### **DV-Wizard Pro Quick Installation Guide**

Note: The Nero manual is available on the Nero Installation CD-ROM under: \Nero\Manual\Eng, Deu, Fra, Ita or Jpn in a PDF or DOC file format.

The MediaStudio SE manual can be found on the MediaStudio Pro SE Installation CD-

\manual\ English, French, German, Italian, Spanish, Chinese or Japanese in a pdf format.

The MediaStudio tutorial is available on the MediaStudio CD-ROM under: \tutorial\ English and Japanese in an exe format.

#### **Contents of the DV-Wizard Pro package**

**DV-Wizard Pro** board

6 pin to 4pin FireWire cable for connection between the DV-Wizard Pro Board and your DV camcorder

**DV-Wizard Pro Installation CD's** include:

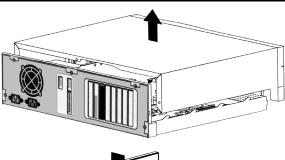
**Ulead MediaStudio Pro SE** Installation CD-ROM for Video

Ulead MediaStudio Pro SE Content CD-ROM with video clips and still images

Ahead Nero Installation CD-ROM for CD Authoring

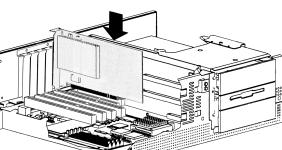


### Step 1: Install the DV-Wizard Pro board



To install, switch off the computer. Remove the computer cover.

The manufacturer of your PC supplies instructions on removing the PC



Locate a free PCI slot (a short white slot).

Unscrew and remove the metal cover plate which covers the back of the empty slot.

Plug the **DV-Wizard-PRO** board into the PCI slot, and screw the DV-Wizard's metal cover plate to the

Replace the computer cover.

Step 2: Connecting your Digital Video (DV) camcorder





Plug one end of the supplied Firewire cable into any of the DV-Wizard Pro connector. The other end of this cable should be plugged into your **DV camcorder**.

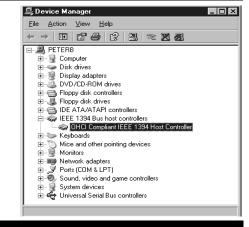
Turn on your camcorder and set it to Play mode (or VTR mode). See your camcorder's manual for specific instructions.

#### Step 3: Install the DV-Wizard Pro driver for Windows XP

When re-starting Windows for the first time after the DV-Wizard Pro board has been installed, Windows XP will find the board and automatically install the drivers.

When the drivers finish installing the DV-Wizard Pro board will be listed in Device Manager as OHCI Compliant IEEE 1394 **Host Controller** 

Continue to Step 5:



### Step 4: Install the DV-Wizard Pro driver for 98se & Me



**4a.** When re-starting Windows for the first time after the DV-Wizard Pro board has been installed, the Add New Hardware Wizard will appear. Click Next.



4c. It will show the DV-Wizard Pro as PCI OHCI Compliant IEEE 1394 Host Controller. Click Next.



4b. Select Display a list of all the drivers in a specific location. Then click Next.



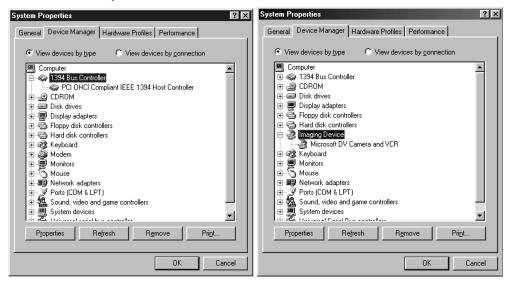
**4d.** The computer is ready to install the driver for the device. Click Next.

Have your Windows Installation CD on hand, you may be prompted for it.

4e. Click Finish and the DV-Wizard Pro driver is installed!



If the installation is correct, you will see the driver appear in the Windows Device Manager To see the Device Manager, click Start / Settings / ControlPanel and double click on System. Then click on the Device Manager tab. Under the 1394 Bus Controller you will see the PCI OHCI Compliant IEEE 1394 Host Controller:



Under Imaging device, you should see Microsoft DV Camera and VCR listed. If you don't see it, and find the 1394 DV camcorder listed under Sound, Video and Game controller, please refer to troubleshooting section to change it to Microsoft DV camera & VCR.

## **Step 5: Installing Ulead MediaStudio-Pro SE for video** editing and Nero Burning ROM software for Video CD

Insert the U-Lead MediaStudio-Pro SE Installation CD-ROM into the CD-ROM drive and follow the on screen instructions.

For the Windows 98 SE user, please install the Microsoft Windows 98 SE **Digital Video Update** from the DV patch folder of U-Lead MediaStudio-Pro SE installation CD-ROM.





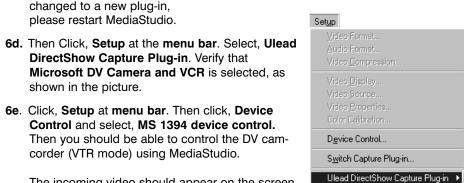
Insert the Ahead Nero Burning Installation CD-ROM installation CD-ROM into the CD-ROM drive and follow the on screen instruc-

When you are asked for the product serial number, use the Nero Serial number found on its CD sleeve.

MediaStudio has a tutorial on the CD that covers its basic use. Manuals of MediaStudio and Nero can be found in their respective folders.

### **Step 6: Setting up for Video Editing**

- 6a. To run Ulead MediaStudio-Pro SE Video Capture module, Click Start, Programs, Ulead MediaStudio, Video Capture
- 6b. Click View at the menu bar and select Preview.
- **6c.** Then Click **Setup** at the **menu** bar and select Switch Capture Plug-in and select the appropriate **DV Capture** Plug-in: Ulead DirectShow Capture Plug-in. If you have changed to a new plug-in, please restart MediaStudio.



Microsoft DV Camera and VCB

Hauppauge PVR Capture (PCI),

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**DirectShow Capture Plug-in.** Verify that Microsoft DV Camera and VCR is selected, as shown in the picture. 6e. Click, Setup at menu bar. Then click, Device

Control and select. MS 1394 device control.

corder (VTR mode) using MediaStudio.

The incoming video should appear on the screen ready for Digital Video Production!

Click on 'REC' button to begin capturing of video and audio.

Note: Camcorders have two modes of operation: VTR or Camera mode. Most camcorders in camera mode have an automatic power off feature. If camera mode affects smooth operation of DV-Wizard Pro, set the camcorder to VTR mode.

### Creating Video CD's for playback on home DVD players

The format used on Video CD's (VCD) is MPEG1, which can be created by the DV-Wizard-PRO and can play on most home DVD players.

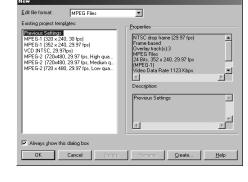
■ote: We have found that most home DVD players can play Video CD's created with CD-RW media. Some DVD players, though, can only read CD-R media. If ■ **W** you are not able to have your DVD player read a CD-RW made using these steps, we suggest trying a CD-R media.

A complete list of tested compatible DVD players can be found on our web site at: http://www.hauppauge.com/dvdplayers

### **Step 1: Create a Video CD Project**

Run MediaStudio Video Editor.

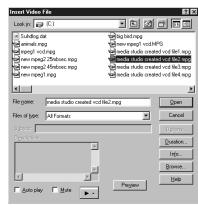
Click File, and then click New. On Edit file format: select MPEG files. select VCD (NTSC,29.97fps) for the project template



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#### Step 2: Insert your DV videos

Capture or insert a Video Clip. To insert a video clip which has previously been captured, click on **Insert**, **Video File**. Then highlight the file you want to insert and click **Open**.



#### Step 3: Create a Video CD file

To make the MPEG file for Video CD, click File, Create Video file. Select MPEG file (\*.mpg) from the save as type list. Then click the options button and select the Compression Tab. Make sure VCD NTSC (North America and Japan) or VCD PAL (Europe and other parts of Asia) is selected and click Ok. Enter a File name for your production and click Save to make your movie.

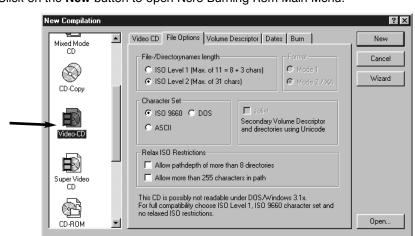
It will take approximately 4 times (the exact amount of time will vary based on your CPU speed) your video movie length to make the Video CD movie. For example, a 10 minute movie will take approximately 40 minutes to complete this step.



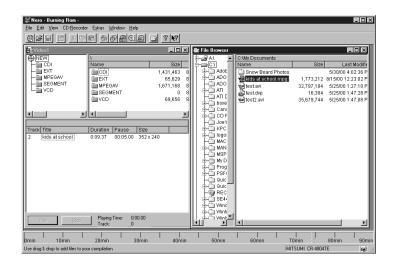
#### Step 4: Burn the Video CD to CD-ROM

Run Nero - Burning ROM software.

- a) Click on Start / Programs / Nero Burning Rom
- b) In the **New Compilation** box, click on **Video-CD**. If you want to name your Video CD, select the **Volume Descriptor** tab and enter a name under **Volume Label**.
- c) Click on the **New** button to open Nero Burning Rom Main Menu:



Locate the **Video CD file** created in the **Create a Video CD** section above. MediaStudio uses the directory where you located the original video files as the default. In the example shown here, the directory used is **My Documents**, and the Video CD file is called **kids at school**. **Drag** and **drop** the selected file into the **Track/Title** window.



d) Click on File / WriteCD. Then click Write. Insert a blank CD-RW disk. It takes about 12 minutes to write a Video CD disk with a 4X CD-RW writer.

ote: Hauppauge recommends using CD-RW media to create Video CD's for DVD playback. Most DVD players can use CD-RW media, while some can use either CD-RW or CD-R media. If you insert one of the created Video CD's and the DVD player does not turn on the Video CD light or display Video CD on your TV screen, then try creating a Video CD using a CD-R media.

#### **Troubleshooting Guide**

#### Problem: Scrambled picture with JVC or Cannon camera.

**Cause:** Windows installs the generic Microsoft drivers, but they should be the Texas Instruments (TI) drivers or Generic 1394 DV Camcorder drivers in the Sound, video and game controllers.

**Solution:** Download the **DVConnect322.exe** file from ftp://206.112.34.138/hauppauge/support/

Make sure the camera is switched off. Install the drivers - restart Windows - plug the camera in - Windows should now detect the camera as a 1394 DV Camcorder.

# Question: I am having problems installing the DV-Wizard Pro board, and getting my camcorder to work.

- If you are running Windows98, right click on the "My Computer" icon. Pull down and choose Properties. Select General tab. The box that comes up should say System: Windows98 Second Edition or if the date reads 4.10.98, you will need to upgrade to Windows98-SE in order to use the DV-Wizard Pro.
- 2. The **DV-Wizard Pro** requires your camcorder to be **OHCI IEEE 1934 compliant.** Check the camcorder manual or with manufacturer for guestions on the compliance.
- 3. Refer to Question: I have DV-Wizard Pro board and MediaStudio installed, but I cannot capture videos successfully.

# Question: How do I update the 1394 DV Camcorder driver to Microsoft DV Camera and VCR in Windows98-SE?

- Go to Control Panel \ Systems \ DeviceManager \ SoundVideoGameController \ 1394DVCamcorder \ Properties \ Driver \ Update Driver.
- 2. Click Next, select option Display a list of all the drivers in a specific location.
- Click Browse, input 'C:\Windows\INF' then click OK. (C:\Windows\ may be changed to the folder where your Windows is installed)

- 4. Select the 'MS DV Camera and VCR' then click OK.
- 5. Follow Windows instructions. There will be a warning message to warn user that the current driver is better then the selected one, click **Yes** to change it.

# <u>Question: I have DV-Wizard Pro board and MediaStudio-SE installed, but I cannot capture videos successfully.</u>

The following steps must be confirmed:

- In Control Panel / System click on the Device manager tab. Under 1394 Bus Controller, the PCI OHCI IEEE 1394 Host Controller should be listed.
- Make sure no loose connection between DV camcorder and DV-Wizard-PRO IEEE-1394 card, then turn on the DV camcorder, Step 4a.
- In Control Panel / System / Device Manager / 'Image device', you should see 'Microsoft DV Camera and VCR' listed.
- In MediaStudio / Setup / Switch Capture Plug-in. Make sure Ulead DirectShow Capture Plug-in is selected
- In MediaStudio / Setup / Ulead DirectShow Capture Plug-in, Microsoft DV Camera and VCR should be listed and have a tick in front of it (selected). Step 5d
- 6. In MediaStudio / Setup / Device Control, select MS 1394 device control. Then you should be able to control the DV camcorder (VTR mode) by MediaStudio. If you get an error message Unable to open specified device, your DV camcorder cannot be detected by MediaStudio. Make sure your DV camcorder is turned on and recheck your cables.

#### **Question: How do I capture a single frame?**

The captured frame will adopt the current displayed video frame size and data type.

- 1. Click Start / MediaStudio / Video Capture.
- 2. Play an existing video or capture a new video.
- 3. Click Control / Pause, to stop the video on the selected frame
- 4. Click Capture / Single Frame
- 5. The frame will be sent to the chosen destination Clipboard or File. For File, key in a filename when standard save dialog box appear.

#### **Question: How do I output DV video to a DV camera?**

- Turn on your camcorder and set it to Play mode (or VTR mode). See your camcorder's manual for specific instructions.
- 2. Click Start / Ulead MediaStudio / VideoEditor
- Click File / Select Device Control. From the Current device list, select MS 1394 Device Control.
- 4. Click File / Export / MS DV Record.
- 5. Select the **DV AVI** file that you want to send to your camcorder. Click the **Open button**.
- 6. In the **DV Recording / Preview Window**, preview your DV file and click **Next**.
- 7. In the **DV Recording** / **Record Window**, click the **red DV recording button** to begin recording the movie to your camcorder.
- 8. Click Finish button when the video transfer is completed

#### Question: Why is rendering process so slow? How do I speed it up?

MediaStudio's Smart Rendering mechanism works by copying the unchanged frames to reduce the rendering time. For Smart Rendering to work, make sure the rendering video has the same settings - such as frame size, frame rate, data rate and compression. The properties of the clip is available by **right clicking** on the video. Modify the settings for rendering in,

a) File / Create / Video File / Options / Video Save option dialog box, select General tab

or

b) File / Convert / Video File, select a source file to open. At Select Destination video file dialog box, select Options / General tab.

For clips with a lot of titles, transition effects or large frame sizes, it will take longer time to render.

# Question: Can I use Ulead MediaStudio-Pro SE to edit MPEG-2 or QuickTime (MOV) video files?

**Yes.** You are able to edit the video files

# Question: I have a Hauppauge WinTV board in my system. Will I be able to capture and edit the video from tuner, composite or S-Video?

**Yes**. We recommend that you use the **WinTV2000** Video Capture application to capture video when using the **WinTV**. The captured video is saved in an AVI file, and then can be used in MediaStudio as another source for video clips. Here is what you do:

- a) Click the RC button found in the lower right hand corner of the WinTV2000 application. Click on the advanced controls bar to roll down the VCR and Snapshot configuration menu.
- b) Click the 1. FILE button. Find the directory you would like to store your video files in.
  One convenient spot is the default directory for MediaStudio:
  C:\ProgramFiles\UleadSystems\ULeadMediaStudio\

Set the **Frame Rate** to **15.00** Click on the **VideoCompression** button and set the Compressor to **Uncompressed** or **No Recompression**.

Click **OK** to close the File menu.

- c) Click 2. FMT to open the format menu. Set the Image Dimensions to 352x288 (PAL video) or 352x240 (NTSC video). Set ImageFormat to YUV9. Click OK.
- d) To start recording click 3. REC To stop recording hit the ESC button on your keyboard. Click 4. PLAY to see what you have just recorded.

Once you have captured your video clips in an AVI format, open **MediaStudio**. When you are ready to import the video file, click on **Storyboard**, then click on the **Insert Media Files** button and then **Add Video**.

If you would like to save compressed video to save hard disk space, in the **1. FILE** menu click on the **VideoCompression** button and set the **Compressor** to one of the video compressors which are supplied with Windows. There are several, and each will give different levels of video quality and file size, so you must experiment to find the one which is right for you

#### Problem: Can't control the camera using MediaStudio VideoCapture 6.0

Cause: Haven't selected the device control

**Solution:** To set up the device control:

- 1. Connect your DV camcorder to your DV-Wizard IEEE-1394 capture card. Carefully follow the instructions for your capture card.
- 2. Turn on your camcorder and set it to Play mode (or VTR mode). Again, see your camcorder's manual for specific instructions.
- 3. Run Video Capture 6.0 and click Options: Select Device Control
- 4. In the **Device Control** dialog box, click the Current device list.
- 5. Select your device\* from the list below:
- · Note: There are many capture card device control options available. The following is a list of some of the more common ones:
- · TI 1394 Device Control
- · PAPI 1394 Device Control
- · DV Device Control (select this for other types of DV capture cards)
- · MS 1394 Device Control

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