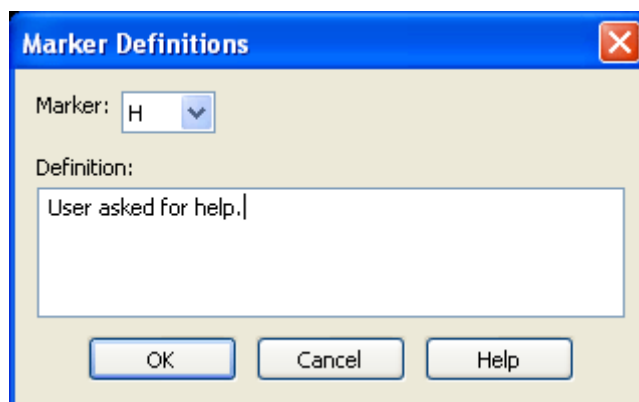
Option	Description and Use
Name	Allows you to name or rename the selected Marker.
Type	<p>In this group box you can assign an alphabetic Type to the Marker and view the definition of that Marker Type, if one has been designated.</p> <p>Symbol: Use the dropdown list to choose the letter you wish to assign as the Marker's Type.</p> <p>Definition: If the Type you have chosen in the Symbol field has a pre-assigned definition, it will be displayed in this area. The text in this area is not editable. To define Marker Types or to edit existing definitions, choose Marker > Define Marker Types from the menu bar. For more information see <i>Marker Definitions Options</i>.</p>
Text note	Allows you to attach a text comment to the selected Marker.

Option	Description and Use
Audio note	Allows you to record an audio note that will be attached to the selected Marker. Choose the Record button  to record. Choose the Play button  to playback your audio note. Choose the Stop button  to stop recording or playing your audio note.
Clear audio note	Allows you to remove a previously recorded audio note from the Marker.
Time	Allows you to adjust the start time of the Marker.
OK	Choose OK to accept setting changes and exit the <i>Marker Details</i> dialog box.
Cancel	Choose Cancel to exit the <i>Marker Details</i> dialog box without saving changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Marker Definitions Options

The options in the *Marker Definitions* dialog box allow you to assign meaningful text definitions to the Marker Type letters. To access the *Marker Definitions* dialog box, choose **Marker > Define Marker Types**.

For more information about creating and using Marker definitions, see *Defining Marker Types*.



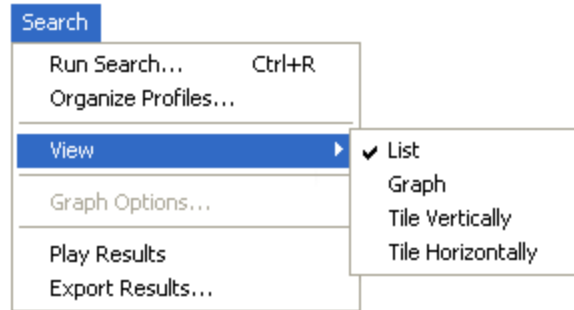
Description of Marker Definitions Options

The following table describes each of the options available in the *Marker Definitions* dialog box.

Option	Description and Use
Marker	Use the dropdown list to choose the alphabetic Marker that you wish to define.
Definition	Type a definition of the selected Marker type in the text box provided.
OK	Choose OK to accept changes to the Marker definition and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the Help system for <i>Manager</i> .

Analyzer Search Menu

The options on the *Analyzer* tab's *Search* menu allow you to access the powerful search functions of *Manager*, change the way you view you results, select graph options, and play and export your search results.



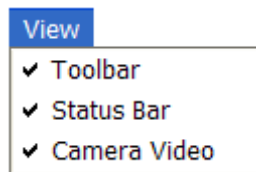
Description of Search Menu Options

The following table describes each of the options available on the *Search* menu.

Option	Description and Use
Run Search	Choose this option to open the <i>Search Editor</i> , which allows you to customize your search parameters and run a search. For more information, see <i>Searching</i> and <i>Search Editor Options</i> .
Organize Profiles	Choose this option to access the <i>Organize Search Profiles</i> dialog box. The options in this dialog box allow you to move, rename, delete, import and export search profiles and groups. For more information, see <i>Organize Search Profiles Options</i> .
View	Allows you to select the way the <i>Search</i> pane will display the session events: <ul style="list-style-type: none"> • List shows the data in a table. • Graph displays the data as a line graph or histogram (bar graph). • Tile Vertically displays the data in both formats side by side. • Tile Horizontally displays the data in both formats one on top of the other.
Graph Options	Opens the <i>Graph Options</i> dialog box, which allows you to change options related to the graph resolution and type (line or histogram). For more information, see <i>Graph Options Dialog Box Options</i> .
Play Results	Opens the <i>Results Playback</i> window, which contains playback controls that allow you to view the individual results that you searched for within the <i>Search</i> pane. For more information, see <i>Results Playback Dialog Box Options</i> .
Export Results	Allows you to save the data associated with the events you searched for as a comma-separated (.csv) file that can be opened in applications such as Microsoft Excel.

Analyzer View Menu

The *Analyzer* tab's *View* menu lets you choose which regions of the tab you want to hide or show: the toolbar, status bar, and the *Camera Video* pane.



Description of View Menu Options

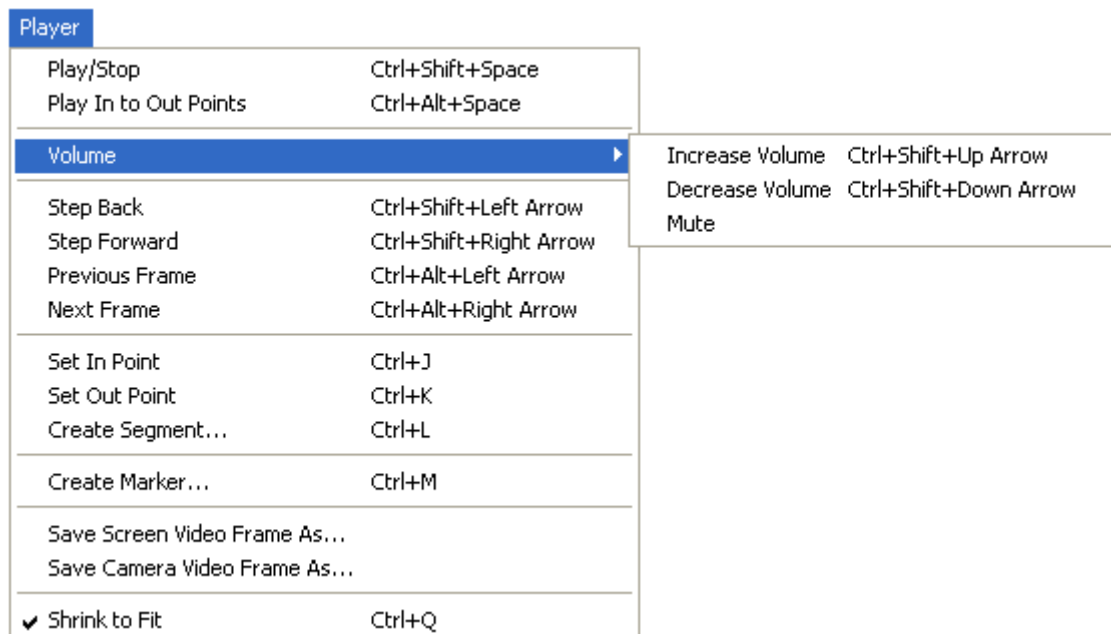
The following table describes each of the options available on the *View* menu.

Option	Description and Use
Toolbar	Toggles the toolbar between its visible and hidden states.
Status Bar	Toggles the status bar, located along the bottom of the <i>Manager</i> screen, between its visible and hidden states.
Camera Video	Toggles the <i>Camera</i> pane between its visible and hidden states.

Analyzer Player Menu












The *Analyzer* tab's *Player* menu options allow you to access the functionality of the *Player Window*. From the *Player* menu, you can play and stop the recording, change the audio volume, and move forward or backward through the recording. You can also set the In and Out Points, and create Segments and Markers.

The two **Save Frame As** options let you capture and save a still frame of either the screen video or camera video.



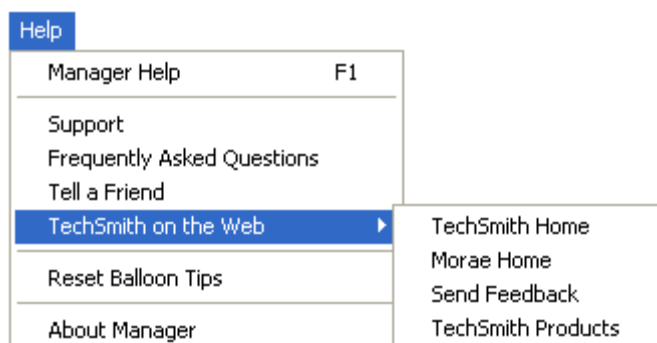
Description of Analyzer Tab's Player Menu Options

The following table describes each of the options available on the *Analyzer* tab's *Player* menu.

Menu Option	Corresponding Player Button(s)	Description and Use
Play/Stop		Starts and stops the screen recording at the current position of the seek bar. Choose the menu option again to stop the playback.
Play In to Out Points		Allows you to play a section of the video from the current position of the In Point  to the current position of the Out Point  on the seek bar.
Volume		Allows you to Increase , Decrease , or Mute audio volume for <i>Manager</i> .
Step Back		Steps the video backward by 50 milliseconds.
Step Forward		Steps the video forward by 50 milliseconds.
Previous Frame	N/A	Allows you to rewind the video one frame at a time.
Next Frame	N/A	Allows you to advance the video one frame at a time.
Set In Point		Sets the In Point at the current seek bar position.
Set Out Point		Sets the Out Point at the current seek bar position.
Create Segment		Creates a Segment with the current In Point and Out Point settings.
Create Marker		Creates a Marker at the current seek bar location.
Save Screen Video Frame As	N/A	Captures and saves a snapshot of the screen video currently displayed in the <i>Player Window</i> .
Save Camera Video Frame As	N/A	Captures and saves a snapshot of the camera video currently displayed in the <i>Camera Pane</i> .
Shrink To Fit	N/A	Resizes the screen recording video to allow you to see the full frame within the <i>Player Window</i> .

Analyzer Help Menu

The options on the *Help* menu offer you several ways to access additional help with *Manager* and the other *Morae* components.



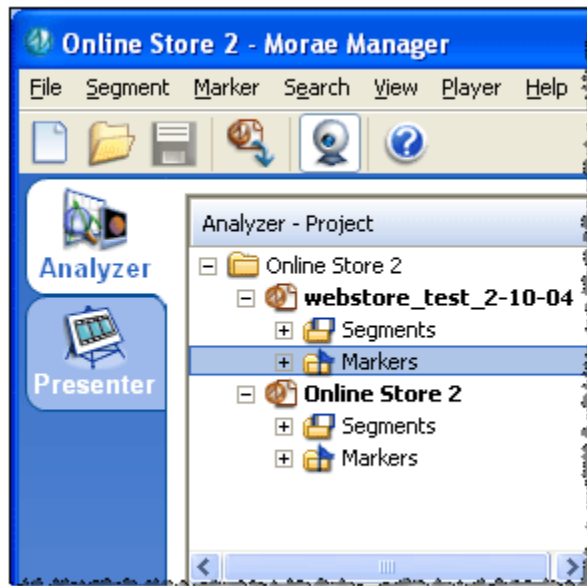
Description of Help Menu Options

The following table describes each of the options available on the *Help* menu.

Option	Description and Use
Manager Help	Opens the main help file for <i>Morae Manager</i> .
Support	Opens the <i>Morae Support</i> dialog box, which allows you to create a diagnostic file to send to TechSmith's Technical Support Department. This is helpful if you cannot troubleshoot a problem that you are having with <i>Morae</i> ; the diagnostic file contains detailed information that can help the Tech Support specialist to determine the source of the problem.
Frequently Asked Questions	Takes you to the <i>Morae</i> FAQ page on the TechSmith Web site.
Tell a Friend	Launches the Tell a Friend about <i>Morae</i> page on the TechSmith Web Site, which provides a form that you can use to e-mail a friend with information about <i>Morae</i> .
TechSmith on the Web	Choose this option to access a flyout menu of the following links to the TechSmith Web site: TechSmith Home: Takes you to the home page of the TechSmith Web site. Morae Home: Takes you to the product home page for <i>Morae</i> . Send Feedback: Takes you to an online general product feedback form that you can fill out and submit to TechSmith. TechSmith Products: Takes you to the TechSmith Products page.
Reset Balloon Tips	The first couple of times that you use <i>Manager</i> , you will see directional balloon tips appear to give instructions or to indicate the results of an action you just took. After they appear twice, these tips will turn off. To enable these tips again, choose Help > Reset Balloon Tips .
About Manager	Displays the <i>Morae Manager</i> version number and copyright information.

Analyzer Tab's Project Pane

The *Analyzer* tab's *Project* pane allows you to move easily through your recordings, Segments, and Markers.



The top-level folder in the *Project* pane is automatically given the same name as the project that you currently have open. Within that folder, you will see the titles of the recordings you have imported into the project. You can rename and add folders to the *Project* pane, as needed.

When you've created at least one Segment or Marker from a recording file, folders to contain those items will appear under the corresponding recording. Click on the expand/collapse button next to each folder to see the items contained within that folder.

For more information about working with projects, see *Creating a Project and Importing Recordings*.

Navigating in the Project Pane











To view an item, click on the item in the *Project* pane. The *Player* will jump to the beginning of the selected item in the video. Details related to the selected item will appear in the *Details* pane, and the first frame of any available camera video will display in the *Camera* pane. To play the item, double-click it, drag it to the *Player Window*, or simply hit the **Play** button.

Note: The *Presenter* tab's *Project* pane is very similar in appearance and function. However, in the *Presenter* tab's *Project* pane, you cannot edit your project items.

Description of Project Pane Icons


The following table describes the icons used in the *Project* pane.

Icon	Legend	Icon	Legend
	Folder		Remote Viewer Marker with audio note
	Recording		Remote Viewer Marker with text note
	Manager Marker		Remote Viewer Marker with text and audio note

	Manager Marker folder		Segment
	Manager Marker with audio note		Segment folder
	Manager Marker with text note		Segment with audio note
	Manager Marker with text and audio note		Segment with text note
	Remote Viewer Marker		Segment with text and audio note

Analyzer Tab's Player Window

The *Player Window* allows you to view and navigate through the screen video portion of your recording. The main regions of the *Player Window* are described in the following graphic. All of the player control tools can also be found on the *Player* menu in *Analyzer*. For more detailed information about the *Player* controls, see *Analyzer Player Menu*.

Note: You can undock the *Player Window* using the **Dock/Undock** button .

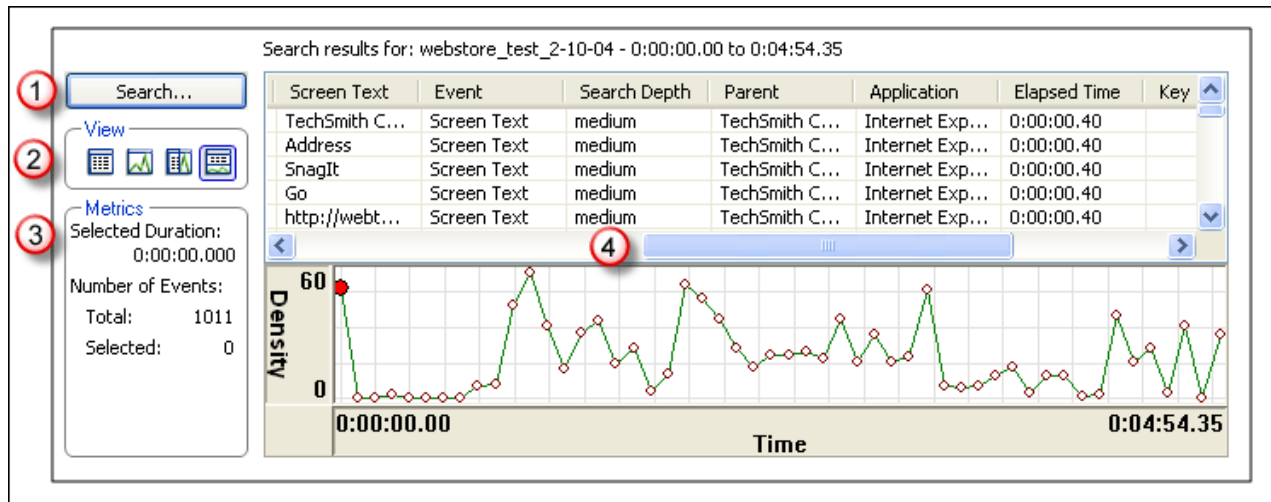


-
- 1** **Player Window.** The *Player Window* displays the screen video from the currently selected recording, Segment, or Marker.
 - 2** **Seek Bar.** The seek bar allows you to move quickly forward and backward through the screen video and to seek directly to Markers, Segments, and In and Out points marked on the seek bar.
 - 3** **Player Controls.** Using the *Player* controls, you can navigate through the recording, set In and Out points, and create Markers and Segments.
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Analyzer Tab's Search Pane

The tools in the *Search* pane allow you to create and conduct customized searches during a specific time span. You can narrow and sort searches using a variety of criteria and then export your search results for further use in applications such as Microsoft Excel.

For more information about using the search functions in this pane, see *Searching*.



1 Search button. The **Search** button gives you access to the *Search Editor* dialog box. Using the options in the *Search Editor*, you can refine and save your searches. For more information about the options in this dialog box, see *Search Editor Options*.

2 View. The buttons in the *View* group box allow you to change the way you view your results in the List/Graph area. For more information about the options in the View group box, see *View Group Box Options*.

3 Metrics. The *Metrics* area displays the time between selected events (in any List view), as well as the total number of events and number of selected events.

4 List/Graph area. The *List/Graph* area displays the results of your search in the *View* format you've chosen in the *View* group box. If you right-click in the title bar of a column in the List view, a menu appears that allows you to sort the information in the column in Sort Ascending or Sort Descending order. The columns that appear in the List View vary depending on the type of search you are conducting. For more information, see *List View Columns*.

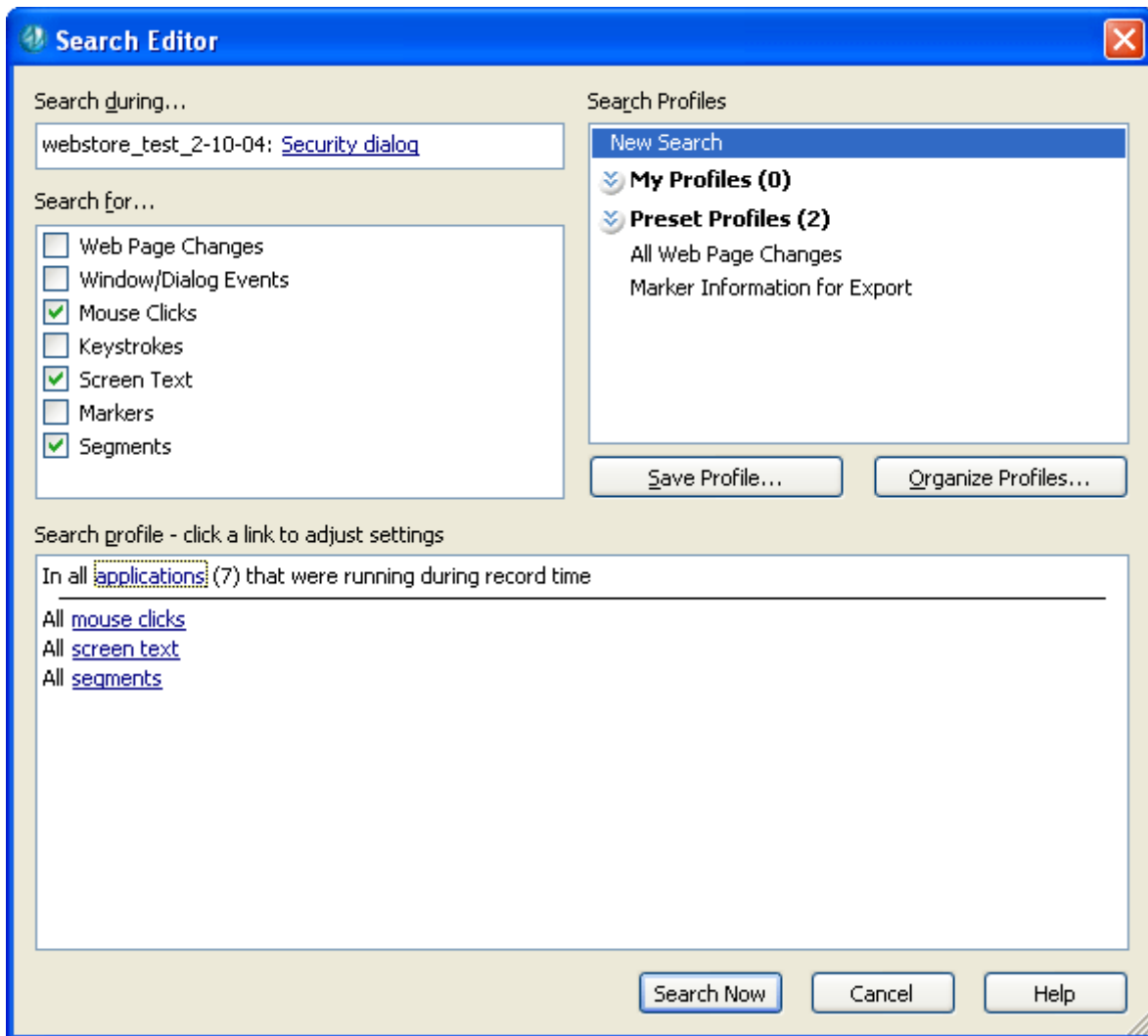
If you right-click in the results area of the List view, you get a context menu that contains options for playing and exporting the results. For more information about the options on this menu, see *List View Context Menu Options*.

If you right-click on the graph view, you get a context menu that contains Graph Options. For more information, see *Graph Options Dialog Box Options*.

Search Editor Options

With *Manager's Search Editor*, the analysis process is faster and more informative than ever before. The *Search Editor* allows you to specify a time span for your search, choose the categories of events you want to search for (Web Page Changes, Mouse Clicks, etc.), and then narrow your search using options specific to each category. Once you've created a custom search profile, you can use it immediately or save it in your *Search Profiles* list. For more information about customizing and conducting searches, see *Searching*.

To access the *Search Editor*, click the **Search** button in the *Search* pane or choose **Search > Run Search**.



Description of Search Editor Options

The following table describes each of the options available in the *Search Editor* dialog box.

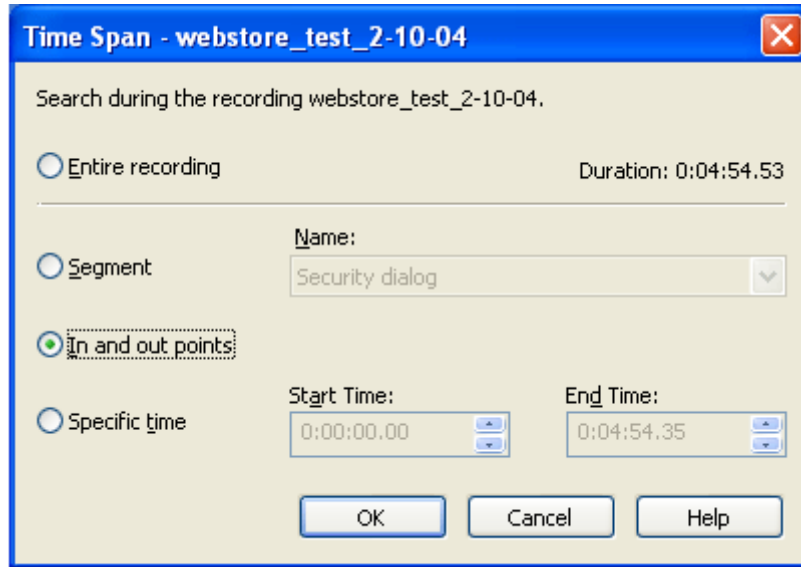
Option	Description and Use
Search during	This field displays the time span that you have selected for your search. The time span (entire recording, segment, or current In and Out points) can be selected before you open the <i>Search Editor</i> . The time span can also be adjusted once you are in the <i>Search Editor</i> by clicking on the hyperlink in this field and choosing a new time span in the <i>Time Span</i> dialog box. For more information, see <i>Time Span Options</i> .

Option	Description and Use
<p>Search for</p> <p>Note: For each option that you enable, an editable line will appear in the <i>Search profile</i>.</p>	<p>Place a checkmark next to the categories you want your search to include:</p> <p>Web Page Changes – Choose this option to include all or specific web page changes. You can narrow the search to include only those pages with specific text in the URL or page title. For more information, see <i>Web Page Changes Options</i>.</p> <p>Window/Dialog Events – Choose this option to include windows/dialogs that were moved or resized. For more information, see <i>Window/Dialog Events Options</i>.</p> <p>Mouse Clicks – Choose this option to include mouse clicks on all or specific mouse buttons. These can be in combination with modifier keys, and/or within a specific window/dialog. For more information, see <i>Mouse Clicks Options</i>.</p> <p>Keystrokes – Choose this option to include specific keys that were pressed. For more information, see <i>Keystrokes Options</i>.</p> <p>Screen Text – Choose this option to include specific text that appeared on the screen. For more information, see <i>Screen Text Options</i>.</p> <p>Markers – For more information, see <i>Markers Options</i>.</p> <p>Segments – For more information, see <i>Segments Options</i>.</p>
Search Profiles pane	<p>This area allows you to choose from a variety of preset and custom search profiles, to run the last search performed, and to clear all profile settings to start a new search.</p> <p>Last Search – Choose this option to run the last search again.</p> <p>New Search – Choose this option to clear any selections in the <i>Search Editor</i> and begin creating a new search profile.</p> <p>My Profiles – This group is provided as a convenient place to store your custom profiles.</p> <p>Preset Profiles – This group contains two search profiles with preset options, one that will search for all Web page changes, and one that will find all Marker information for export.</p>
Save Profile	Choose this option to save a search profile for reuse later. The <i>Save Search As</i> dialog will appear, allowing you to name the profile and select a group in which to save it. For more information, see <i>Save Search Profile As Options</i> .
Organize Profiles	Choose this option to access the <i>Organize Favorite Searches</i> dialog box, which allows you to move, rename, delete, import and export search profiles. For more information, see <i>Organize Search Profiles Options</i> .
Search profile	This area displays the language of the search profile as it is currently configured. It reflects the categories you've chosen in the <i>Search for</i> pane, and the options related to those categories. To adjust the settings for a particular category, click on the link related to that category in the search profile.
Search Now	Choose Search Now to conduct the search. Results will appear in the <i>Search</i> pane.
Cancel	Choose Cancel to exit the dialog without conducting a search.
Help	Choose Help to access the help system for <i>Manager</i> .

Time Span Options



The options in the *Time Span* dialog box allow you to change the time span for your search once you are inside the *Search Editor*.

To access the *Time Span* dialog box, from inside the *Search Editor*, click on the hyperlink inside the **Search during** field.



Description of Time Span Options

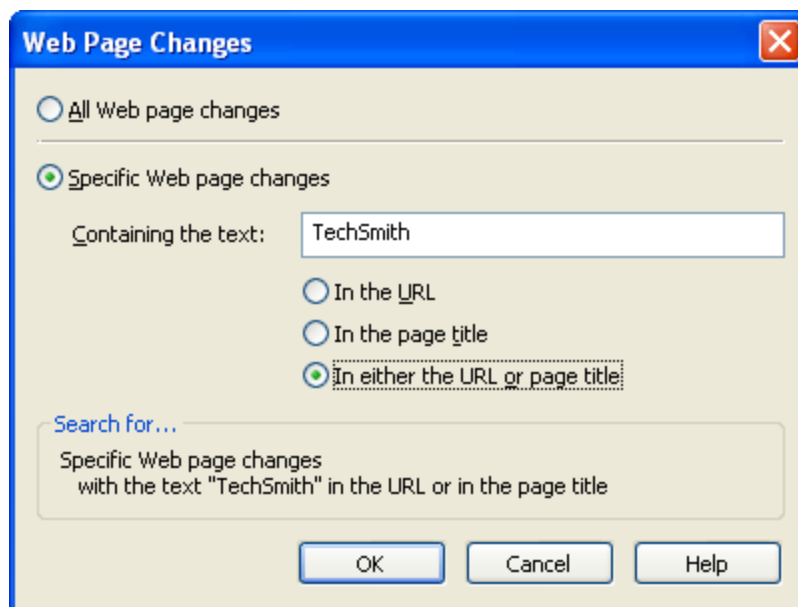
The following table describes each of the options available in the *Time Span* dialog box.

Option	Description and Use
Entire recording	Choose the option to apply your search to the entire recording.
Segment	Choose this option to apply your search to a specific Segment. Select the desired Segment from the dropdown list.
In and out points	Choose this option to apply your search to section of the recording between your current In  and Out  Points on the seek bar.
Specific time	Choose this option if you wish to search between a specific Start Time and End Time in the recording. To change the time in the Start or End Time field, place your cursor in the area of the time field that you wish to adjust, and then use the up and down arrows to arrive at the desired time.
OK	Choose OK to accept selections and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Web Page Changes Options

The options in the *Web Page Changes* dialog box allow you to search for either all Web page changes or just specific Web pages based on the text in the URL or page title.

To access the *Web Page Changes* dialog box, from within the *Search Editor* choose the **Web Page Changes** in the *Search for* field, and then click on the **Web page changes** hyperlink in the *Search profile*.



Description of Web Page Changes Options

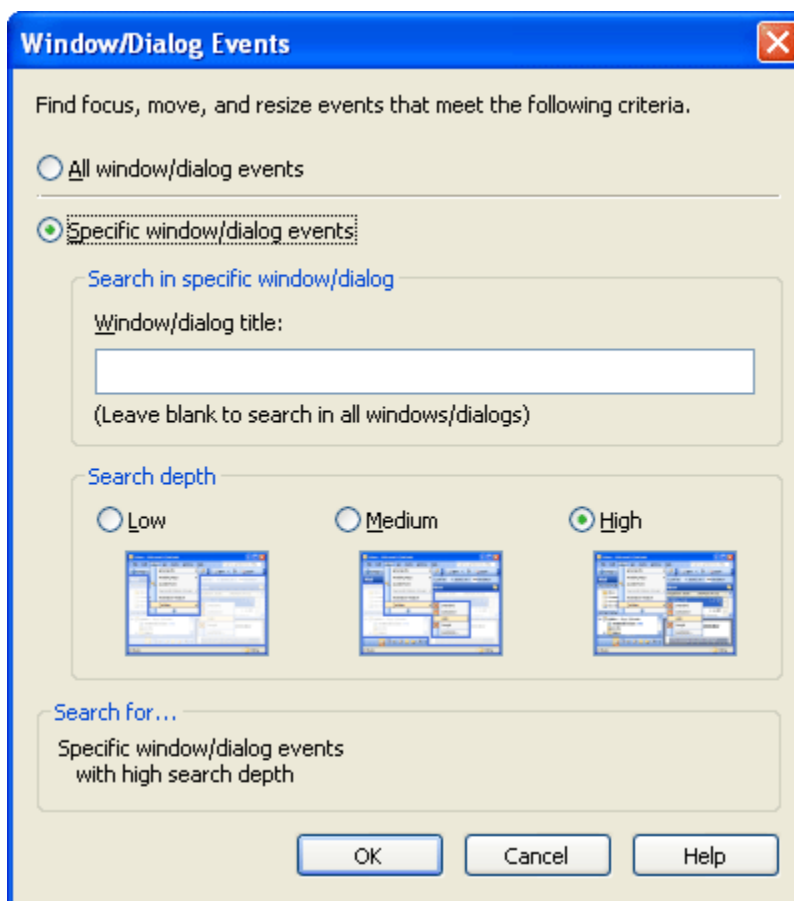
The following table describes each of the options available in the *Web Page Changes* dialog box.

Option	Description and Use
All Web page changes	Choose this option to include all Web page changes in your search results.
Specific Web page changes	Choose this option if you want only Web page changes that include specific text in the title or URL to be included in your search results.
Containing the text	In this field, enter the specific text that you wish to search for in the Web page titles/URL. Then, choose one of the following options: In the URL – Choose this option if the specified text should appear in the URL of the Web page. In the page title – Choose this option if the specified text should appear in the title of the Web page. In either the URL or page title – Choose this button if the specified text can appear either in the Web page title or URL.
Search for	This area displays the statement that will appear in your search profile based on the choices you've made in this dialog box.
OK	Choose OK to accept selections and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Window/Dialog Events Options

The options in the *Window/Dialog Events* dialog box allow you to search for windows/dialogs that had focus, or were moved or resized during a recording. You can search for all window/dialog events or include only those windows/dialogs with specific text in the window title.

To access the *Window/Dialog Events* dialog box, from within the *Search Editor* choose the **Window/Dialog Events options** in the *Search for* field, and then click on the **window/dialog events** hyperlink in the *Search profile*.



Description of Window/Dialog Events Options

The following table describes each of the options available in the *Window/Dialog Events* dialog box.

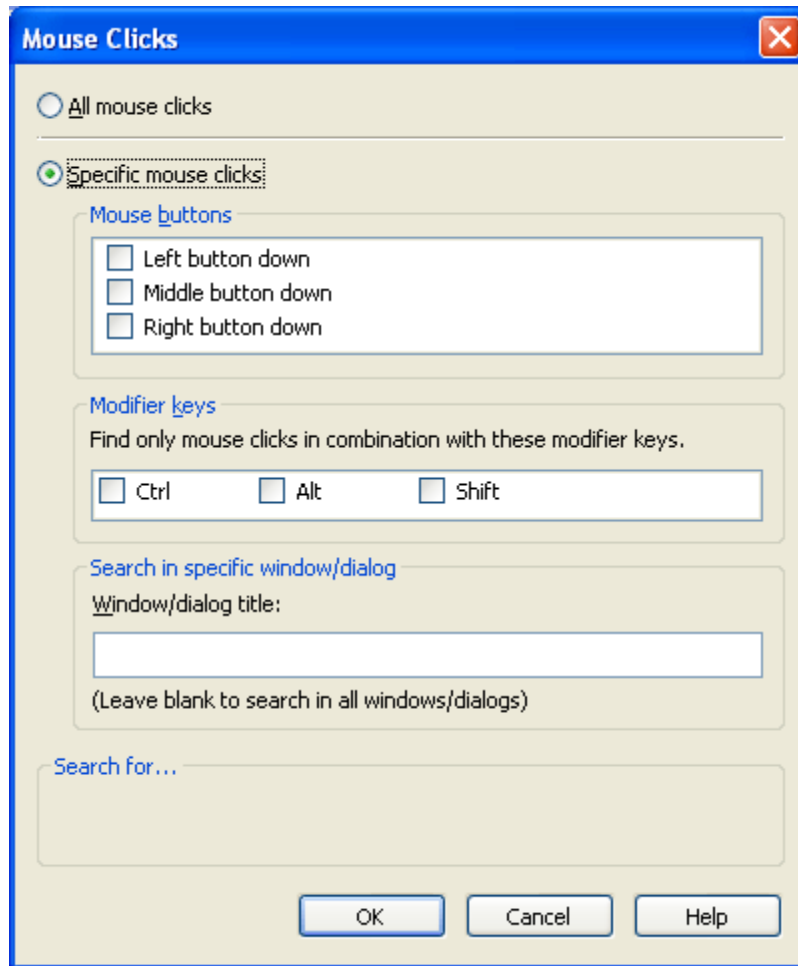
Option	Description and Use
All window/dialog events	Choose this option to search for all windows/dialogs that had focus, or were moved or resized. The Search depth will automatically be set to High .
Specific window/dialog events	In the Window/dialog title field, enter the text that appears in the title of the specific/window you are searching for. If you leave this field blank, the search will include all window/dialog events.

Option	Description and Use
Search depth	<p>This option allows you to choose the depth of the window/dialog search.</p> <p>Low – Search results will include the focus, move and size events from only the window/dialog that had focus.</p> <p>Medium – Search results will include the focus, move and size events from the windows/dialogs in the application that had focus.</p> <p>High – Search results will include all of the focus, move and size events from the windows/dialogs in all applications running during the recording.</p>
Search for	This area displays the statement that will appear in your search profile based on the choices you've made in this dialog box.
OK	Choose OK to accept selections and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Mouse Clicks Options

The options in the *Mouse Clicks* dialog box allow you to search for all mouse clicks that occurred during a particular time span. You can also search by the button clicked and modifier keys used with that button. Finally, you can search for mouse clicks that occurred inside a specific window/dialog.

To access the *Mouse Clicks* dialog box, from within the *Search Editor* choose the **Mouse Clicks** option in the *Search for* field, and then click on the **mouse clicks** hyperlink in the *Search profile*.



Description of Mouse Clicks Options

The following table describes each of the options available in the *Mouse Clicks* dialog box.

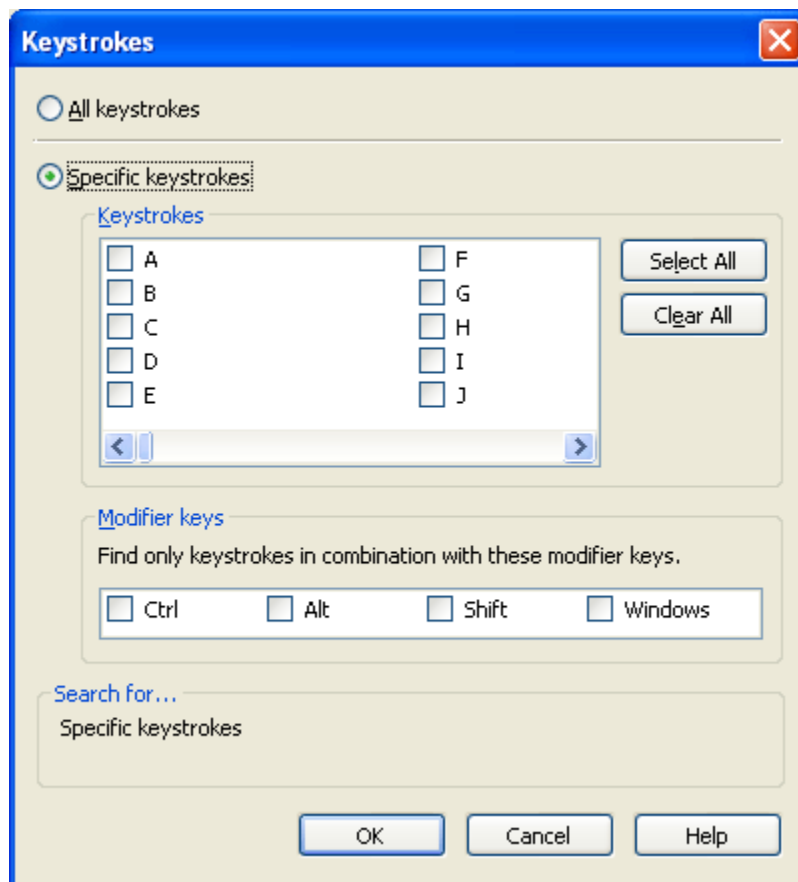
Option	Description and Use
All mouse clicks	Choose this option to search for all mouse clicks that occurred during your specified time span.
Specific mouse clicks	Choose this option if you want to refine your search to include only certain mouse clicks based on specific mouse button, used with or without modifier keys, or within a specific window/dialog. Next, use the options in the <i>Mouse buttons</i> , <i>Modifier keys</i> , and <i>Search in specific window/dialog</i> group boxes to customize the search.
Mouse buttons	Choose the mouse buttons that you wish to include in the search: Left button down , Middle button down , Right button down . You can select any combination of these three options.
Modifier keys	Choose this option to find only mouse clicks that were in combination with these modifier keys: CTRL , Alt , Shift . Select any combination of these three options.
Search in specific window/dialog	Type the name of the dialog in the Window/dialog title field. If you leave this field blank, all windows/dialogs will be included in the search.

Option	Description and Use
Search for	This area displays the statement that will appear in your search profile based on the choices you've made in this dialog box.
OK	Choose OK to accept selections and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Keystrokes Options

The options in the *Keystrokes* dialog box allow you to search for all input from the keyboard that occurred during a particular time span. You can also refine your search to include only specific keys or key combinations.

To access the *Keystrokes* dialog box, from within the *Search Editor* choose the **Keystrokes** option in the *Search for* field, and then click on the **keystrokes** hyperlink in the *Search profile*.



Description of Keystrokes Options

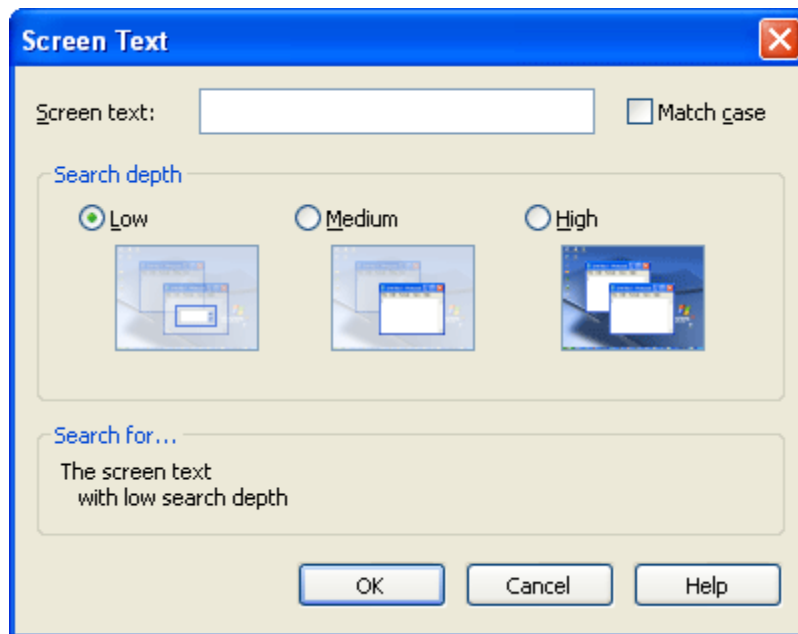
The following table describes each of the options available in the *Keystrokes* dialog box.

Option	Description and Use
All keystrokes	Choose this option to search for all input from the keyboard that occurred during the specified time span.
Specific keystrokes	Choose this option if you want to refine your search to include only certain keystrokes or keystroke combinations. Next, use the options in the <i>Keystrokes and Modifier keys</i> group boxes to customize the search.
Keystrokes	Place a checkmark next to the specific keystrokes that you want to include in the search.
Select All	Click Select All to select all of the keys listed in the <i>Keystrokes</i> group box.
Clear All	Click Clear All to deselect all of the keys listed in the <i>Keystrokes</i> group box.
Modifier keys	Choose this option to find only keystroke combinations that included these modifier keys: CTRL, Alt, Shift, Windows . Select any combination of these options.
Search for	This area displays the statement that will appear in your search profile based on the choices you've made in this dialog box.
OK	Choose OK to accept selections and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Screen Text Options

The options in the *Screen Text* dialog box allow you to search for specific text that appeared on the screen during the selected time span.

To access the *Screen Text* dialog box, from within the *Search Editor* choose the **Screen Text** option in the *Search for* field, and then click on the **screen text** hyperlink in the *Search profile*.



Description of Screen Text Options

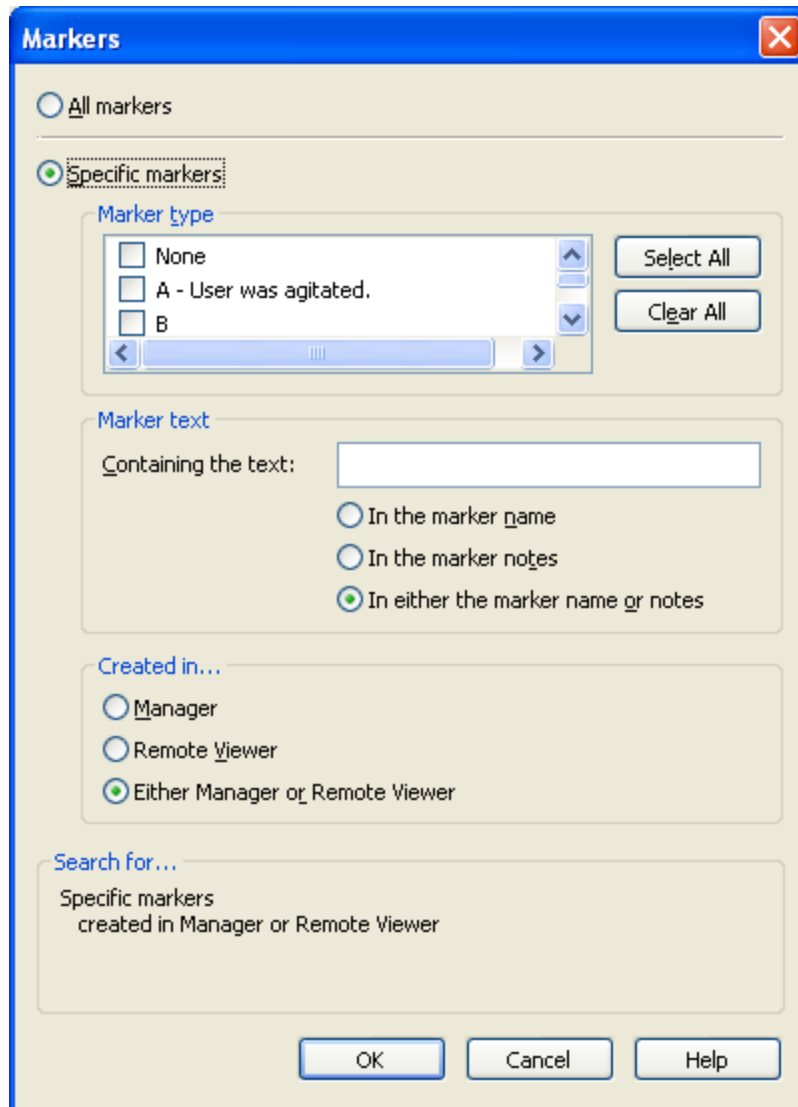
The following table describes each of the options available in the *Screen Text* dialog box.

Option	Description and Use
Screen text	Enter the screen text that you wish to search for during the specified time span.
Match case	Place a checkmark next to this option if you want the search to match the case of the text you've typed. <i>Example:</i> If you have enabled this option, your search for "SnagIt Web Capture" will include that phrase exactly as it is capitalized. It will not include "snagit web capture."
Search depth	This option allows you to choose the depth of the text search. Low – Will include the text from only the window/dialog that had focus. Medium – Will include the text within the entire application currently in focus. High – Will include all of the text from the windows in all applications running during the recording.
Search for	This area displays the statement that will appear in your search profile based on the choices you've made in this dialog box.
OK	Choose OK to accept selections and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Markers Options

The options in the *Markers* dialog box allow you to search for all Marker information or just the information for particular markers (based on type, text in the name or notes, and/or where the Marker was created) during a specified time span.

To access the *Markers* dialog box, from within the *Search Editor* choose the **Markers** option in the *Search for* field, and then click on the **markers** hyperlink in the *Search profile*.



The **Markers** dialog box is used to configure search criteria for markers. It features a blue title bar with a close button. The main area is divided into several sections:

- Selection:** Two radio buttons at the top: ☐ **All markers** and ☒ **Specific markers**.
- Marker type:** A list box containing three items: ☐ None, ☐ A - User was agitated., and ☐ B. To the right are **Select All** and **Clear All** buttons.
- Marker text:** A section with a label **Containing the text:** followed by a text input field. Below it are three radio buttons: ☐ In the marker name, ☐ In the marker notes, and ☒ In either the marker name or notes.
- Created in...:** A section with three radio buttons: ☐ Manager, ☐ Remote Viewer, and ☒ Either Manager or Remote Viewer.
- Search for...:** A section with a label **Search for...** and a text area containing the text "Specific markers created in Manager or Remote Viewer".

At the bottom are three buttons: **OK**, **Cancel**, and **Help**.

Description of Markers Options

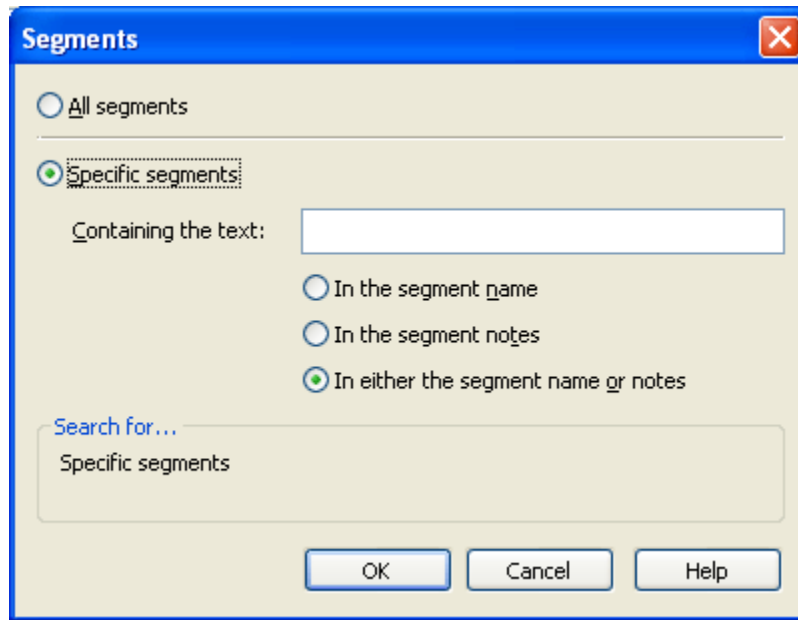
The following table describes each of the options available in the *Markers* dialog box.

Option	Description and Use
All markers	Choose this option to search for information for all Markers set during the specified time span.
Specific markers	Choose this option if you want to refine your search to include the information from only certain Markers. Next, use the options in the <i>Marker type</i> , <i>Marker text</i> , and <i>Created in</i> group boxes to customize the search.
Marker type	Place a checkmark next to the Marker types you want to include in the search.
Select All	Click Select All to select all of the Marker types in the list.
Clear All	Click Clear All to deselect all of the Marker types in the list.
Marker text	Enter the text you want to search for in the Containing the text field. In the marker name – Choose this option if you want to search for the specified text only in the Marker name. In the marker notes – Choose this option if you want to search for the specified text only in the Marker notes. In either the marker name or notes – Choose this option if you want to search for the specified text in either the marker name or notes.
Created in	Choose an option in this group box to search for Markers that were created in <i>Manager</i> , in <i>Remote Viewer</i> , or in either. By default, the Either Manager or Remote Viewer option will be selected.
Search for	This area displays the statement that will appear in your search profile based on the choices you've made in this dialog box.
OK	Choose OK to accept selections and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Segments Options

The options in the *Segments* dialog box allow you to search for all Segment information or just the information for particular segments (based on text in the name or notes, and/or both) during a specified time span.

To access the *Segments* dialog box, from within the *Search Editor* choose the **Segments** option in the *Search for* field, and then click on the **segments** hyperlink in the *Search profile*.



Description of Segments Options

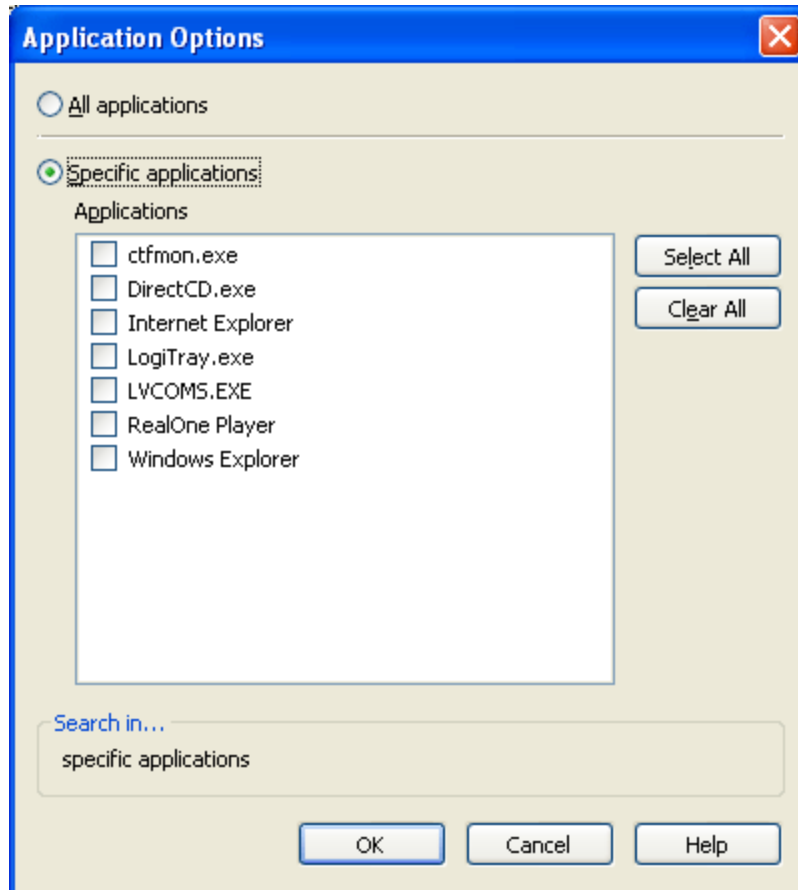
The following table describes each of the options available in the *Segments* dialog box.

Option	Description and Use
All segments	Choose this option to search for information for all Segments created during the specified time span.
Specific segments	<p>Enter the text you want to search for in the Containing the text field.</p> <p>In the segment name – Choose this option if you want to search for the specified text only in the segment name.</p> <p>In the segment notes – Choose this option if you want to search for the specified text only in the segment notes.</p> <p>In either the segment name or notes – Choose this option if you want to search for the specified text in either the segment name or notes.</p>
Search for	This area displays the statement that will appear in your search profile based on the choices you've made in this dialog box.
OK	Choose OK to accept selections and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the help system for <i>Manager</i> .

Application Options

The options in the *Application Options* dialog box allow you to conduct your search within all applications running during the specified time span, or to refine your search to include only certain applications.

To access the *Application Options* dialog box click on the **applications** hyperlink in the *Search profile*.



Description of Application Options

The following table describes each of the options available in the *Application Options* dialog box.

Option	Description and Use
All applications	Choose this option to include in the search all of the applications that were running on <i>Recorder</i> during the selected time span.
Specific applications	Choose this option if you wish to refine your search to include only the activity in one or more specific applications. Place a checkmark next to the applications you wish to include in the search. For example, if you choose Internet Explorer, then the search results will only include activity that occurred within that application during the specified time span.
Select All	Click this button to select all applications in the list.
Clear All	Click this button to deselect all applications in the list.

Option	Description and Use
Search in	This area displays the statement that will appear in your search profile based on the choices you've made in this dialog box.
OK	Choose OK to accept selections and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the help system for <i>Manager</i> .

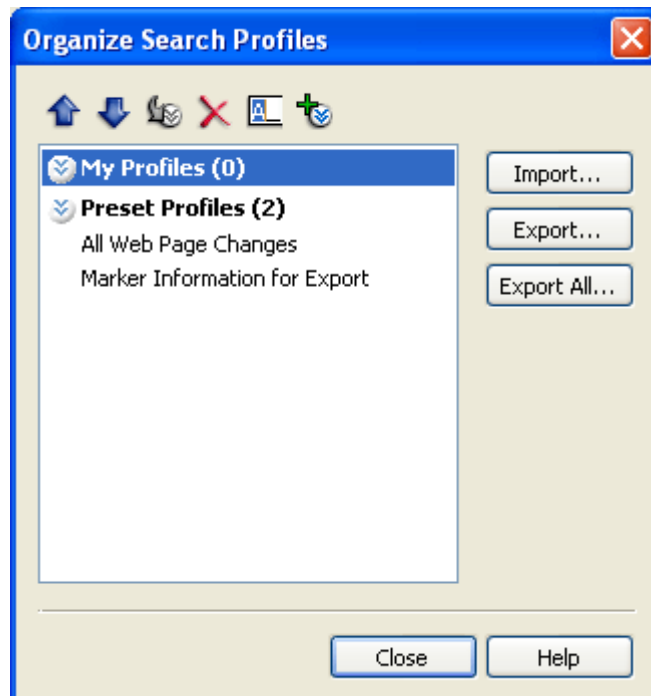
Organize Search Profiles Options

The options in the *Organize Search Profiles* dialog box allow you to change the order of your searches in the *Search Profile* pane of the *Search Editor*, create and delete search profiles, import one or more search profiles, and export one or more profiles.

To access the *Organize Search Profiles* dialog box, from the *Analyzer* tab interface, choose **Search > Organize Profiles**. Or, click the **Search** button, and then within the *Search Editor*, click the **Organize Profiles** button.










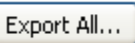
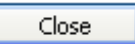

For more information about saving and organizing search profiles, see *Working with Search Profiles*.

Note: Single profiles, a group of profiles, or several groups of profiles can be contained within one *Morae Manager Profile* (.mgrsrch) file.



Description of Organize Search Profiles Options

The following table describes each of the options available in the *Organize Search Profiles* dialog box.

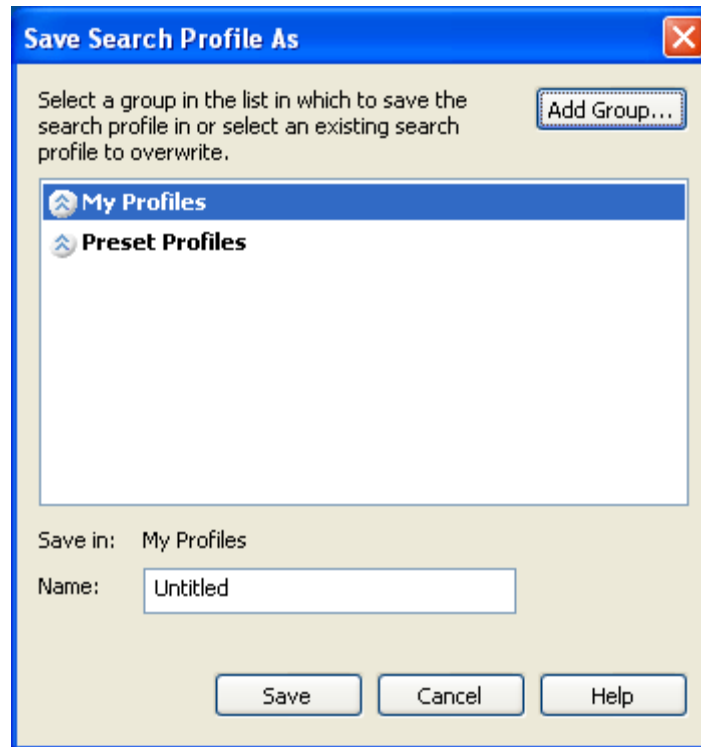
Button	Option	Description and Use
	Move Up	Choose this option to move a search profile up in the list. Highlight a search profile and then choose Move Up until the search profile is in the desired position. Note: Search profiles can be moved up into new groups using this option.
	Move Down	Choose this option to move a search profile down in the list. Highlight a search profile and then choose Move Down until the profile is in the desired position. Note: Search profiles can be moved down into new groups.
	Move to Group	Choose this option to move a search profile to a specific group. Select the search profile that you want moved and then click the Move to Group button. A popup list of groups displays. From the list, select the group you want to move these search profiles into. Choose OK .
	Delete	Choose this option to delete a search profile. Highlight a search profile and then choose Delete . A confirmation dialog box will appear. Choose Yes to delete. Choose No to exit without deleting. Note: This is a permanent delete.
	Rename	Choose this option to rename an existing search profile or group. Highlight a search profile and then choose Rename . Enter the new name and choose OK .
	Add group	Choose this option to add a new group to the list of search profiles. The <i>Add Group</i> dialog box displays.  Enter a group name and choose OK . Choose Cancel to exit without adding a group.
	Import	Choose this option to import one or more search profiles. You can also use this option to import a file containing several search profiles that was created using the <i>Export All</i> option.
	Export	Choose this option to export a single search profile or a group of search profiles.
	Export All	Choose this option to export all of the search profiles in your <i>Search Profiles</i> list, all at once. This is a quick and easy way to share, or back up, your search profiles.
	Close	Choose this option to close the dialog box.
	Help	Choose Help to access the help system for <i>Manager</i> .

Save Search Profile As Options

The options in the *Save Search Profile As* dialog box allow you to name the new search profile and choose a group in which to save it.

To access the *Save Search Profile As* dialog box, choose the **Save Profile** button within the *Search Editor*, and then choose the **Save As New** button in the *Save Search Profile* dialog box. The *Save Search Profile As* dialog box appears.

For more information about saving and organizing search profiles, see *Working with Search Profiles*.



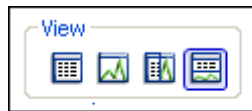
Description of Save Search Profile As Options

The following table describes each of the options available in the *Save Search Profile As* dialog box.

Option	Description and Use
Add Group	Choose this option to add a new group to the list of search profiles. The <i>Add Group</i> dialog box displays. Enter a group name and choose OK . Choose Cancel to exit without adding a group.
My Profiles	This group is provided as a convenient place to store your custom profiles.
Preset Profiles	This group contains preconfigured profiles provided by TechSmith.
Save in	This area displays the group you have selected to save the search profile in. Change your selection by clicking on another group in the search profile pane.
Name	Enter a name for the new search profile in this field.
Save	Choose this option to save the search profile and exit the <i>Save Search Profile As</i> dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.

View Group Box Options

The *View* group box inside of the *Search* pane allows you to change the way you view your search results in the List/Graph area.



Description of View Group Box Options

The following table describes all of the options available in the *View* group box.

Option	Button	Description and Use
List		Allows you to view your results in a column-delimited list format.
Graph		Allows you to view your results in either of two different density graph formats: line graph or histogram.
Tile Vertically		Allows you to view the list of results on the left and a graph on the right.
Tile Horizontally		Allows you to view the list of results above the graph of the results.

List View Columns

The List View displays your search results in vertical columns containing information such as Elapsed Time, Title, Description, Application, etc. The columns that appear in the List View, and the content of those columns, will depend on the search categories you choose in the *Search for* area of the *Search Editor*.

For more information about using and navigating in the List View, see *List View*.

Description of List View Columns

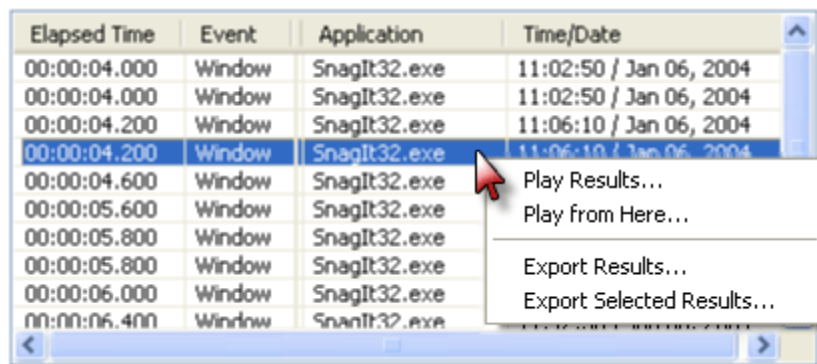
The following table describes the columns available in the List View, in their default order.

Column Title	Available in Search Category	Content Displayed in Column
Elapsed Time	All categories	The elapsed time at which the event occurred.
Event	All categories	The type of event: Web page change, Window/dialog event, mouse click, keystroke, screen text, Marker or Segment.
URL	Web page changes	The URL of the Web page.
Page Title	Web page changes	The title of the Web page.
Window Title	Window/dialog events; Mouse Clicks	The title of the window in which the window/dialog event or mouse click occurred.
Focus/Move	Window/dialog events	Whether the window/dialog had focus or was moved or resized.

Column Title	Available in Search Category	Content Displayed in Column
Clicks	Mouse Clicks	The mouse button that was clicked (left, middle, right).
Key	Keystrokes	The key that was pressed.
Modifier	Keystrokes; Mouse Clicks	Any modifier key that was used with a keystroke.
Screen text	Screen text	The text that appeared on screen.
Search depth	Screen text; Window/dialog events	The search depth at which the screen text or window/dialog was found.
Name	Marker; Segment	The name of the Marker or Segment.
Notes	Marker; Segment	Any text note attached to the Marker or Segment.
Creator	Marker; Segment	The user name of the person who created the Marker or Segment. For <i>Remote Viewer</i> Markers, this is the <i>Remote Viewer</i> user name entered in the <i>Connect to Recorder</i> dialog box. For <i>Manager</i> Markers and Segments, this is the user name of the person logged into Windows on the machine running <i>Manager</i> .
Marker type	Marker	The Marker type assigned to that Marker.
Definition	Marker	The Marker definition, if one was assigned.
Created In	Marker	Where the Marker was created: <i>Remote Viewer</i> or <i>Manager</i> .
Parent	Window/dialog events	The window title of the top level window that contains the event.
Application	All categories	The application in which the event took place.
Time/date	All categories	The time/date when the event took place.

List View Context Menu Options

The options on the List View context menu allow you to play and export all results, or just selected results. To access the List View context menu, in any List view, right-click on the list area.



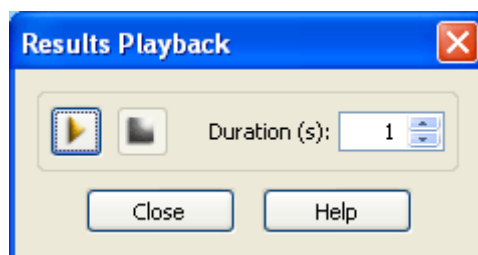
Description of List View Context Menu Options

The following table describes all of the options available in the List View context menu.

Option	Description and Use
Play Results	Plays all of the results in the list, from top to bottom.
Play from Here	Plays the results from the selected item down the list.
Export Results	Exports all of the results in a comma-separated file format.
Export Selected Results	Exports just the selected results in a comma-separated file format.



Results Playback Dialog Box Options

The options in the *Results Playback* dialog box let you control the playback of your search results. To access this dialog box, choose **Search > Play Results** from the menu bar. Alternatively, you can right-click in the list view area and choose **Play Results** from the context menu that appears.



Description of Results Playback Options

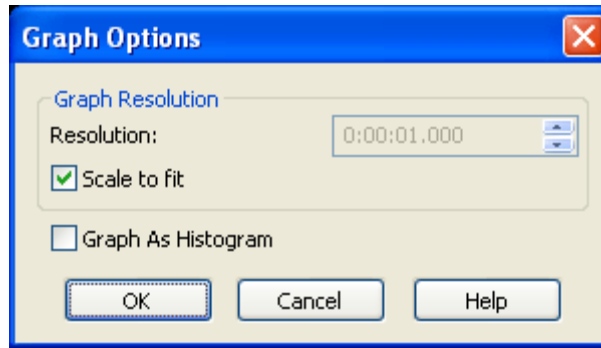
The following table describes all of the options available in the *Results Playback* dialog box.

Option	Description and Use
Play	Choose the Play button  to begin playing the search results.
Stop	Choose the Stop button  to stop playing the search results.
Duration	Use this option to choose the number of seconds a particular result stays in the <i>Player Window</i> before the next result is played.
Close	Choose Close to exit the <i>Results Playback</i> dialog box.
Help	Choose Help to access <i>Manager's</i> online help resources.

Graph Options Dialog Box Options

The options in the *Graph Options* dialog box allow you to change the scale of the graph and to change the graph style from a line graph to a histogram. To access the *Graph Options* dialog box, right-click on any graph view, or choose **Search > Graph Options** from the menu bar.

For more information about using and navigating in the Graph View, see *Graph View*.



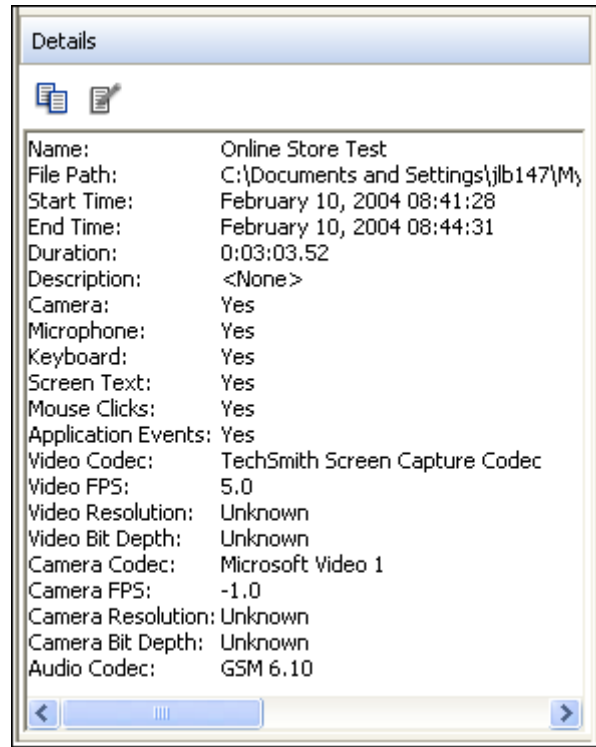
Description of Graph Options

The following table describes all of the options available in the *Graph Options* dialog box.



Option	Description and Use
Resolution	Choose a length of time between points graphed. The entire length of the Segment or recording will always be represented along the horizontal axis of the graph. If you have the resolution set to 10 seconds, the graph points will be 10 seconds apart. The number of events that occurred at each 10-second point will be shown along the vertical axis. Note: When the Scale to fit option is enabled, you cannot change the resolution. Disable the Scale to fit option to access the Resolution setting.
Scale to fit	Choose this option if you want the graph to scale to fit the graph area during resizing. The total Segment or recording time will be divided into evenly sized intervals.
Graph As Histogram	Choose this option to display the graph as a histogram, rather than a line graph.
OK	Choose OK to accept changes and exit the <i>Graph Options</i> dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the online help resources for <i>Manager</i> .

Analyzer Tab's Details Pane

The *Analyzer* tab's *Details* pane displays valuable information about the selected recording, Segment, or Marker.



The pane also features two buttons:

- The **Copy to Clipboard** button  allows you to copy the contents of the *Details* pane to the Clipboard so that you can paste it into another document or application, if desired.
- The **Edit Item** button , which applies to any Segment or Marker you have selected in the *Project* pane, opens the *Segment Details* or *Marker Details* dialog box, allowing you to edit the name, text, duration, and audio note associated with that item.









Presenter Tab's Toolbar Options

Presenter tab's toolbar contains the most-used menu options in a conveniently accessible location. This section offers a detailed description of those options.



Description of Presenter Tab's Toolbar Options

The following table describes the options available on the *Presenter* tab's toolbar.

Toolbar Button	Option Name	Corresponding Menu Option	Description and Use
	New Project	File > New Project	Allows you to create a new project.
	Open Project	File > Open Project	Allows you to browse for and open an existing project.
	Save Project	File > Save Project	Allows you to save the current project.
	Import Recording	File > Import Recording	Allows you to import recordings into the currently open project.
	Create Title Clip	Clip > Create Title Clip	Allows you to create a new Title Clip, which is added to the <i>Clip Bin</i> .
	Produce Highlight Video	File > Produce Highlight Video	Opens a wizard that leads you through the process of producing your highlight video.
	Clear Storyboard	Clip > Clear Storyboard	Clears all of the Clips off of the <i>Storyboard</i> . Note: Choosing this option does not remove the copies of these Clips from the <i>Clip Bin</i> .
	Manager Help	Help > Manager Help	Allows you to access the online help for <i>Manager</i> .

Presenter Tab's Menus

The following chapter gives a detailed description of all of the menu options available on *Manager's Presenter* tab.

- Presenter File Menu
- Presenter Clip Menu
- Presenter View Menu
- Presenter Player Menu
- Presenter Help Menu

Presenter File Menu

The *Presenter* tab's *File* menu options allow you to create new projects, open existing projects, save your projects and easily access your most recently opened projects. Using the options on this menu, you can also import recordings, create highlight videos and distribute them using *Pack and Show*, and create and edit *Recorder* configuration files.

File	
New Project	Ctrl+N
Open Project...	Ctrl+O
Close Project	
Save Project	Ctrl+S
Save Project As...	
Import Recording...	Ctrl+I
Import Project Components...	
Export Project Components...	
Produce Highlight Video...	Ctrl+P
Pack and Show...	
Recorder Configuration	F7
Preferences	
1 Online Store 2	
Exit	

Description of File Menu Options

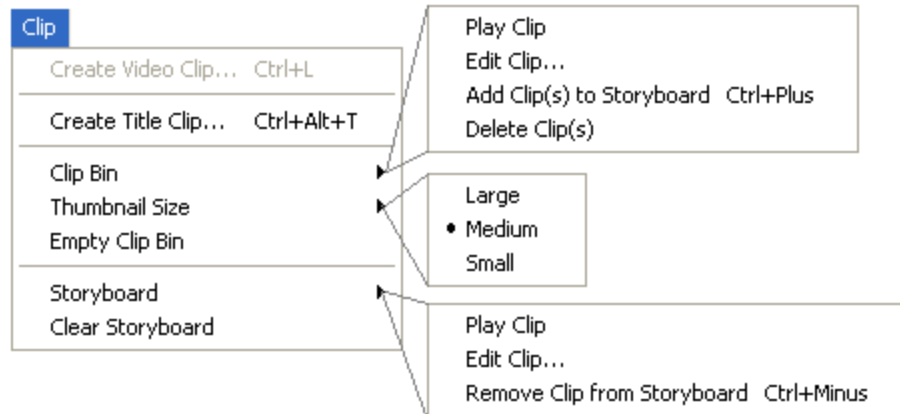
The following table describes each of the options available on the *File* menu.

Option	Description and Use
New Project	Creates a new project in <i>Manager's Project</i> pane. Opens the <i>Create New Project</i> wizard. In the first step, give the new project a name. Step through the wizard to create the project. Choose Cancel to exit the wizard without creating a project.
Open Project	Opens the <i>Open an existing project file</i> dialog box, which allows you to browse for and select an existing project to open in <i>Manager's Project</i> pane. Choose Open to open the selected project. Choose Cancel to exit the dialog box without opening a project.

Option	Description and Use
Close Project	Closes a project that is open in <i>Manager's Project</i> pane. If the project has been modified, you will be asked whether you want to save changes before it is closed.
Save Project	Saves the project. This option is only available if the project has been modified since you opened or created it. When you choose this option, a standard Save dialog will appear, allowing you to name the project and choose a location for it.
Save Project As	Allows you to save the project under a different name, and/or in a different location. When you choose this option, a standard Save As dialog will appear, allowing you to give the project a new name and/or choose a new location for it.
Import Recording	Opens the <i>Import Recording</i> dialog box, which allows you to select one or more recordings to import into an open project in <i>Manager's Project</i> pane. Select the desired recordings and choose Open . Choose Cancel to exit the dialog box without importing recordings.
Import Project Components	Allows you to import components (including Title Clips and recordings with added Markers and Segments) from another <i>Manager</i> project into the current project. For more information, see <i>Exporting and Importing Project Components</i> and <i>Import Project Components Options</i> .
Export Project Components	Allows you to export components (including Title Clips and recordings with added Markers and Segments) to a Morae Project Component Archive (.mpca) file. This file can then be imported into another project using the File > Import Project Components option described above. For more information, see <i>Exporting and Importing Project Components</i> and <i>Export Project Components Options</i> .
Produce Highlight Video	Opens the <i>Production Wizard</i> , which leads you through process of producing the highlight video. For more information, see <i>Highlight Video Production Wizard Options</i> .
Pack and Show	Allows you to select an AVI to package with the TSCC codec and <i>Morae Player</i> , and then creates an executable that will unpack and play. For more information, see <i>Using Pack and Show</i> .
Recorder Configuration	Gives you access to the <i>Recorder Configuration</i> dialog box, which allows you to create a new configuration file for <i>Recorder</i> , or open and edit a previously saved configuration file. For more information about the options in this dialog box, see <i>Recorder Configuration Dialog Box Options</i> .
Preferences	Allows you to choose not to see the welcome dialog box on startup, to select a default location for project storage, and to quickly disable hardware acceleration for your display. For more information about the options in this dialog box, see <i>Preferences Dialog Box Options</i> .
Recent project list	Contains a list of projects that have been recently opened in <i>Manager</i> . The list holds up to four project names.
Exit	Exits the <i>Manager</i> application.

Presenter Clip Menu

The *Presenter* tab's *Clip* menu contains all of the options relating to creating, editing, playing and organizing Clips.



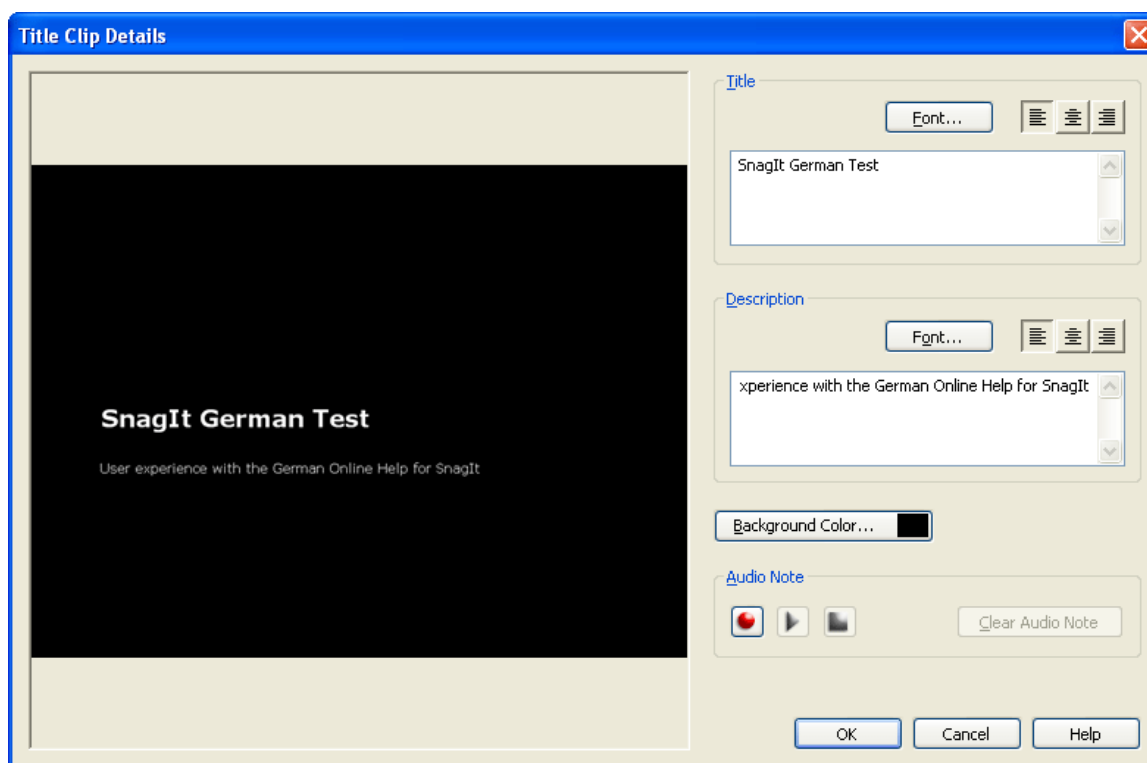
Description of Clip Menu Options

The following table describes each of the options available on the *Clip* menu.

Option	Description and Use
Create Video Clip	Creates a Video Clip between the selected In and Out Points on the <i>Seek Bar</i> and places it in the <i>Clip Bin</i> . The <i>Video Clip Details</i> dialog box opens when you create a Clip, allowing you to further customize the Clip. For information about the <i>Video Clip Details</i> dialog box, see <i>Video Clip Details Options</i> .
Create Title Clip	Allows you to create a Title Clip, which can be used to introduce a video or add static text between Video Clips.
Clip Bin	The Clip Bin flyout menu allows you to choose from the following options: Play Clip , Edit Clip , Add Clip(s) to Storyboard , and Delete Clip(s) for an individual Clip you have selected in the <i>Clip Bin</i> . Note: You can add and delete multiple selected Clips.
Thumbnail Size	Allows you to set the display size of the Clips in the <i>Clip Bin</i> . You can choose Large , Medium , or Small .
Empty Clip Bin	Removes all Clips from the <i>Clip Bin</i> .
Storyboard	The Storyboard flyout menu allows you to choose from the following options: Play Clip , Edit Clip , and Remove Clip from Storyboard for an individual Clip you have selected on the <i>Storyboard</i> .
Clear Storyboard	Removes all Clips from the <i>Storyboard</i> .

Title Clip Details Options





The options in the *Title Clip* dialog box allow you to customize the Title, Description, and Background Color of the Title Clip, and to add an audio note, if desired. To access the *Title Clip* dialog box, right-click on a selected Title Clip in the *Clip Bin* and choose **Edit Clip** from the context menu.



Description of Title Clip Details Options

The following table describes each of the options available in the *Title Clips Details* dialog box.

Option	Description and Use
Title	<p>Enter the desired Title text in this field. <i>Manager</i> will use this as the default title for subsequent Title Clips until you change it.</p> <p>Font: Allows you to select the font you want the Title to appear in. Choose the Font button to access the Windows standard Font dialog box.</p> <p>Text Alignment: Allows you to left-, center-, or right-justify the text. Choose the button for the desired alignment.</p>
Description	<p>Enter text in the Description field that you wish to have appear underneath the Title on this Clip. <i>Manager</i> will use this text as the default text for subsequent Title Clips until you change it.</p> <p>Font: Allows you to select the font you want the Description to appear in. Choose the Font button to access the Windows standard Font dialog box.</p> <p>Text Alignment: Allows you to left-, center-, or right-justify the text. Choose the button for the desired alignment.</p>
Background Color	<p>Change the background color for the Title Clip using this option. Click on the Background Color button to access the <i>Colors</i> dialog box. Choose the desired color from the palette or click Define Custom Colors to choose directly from the spectrum or enter the RGB values for the desired color. Click OK to accept the color you've chosen.</p> <p>The color you choose here will be used for all subsequent Title Clips until you change it</p>

Option	Description and Use
	again.
Audio Note	Allows you to record an audio note that will be attached to the selected Title Clip. Choose the Record button  to record. Choose the Play button  to playback your audio note. Choose the Stop button  to stop recording or playing your audio note. Choose  to remove the audio note from the Clip.
OK	Choose OK to accept changes and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the online help resources for <i>Manager</i> .

Presenter View Menu

The *Presenter* tab's *View* menu lets you choose to view or hide the toolbar and the status bar.



Description of View Menu Options

The following table describes each of the options available on the *View* menu.

Option	Description and Use
Toolbar	Toggles the toolbar between its hidden and visible states.
Status Bar	Toggles the status bar, located along the bottom of the <i>Manager</i> , between its visible and hidden states.








Presenter Player Menu


The *Analyzer* tab's *Player* menu options allow you to access the functionality of the *Player Window*. From the *Player* menu, you can play and stop the recording, change the audio volume, and move forward or backward through the recording. You can also set the **In** and **Out** Points, and create Segments and Markers.

Play/Stop	Ctrl+Shift+Space	
Play In to Out Points	Ctrl+Alt+Space	
Volume		<div> Increase Volume Ctrl+Shift+Up Arrow Decrease Volume Ctrl+Shift+Down Arrow Mute </div>
Preview Highlight Video	Ctrl+H	
Step Back	Ctrl+Shift+Left Arrow	
Step Forward	Ctrl+Shift+Right Arrow	
Previous Frame	Ctrl+Alt+Left Arrow	
Next Frame	Ctrl+Alt+Right Arrow	
Set In Point	Ctrl+J	
Set Out Point	Ctrl+K	
Create Video Clip...	Ctrl+L	
Save Screen Video Frame As...		
Adjust PIP...		
Shrink to Fit	Ctrl+Q	

Description of Presenter Tab's Player Menu Options

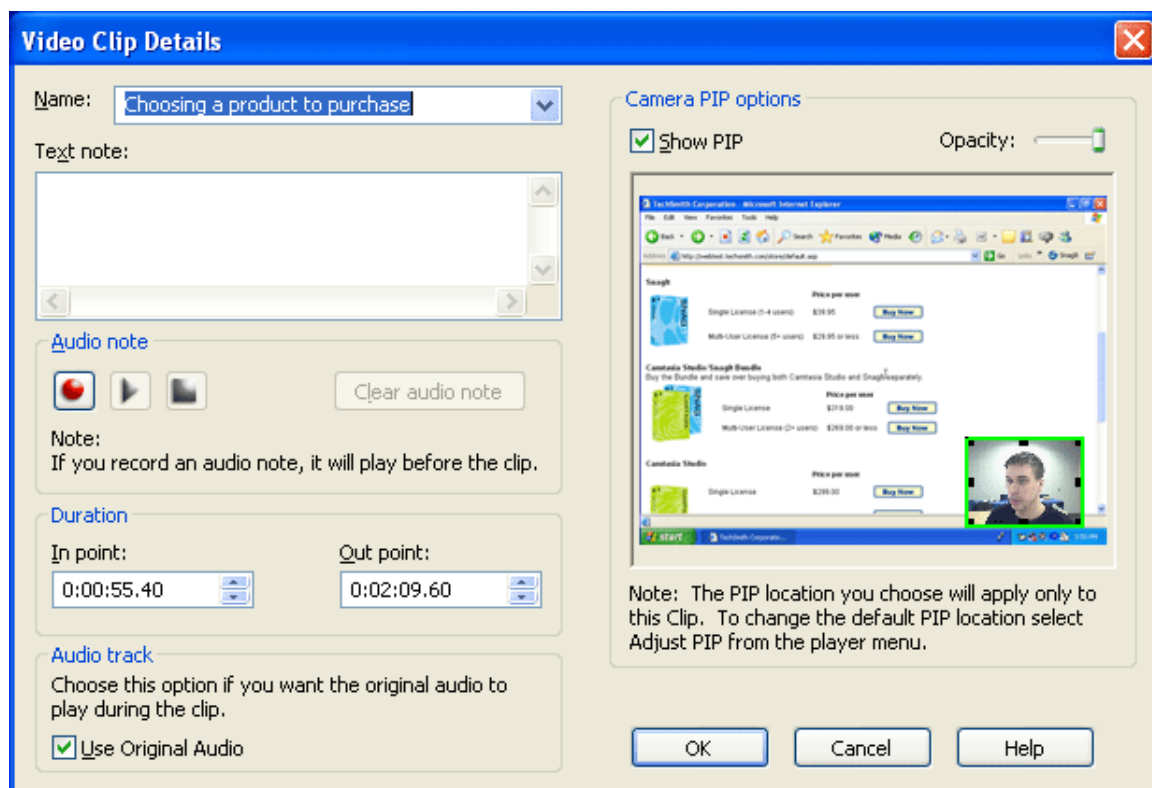
The following table describes each of the options available on the *Presenter* tab's *Player* menu.

Option	Corresponding Player Button(s)	Description and Use
Play/Stop		Starts the playback of the screen video from the current position of the seek bar. Choose the menu option again to stop the playback.
Play In to Out Points		Allows you to play screen video from the current In Point to the Out Point on the seek bar.
Volume		Allows you to Increase , Decrease , or Mute audio volume for <i>Manager</i> .
Preview Highlight Video	N/A	Plays the Highlight Video as it is on the <i>Storyboard</i> . This allows you to preview the video before producing it.
Step Back		Steps the video backward by 50 milliseconds.
Step Forward		Steps the video forward by 50 milliseconds.
Previous Frame	N/A	Allows you to rewind the video one frame at a time.
Next Frame	N/A	Allows you to advance the video one frame at a time.
Set In Point		Sets the In Point at the current seek bar position.
Set Out Point		Sets the Out Point at the current cursor position.

Option	Corresponding Player Button(s)	Description and Use
Create Video Clip		Creates a Video Clip using the current In Point and Out Point settings.
Save Screen Video Frame As	N/A	Saves the current frame as a still image (.bmp or .jpg) of the screen video and optional PIP.
Adjust PIP	N/A	Allows you to set the default position for the PIP. The default PIP position applies to recordings you are viewing in the <i>Player Window</i> , and is also the default position for new Video Clips. For more information, see <i>Default PIP Position Options</i> .
Shrink to Fit	N/A	Shrinks the screen video portion of the recording to fit into the <i>Player Window</i> . This may distort the view of the video. If this option is not enabled, then the video will display at its original size. You may see only part of the video in the <i>Player Window</i> , and scroll bars may appear.





Video Clip Details Options

The *Video Clip Details* dialog box allows you to name your video Clip, add text and audio notes, adjust the In and Out Point times, and choose a PIP location. To access the *Video Clip Details* dialog box, right-click on a Video Clip in the *Clip Bin* or on the *Storyboard*, and then choose **Edit Clip** from the context menu.



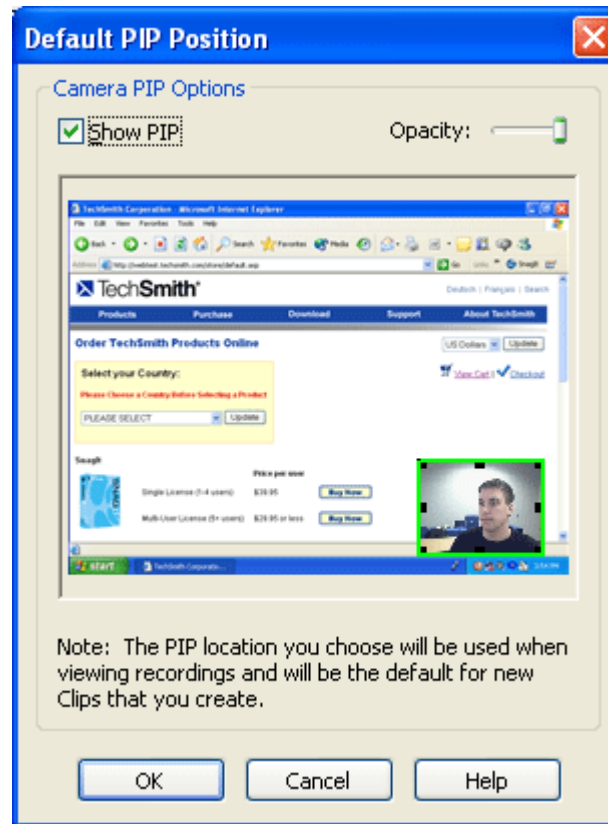
Description of Video Clip Details Options

The following table describes each of the options available in the *Video Clip Details* dialog box.

Option	Description and Use
Name	Allows you assign a meaningful name to the Video Clip. Type the desired name in the field or select a previously used name from the dropdown list.
Text note	Allows you to type in a text note for the selected Video Clip.
Audio note	<p>Allows you to record an audio note that will be attached to the selected Video Clip.</p> <p>Choose the Record button  to record. Choose the Play button  to playback your audio note. Choose the Stop button  to stop recording or playing your audio note.</p> <p>Choose  to remove the audio note from the Clip.</p> <p>Note: The audio note will play prior to the Video Clip. If you've chosen the Use Original Audio option below, the original audio track will play during the Clip.</p>
Duration	Displays the In Point time and Out Point time for the selected Clip and allows you to adjust the times using the adjacent arrow buttons.
Use Original Audio	Choose this option if you want the audio from the original recording file to play during the Clip. This is different from an audio note that you have added to a Segment or Clip, which plays prior to the beginning of the Clip.
Camera PIP options	<p>Place a checkmark in the Show PIP box if you want the Camera Video picture-in-picture (PIP) to appear over this Video Clip. Click and drag the PIP position box to the desired location over the screen video.</p> <p>Use the Opacity slider to increase or decrease the opacity (transparency) of the PIP over the screen video.</p> <p>Note: The PIP location you choose will apply only to the selected Video Clip. To change the PIP position globally, select Adjust PIP from the <i>Player</i> menu. For more information, see <i>Default PIP Position Options</i>.</p>
OK	Choose OK to accept the changes and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to open the online help for <i>Manager</i> .

Default PIP Position Options

The options in the *Default PIP Position* dialog box allow you to show/hide the camera video picture-in-picture (PIP), to adjust the opacity of the PIP, and to determine the default position for the PIP over the screen video. To access the *Default PIP Position* dialog box, choose **Player > Adjust PIP**.



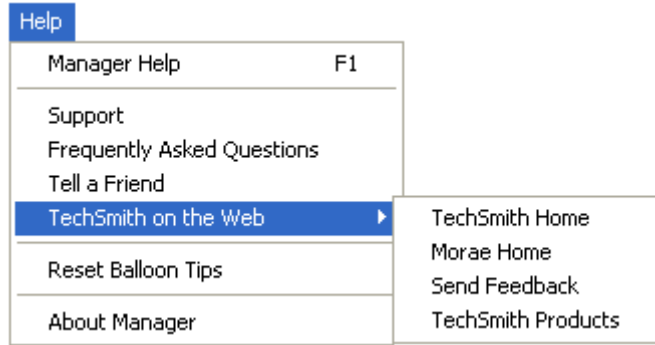
Description of Default PIP Position Options

The following table describes each of the options available in the *Default PIP Position* dialog box.

Option	Description and Use
Show PIP	Enable this option to show the camera video PIP within your Video Clips.
Opacity	Use the slider to increase or decrease the Opacity (transparency) of the PIP image over the screen video image.
Preview area	Preview the appearance, size, and position of the PIP in this area. Click and drag the PIP square to reposition it. Grab and drag the handles on the sides of the PIP square to resize it.
OK	Choose OK to accept changes and exit the dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Help	Choose Help to access the online help resources for <i>Manager</i> .

Presenter Help Menu

The options on the *Help* menu offer you several ways to access additional help with *Manager* and the other *Morae* components.



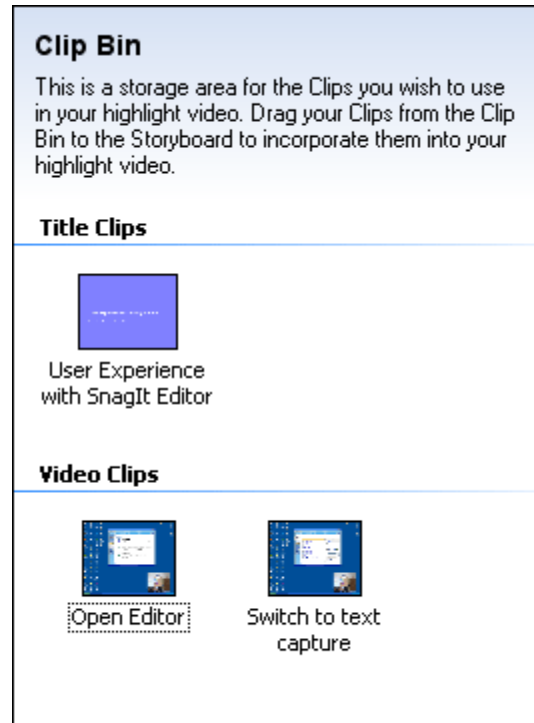
Description of Help Menu Options

The following table describes each of the options available on the *Help* menu.

Option	Description and Use
Manager Help	Opens the main help file for <i>Morae Manager</i> .
Support	Opens the <i>Morae Support</i> dialog box, which allows you to create a diagnostic file to send to TechSmith's Technical Support Department. This is helpful if you cannot troubleshoot a problem that you are having with <i>Morae</i> ; the diagnostic file contains detailed information that can help the Tech Support specialist to determine the source of the problem.
Frequently Asked Questions	Takes you to the FAQs for <i>Morae</i> on the TechSmith Web Site.
Tell a Friend	Launches the Tell a Friend about Morae page on the TechSmith Web Site, which provides a form that you can use to e-mail a friend with information about Morae.
TechSmith on the Web	Choose this option to access a flyout menu of the following links to the TechSmith Web site: TechSmith Home: Takes you to the home page of the TechSmith Web site. Morae Home: Takes you to the product home page for <i>Morae</i> . Send Feedback: Takes you to an online general product feedback form that you can fill out and submit to TechSmith. TechSmith Products: Takes you to the TechSmith Products page.
Reset Balloon Tips	The first couple of times that you use <i>Manager</i> , you will see balloon tips appear to give you contextual information. After they appear twice, these tips will turn off. To enable these tips again, choose Help > Reset Balloon Tips .
About Manager	Choose this option to view the version number and copyright information for <i>Manager</i> .

Presenter Tab's Clip Bin

Presenter Tab's Clip Bin is a storage area for the **Title** and **Video** Clips that you create to use in your highlight video.



- **Title Clips Category.** When you create a Title Clip, it will appear under the Title Clips category.

Note: The Title Clips category is global, which means that all of your Title Clips appear in the Clip Bin no matter which recording you have currently selected in the *Project* pane.

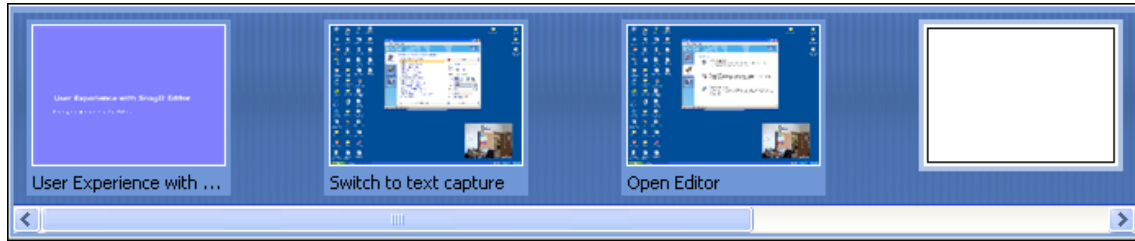
- **Video Clips Category.** When you create a Video Clip, it will appear under the Video Clips category.

Note: The Video Clips category is not global; when you have a recording selected in the *Project* pane, you will only see the Video Clips that originated from that recording in the Clip Bin.

For more information about creating Clips, see *Creating and Editing Title Clips* and *Creating and Editing Video Clips*.

Presenter Tab's Storyboard

In the *Presenter* tab, the *Storyboard* is prominently displayed at the bottom of the screen. The *Storyboard* is used to assemble Title and Video Clips in the order that you want them played back in your highlight video.

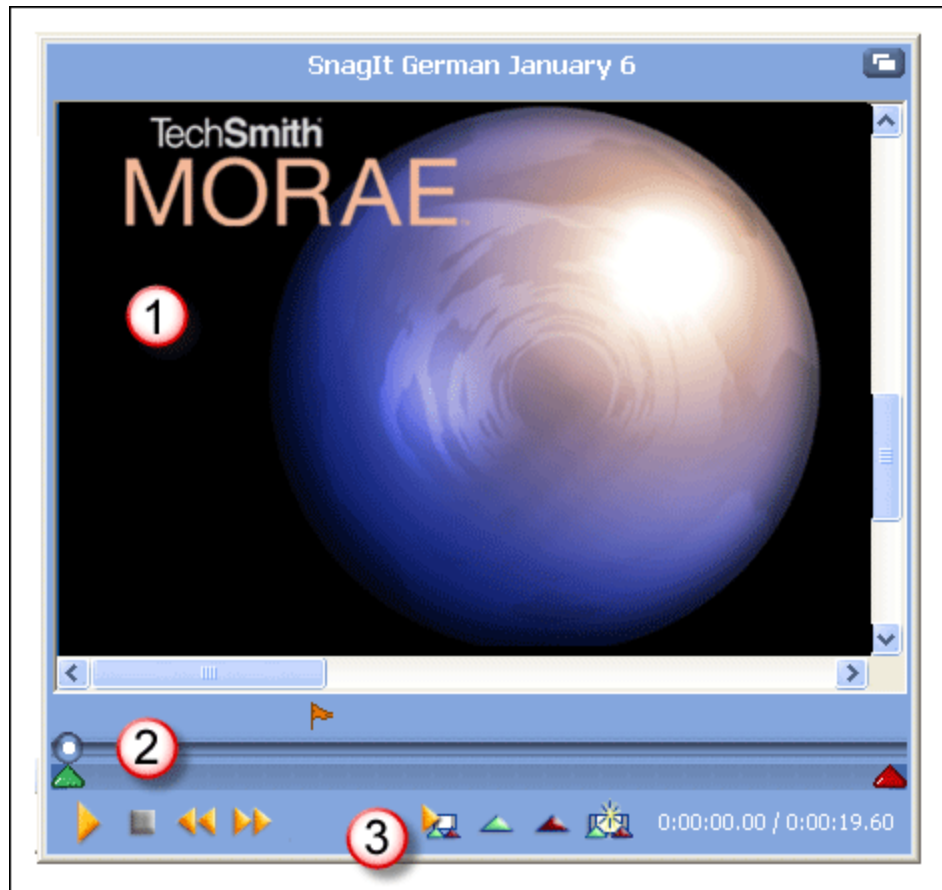


When creating a highlight video, simply drag the Clips from the *Clip Bin* to the *Storyboard* in the desired order, add Title Clips to introduce and transition between Video Clips, and then produce your video. To edit Video and Title Clips that are already on the *Storyboard*, right-click on any Clip and choose **Edit Clip** from the context menu that appears.

For more detailed information about this process, see *Using the Storyboard*.

Presenter Tab's Player Window

The *Player Window* allows you to view and navigate through the screen video portion of your recording. The main regions of the *Player Window* are described in the following graphic. All of the *Player* controls can also be found on the *Player* menu.



-
- 1** **Player Window.** The *Player Window* displays the screen video from the currently selected recording, Segment, or Marker.
 - 2** **Seek Bar.** The seek bar allows you to move quickly forward and backward through the screen video and to seek directly to Markers, Segments, and In and Out points marked on the seek bar.
 - 3** **Player Controls.** Using the *Player* controls, you can navigate through the recording, set In and Out points, and create Clips. For more detailed information about the *Player* controls, see *Presenter Player Menu*.
-

Highlight Video Production Wizard Options

Once you have created and previewed your highlight video, you are ready to produce it as an AVI file that you can view and distribute. *Morae's Presenter* tab features a *Production Wizard* to help you quickly and easily through this process. To open the *Production Wizard*, choose **File > Produce Highlight Video**. The Wizard has three screens. The options on each of those screens are described in detail in this section.

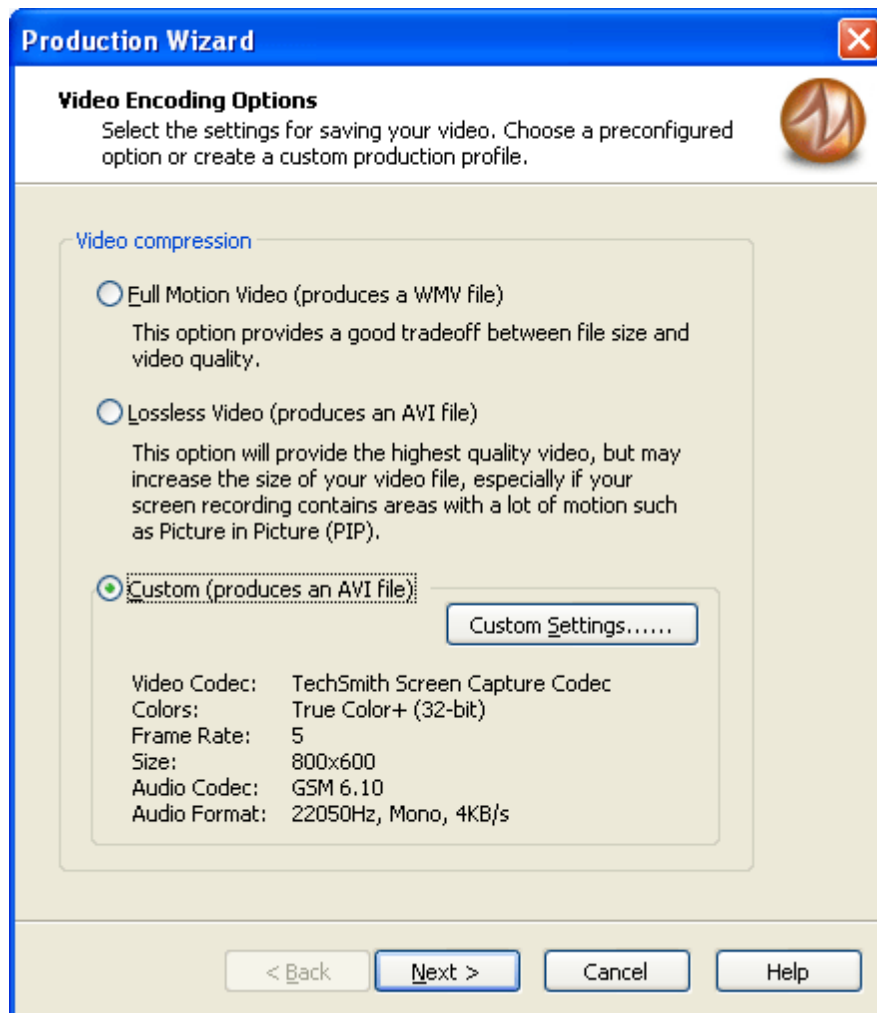
Video Encoding Options

Video Size Options

Produce Video Options

Video Encoding Options

The *Video Encoding Options* in the *Production Wizard* allow you choose a preconfigured production profile (Full Motion Video or Lossless Video) or create a custom production profile, depending on your specific needs.



Note: The video codec you choose for the highlight video production must also be installed on the machine that will be playing the video. The TSCC codec is used for Lossless Video compression, which creates an AVI file. AVI files compressed with TSCC can be easily distributed using the **Pack and Show** option. For more information, see *Using Pack and Show*.

Once you have selected the desired option in this dialog, choose **Next** to continue.

Description of Video Encoding Options

The following table describes each of the options available in the *Video Encoding* dialog box.

Option	Description and Use
Full Motion Video	Choose this option if the recording contains a lot of full motion video (such as PIP). The compression is not lossless with this option, but it will offer very good quality while keeping final video file size down. The video produced will be in WMV format. For more information, see <i>Full Motion Video Default Settings</i> .
Lossless Video	Choose this option if the recording does not contain a lot of full motion video. It will provide lossless compression. File sizes will increase as the amount of full motion content increases. The video produced will be in AVI format. For more information, see <i>Lossless Video Default Settings</i> .
Custom	Choose this option to create your own custom production profile. The video produced will be in AVI format. To adjust the settings in your custom profile, click the Custom Settings button.
Custom Settings	Click this button to access the compression and codec options. Make your selections and choose OK . For more information, see <i>Custom Settings Options</i> .
Back	The Back button is disabled in this screen because it is the first screen in the wizard.
Next	Choose the Next button to move on to the next step in the production process.
Cancel	Choose Cancel to exit the <i>Production Wizard</i> without producing a highlight video.
Help	Choose Help to access the <i>Manager</i> online help system.

Full Motion Video Default Settings

The **Full Motion Video** option is the best choice for recordings created by *Recorder* and videos produced by *Manager* that contain a lot of real-world motion. For example, you should choose this option if the recording includes a Picture and Picture (PIP) window, or if you are recording a user interacting with game or a similarly graphic-intensive application. Although lossless compression *can* be used with full-motion content, the resulting file sizes are likely to become prohibitively large. The Full Motion Video option results in some loss of video and audio quality, but the recording/video will still be of very good quality while keeping file sizes manageable.

If you produce a video using the Full Motion Video option, the resulting file will be in WMV format and will play back in Windows Media Player.

Note: The **Full Motion Video** option is available in *Recorder's* *Settings* dialog box (**Record > Settings**), and in *Manager's* Highlight Video Production Wizard (**Presenter Tab > File > Produce Highlight Video**). The information in this section applies to the option in both locations.

Codec Settings for Full Motion Video

The following table describes the default codec settings for the **Full Motion Video** option.

Codec Type	Recording File Compression (Recorder)	Video File Compression (Manager)
Audio codec	Windows Media Audio	Windows Media Audio
Camera video codec	Windows Media Video	Windows Media Video
Screen video codec	Microsoft Video 1	

Lossless Video Default Settings

The **Lossless Video** option is the best choice for recordings and videos that contain primarily typical office-style application content. This option uses the TSCC codec to compress screen video. TSCC compression is lossless and provides the highest quality and smallest file sizes for low-complexity screen content.

If you produce a video using the Lossless Video option, the resulting file will be in AVI format and will play back in the *Morae Player*. The AVI can be played back in other media players as well, as long as the TSCC codec is available on the computer used to play the video. If you want to easily distribute the AVI with the *Morae Player* and TSCC codec, see *Using Pack and Show*.

Note: The **Lossless Video** option is available in *Recorder's Settings* dialog box (**Record > Settings**), and in *Manager's Highlight Video Production Wizard (Presenter Tab > File > Produce Highlight Video)*. The information in this section applies to the option in both locations.

Codec Settings for Lossless Video

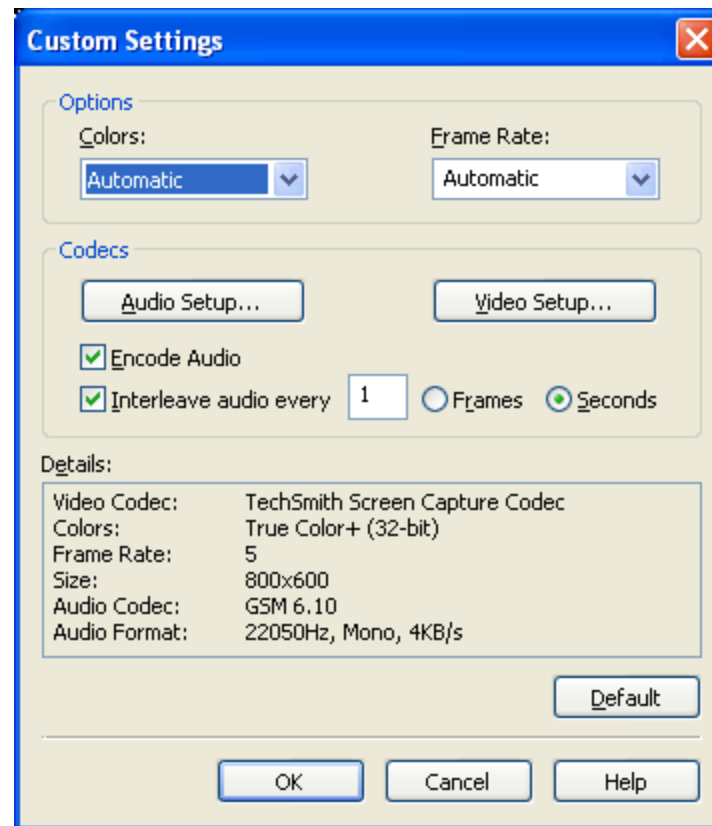
The following table describes the default codec settings for **Lossless Video** option.

Codec Type	Recording File Compression (Recorder)	Video File Compression (Manager)
Audio codec	Windows Media Audio	GSM 6.10
Camera video codec	Windows Media Video	TSCC
Screen video codec	TSCC	

Custom Settings Options

The *Custom Settings* options allow you to create your own custom highlight video production profile. You can adjust the color depth, frame rate, and codec selections to suit your production situation.

To access the *Custom Settings* dialog box, choose **File > Produce Highlight Video**. From the *Video Encoding Options* dialog, select the **Custom** radio button, and then select the **Custom Settings** button.



Description of Custom Settings Options

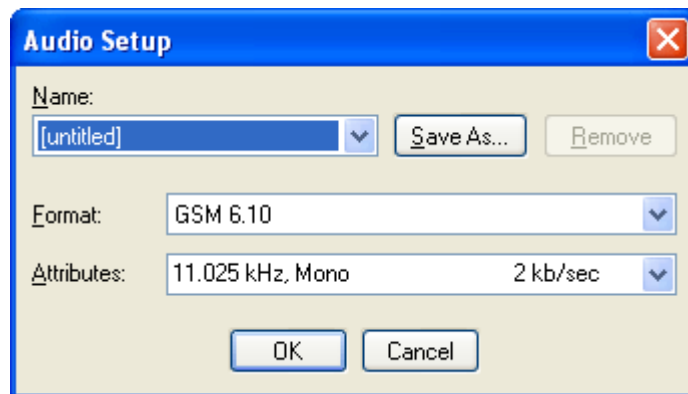
The following table describes each of the options available in the *Custom Settings* dialog box.

Option	Description and Use
Colors	Select a color option from the dropdown list. The default Automatic option preserves the highest color setting on the <i>Storyboard</i> . If you want to decrease the overall file size of the AVI, select a lower color depth.
Frame Rate	Select a frame rate option from the dropdown list. The default Automatic option preserves the highest frame rate setting on the <i>Storyboard</i> . If you want to decrease the overall file size of the AVI, select a lower frame rate. Keep in mind that dropping the frame rate will affect the playback quality of the video.
Audio Setup	The Audio Setup button gives you access to the <i>Audio Setup</i> dialog box. In this dialog box, you can set the compression options for audio playback. For more information, see <i>Audio Setup Options</i> .
Video Setup	The Video Setup button allows you to access the <i>Video Compression Setup</i> dialog box. In this dialog box you can set the compression options for video playback. For more information, see <i>Video Compression Setup Options</i> .
Encode Audio	This option, when selected, instructs the <i>Wizard</i> to encode the audio into the video. Remove the checkmark from the Encode Audio box if you do not want to include audio in the highlight video you are producing.

Option	Description and Use
Interleave audio	<p>Interleaving the audio and video data allows it to playback smoothly when the AVI is played on a slower device, such as a floppy disk or CD-ROM. This option specifies how often to interleave the audio and video streams. The lower the number specified for “x” the smoother the playback will be.</p> <p>If you check this option, you’ll also need to choose whether the units for interleaving will be frames or seconds:</p> <p>Frames: Enter how often the audio should be interleaved, in frames.</p> <p>Seconds: Enter how often the audio should be interleaved, in seconds.</p> <p>Note: We strongly recommend that you produce your video with this option enabled at the default value of every one second. The only reason to disable the Interleave audio option would be to speed up the video file rendering time.</p>
Details	The Details box gives information about the selections you have made in this dialog box for the audio and video options of the AVI videos you are recording.
Default	Click this button to reset all of the options in this dialog box to their default settings.
OK	Choose OK to accept changes and exit the dialog box.
Cancel	Choose Cancel to exit the <i>Production Wizard</i> without producing a highlight video.
Help	Choose Help to access the <i>Manager</i> online help system.

Audio Setup Options

To access the *Audio Setup* dialog box, click the **Audio Setup** button in the *Custom Settings* dialog box.



Description of Audio Setup Dialog Box Options

The following table describes each of options in the *Audio Setup* dialog box.

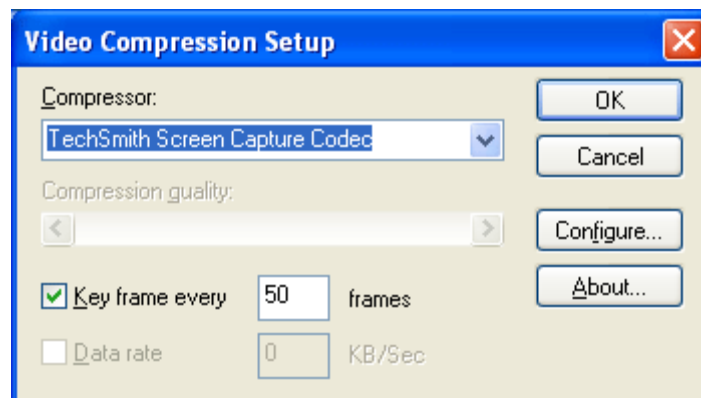
Option	Description and Use
Name	This box lists the Name of the audio format. You can choose a preconfigured format from the dropdown list, or save one with a meaningful name. There are usually several formats already configured. For example, on most computers you can select Radio Quality in the Name list box, and it will automatically set the Attributes list to 22.050 kHz, 8 Bit, Mono.
Save As	Save an audio format under a custom name using the Save As button.
Remove	Remove an existing audio format using the Remove button.
Format	Select an audio file format from the Format dropdown menu. Refer to the file type provider for information about the individual selections.
Attributes	Select the audio <i>Attributes</i> from the dropdown menu. Note: A higher kb/sec, results in larger, but better quality, file.
OK	Choose OK to accept setting changes and exits the <i>Audio Setup</i> dialog box.
Cancel	Exits the <i>Audio Setup</i> dialog box without saving changes.

Video Compression Setup Options

In the *Video Compression Setup* dialog box, you can change your screen video codec selection and adjust compression quality and key frame rate. To access this dialog box, choose the **Video Setup** button in the *Custom Settings* dialog box.

The contents of this dialog box may differ, and certain options may be disabled, depending on the screen video codec that you have chosen. Additional configuration options for the codec may be available by choosing the **Configure** button within the *Video Compression Setup* dialog box.

Note: It is important to note that each codec will have its own unique configuration options. For more information about a particular codec's options, consult the documentation from the company providing that codec. For information about the company providing the codec, choose the **About** button within the *Video Compression Setup* dialog box.



Description of Video Compression Setup Options

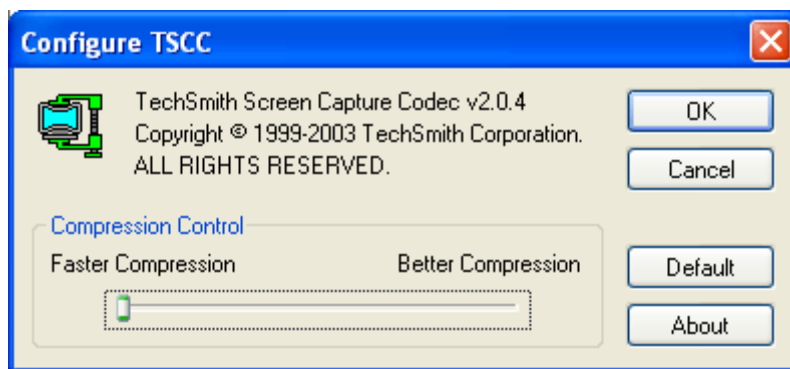
The following table describes each of options in the *Video Compression Setup* dialog box.

Option	Description
Compressor	Allows you to choose the screen capture codec you want <i>Recorder</i> to use. Select the desired codec from the dropdown list.
Compression quality	Configures the codec to compress at a lower image quality and create a smaller file size, or compress at a higher image quality, resulting in a larger file size. Adjust the compression quality using the slider bar. For higher quality, move the bar to the right. For lower quality, move the bar to the left.
Key frame every (n) frames	Allows you to specify how often a key frame is recorded. We recommend that you accept the default value for the codec you've chosen. Note: The codec will place key frames at regular intervals, either spacing them by number of seconds or number of frames. Each codec has an optimized key frame setting.
Data rate (Kb/Sec)	When enabled, this option allows you to determine the number of bytes of data the codec will transmit or receive in one second. The units here are kilobytes per second. A higher data rate results in better quality and larger file sizes. If this option is available for the codec you have chosen, place a checkmark in the adjacent box and specify the desired data rate in Kb/Sec in the box provided.
OK	Allows you to save changes and exit this dialog box.
Cancel	Allows you to exit the dialog box without saving changes.
Configure	Allows you to set configuration options for the selected compressor. For more information, see <i>Video Compression Setup Configure Button</i> .
About	Provides general contact and copyright information for the company that produced the codec you have chosen.

Video Compression Setup Configure Button

The **Configure** button in the *Video Compression Setup* dialog box allows you to customize the compression settings for the screen video codec you have chosen. For the TechSmith Screen Capture Codec (TSCC), the *Configure TSCC* dialog box is displayed.

Note: Only the options for the TSCC will be covered here. Each codec will have its own unique configuration options. For information on each of those options, consult the manufacturer's documentation. For information about the company providing a particular codec, select the codec from the **Compressor** dropdown list and then choose the **About** button.



Description of Configure TSCC Options

The following table describes the options in the *Configure TSCC* dialog box.

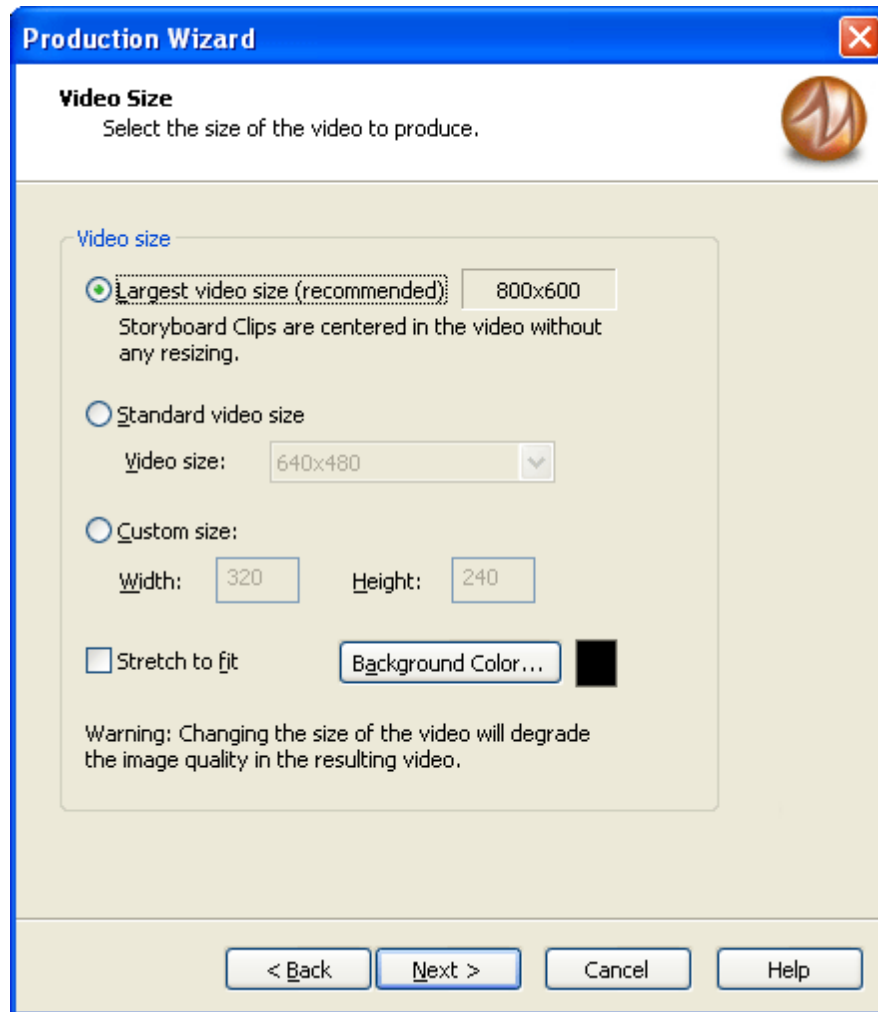
Option	Description and Use
Compression Control	This slider bar allows you to choose faster compression (resulting in a larger file size) or better compression (resulting in a smaller file size). In all cases, the TSCC video codec is 100% lossless. Typically, you want faster compression during recording and a smaller file size when producing/editing.
OK	Choose OK to save your selections and exit back to the <i>Video Compression Setup</i> dialog box.
Cancel	Choose Cancel to exit the dialog box without making changes.
Default	Resets the Compression Control slider to its default configuration.
About	Choose About for information about the compressor's manufacturer and copyright information.

Video Size Options

The options in the *Video Size* dialog box allow you to set the size of the produced highlight video.

Note: If you chose the **Lossless Video** option on the *Video Encoding Options* screen, you must use the **Largest video size** option on the *Video Size* screen to maintain lossless quality. If you change the size of the video, image quality in the resulting video may be degraded.

Once you have entered the desired options in this dialog, choose **Next** to continue with *Produce Video Options*.



Description of Video Size Options

The following table describes each of the options available in the *Video Size* dialog box.

Option	Description and Use
Largest video size	Creates the highlight video using the size of the largest Clip on the <i>Storyboard</i> . Selecting this option is recommended because <i>Manager</i> calculates the size required to include the largest dimensions encountered in the Clips included in the project. Choose the radio button to enable this option.
Standard video size	Creates your highlight video using a standard size of your choice. Click on the radio button to enable the option, and then choose the desired size from the dropdown list.
Custom size	Creates your video using custom dimensions that you set. Click the radio button to enable this option, then type the width and height in the boxes provided.
Stretch to fit	Enlarges small Clips and reduces larger ones to fit with the current size of the video. Note that choosing this option may affect the aspect ratio of some images.
Background color	Sets the background color for the Clips that are smaller than the size specified. Click on the Background Color button to open the <i>Color</i> dialog box. Select the desired color and choose OK .

Option	Description and Use
Back	Moves to the previous screen in the <i>Production Wizard</i> .
Next	Moves to the next screen in the <i>Production Wizard</i> .
Cancel	Exits the <i>Production Wizard</i> without producing your highlight video.
Help	Accesses the help resources for this dialog box and for <i>Manager</i> .

Produce Video Options

The final step in producing a video is the actual rendering. This process assembles all of the audio and video data into one video file based on the sequence you have established on the *Storyboard*. The *Produce Video* dialog box allows you to enter the destination folder name and file name for the video, and lets you choose the desired post-production options.

Once you have set all of the *Produce Video* options, you are ready to start the rendering process. Within the *Produce Video* dialog box, click the **Finish** button. The rendering will begin immediately.



Description of Produce Video Options

The following table describes each of the options available in the *Produce Video* dialog box.

Option	Description and Use
Destination Folder	In the Destination Folder field, select a folder for the video from the dropdown list of recently used folders, or click on the browse button to look for one.
File name	Enter the name of this video.
Show production results	Enable this option to see the <i>Production Results</i> dialog box after the production process is complete.
Play video after production	Enable this option to play the video in <i>Morae Player</i> after the production process is complete.
Back	Choose the Back button to move to the previous screen in the <i>Production Wizard</i> .
Finish	Choose Finish to complete the <i>Production Wizard</i> and begin the rendering process.
Cancel	Choose Cancel to exit the <i>Production Wizard</i> without producing your highlight video.
Help	Choose Help to access the help resources for this dialog box and for <i>Manager</i> in general.

Morae Player

Morae Player is a simple, standalone video player, optimized for playing screen recordings. *Morae Player* always plays videos at 100% of their original size so that they remain readable. It runs on any 32-bit Windows platform, with no dependencies on runtime libraries, OS version, or DirectX. The *Player* is a single .exe file that does not need any setup, nor does it use the registry or any configuration files. *Morae Player* is designed to be as easy to use as possible to avoid support issues.

Command line options are provided which allow *Morae Player* to be invoked in various ways from CD-ROMs, multimedia authoring tools, and scripting languages or batch files. The command line options are listed below in the *Morae Player Command Line Customizations* section.

Morae Player only plays AVI video files. *Morae Player* has built-in support for the TechSmith Screen Capture Codec (TSCC). This means that an AVI encoded with the TSCC codec will always play in the *Morae Player*, even if the TSCC codec is not installed on the system. Any other audio or video codecs required by the AVI file must be installed before *Morae Player* can play the video. *Morae Player* does not setup any shell associations to become the default AVI player.

Opening Morae Player

To open *Morae Player*, choose **Start > All Programs > Morae > Morae Player**.

Morae Player System Requirements

In order to run *Morae Player*, your system must meet the following requirements:










- Microsoft Windows 98, Me, NT 4, 2000, XP or later version.
- Windows-compatible sound card and speakers (recommended)
- 360 KB of hard-disk space for program installation
- Basic Windows multimedia and AVI file support must be installed. This is normally installed by default with Windows.
- The standard Windows MCI Microsoft Video for Windows must be installed. To check if it is installed:
Choose **Start > Control Panel > Sounds, Speech and Audio Devices > Sounds and Audio Devices > Hardware** tab. Then double-click on **Media Control Devices**. Click on the *Properties* tab. The (MCI) Microsoft Video for Windows should show up in the list of Media Control Devices.
- Any audio or video codecs required by your AVI files must be installed. To check if a codec is installed:
Choose **Control Panel > Sounds, Speech and Audio Devices > Sounds and Audio Devices > Hardware** tab. Double-click on the **Audio Codecs** or **Video Codecs** category. Click on the *Properties* tab to see which codecs are installed.

Morae Player Playback Controls

The playback controls are displayed at the top of the player. They are used to control basic playback tasks such as playing, pausing, stopping, rewinding, and fast-forwarding your video files.

Description of Morae Player's Playback Controls

The following table describes each of *Morae Player's* playback controls.

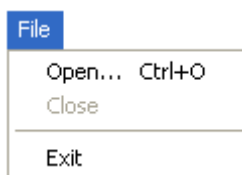
Control Button	Control name	Description and Use
	Play	Choose this button to play the video.
	Pause	Choose the button to pause the video.
	Stop	Choose this button to stop the video.
	Beginning	Choose this button to move the video to the beginning.
	Rewind	Choose this button to rewind the video.
	Forward	Choose this button to fast-forward the video.
	End	Choose this button to move the video to the end.
	Seek Bar	This bar indicates the playback progress of the video. You can drag the seek bar to the location in the video where you want to start playback.
	Volume	Choose this button to access the <i>Volume</i> slider for the <i>Player</i> . Move the slider up to increase the volume or down to decrease it. Check the Mute box to mute the volume.

Morae Player Menu Options

This section describes the options on the *Morae Player File* and *Play* menus.

Morae Player File Menu

The *File* menu options allow you to access the open, close, and exit options. To select a *File* option, choose the desired option from the dropdown menu.



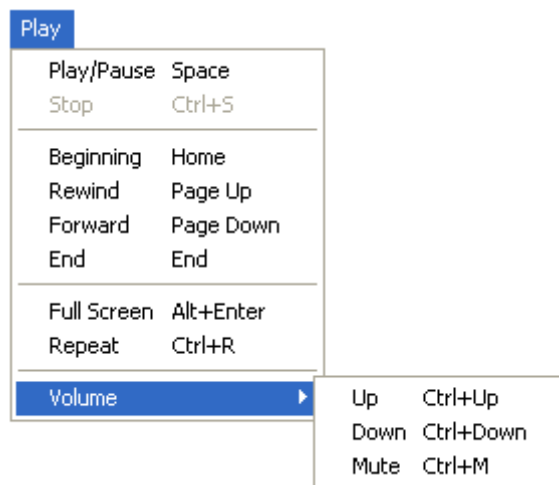
Description of File Menu Options

The following table describes all of the options on the *File* menu.

Option	Description and Use
Open	Opens a standard <i>Open</i> dialog box that allows you to select the AVI file that you want to play.
Close	Closes the current AVI file.
Exit	Exits the <i>Morae Player</i> .

Morae Player Play Menu

The *Play* menu options allow you to access the options that are available on the playback controls, as well as the Full Screen and Repeat options.



Description of Play Menu Options

The following table describes all of the options on the *Play* menu.

Option	Description and Use
Play/Pause	Choose this option to begin playing the video; this option also toggles to Pause , which pauses the video.
Stop	Choose this option to stop the video from playing.
Beginning	Choose this option to move the video to the beginning.
Rewind	Choose this option to rewind the video.
Forward	Choose this option to fast-forward the video.
End	Choose this option to move the video to the end.
Full Screen	Choose this option to play the video in full screen mode. With this option, the video does not enlarge; instead, the background of the screen is filled in to hide the rest of the desktop. Use the ESC key to exit the full screen mode.

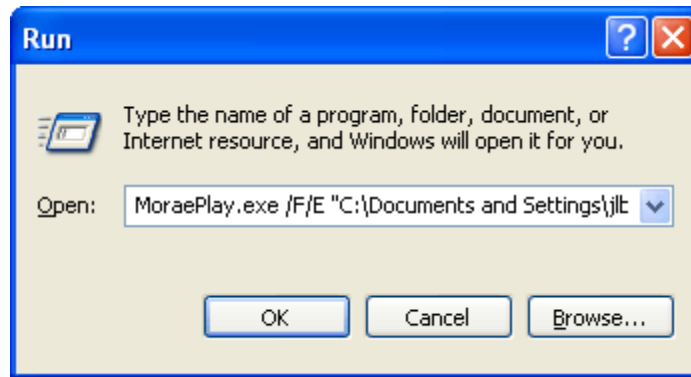
Option	Description and Use
Repeat	Choose this option to loop the video so that it plays again from the beginning. The video will replay indefinitely until you disable the Repeat option.
Volume	Choose this button to access the <i>Volume</i> flyout menu, which allows you to adjust the volume Up , Down , or to Mute it.

Morae Player Command Line Customizations

When you launch *Morae Player*, by default it has a title bar, a menu bar, a tool bar, and a status bar. You can customize those elements by specifying arguments on the command line when launching *Morae Player*. If you have installed *Morae Player* in the default directory, the exact syntax for the command line arguments is:

MoraePlay.exe [<options>] [<file>]

where <options> can include any of the command line options described in the following table and <file> is the path to any video file (including the file name is optional). Be sure to enclose the path to the file in quotes.



For example, when putting *MoraePlay.exe* in the **Run Program** field, you could set it up to run a specific file in full screen (/F) and then exit when finished (/E), by using the following syntax (also illustrated in the figure below):

MoraePlay.exe /F /E "[path to video file]"

Note: If you get an error message that *Morae Player* cannot be found, you will need to type in the entire path to the directory that contains *Morae Player* and enclose the pathname in quotes. For example:

"C:\Program Files\TechSmith\Morae\MoraePlay.exe"

Description of Morae Player Command Line Options

The following table describes all of the command line options available for *Morae Player*.

Command Line Option	Description
/A	Launches with "Always on top" option.
/BC RGB(255,0,255)	Sets background color; the default is black.
/D	Launches without allowing "dragging" by the video area.
/E	Exits after playing the video.

Command Line Option	Description
/F	Launches in Full Screen mode.
/M	Launches without a menu bar.
/MX	Launches without its window maximized.
/open	Opens the specified video (<file>) but does not play it.
/play	Immediately plays the specified video (<file>); this is the default setting.
/R	Repeats the video indefinitely.
/S	Launches without a status bar.
/ST	Stay on last frame after playback.
/T	Launches without a title bar.
/TB	Launches without a tool bar.

More Examples of Command Line Use with Morae Player

MoraePlay.exe “C:\MyVideos\clip1.avi”– Play “clip1.avi” with *Morae Player*’s default user interface.

MoraePlay.exe /M “C:\MyVideos\clip2.avi” – Open Clip without a menu bar.

MoraePlay.exe /BC RGB(128,128,128) /F “C:\MyVideos\clip3.avi”– Play “clip3.avi” full screen and fill the background with dark gray if the video does not fill the entire screen.

Changing Morae Player’s Background Color from the Command Line

You can change the background color on which video files are displayed in *Morae Player*. The background color shows only when the video that is playing does not fill the entire frame. For example, if the player is maximized while a 360x240 video is playing, the background color will fill in around the edges of the video.

By default, the background is black. To change the background color, you must specify a color argument with the syntax RGB (r,g,b) where r, g, and b are the red, green and blue components of the color, respectively.

Values for r, g, and b are in the range 0 to 255. For example:

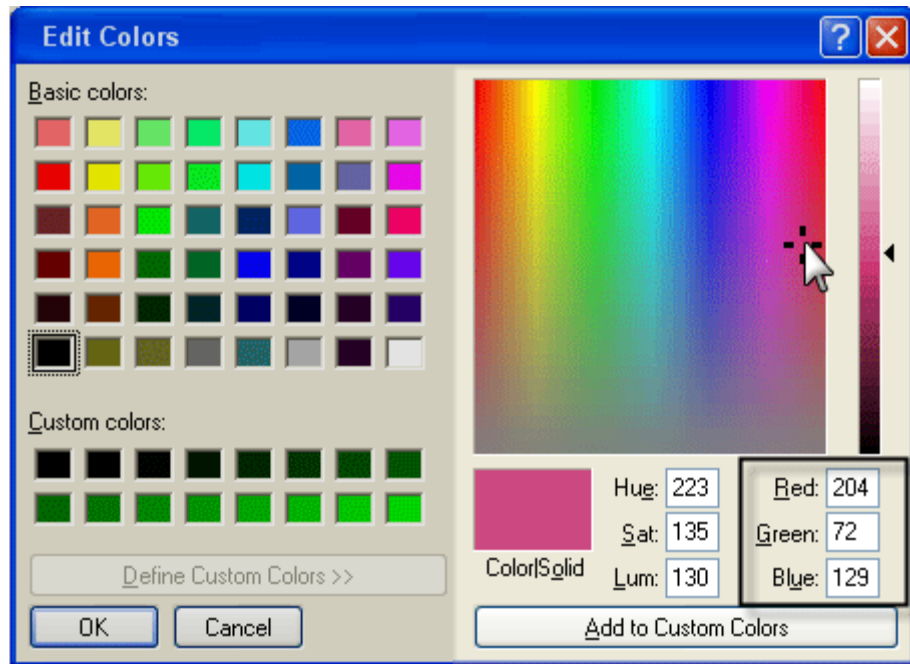
- RGB(0,0,0) = black
- RGB(255,255,255) = white
- RGB(0,0,255) = blue
- RGB(255,0,255) = teal green
- RGB (128,128,128) = dark gray

How to Determine the RGB Values for a Color

You can use MS Paint to locate RGB numbers by following these steps:

1. Open MS Paint.
2. Double-click on the paint box to open the *Edit Color* dialog box. Click on the **Define Custom Colors** button. The *Custom Color* palette will display.

3. Click on a color in the color grid. The spectrum will display along with the RGB color code.



4. Find the desired color and read the RGB values from the boxes below the color spectrum.
5. Enter the RGB code in the command line using the format given in the paragraph above.

Using Pack and Show

This option allows you to package your AVI video for easy one-step distribution to your users. *Pack and Show* creates a Windows executable (.exe) file that users can simply double-click to unpack the file, install the TSCC codec and *Morae Player* (if you have included them) and play the video.

Note: The TSCC codec is built into the *Morae Player*. This means that you do not need to install the TSCC codec on the host machine in order to view the video if you are using *Morae Player* for playback.

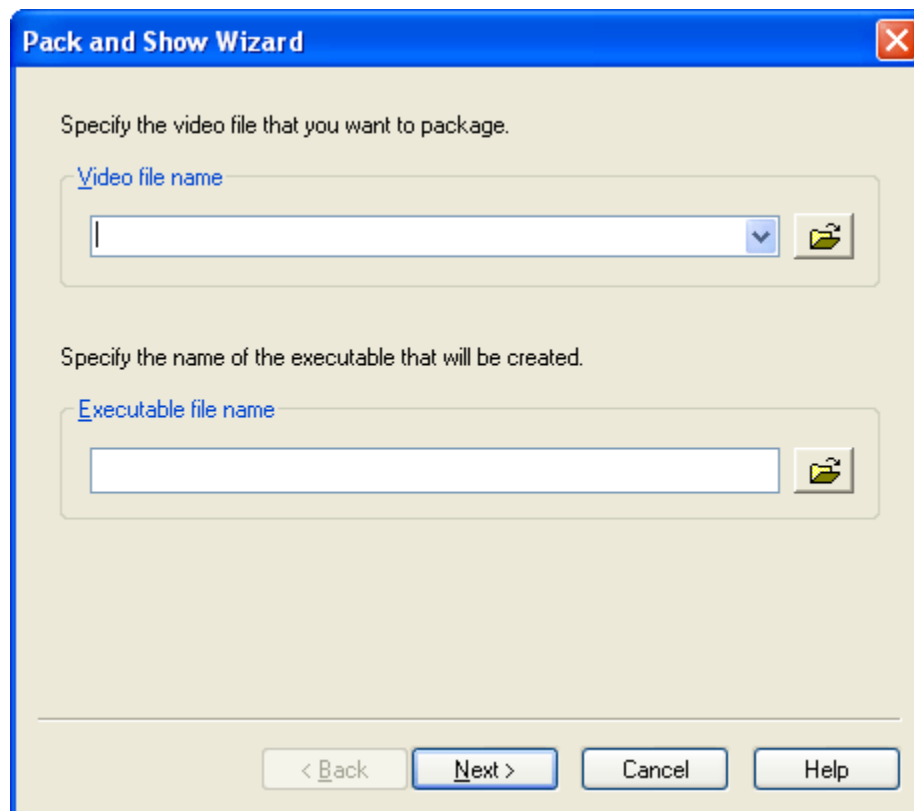
You have the options to include the TSCC codec and *Morae Player* in the package, so that they will be automatically installed on the viewing computer. When viewers receive the .exe file, they simply double-click it to unpack it, install TSCC if desired, and show the video.

There are two advantages to *Pack and Show*:

- Viewers get everything they need in order to watch a TSCC-encoded video.
- The packaging process may reduce the size of files to be distributed without affecting the video quality. For example, when the video contains uncompressed audio, packaging will reduce the file size, but the audio quality will be unaffected.

Step 1: Creating a Pack and Show File

1. In *Manager's Presenter* tab, choose **File > Pack and Show**. The following *Pack and Show Wizard* dialog box opens:

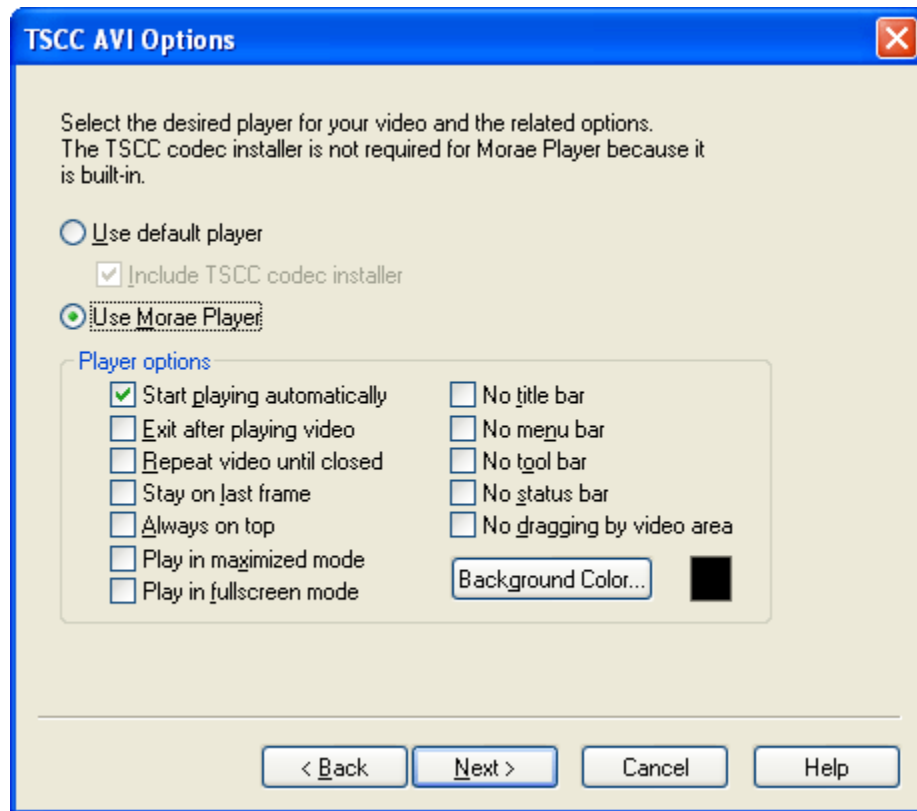


2. In the **Video file name** field, make a selection from the dropdown list, or click on the **Browse** button to locate and select the desired video.

3. The name of the executable file and its path is automatically populated in the **Executable file name** field based upon the name of the video that was chosen. It is stored in the same directory as your selected video. You can accept the default entry or enter a new file name and/or path.
4. Once these fields are filled in, choose **Next**.

Step 2: Selecting the Pack and Show AVI Options

The *TSCC AVI Options* dialog displays for packaging an AVI video that has the TSCC codec built into it.



By default, the **Use Morae Player** option is selected. The TSCC codec is built into the *Morae Player*. This means that you do not need to install the TSCC codec on the host machine in order to view the video encoded with the TSCC codec if you are using *Morae Player* for playback. Select the desired *Player* options (which are described in the following table).

If you would like to use the default player that is on the host machine instead, then select the **Use default player** option. If desired, check the **Include TSCC codec installer** option.

Once you have completed your selections, choose **Next**.

Description of *Morae* Player Options

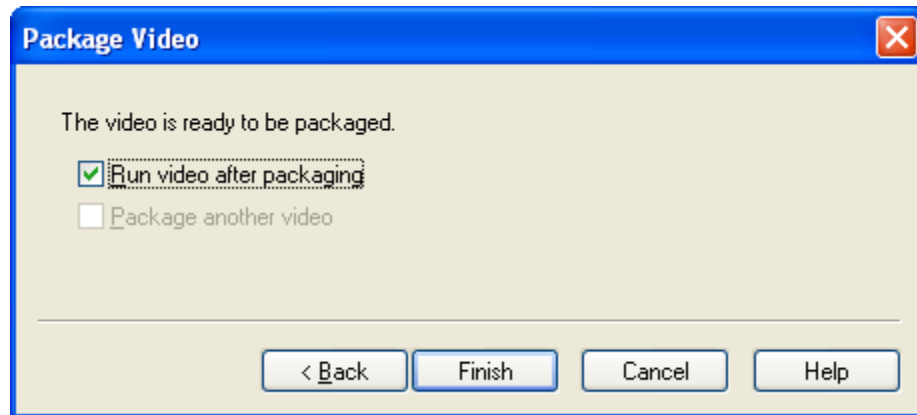
The *TSCC AVI Options* dialog box contains a variety of player options to choose from. The following table describes each of the *Morae Player* options that can be included in your *Pack and Show* video.

Player Option	Description
Start playing automatically	Starts <i>Player</i> as soon as viewers double-click the <i>Pack and Show</i> executable.
Exit after playing video	<i>Player</i> closes automatically as soon as video is done playing.
Repeat video until closed	Automatically repeats video until <i>Player</i> is manually closed by user.
Stay on last frame	<i>Player</i> stops on and displays last frame when video finishes.
Always on top	<i>Player</i> will reside as the topmost application on the desktop.
Play in maximized mode	<i>Player</i> operates at maximum size on the screen.
Play in full screen mode	Choose this option to play the video in full screen mode. With this option, the video does not enlarge; instead, the background of the screen is filled in to hide the rest of the desktop. Use the ESC key to exit the full screen mode.
No title bar	No title bar displays while <i>Player</i> is running.
No menu bar	No menu bar displays while <i>Player</i> is running.
No toolbar	No tool bar displays while <i>Player</i> is running.
No status bar	No status bar displays while <i>Player</i> is running.
No dragging by video area	You cannot reposition the <i>Player</i> by clicking and dragging within the video area.
Background Color	Sets the background color. This is the color that is seen around the video if the video size does not take up the full screen when the full screen option is enabled. Click on the Background Color button to reveal the <i>Color</i> dialog box. Select the desired color and choose OK . The color will be updated in the dialog box.

Note: These *Morae Player* options are also available to use at the command line. For more information, see *Morae Player Command Line Customizations*.

Step 3: Selecting Package Video Options

The *Package Video* dialog box displays.



- To play the video after it has been packaged, enable the **Run video after packaging** option.
- To package another video using this wizard, enable the **Package another video** option.

Step 4: Finishing Up

Choose **Finish** to start the packaging process. The packaging will begin and a status bar will display to alert you to the progress.

After the packaging process is complete, the video file is now packaged into an executable file and stored on your computer. If you opted to play the video after packaging, it will automatically begin playing.

To distribute the video, simply ship the file with the .exe extension, instructing the recipient to double-click the file to open and play it.

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