

# Matrox RT.X100 Xtreme

Release Notes

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## About these release notes

These release notes provide a list of new features and other important last-minute information applicable to Matrox X.tools build 4263. This information supplements the *Matrox RT.X100 Xtreme Installation and User Guide* (May 1, 2003).



**Note** To make sure that you have the latest available software (updates and Service Packs) for your Matrox RT.X100 Xtreme system, check the Support section of our web site at:

[www.matrox.com/vidoweb/support](http://www.matrox.com/vidoweb/support)

## What's new in this release of Matrox X.tools?

This release of Matrox X.tools provides a number of updates. Here are the main features:

- **New features in the Matrox realtime plug-in** A number of new features have been added to the Matrox realtime plug-in for Adobe Premiere, including enhanced editing tools and improved preview capabilities.
  - With XtremePreview, you can edit and preview numerous video and graphics layers without having to render.
  - Professional vectorscope/waveform monitors let you examine the video signal components of your clips while making proc amp adjustments and other color corrections.
  - With advanced realtime detection, a red bar now appears over segments of the Timeline where effects are placed too close, indicating that the segments require rendering to avoid having dropped frames in your exported video. As well, when you play back the Timeline, any segments with dropped frames will be identified by a red bar.
  - You can now create realtime effects using up to two video clips and four single-frame graphics clips.
  - The Move & Scale effect (provided as a Matrox Effect add-on) lets you apply up to six 2D DVEs simultaneously in real time. For example, you can use this effect to create a realtime animated title with four single-frame graphics clips, keyed over two picture-in-picture effects on video.
  - The Old Movie effect (provided as a Matrox Effect add-on) lets you create an old film look on your clips by adding scratches, flicker, jitter, and grain.
  - Improvements have been made to the quality of chroma keys on PAL video.
  - Improved cropping controls let you easily apply crop settings to a Matrox effect directly in a cropping window, and you can select **Simple edit** to apply the same crop settings for the duration of your clip.

- You can now preview your realtime effects by toggling between tracks in the **Matrox Effect Setup** dialog box, and use **Solo Mode** to preview only the source for the effect that you're editing.
- You can now preview audio when you play or scrub in the **Matrox Effect Setup** dialog box, and **ALT+drag** the Positioner to render-scrub your effect (same as when you render-scrub on the Timeline). Video is displayed on your computer monitor as well as your NTSC or PAL video monitor.
- You can select a different default effect for each effect category (advanced DVEs, page curls, etc.).
- You can undo and redo most changes you make to the settings of an effect.



**Note** When you apply a Matrox video effect to a clip, the **Matrox Effect Setup** dialog box no longer automatically opens. Instead, you must click **Setup** beside your effect in the **Effect Controls** palette.

- **Improved speed control** Matrox X.tools now provides two methods of processing realtime speed changes in your Adobe Premiere projects (blended-field or repeat-field). Depending on whether your project is slow-paced video or fast-action video, you can choose the type of speed control that's best suited for your video project.
- **Single-frame export to file** You can now choose to export a single frame of video from your Premiere Timeline to a Matrox DV/DVCAM *.avi* file.
- **Matrox MediaTools improvements** With Matrox MediaTools, you can now capture live video from your DV-1394 device. For example, you can use a copy stand and grab single-frame images from your live video. You can also easily select the type of file you want to create (*.avi* or *.tga*) when you grab single-frame images.
- **Interleaved audio/video file support** Matrox X.tools now creates *.avi* files with interleaved audio and video, instead of separate *.avi* files for video and *.wav* files for audio. You can, however, still use clips created with earlier versions of Matrox X.tools.
- **New analog audio input selections** Matrox X.tools now provides additional audio input selections for sound cards that do not have matching audio inputs and outputs, such as the SoundBlaster Audigy 2.
- **WYSIWYG DirectShow support** The WYSIWYG DirectShow Control Panel lets you display video from Microsoft DirectShow-compliant applications such as DVDit! SE or Windows MediaPlayer on your NTSC or PAL video monitor. This gives you a WYSIWYG (What You See Is What You Get) video display for checking how your clips appear on a TV or other interlaced monitor. You can also record your clips onto analog tape as they play back on your video monitor.

**What's new in this release of Matrox X.tools?**

- **Matrox VFW capture driver** The Matrox VFW capture driver allows you to use your Matrox RT.X100 Xtreme hardware with your Video for Windows program to capture analog video using capture programs other than Adobe Premiere, such as Sonic Foundry's Vegas Video. You can also use the Matrox VFW capture driver with many messenger and video conferencing programs (such as Microsoft NetMeeting) to send streaming video over the internet or your corporate intranet.
- **Sonic ReelDVD Studio and DVDIt! SE** Matrox RT.X100 Xtreme now comes bundled with two DVD authoring programs: ReelDVD Studio for professional DVD authoring and DVDIt! SE for simple DVD projects.
- **Additional installation options** You can switch your video standard without re-installing Matrox X.tools. You can also choose to install the Matrox Effect add-ons during your Matrox X.tools installation, and uninstall any Matrox Effect add-ons from the **Start** menu. As well, more Matrox Effect add-ons can be installed that were previously available only on [fxzone.matrox.com](http://fxzone.matrox.com).



**Note** The sphere and cube effects are now installed with Matrox X.tools as standard realtime Matrox effects (previously available only as Matrox Effect add-ons).

- **New and improved HTML Help** Matrox X.tools has new and improved online Help, based on Microsoft's HTML Help format. To properly view the online Help, you must have Microsoft Internet Explorer 4.0 or later (5.0 or later is recommended).

## Installing Matrox X.tools

To install this release of Matrox X.tools, you must first uninstall any previous release of Matrox X.tools software by choosing **Start > Programs > Matrox X.tools > Uninstall**. Uninstalling Matrox X.tools removes the Matrox realtime plug-in for Adobe Premiere, as well as Matrox MediaExport and Matrox MediaTools. You must **also** uninstall any Matrox Effect add-ons, including any new categories of effects downloaded from [fxzone.matrox.com](http://fxzone.matrox.com). To do this, use **Add/Remove Programs** in Windows Control Panel.

## Installing ReelDVD Studio

To install ReelDVD Studio, you must install Service Pack 1 for Windows XP (Home or Professional), or Service Pack 3 (or later) for Windows 2000 Professional. If your Windows CD does not contain the appropriate service pack, you can obtain the software from the Microsoft web site at [www.microsoft.com](http://www.microsoft.com). If you already have Windows installed, you can check which service pack is installed by right-clicking **My Computer**, then choosing **Properties > General**.

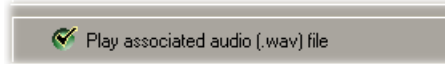
To activate ReelDVD Studio, you must click **Register** the first time you start ReelDVD Studio. If there is a problem connecting to the Sonic web site for the online registration, you'll be prompted to manually activate your ReelDVD software. For details on installing ReelDVD Studio and activating your software, see your *ReelDVD User Guide* and *ReelDVD Release Notes*. (Ref# 29123 & 29012)

## Using the Windows Media version 9 video codec with MediaExport

Although MediaExport supports the Windows Media version 9 video codec, all of the Windows Media standard encoding profiles use the Windows Media version 8 video codec. To use the version 9 video codec to encode your video, you can customize a standard encoding profile by selecting the version 9 video codec from the **Codec Options** drop-down list. For more information, see “Modifying standard profile settings to create a customized profile” in the “Using Matrox MediaExport” chapter of your *Matrox RT.X100 Xtreme Installation and User Guide*.

## Changes to the WYSIWYG DirectShow Control Panel

The WYSIWYG DirectShow Control Panel includes an option to let you mute the associated audio (.wav) file. By default, playback of the associated audio (.wav) file is enabled.



Some DirectShow programs, such as DVDIt! SE, automatically play back associated audio files for video clips. Therefore, if you hear an echo when playing back video on your NTSC or PAL video monitor, you should disable playback of the associated audio file by clearing **Play associated audio (.wav) file**, and restart your DirectShow application for the change to take effect. For details on how to configure the WYSIWYG DirectShow Control Panel, see the chapter “Using the WYSIWYG DirectShow Control Panel” in your *Matrox RT.X100 Xtreme Installation and User Guide*.

## A note about DVD capacities

When choosing a data rate to create MPEG files for DVD authoring, make sure that you take into account the actual storage capacity of your DVD disk. This is because of a difference in terminology used by DVD manufacturers and accepted computer conventions. For example, commercially available 4.7 G (4.7 billion bytes) blank DVD disks have an actual storage capacity of 4.38 GB.

## Last-minute operational limitations

The following operational limitations are in addition to those listed in the Matrox RT.X Readme for Matrox X.tools (choose **Start > Programs > Matrox X.tools > Readme**):

### Adobe Premiere and the Matrox realtime plug-in

- If you perform two consecutive Stop Motion captures on a dual-processor system in Adobe Premiere, you may experience instability issues. (Ref# 28055)
- Your video may appear jittery when playing back a segment containing more than four single-frame graphics clips from the Premiere Timeline. (Ref# 28626)
- If you import non-full screen resolution graphics to use in your Premiere project, they may appear cropped on the Timeline. As a workaround, clear the **Maintain Aspect Ratio** option (**Clip > Video Options > Maintain Aspect Ratio**), save your project and close Premiere. When you restart Premiere, and re-open your project, the graphics will now display correctly. (Ref# 28998)
- If you use the Range Select Tool to shift or move the original clip used to create a virtual clip in Premiere, the Timeline may not refresh properly. (Ref# 29019)
- If you export video to an *.m2v* file using **Matrox Realtime Export to Disk**, you may see a black line at the top of your video when you play back the file. As a workaround, import the *.m2v* file to the Premiere Timeline, then export it again. You can also use Matrox MediaExport to create *.m2v* files because MediaExport uses the Ligos MPEG codec (which is not affected by this problem). MediaExport, however, can't export your video in real time. (Ref# 28815)
- If you're using a Matrox P650, P750, or Parhelia display card, your video may not display correctly in the **Monitor** window when you choose **File > Export Timeline > Print to Video** in Adobe Premiere, or when you select the **Full Screen** or **Zoom by 2** option in Premiere's **Print to Video** dialog box. As a workaround, right-click your **Matrox PowerDesk HF** icon on your desktop, choose **Video Playback Settings**, and clear **Use video overlay**. (Ref# 29186 & 29184)
- If you trim a project containing interleaved or non-interleaved *.avi* files in Adobe Premiere (**Project > Utilities > Project Trimmer**), you may lose the audio portion of your project. (Ref# 29241)

### DV-1394 devices with Adobe Premiere

- Your DV tapes must contain continuous and consecutive time code. If you have to use a tape that hasn't been striped to record video, however, continue

recording for a few seconds after the material you want, then rewind the tape, and begin recording again over the material you don't want to ensure that there are no gaps between recorded material. You can also use the edit-search function on your DV-1394 device. (Ref# 29026)

- If your video drive is nearly full (less than 500 MB), you may not receive an error message during DV-1394 captures in Premiere. To avoid this problem, make sure you have adequate space on your video drive before starting a capture. (Ref# 29108)
- If you choose to capture the 2nd audio stream when performing a **1394 Audio Capture** in Premiere (**Project > Project Settings > Capture > A/V Inputs**), the resulting .wav file may be one frame longer or shorter than your original clip. (Ref# 29171)
- If you capture 32 kHz, 12-bits/sample audio from a DV-1394 device, the audio may sound distorted during capture, and the resulting file may be audibly distorted. For best performance, use only 48 kHz, 16-bits/sample audio in your projects. A fix for this limitation will soon be available in the Support section of our website at [www.matrox.com/videweb/support](http://www.matrox.com/videweb/support). (Ref# 29233)

### **DVDit! SE and other DVD authoring programs**

- To avoid problems importing .avi files into DVDit! SE, you must install Service Pack 1 for Windows XP, or Service Pack 3 for Windows 2000. (Ref# 29034)
- If you want to import .m2v files into DVDit! SE on a Windows 2000 operating system, you may have to disable the Matrox WYSIWYG DirectShow Control Panel. For details, see the "Using the WYSIWYG DirectShow Control Panel" chapter of your *Matrox RT.X100 Xtreme Installation and User Guide*. (Ref# 29093)

### **Installation and general operation**

- If you use Symantec's Norton Utilities on your Matrox RT.X100 Xtreme system, you may experience errors starting the RT.X menu. (Ref# 28988)
- If you receive an *IKernel.exe* application error message when installing or uninstalling Matrox X.tools, download the fix available in the Support Knowledgebase (*document ID Q108020*) on the InstallShield web site at <http://support.installshield.com/kb/> (Ref# 29080)

### **Matrox MediaTools**

- To avoid problems with MediaTools, do not press any of the buttons on your DV-1394 device during a scan and capture. (Ref# 28472)
- On certain DV-1394 devices, you may experience audio sync problems when capturing live video in MediaTools. As a workaround, leave a tape in the

cassette compartment of your DV-1394 device when capturing live video. (Ref# 29150)

### **Matrox WYSIWYG DirectShow Control Panel**

- There may be operational limitations when using the WYSIWYG DirectShow Control Panel with certain DirectShow programs. By default, the Matrox WYSIWYG DirectShow output to your NTSC or PAL monitor is enabled. Some DirectShow applications, however, may not display the video properly. If this happens, you can disable the display on your video monitor by clicking the **Disable** button. For details, see the “Using the WYSIWYG DirectShow Control Panel” chapter of your *Matrox RT.X100 Xtreme Installation and User Guide*. For more information on supported programs and video formats, and a list of programs and video formats we’ve found to be unsuitable for use with the WYSIWYG DirectShow Control Panel, see the Frequently asked questions (FAQs) in the RT.X Support section of our web site at [www.matrox.com/videoweb/support](http://www.matrox.com/videoweb/support).
- On a Windows 2000 system, you may lose video or audio if you cue multiple *.avi* files to play back in Windows MediaPlayer. (Ref# 29072)

## Your notes





***[www.matrox.com/video](http://www.matrox.com/video)***