

3

Using Matrox MediaTools

This chapter explains how to use Matrox MediaTools to scan and capture clips from your DV-1394 device, create a batch capture list, grab single-frame images, and export clips to an Adobe Premiere project.

About Matrox MediaTools

Matrox MediaTools is a DV capture application that allows you to perform automatic, unattended DV tape scanning and batch capture. With MediaTools, you can:

- In a single pass, automatically scan and capture clips from a DV tape into *.avi* files on your computer.
- Automatically scan an entire DV tape to create a batch capture list.
- Capture clips from a batch capture list at a later time, and adjust the In and Out points of clips prior to capturing.
- Capture live video from your DV-1394 device.
- Use onscreen transport controls to navigate quickly and easily through clips on tape or clips on disk.
- Grab single-frame images and save them as *.tga* or *.avi* files, such as to create photo montages.
- Edit the In and Out points of clips and recapture them.
- Change the order of clips in your clip list by simply dragging and dropping clips into the sequence you want.
- Export your clip list to an Adobe Premiere project where you can add Matrox realtime effects.



Note Your clips are captured in native DV format (that is, Matrox DV/DVCAM format).

Preparing your tapes for use with MediaTools

The tapes you use with MediaTools must contain continuous and consecutive time code, and all material must be recorded at the same speed. Leaving blank gaps between recorded material results in discontinuous time code. To avoid this problem, stripe your entire tape with time code before recording your source material. You can stripe your entire tape by recording black video for the duration of the tape. To do this, insert a blank tape into your camcorder, put the lens cap on, then record up to the end of the tape.



Note MediaTools requires about six seconds of preroll before capturing material. Therefore, don't record material that you want to capture within the first six seconds of your DV tape.

Starting Matrox MediaTools

Before you start Matrox MediaTools, make sure that your DV-1394 device is:

- Properly connected and turned on.
- Set to VTR mode to capture from tape, or Camera mode to capture live video.
- Loaded with a striped tape. To avoid problems, make sure your tape is **not** at the end.



Tip If you want to capture live video, make sure that the cassette compartment is empty to avoid possible auto-shutdown of the camera. For information on how to capture live video, see [“Capturing live video”](#) on page 20.



To start Matrox MediaTools:

1 Close any program you have running that uses your Matrox RT.X100, such as Adobe Premiere.

2 Choose **Start > Programs > Matrox X.tools > Matrox MediaTools**.

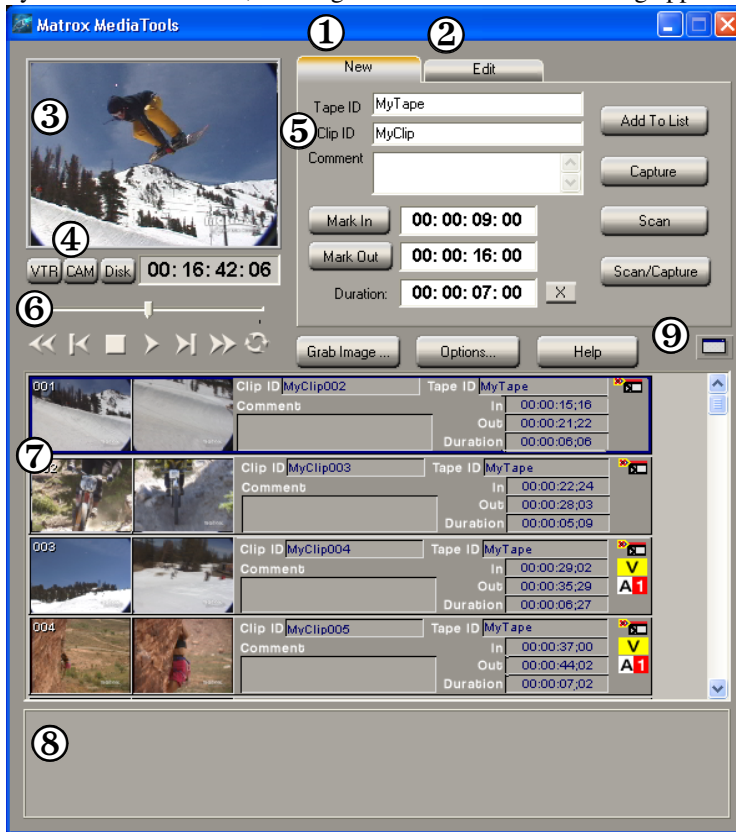


Note The first time you start MediaTools, the **Options** dialog box will be displayed. You can choose to display this dialog box each time you start MediaTools. For information on the **Options** dialog box, see [“Defining your capture settings”](#) on page 17.

3 To close the **Options** dialog box and start working with MediaTools, click **OK**.

Using the Matrox MediaTools interface

When you start MediaTools, a dialog box similar to the following appears:



Here's a brief description of the **MediaTools** dialog box:

- ① **New tab** Use this tab to scan and capture new clips to add to your clip list, and create batch capture lists. For more information, see [“Scanning and capturing clips”](#) on page 19.
- ② **Edit tab** Use this tab to capture clips in a batch capture list, edit and recapture clips, and update clip information. For details, see [“Capturing clips from a batch capture list”](#) on page 23 and [“Editing clips”](#) on page 23.
- ③ **Preview Window** Allows you to preview clips on tape or clips on disk. Your clips are also displayed on your NTSC or PAL video monitor.
- ④ **VTR, CAM, and Disk buttons** These buttons let you switch between the following modes:

- **VTR** mode lets you control your DV-1394 device to capture and play back clips on tape.
 - **CAM** mode lets you capture live video from your DV-1394 device.
 - **Disk** mode lets you play back captured clips in your clip list.
- ⑤ **Clip identification area** This section contains several items to help you identify your clips.
- **Tape ID** Displays the name that you’ve assigned to the DV tape in your DV-1394 device.
 - **Clip ID** Displays the base name for your new clips when using the **New** tab, or the name of the currently selected clip when using the **Edit** tab. For details, see [“How MediaTools assigns clip names”](#) on page 19.
 - **Comment** Lets you enter comments that help you distinguish between clips in your clip list.
- ⑥ **Transport controls** A set of common transport controls that lets you easily navigate through clips on tape and clips on disk. For more information, see [“Navigating through clips with the transport controls”](#) on page 13.
- ⑦ **Clip list** A numbered list of clips and their properties. As you scan or capture clips in MediaTools, your clips are automatically added to the clip list. The clip list can be docked to the **MediaTools** dialog box or float freely as a resizable window. For more information on using the clip list, see [“Working with the clip list”](#) on page 24.
- ⑧ **Status bar** Displays information about the operation you’re currently performing in MediaTools, such as clip information during a scan or capture.
- ⑨ **Float/dock clip list button** This button lets you dock the clip list to the **MediaTools** dialog box, or detach the clip list so that you can move and resize it. For more information, see [“Detaching and resizing the clip list”](#) on page 26.

Using the MediaTools pop-up menu

When you right-click anywhere in the clip list, a pop-up menu appears containing commands for working with MediaTools. All commands present in the MediaTools pop-up menu are described in this chapter.

Navigating through clips with the transport controls

MediaTools includes a common set of transport controls for navigating through clips on tape and clips on disk. You indicate the type of material you wish to control by selecting **VTR** or **Disk**. In **VTR** mode, the transport controls are used to navigate through clips on your DV tape. In **Disk** mode, the transport controls are used to control playback of clips from your hard drive (that is, .avi files for clips in your clip list).



Note The transport controls are disabled in **CAM** mode.

The transport controls are much like those on your VTR:



Most of these controls perform standard transport functions, but some can be used for special tasks:



- **Shuttle/seek** Drag the slider on the **Positioner** to shuttle through your tape or any clip in your clip list.
- **Cue to In or Out point on disk** Click the **Rewind** or **Fast Forward** button to cue to the beginning or end of a clip on disk. Press **SHIFT+Mark In/Out** to cue to the In or Out point of a clip.
- **View frame-by-frame** Click the **Frame Reverse** or **Frame Advance** button.
- **Play a clip on disk repeatedly** Click the **Loop** button, then click the **Play** button.



Tip You can play back selected clips by right-clicking the clip list and choosing **Play From Tape** or **Play From Disk** from the pop-up menu. If multiple clips are selected in the clip list, the clips play back according to their assigned number (order) in the clip list. You can also play back any captured clip by double-clicking the clip in the clip list.

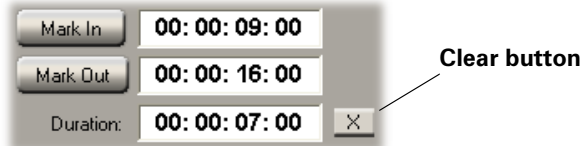
Keyboard Shortcuts		
CMX-style		Premiere-style
K	Disk mode	D
L	VTR mode	V
B	Play	L or SPACEBAR
Z	Rewind	R
X	Fast Forward	F
' (apostrophe)	Frame Advance	right arrow or 2
; (semicolon)	Frame Reverse	left arrow or 1
V	Stop	S or K
A	Loop	A



Note To select the style of keyboard shortcuts you want to use, click the **Options** button in the **MediaTools** dialog box, then select the option you want under **Transport Control Shortcuts**.

Using the time code fields

The time code fields display the In and Out points and duration of your clips.



The following sections describe how to:

- Mark In and Out points.
- Edit the time code fields.
- Change the time code fields' format.

Marking In and Out points

To define a clip's In and Out points, you can either mark them as explained in this section, or you can type the In and Out points directly into the time code fields as explained in the next section.

To mark the In and Out points of your clip, do one of the following:

- Play your material and click the **Mark In** or **Mark Out** button when you see the frame where you want your clip to start or end, respectively.

- For increased precision, stop your clip at the appropriate frame and click the **Mark In** or **Mark Out** button.

You can cue to your In or Out point on tape by **SHIFT+clicking** the **Mark In** or **Mark Out** button.

Keyboard shortcuts		
CMX-style		Premiere-style
M	Mark In	I
, (comma)	Mark Out	O
SHIFT+Mark In	Cue In	SHIFT+Mark In
SHIFT+Mark Out	Cue Out	SHIFT+Mark Out

Editing the time code fields

When you type a time code in an empty or highlighted time code field, the numbers fill each section sequentially from right to left (frames, seconds, minutes, and hours), and separators are placed for you between the sections.



If you enter a value that exceeds the two-digit limit for a section, the appropriate time code will be calculated when you press the **TAB** key. For example, if you type 9005 (90 seconds, five frames) and press **TAB**, it will be calculated as 00:01:30:05 (one minute, 30 seconds, five frames) on an NTSC system.

When at least two time code fields are defined, MediaTools automatically calculates the remaining field. For example, once you've defined the In and Out points for a clip, its duration will be calculated for you.



To clear all the time code fields, click the clear button.

Changing the time code display

A value in a time code field can be displayed and entered as a time code or a specific number of frames. The first time you run MediaTools, the fields display time codes. To toggle between the two formats, press **CTRL+SHIFT** while the insertion point (flashing vertical bar) is in any time code field.

For example, on an NTSC system, you could change a value of 24:04 (24 seconds, 4 frames) to 724 frames by pressing **CTRL+SHIFT**. You could then edit the field in frames and switch back to time codes again by pressing **CTRL+SHIFT**.

The time code format of your DV tape is indicated by the separator between the seconds and frames digits in the time code fields as follows:

- A semicolon (;) indicates drop frame.
- A colon (:) indicates non-drop frame.



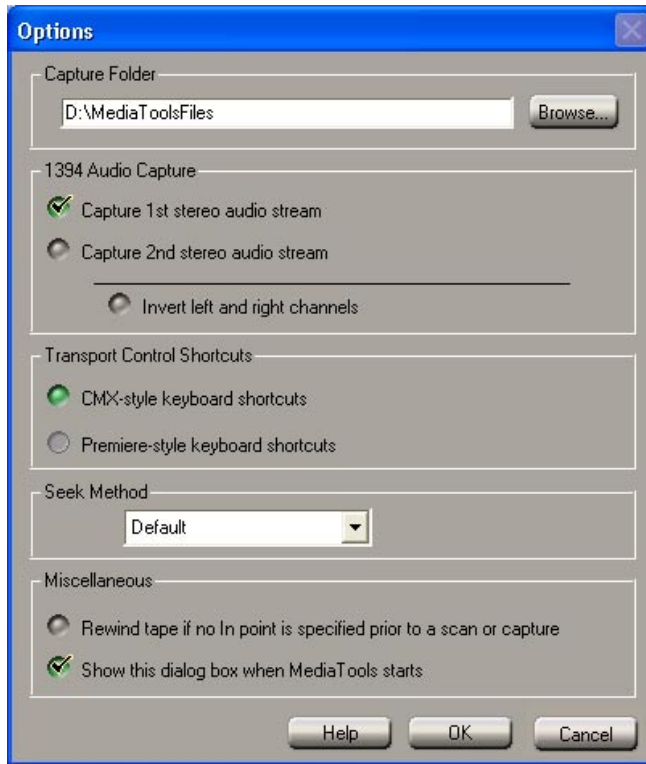
Note MediaTools automatically detects the time code format on your DV tape. If MediaTools is unable to determine the format, you'll be prompted to select the format that matches the format on your DV tape.

Defining your capture settings

Before capturing clips with MediaTools, you need to specify various capture settings, such as the folder where you want MediaTools to store your captured clips.

⇒ **To define your capture settings for MediaTools:**

- 1 Click the **Options** button.



Note By default, the **Options** dialog box is configured to pop up every time MediaTools starts. To turn off this feature, clear **Show this dialog box when MediaTools starts**.

- 2 Under **Capture Folder**, specify the folder where you want to store your captured clips. For more information, see [“Selecting your capture folder”](#) on page 18.
- 3 Under **1394 Audio Capture**, select which DV stereo audio streams you want to capture. If you capture only one DV stereo stream, the audio stream of your stereo clip will be embedded in your .avi file, creating a single interleaved audio and video file. If you choose to capture both DV stereo

streams, the second audio stream will be saved to a separate audio file named *clipID_2ndStream.wav*.



Note When capturing audio over the 1394 interface with certain DV devices (such as Sony or Canon), the left and right channels may be inverted in the resulting .wav file. If this happens, you can select **Invert left and right channels** to correct the problem.

- 4 Under **Transport Control Shortcuts**, select which style of keyboard shortcuts you would like to use to navigate through clips on tape or clips on disk with the transport controls. For a list of available shortcuts, see [“Keyboard shortcuts”](#) on page 29.
- 5 Under **Seek Method**, if you’re having trouble controlling your DV-1394 device, select an alternate method to improve its performance. For example, if your DV-1394 device stops responding after performing a batch capture or cues incorrectly to an In/Out point on tape, you can experiment with alternate seek methods.



Note Most devices work best with the default seek method. If, however, an alternate seek method improves the performance of an RT.X-compatible DV-1394 device, this will be mentioned in the RT.X Support section of our web site.

- 6 Under **Miscellaneous**, you can select the option to rewind your DV tape if no In point is specified prior to starting a scan and capture. If you don’t select this option, MediaTools will start scanning and/or capturing from the tape’s current position.
- 7 Click **OK** to save your settings and return to the **MediaTools** dialog box.

Selecting your capture folder

You can select the folder where you want MediaTools to store your captured clips by typing the drive and folder name directly into the **Capture Folder** box, or by using the **Browse** button.



To ensure the best capture and playback performance of your clips, save them on one of your A/V drives.

MediaTools will save your video and audio clips in a subfolder with the same name as the **Tape ID**. For example, if you selected *D:\MediaTools* as your capture

folder, all video and audio clips from tape “MyTape” will be saved in *D:\MediaTools\MyTape*.

How MediaTools assigns clip names

When using the **New** tab, **Clip ID** displays the base name for your new clips. For example, if the **Clip ID** is “MyClip,” MediaTools will assign the name *MyClip000.avi* to the first new clip you capture, and continue naming clips sequentially (for example, *MyClip001.avi*, *MyClip002.avi*, etc.). Before scanning or capturing new clips, you can change the **Clip ID** to any base name you like.

When editing clips using the **Edit** tab, **Clip ID** displays the name of the selected clip in the clip list. You can change the name by typing a new name in the **Clip ID** box on the **Edit** tab, then clicking **Update**. You can also change a clip ID directly in the clip list by typing a new name in the clip’s **Clip ID** box, then pressing **ENTER**.



Note Changing the clip ID for a captured clip will **not** change the clip’s file name.

Scanning and capturing clips

With MediaTools, you can automatically scan and capture clips from a DV tape in a single pass. Scanning the tape identifies all the individual clips on your tape based on when the DV-1394 device started recording and when it stopped. You can also choose to capture live video from your DV-1394 device. Capturing saves the clips as .avi files on your computer’s hard drive, which you can later export to an Adobe Premiere project (see [“Exporting your clip list to an Adobe Premiere project”](#) on page 28).



To scan and capture clips from your DV tape:

- 1 In the **MediaTools** dialog box, click the **VTR** button.
- 2 In the **Tape ID** box, type a name for the tape presently loaded in your DV-1394 device. In the **Clip ID** box, type the base clip name you’d like to be assigned to your clips. For more information, see the previous section, [“How MediaTools assigns clip names.”](#)
- 3 Mark or type in the In and Out points to identify where you want the scan/capture to start and stop.




Note If you don’t set an In point, MediaTools will start scanning from the current tape position, or rewind your tape before starting the scan/capture if you selected that option in the **Options** dialog box.

- 4 Click **Scan/Capture**.
- 5 Each time the video sequence on the tape changes, the clip is captured and added to the clip list. Each clip also appears with time code information and an icon representing the first and last frames of the clip.

- 6 To stop the scan/capture before the Out point is reached (or if you left the Out point blank), click the **Stop and Mark Out** button.



Note You can identify captured clips by the small video and audio icons () in the clip list. If you captured both DV stereo streams, a second audio icon (A2) will appear in the clip list.

Capturing individual clips from tape



To capture individual clips from your DV tape:

- 1 In the **MediaTools** dialog box, click the **VTR** button.
- 2 In the **Tape ID** box, type a name for the tape presently loaded in your DV-1394 device. In the **Clip ID** box, type the base clip name you'd like to be assigned to your clip. For more information, see [“How MediaTools assigns clip names”](#) on page 19.
- 3 Mark or type in the In and Out points of the clip you want to capture.



Note If you don't set an In point, MediaTools will start capturing from the current tape position, or rewind the tape before starting the capture if you selected that option in the **Options** dialog box.

- 4 Click **Capture**.
- 5 MediaTools will start capturing the clip. To stop the capture before the Out point is reached (or if you left the Out point blank), click the **Stop and Mark Out** button.
- 6 Your captured clip is added to the clip list with time code information and an icon representing the first and last frames of the clip.

Capturing live video



To capture live video from your DV-1394 device:

- 1 In the **MediaTools** dialog box, click the **CAM** button. To capture live video, your DV-1394 device must be set to Camera mode.



Note To avoid problems, turn off your device for a few seconds before switching modes on your DV-1394 device, and make sure that the cassette compartment of your device is empty to avoid possible auto-shutdown of the camera.

- 2 In the **Clip ID** box, type the base clip name you'd like to be assigned to your clip. For more information, see [“How MediaTools assigns clip names”](#) on page 19.
- 3 Type in a duration for the clip you want to capture.
- 4 Click **Capture**.
- 5 MediaTools will start capturing the clip. To stop the capture before the duration is reached, click the **Stop and Mark Out** button.

- 6 Your captured clip is added to the clip list with its duration and an icon representing the first and last frames of the clip.

Creating a batch capture list

A batch capture list is a list of clips with defined In and Out points for clips on tape that you have not yet captured. There are two ways to create a batch capture list with MediaTools. You can automatically scan your DV tape to create a batch capture list of clips on your tape, or you can specify the In and Out points of individual clips on tape, and add them to your clip list.

Scanning clips



To create a batch capture list of scanned clips from your DV tape:


- 1 In the **MediaTools** dialog box, click the **VTR** button.
- 2 In the **Tape ID** box, type a name for the tape presently loaded in your DV-1394 device. In the **Clip ID** box, type the base clip name you'd like to be assigned to your clips. For more information, see [“How MediaTools assigns clip names”](#) on page 19.
- 3 Mark or type in the In and Out points to identify where you want the scan to start and stop.



Note If you don't set an In point, MediaTools will start scanning from the current tape position, or rewind your tape before starting the scan if you selected that option in the **Options** dialog box.

- 4 Click **Scan**.
- 5 Each time the video sequence on the tape changes, the clip is added to the clip list with time code information and an icon representing the first and last frames of the clip.
- 6 To stop the scan before the Out point is reached (or if you left the Out point blank), click the **Stop and Mark Out** button.
- 7 If you want to save your batch capture list so that you can capture the clips at a later time, right-click the clip list and choose **Save As**. For more information on saving and loading clip lists, see [“Saving and loading a clip list”](#) on page 25.
- 8 When you're ready to capture your clips, see [“Capturing clips from a batch capture list”](#) on page 23.



Note “Scanned only” clips have only a small tape icon () in the clip list.

Adding clips to a batch capture list



To define individual clips that you want to add to your batch capture list:

- 1 In the **MediaTools** dialog box, click the **VTR** button.
- 2 In the **Tape ID** box, type a name for the tape presently loaded in your DV-1394 device. In the **Clip ID** box, type the base clip name you'd like to be assigned to your clips. For more information, see [“How MediaTools assigns clip names”](#) on page 19.
- 3 Use the transport controls to navigate through clips on tape in your DV-1394 device.
- 4 Specify the In and Out points for your clip using any of the following methods:
 - Mark or type in the In and Out points of your clip, then click **Add To List** to add the clip to your clip list.
 - Mark or type in the In point of your clip, then click **Add To List**. MediaTools will cue to the In point of the clip and begin playing the tape until you click **Stop and Mark Out**.
 - Mark or type in the Out point of your clip, rewind your tape to where you want your clip to start, then click **Add To List**. MediaTools will use the tape's current position as the In point.
- 5 Continue adding new clips until you've completed your batch capture list.
- 6 If you want to save your batch capture list so that you can capture the clips at a later time, right-click the clip list and choose **Save As**. For more information on saving and loading clip lists, see [“Saving and loading a clip list”](#) on page 25.
- 7 When you're ready to capture your clips, see the next section, [“Capturing clips from a batch capture list.”](#)

Capturing clips from a batch capture list



To capture clips from your batch capture list:

- 1 In the **MediaTools** dialog box, click the **VTR** button.
- 2 Click the **Edit** tab.
- 3 Select the clips you want to capture in the clip list. If you want to capture all your clips, right-click the clip list and choose **Select All**.
- 4 Click **Capture**.
- 5 If needed, you'll be prompted to load the appropriate tape in your DV-1394 device. MediaTools will start capturing the selected clips in the order in which they appear on the tape. All selected clips in the clip list will be captured unless you click **Stop and Mark Out** to stop the capture.

Editing clips

You can edit the In and Out points of a captured clip and recapture it. You can also update the **Clip ID** and **Comment** information for clips in your clip list.



Note You can only edit and recapture clips that you originally captured in MediaTools. You cannot, however, recapture clips captured using **CAM** mode.

Updating and recapturing clips



To edit and recapture a clip:

- 1 In the **MediaTools** dialog box, click the **VTR** button.
- 2 Select a captured clip that you want to edit in the clip list. MediaTools will automatically switch to the **Edit** tab.
- 3 Mark or type in new In and Out points, or a new clip duration.
- 4 To update the information in the time code fields, click **Update**. A warning message is displayed to warn you that changing the In and Out points of the clip requires the clip's files to be deleted from your hard drive. Click **Yes** to change the In and Out points of the clip.
- 5 To recapture the clip, click **Capture**.
- 6 If needed, you'll be prompted to load the appropriate tape in your DV-1394 device. MediaTools will cue to the In point of the clip and capture it.
- 7 To stop the capture before the Out point is reached (or if you left the Out point blank), click the **Stop and Mark Out** button.



Tip The **Update** button can also be used to update the **Clip ID** and the **Comment** by simply typing in the text boxes and clicking **Update**. For more information on the clip ID, see [“How MediaTools assigns clip names”](#) on page 19.

Changing a clip's In and Out icons

In and **Out** icons are the small icons representing the first and last frames of a clip in the clip list. These icons can be changed to better represent your clip.



⇒ **To change the In and Out icons of scanned or captured clips in the clip list:**

- 1 Use the transport controls to play back your clip in the **Preview Window** and on your NTSC or PAL video monitor.
- 2 When you see the frame you want for the **In** icon, click **Grab In Icon**. MediaTools automatically updates the icon.
- 3 When you see the frame you want for the **Out** icon, click **Grab Out Icon**.

Working with the clip list

The following sections explain how to add new clips to the clip list, save and load clip lists, copy, move and delete clips, and how to detach and resize the clip list.

Adding clips

You can add a clip or a series of clips (.avi files) to the clip list using any of the following methods:

- On the **New** tab, enter valid In and Out points in the time code fields, then click **Add To List**. For more information about this feature, see [“Adding clips to a batch capture list”](#) on page 22.
- Drag an .avi file from a file management program, such as Windows Explorer, to the clip list. If you're adding clips to an existing clip list, you can drag them to the bottom of the clip list, or place them in a specific position using the methods described in the section [“Moving clips”](#) on page 25.
- Right-click the clip list, then choose **Import Clip** from the pop-up menu (or double-click an empty area of the clip list). In the **Open** dialog box, select the .avi files you want to import, then click **Open**.

Saving and loading a clip list

To save a clip list, right-click the clip list. Choose **Save As** from the pop-up menu to save your current clip list as a *.dvl* file.

You can load a clip list (*.dvl*) using any of the following methods:

- Right-click the clip list. Choose **Open Clip List** or **Open Recent** to select a recently-opened clip list.
- Drag a *.dvl* file from a file management program, such as Windows Explorer, to the clip list.
- Double-click the *.dvl* file in Windows Explorer to start MediaTools and load the clip list. Make sure that MediaTools is **not** running when you do this.



Note If you load a *.dvl* file to a clip list that already contains clips, it will replace the current clip list.

Copying clips

You can copy a clip or a series of clips in the clip list using either of the following methods:

- Select the clips you want to copy, right-click the clip list, then choose **Copy** from the pop-up menu. Select a clip in the clip list, then choose **Paste** to paste the copied clips above the currently selected clip.
- Select the clips you want to copy, then **CTRL+drag** the clips and drop them into the sequence you want.



Note When copying a clip, the clip's *.avi* file is not copied, only the reference to the clip on tape is copied. MediaTools assigns the *-Copy* extension to the **Clip ID** of the copied clips.

Moving clips

You can change the order of clips in the clip list, such as to arrange clips in the order you want them to play back when using the **Play From Tape** or **Play From Disk** command. To rearrange your clips, do any of the following:

- Select the clips you want to move, then drag and drop them into the sequence you want. If you drag clips up in the clip list, the clips are inserted above the black line. If you drag clips down in the clip list, the clips are inserted below the black line. Releasing the mouse button places the clips in the list and ripples the position of all subsequent clips in the clip list.
- Select the clips you want to move, then right-click the clip list. Choose **Cut** from the pop-up menu to cut the clips. Select a clip in the clip list, then choose **Paste** to paste the clip above the currently selected clip.

Deleting clips

Select the clips you want to delete, right-click the clip list, then choose one of the following from the pop-up menu:

- To delete only the selected clips from the clip list, choose **Delete Clip Only**.
- To delete the selected clips and their corresponding files from your hard drive, choose **Delete Clip + File**.
- To delete only the files for the selected clips from your hard drive (the clips will remain in your clip list), choose **Delete File Only**.




Note When you choose to **Delete File Only**, MediaTools keeps the reference to the clip on tape in case you want to recapture the clip at a later time.

Keyboard shortcuts

Delete Clip Only	DELETE
Delete Clip + File	SHIFT+DELETE
Delete File Only	CTRL+DELETE

Detaching and resizing the clip list

You can change the size of your clip list to suit your needs. First, detach the clip list from the **MediaTools** dialog box by clicking the **Float/dock clip list** button () above the clip list. Now the clip list can be freely moved and resized. To resize the clip list, drag the sides or corner of the clip list as needed. You can also use the standard Windows **Maximize** and **Restore** buttons in the top right corner of the window.

After resizing, MediaTools will automatically rearrange the clips in the clip list. To dock the clip list back to the **MediaTools** dialog box, click the **Float/dock clip list** button, or click the **Close** button in the top right corner of the **Clip List** window. Once the window is docked again, MediaTools will remember the previous size and location of the clip list for the next time you detach the clip list.

Grabbing a single-frame image

You can grab single-frame (still) images and save them as *.tga* or *.avi* files to use in your Adobe Premiere projects. Your source video can be a clip on tape, a clip on disk, or live video.

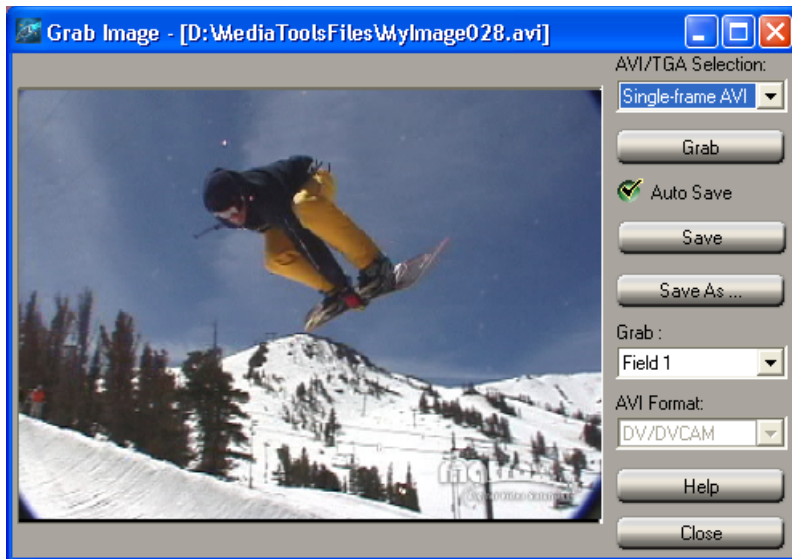


Note If you save your image as an *.avi* file, it will be saved in DV/DVCAM format.



To grab a single-frame image:

- 1 If your source video is on tape or disk, use the transport controls to play back your DV tape, or double-click a captured clip in the clip list to play it back.
- 2 In the **MediaTools** dialog box, click the **Grab Image** button to open the **Grab Image** dialog box. Drag the **Grab Image** dialog box to the side so that it doesn't obscure the **Preview Window**.



- 3 From the **AVI/TGA Selection** list, select **Single-frame AVI** or **TGA** to save your image as an *.avi* or *.tga* file.
- 4 When the frame you want is displayed in the **Preview Window**, click the **Grab** button.
- 5 If you notice flickering in your image, you can choose to grab only one of the fields. From the **Grab** list, select **Field 1** or **Field 2**. One field contains the odd-numbered scan lines in the frame, and the other field contains the even-numbered lines. Select the field that best displays your image. MediaTools interpolates between the two consecutive scan lines to create the missing field.
- 6 Click **Save** or **Save As** to save the image.



Note If you do not specify a file name in the **Save As** text box, or if you select **Auto Save**, MediaTools will assign a default name to the first grabbed image (such as *MyImage01.tga*, *MyImage01.avi*, or a name based on the last name you used) and continue naming images sequentially.

Keyboard shortcuts	
Grab	F5
Auto Save	F6
Save	F7

Exporting your clip list to an Adobe Premiere project

You can export all or selected clips from the clip list directly to a new Adobe Premiere project (.ppj file).

- 1 Select the clips you want to export using **CTRL+click**, or select a range of clips using **SHIFT+click**.
- 2 Right-click the clip list. Choose **Export to Premiere** from the pop-up menu. A message is displayed asking if you want to export all clips in the clip list, or export selected clips. Choose **Export All** to export all clips, or choose **Export Selected** to export only selected clips.
- 3 In the **Save As** dialog box, enter the directory and file name for the project you want to export. Click **Save**.
- 4 Close MediaTools and start Adobe Premiere. You can now open the Adobe Premiere project you created and add Matrox realtime effects.

Keyboard shortcuts

The following tables provide a complete list of keyboard shortcuts available for using MediaTools.

Transport control keyboard shortcuts		
CMX-style		Premiere-style
K	Disk mode	D
L	VTR mode	V
B	Play	L or SPACEBAR
Z	Rewind	R
X	Fast Forward	F
' (apostrophe)	Frame Advance	right arrow or 2
; (semicolon)	Frame Reverse	left arrow or 1
V	Stop	S or K
A	Loop	A
M	Mark In	I
, (comma)	Mark Out	O
SHIFT+Mark In	Cue In	SHIFT+Mark In
SHIFT+Mark Out	Cue Out	SHIFT+Mark Out



Note To select the style of keyboard shortcuts you want to use, click the **Options** button in the **MediaTools** dialog box, then select the option you want under **Transport Control Shortcuts**.

Additional keyboard shortcuts	
CAM mode	C
Delete Clip Only	DELETE
Delete Clip + File	SHIFT+DELETE
Delete File Only	CTRL+DELETE
Grab	F5
Auto Save	F6
Save	F7
Import Clip	CTRL+I
Select All	CTRL+A
Cut	CTRL+X
Copy	CTRL+C
Paste	CTRL+V
New Clip List	CTRL+N
Open Clip List	CTRL+O
Save Clip List	CTRL+S
Export to Premiere	CTRL+E

Your notes