

# Matrox RT.X100

Release Notes

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**Matrox Electronic Systems Ltd.**

**1055 St. Regis Blvd., Dorval, Quebec, Canada H9P 2T4**

**Tel: (514) 685-2630 Fax: (514) 685-2853 World Wide Web: [www.matrox.com](http://www.matrox.com)**

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Your notes

## About these release notes

These release notes provide a list of new features and other important last-minute information applicable to Matrox X.tools ML (multi-language) with Service Pack 1 (CD version). This information supplements the *Matrox RT.X100 Installation and User Guide* (July 8, 2002).



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

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

## What's new in Service Pack 1 for Matrox X.tools?

Service Pack 1 for Matrox X.tools includes fixes provided with the Matrox X.tools ML (multi-language) version, and many other fixes and updates to improve the overall stability of your RT.X100 system.

- Improvements have been made so that scrubbing on the Adobe Premiere Timeline and rendering non-realtime segments containing more than two layers of graphics is faster. (Ref# 27626 & 27596)
- After uninstalling and re-installing Matrox X.tools, the Matrox Effect add-ons do not have to be uninstalled and re-installed. (Ref# 27631)
- New seek methods have been added to improve the performance of certain DV-1394 devices when using **Matrox DV-1394 Device Control**. For more information, see ["Improving the performance of certain DV-1394 devices"](#) on page 4. (Ref# 27391 & 27285)
- Matrox MediaExport now supports RealNetworks RealMedia version 9.0, and you can export multiple streams using the Ligos encoders. (Ref# 27157)
- The encoding speed using Matrox MediaExport has been improved. (Ref# 27154)
- You can now install the Ligos LSX-MPEG 2.0 plug-in for Adobe Premiere without conflicting with Matrox MediaExport. (Ref# 27155)
- If you move projects containing custom Matrox effects between computers, the custom effects will now be properly recognized when you edit the projects on the destination computer. (Ref# 27588)
- When using a Matrox Parhelia display card, you can now adjust the video playback settings (such as gamma correction and proc amp controls) of live video windows. If you use TripleHead mode and want to adjust your video playback settings, you'll have to keep your live video windows on your primary monitor. If you want your live video windows to be available on all three monitors, clear **Use video overlay** in the **Video Playback Settings**

dialog box (right-click your **Matrox PowerDesk HF** icon on your desktop and choose **Video Playback Settings**). If you clear this option, you won't be able to adjust your video playback settings. (Ref# 27744)

- Numerous improvements have been made so that if you have the **Always Output to 1394** option selected, Adobe Premiere is less likely to generate an error message. For more information, see [“A note about using the Always Output to 1394 option”](#) on page 5. (Ref# 27615, 27481, 27766, 27789, & 27784)



**Note** For other fixes provided in this release, see [“Additional fixes in Service Pack 1 for Matrox X.tools”](#) on page 5.

## What's new in Matrox X.tools ML (multi-language)?

This version of Matrox X.tools provides a number of updates and fixes for your RT.X100 system:

- You can now choose to run the install programs for Matrox X.tools and other Matrox software from the RT.X menu in any of the following languages:
  - English
  - French
  - German
  - Italian
  - Japanese
  - Spanish

From the RT.X menu, click **Select a different language**, then select the language you want from the list.



**Note** All the Matrox RT.X100 dialog boxes and Help files will be displayed in English (if you install X.tools in English, French, German, Italian, or Spanish), or Japanese (if you install X.tools in Japanese). The Matrox Effect add-ons and corresponding Help files are available in English only.

- Many more Matrox Effect add-ons are now available on your Matrox RT.X installation CD. When you choose to install these add-ons from the Matrox RT.X menu, you'll be able to select which effects you want, such as ripples, mesh warps, and lens flares. Registered users of Matrox video products can also download new effects from [fxzone.matrox.com](http://fxzone.matrox.com) and exchange their own effects with other users.
- Performing a non-realtime export to DV tape of a Timeline that includes realtime transitions, no longer results in your export not completing successfully (that is, black frames exporting with a loss of audio).

## What's new in Matrox X.tools ML (multi-language)?

- When you select a DV-1394 device preset for exporting to tape in Adobe Premiere (choose **File > Export Timeline > Export to Tape > Options**), you'll no longer receive a message warning you that the file can't be found.
- When upgrading from an RT2000 or RT2500 to an RT.X100, your DV-1394 device is now recognized properly.

## Installing Matrox X.tools under Windows 2000

To install Matrox X.tools under Windows 2000, you **must** have Windows 2000 with Service Pack 2 or later. If your Windows 2000 CD does not contain "with Service Pack 2" in its title, you can obtain Service Pack 2 from the Microsoft web site at [www.microsoft.com](http://www.microsoft.com). If you already have Windows 2000 installed, you can check if Service Pack 2 is installed by right-clicking **My Computer**, then choosing **Properties > General**. (Ref# 27234)

## A note about screen shots in the RT.X100 manual

Sample screen shots of dialog boxes in your RT.X100 manual were taken on an NTSC system with Windows XP installed. If you have a different system configuration (such as a PAL system), your settings may not match those of the screen shots.

## Update your version of Adobe Premiere if needed

Depending on when your Matrox RT.X100 kit was shipped, your kit will include Adobe Premiere version 6.5 or 6.0. If you received Adobe Premiere version 6.0, you should update to version 6.01 before installing Matrox X.tools. To do so, insert your Matrox RT.X installation CD in your CD-ROM drive. Windows automatically starts the Matrox RT.X menu. From the Matrox RT.X menu, choose **Install Premiere 6.01 updater**. You can later update from Premiere version 6.01 to 6.5. If your kit includes Adobe Premiere 6.5, you don't need to update your version of Adobe Premiere.



**Note** Information regarding the Adobe Premiere upgrade offer for Japanese customers is available at [www.matrox.com/video/jp/products/ap65upgrade](http://www.matrox.com/video/jp/products/ap65upgrade).

## Using a Matrox Parhelia card with RT.X100

Early versions of the display driver released for the Matrox Parhelia card (version 1.00.01.226 and earlier) are **not** supported for use with Matrox RT.X100. To use a Matrox Parhelia card with your Matrox RT.X100 system, you must download and install a new version of the Parhelia display driver. For details, see the

“RT.X100-tested AGP display cards” page in the “RT.X100 System recommendations” section of our Customer Support web site at:

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

When using a Matrox Parhelia display card with your RT.X100 system, configure your display with a maximum of 16.8 million colors. To verify your display settings, right-click your **Matrox PowerDesk HF** icon on your desktop and choose **Quality and Performance Settings**. In the **Quality and Performance Settings** dialog box, choose **Desktop Settings**. Under **Maximum number of simultaneous colors**, make sure that **16.8 million** is selected. (Ref# 27918)



**Note** When working in Adobe Premiere, do **not** connect your video monitor to the output of the Parhelia card. (Ref# 27782)

## Keep a record of your serial numbers

Take care not to discard the serial numbers provided with your bundled software. You usually need these numbers when you install the software, and also when requesting software upgrades. It's a good idea to write down all your serial numbers and keep them in a safe place so that you can easily refer to them when needed.

## Using virtual clips to apply RT.X100 effects

As explained in the “RT.X100 realtime rules” section of your *RT.X100 Installation and User Guide*, the order in which you apply your RT.X100 effects is important in maintaining the realtime status.

If you want to use Premiere's virtual clip feature to combine RT.X100 effects, you must respect the following priority sequence when applying the effects:

- 1 Color correction effect(s).
- 2 Chroma key or luma key.
- 3 Matrox hardware-accelerated effect (such as a page curl, advanced DVE, or Premiere realtime transition).

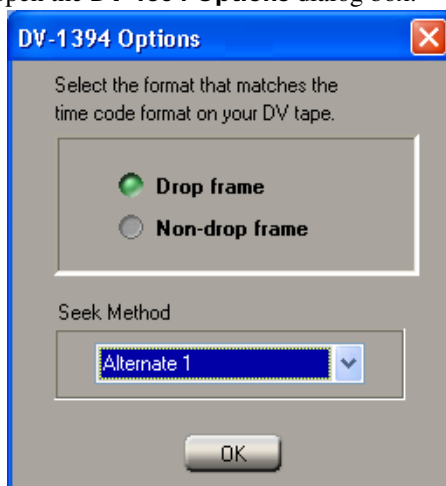
For example, if your virtual clip includes a chroma key effect, you can then apply a Matrox page curl effect, and play the clip back in real time. If, however, you apply a chroma key effect to a virtual clip that includes a page curl effect, you'll have to render the clip to play it back. For information on creating virtual clips, see your *Adobe Premiere User Guide*.

## A note about using the Always Output to 1394 option

If you are having problems playing back a complex project from the Adobe Premiere Timeline with the **Always Output to 1394** option selected, turn your DV-1394 device off and then back on to allow Windows Plug and Play to re-detect your device and install the DV device driver. If you experience this problem repeatedly, clear **Always Output to 1394** in the **Matrox Advanced Settings** dialog box.

## Improving the performance of certain DV-1394 devices

If you're having trouble controlling your device (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 now select an alternate seek method in Adobe Premiere by choosing **Edit > Preferences > Scratch Disks and Device Control**. Under **Device Control**, select **Matrox DV-1394 Device Control**. Click **Options** to open the **DV-1394 Options** dialog box.



Under **Seek Method**, select an alternate method from the list. Click **OK**. You can experiment with different seek methods until you find the one that works best with your DV-1394 device. 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 Customer Support section of our web site.



**Note** These new seek methods are also available in the Matrox MediaTools **Options** dialog box.

## Additional fixes in Service Pack 1 for Matrox X.tools

The following sections list fixes in addition to those explained in [“What’s new in Service Pack 1 for Matrox X.tools?”](#) on page 1.

### Fixes to the Matrox realtime plug-in for Adobe Premiere

- When you export both audio and video *.m2v* clips using the **Matrox Realtime Export to Disk** feature, the audio and video files are now the same duration. When you perform an *.m2v* batch capture, however, you may notice that the audio (*.wav*) file is slightly longer than the video file. (Ref# 27648 & 27722)
- *.avi* files captured on a Matrox RT2500 or RT2000 system using the Matrox Infinite Capture feature can now be used in your Adobe Premiere projects on your RT.X system. (Ref# 27416)
- You can now render a non-realtime Timeline containing multiple non-realtime segments without the render stopping prematurely. (Ref# 27624)
- After creating a luma key effect, you can now edit the keyframes when **Simple edit** is not selected. (Ref# 27602)
- The intermittent problem of exception errors occurring when editing and scrubbing on the Premiere Timeline has been fixed. (Ref# 27630)
- Cropping a page curl or advanced DVE effect no longer results in unwanted lines in your clip. (Ref# 27496 & 27595)
- You can now **Alt+Scrub** multiple layers of clips with PiP effects applied to them without encountering any problems. (Ref# 27579)
- After stopping the playback of your Timeline, the edit line no longer advances several frames ahead. (Ref# 27473)
- If you press **Esc** while performing a DV-1394 Stop Motion capture in Premiere, you can now access the Playback window without receiving an error message. (Ref# 27454)
- You can now trim the beginning portion of a clip on the Timeline, and then export the clip successfully using the **Matrox Realtime Export to Disk** feature. (Ref# 27452)
- Improvements have been made so that you will no longer receive error messages when rendering non-realtime portions of complex projects. (Ref# 27504 & 27253)
- You can now press **Esc** during an export to tape without corrupting the clips on your Timeline. (Ref# 27444)

- You can now export clips from the Timeline directly after capturing the clips using a DV-1394 Movie Capture. (Ref# 27440)
- You can now change the speed of clips on the Timeline, then **Alt+Scrub** the clips without receiving error messages. (Ref# 27436)
- On a PAL RT.X100 system, you can now play back a combination of clips with luma key and color correction effects and speed changes without generating an error message. (Ref# 27411)
- You can now preview a clip with a chroma or luma key applied to a color correction effect in the **Preview Window**. (Ref# 27290)
- You can now scrub projects created with clips captured using Adobe Premiere's DV device control without encountering any problems. (Ref# 27404)
- You will no longer receive an error message while performing an *.m2v* capture with an analog input. (Ref# 27400)
- The **Source** view (with the **Monitor** window in **Dual** view) now refreshes properly, if you switch to **Trim mode**, select a 5 panel view, then switch back to **Dual** view. (Ref# 27376)
- The **Source** and **Program** views (with the **Monitor** window in **Dual** view) no longer display the same clip if you resize the **Monitor** window, or change the speed of the clip in the **Source** window to less than 100%. (Ref# 27336 & 27374)
- You can now export a single clip in real time from the Premiere Timeline using **File > Export Clip > Matrox Realtime Export to Disk**. To export more than one clip, choose **File > Export Timeline > Matrox Realtime Export to Disk**. (Ref# 27337 & 27352)
- Display problems after disabling video preview during multiple exports to tape have been fixed. (Ref# 27312)
- You can now select **Reverse** on the **Basic DVEs** page, and preview your effect correctly in the **Preview Window**. (Ref# 27284)
- On the **Codec (Rendering)** page of the **Matrox Advanced Settings** dialog box, the option for **Chroma sampling for fast-motion video** has been disabled when you're using an NTSC system because it is applicable only to DV/DVCAM PAL video. (Ref# 27274)
- There is no longer a problem with system freezes when previewing a clip in the **Preview Window** on the **Transform** page of the **3D tiles** effect. (Ref# 27342 & 27250)
- You can now export only the work area during a web export or Matrox Realtime Export to Disk without corrupting the progress bar. When performing the export, however, it may appear as if the edit line starts the export from the beginning of the Timeline instead of from the beginning of

the work area, but this has no effect on the export itself. (Ref# 27236 & 27717)

- Improvements have been made so that you no longer hear intermittent audio clicks during playback of clips on the Timeline. (Ref# 27761)
- When performing an analog capture in Premiere, your analog audio source is now detected correctly if you have a voice modem installed in your computer. (Ref# 27902)
- A single-frame graphics clip with a Matrox basic DVE effect applied to it no longer plays back with artifacts. (Ref# 27843)
- The problem of Premiere freezing when a Matrox particle effect is added to certain single-frame graphics clips (such as a .tga clip) has been fixed. (Ref# 27755)

## Fixes to using DV-1394 devices with Adobe Premiere

- Audio stuttering problems when controlling your DV-1394 device using Matrox DV-1394 device control have been resolved. (Ref# 26377)
- You will not be prompted to select a DV-1394 device if you press **Esc** to cancel a batch capture in Premiere while your DV-1394 device is seeking to an In point. (Ref# 27335)
- You can now press **Esc** when you reach the end of your DV tape during a DV-1394 capture without generating errors. (Ref# 27425)
- You will not receive an error message if you export to DV tape using an In point of 00:00:00:00. Instead, your In point will automatically be set to 6 seconds. (Ref# 27439)
- You can now successfully perform a **Stop Motion** capture with a DV-1394 input. (Ref# 27324)
- The cursor is no longer missing in the time code fields when you open the **Matrox DV Export to Tape** dialog box a second time. (Ref# 27291)
- There is no longer a problem with short audio mutes when exporting clips to DV tape. (Ref# 27810)

## Fixes to Matrox MediaExport

- When exporting clips to an MPEG video format using Matrox MediaExport, MediaExport now automatically sets the aspect ratio of your resulting MPEG video file according to the editing aspect ratio you've selected for your Adobe Premiere project (by choosing **Project > Project Settings > General**). Please note that VCD-compliant video does not support the 16:9 aspect ratio. (Ref# 27167)

- Video clips with speed changes (slow motion) can now be exported using MediaExport. (Ref# 27213)
- There are no longer any audio/video synchronization problems with MPEG video files created using Matrox MediaExport. (Ref# 27677)

## Improved stability when using Windows 2000

- Stability issues when performing long captures, scan and captures, and batch captures in Matrox MediaTools or Adobe Premiere on dual-processor systems under Windows 2000 have been resolved. (Ref# 27142 & 27150 & 27173)
- Stability issues when performing an export to tape on a dual-processor system under Windows 2000 have been resolved. (Ref# 27152)

## 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**):

- On a Windows 2000 system, with certain DV-1394 devices, such as the Canon GL1 and Canon XL1, you may get an operation error if you add clips to the clip list using the **Add To List** command in MediaTools. (Ref# 26785)
- If you have a project on the Timeline that contains both video and audio files, do not **Shift+Scrub** in the Navigator palette, or Adobe Premiere may become unstable. You can still perform an audio scrub on the Timeline and in the **Monitor** window.
- When you animate a clip by applying Premiere's Motion Settings, you may notice that the clip is slightly skewed when played back from the Timeline. As a workaround, you can use a Matrox advanced DVE effect to apply motion to a clip. (Ref# 27492)
- When using a multi-layered Photoshop *.psd* file to import separate layers to your Premiere Timeline, you'll notice that since all the layers have the same file name, only one of the layers is displayed. As a workaround, you can create a separate *.psd* file for each layer, then import the files into Premiere. (Ref# 27482)
- Importing *.jpg* files that were created with a digital camera into Adobe Premiere may cause Premiere to stop responding. As a workaround, you can open the *.jpg* files in Adobe Photoshop, rename and save the files, then import them into Premiere. (Ref# 27545)
- If you place a *.jpg* after an Adobe Premiere title on the Timeline, the *.jpg* will not display correctly. (Ref# 27735)

- If you assign the same output file name to more than one RealMedia or Windows Media file in the same MediaExport encoding session, Premiere will give you a **Disk Full** error message when you try to encode the files. (Ref# 27746)
- If you assign the same output file name to more than one of your Ligos MPEG-1 or MPEG-2 files in the same MediaExport encoding session, the clips may not be exported successfully. (Ref# 27785)
- MediaExport does not support exporting *.icg* clips from the Premiere Timeline. As a workaround, use TitleExpress to export your title to a *.tga* file instead of saving it directly to Premiere as an *.icg* file. You can then add your *.tga* clip to the Timeline and use MediaExport to export it to your desired format. (Ref# 27993)
- Although Adobe Premiere 6.5 supports *.m2v* files, these files are not supported in your Adobe Premiere projects on Matrox RT.X100. If you import an *.m2v* file to your project, it will appear as a still image with the text **MPEG-2 IBP!**. This will happen regardless of your project's editing mode (that is, when the editing mode is set to **Matrox RT.X** or any other mode). (Ref# 27507)
- In order to properly use your exported Matrox *.m2v* clips in your Ulead DVD Workshop projects, you must use the DVD Workshop 1.3 update patch, available on the Ulead web site at [www.ulead.com](http://www.ulead.com). (Ref# 27992)
- Some DVD authoring programs (such as Sonic Solutions DVDIt! LE and Ulead DVD Workshop), do not support moving or resizing their live video window. If you are using a Matrox Parhelia display card in TripleHead mode, in order to correctly display video in your DVD authoring program's live video window, clear **Use video overlay** in the **Video Playback Settings** dialog box (right-click your **Matrox PowerDesk HF** icon on your desktop and choose **Video Playback Settings**). When you clear this option, however, you won't be able to adjust your video playback settings. (Ref# 27975 & 28006)





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