

Dazzle

Digital Video Creator 100 User's Guide



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Introduction

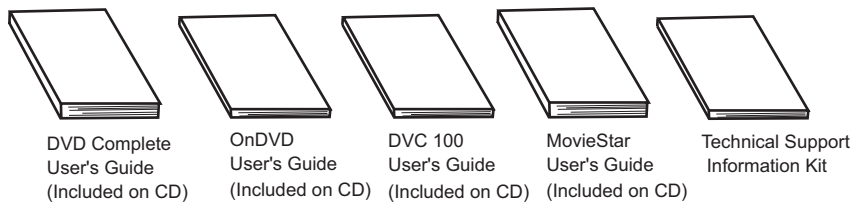
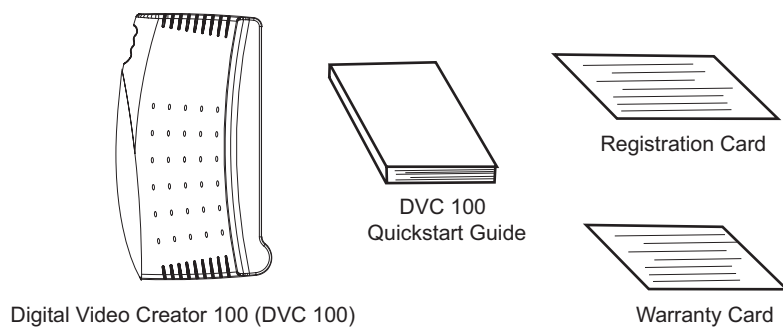
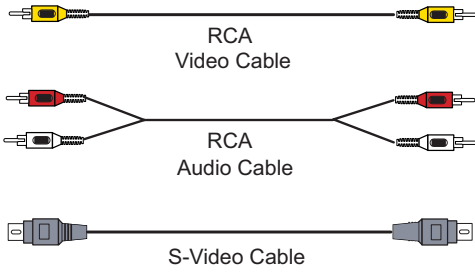


Congratulations!

You have just purchased the Dazzle Digital Video Creator 100.

The Dazzle Digital Video Creator 100 (referred to as DVC 100 throughout this guide) is the ultimate solution for creating videos and photo slideshows for DVD players. The DVC 100 captures DVD-quality video from camcorders, VCRs or TVs. Use Dazzle MovieStar 5 software to edit video and Dazzle DVD Complete software to design and burn DVDs. Import digital photos into Dazzle OnDVD and burn CDs playable on your DVD player. Don't want to make DVDs yet? The DVC 100 also lets you make video tapes, Video CDs, S-Video CDs, or webcast video across the Internet.

What's Included



Note: Users' guides may be provided in either hard copy or as electronic files.

Other Items You Might Need

For some configurations, you may need additional audio and video input/output cables. For example, if you are outputting to a VCR, you may want to connect a TV monitor to the VCR to view your material. This requires the right kind of cable, which varies depending on the VCR and monitor. It may be necessary to use a coaxial video cable, which is usually included with VCRs. To use the DVC 100 with a device that supports only mono audio, you need a Y-adapter to connect the left and right audio cables to the DVC 100. A Y-adapter cannot convert mono to stereo, but it prevents the sound from only being audible in the left or right channel.

These items are widely available in electronics stores.

About This Guide

This Guide explains how to use the Dazzle DVC 100. Following is a description of each section:

“Getting Started” lists the minimum system requirements for the DVC 100, provides a hardware overview and a software overview, and describes the software and hardware installation process.

“Capturing Video” explains how to connect video input, set up an optional preview monitor for an input configuration, and capture video to your computer’s hard disk.

“Outputting Video” describes how to connect video output, set up an optional preview monitor for an output configuration, and output video to your VCR or camcorder.

“Troubleshooting” provides solutions to possible problems and answers frequently asked questions.

“Technical Support” provides information on the Dazzle Interactive Support Site, and tells you how to contact Dazzle Technical Support.

Getting Started

Minimum System Requirements

To use the DVC 100, your computer system must meet the following minimum requirements:

CPU: 500 MHz processor

Hard Disk Requirement: Minimum 5400 RPM, 150MB for software installation

Operating System: Microsoft® Windows® 98 SE, Me, 2000, or XP

Video: 1024 x 768, 24-bit color, DirectX 8 or above

RAM: 128MB minimum

Sound: PC must have a sound card

Interface: USB 1.1 or above

CD-ROM or DVD-ROM Drive: For software installation

CD Burner: For VCD, S-VCD, or cDVD creation

DVD Burner (All Formats): For DVD creation

Hardware Overview

You can connect your camcorder, VCR, or TV to the DVC 100 to capture DVD quality video to your PC. All you have to do is connect your video source to the DVC 100 connector box and click the video record button in the Dazzle MovieStar 5 software. The DVC 100 has an integrated DVD encoder chip, which automatically converts video in real-time into the DVD format (MPEG-2) before it lands on your hard disk. This process shrinks the video to about 1/4 of its original size while retaining DVD quality. You not only save a lot of hard disk space, but since your video is already in DVD format, you don't have to convert the video later.



Software Overview

The DVC 100 includes three Dazzle software applications: MovieStar 5, DVD Complete, and OnDVD. Following is a description of each of these software applications.

MovieStar 5

MovieStar 5 makes editing your video easy, but it doesn't leave out the powerful features you want. Cut unwanted scenes and add 3D transitions, titles, and special effects. Add your favorite background music to set the mood or do a voice-over narration to explain important scenes. Use the storyboard or timeline interface for easy, yet professional video editing. MovieStar 5 has Background Rendering, Smart Rendering and Fast Rendering technology for superior speed and performance. MovieStar 5 lets you make Real Media or Windows Media internet-ready streaming videos. Then upload them for free to the Dazzle Webcasting site to share streaming video across the internet. For instructions on editing video, refer to your *MovieStar 5 User's Guide*.

DVD Complete

With DVD Complete, it's easy to make DVDs like those created in Hollywood movie studios. The DVD Complete project wizard guides you through five simple steps from camcorder to DVD. All you need to know is what you like and DVD Complete does the rest. For instructions on making DVDs, refer to your *DVD Complete User's Guide*.

OnDVD

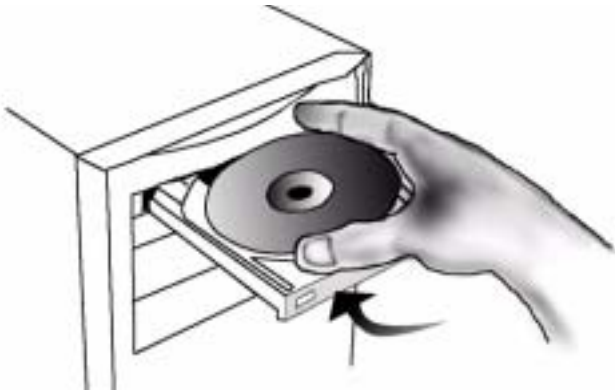
Digital cameras allow you to take an unlimited number of photographs that quickly pile up on your computer and become difficult to manage. With OnDVD, you can take your digital pictures and turn them into photo albums for your DVD player. OnDVD makes it simple to turn your digital pictures into digital photo albums. For instructions on creating Slideshows, refer to your *OnDVD User's Guide*.

Note: You can access an electronic user guide for any of the above Dazzle software applications by selecting **Start>Programs**, selecting the name of the desired product, and then selecting the user guide for that product.

Software Installation

You must install the DVC 100 software before you connect the hardware. To install the required DVC 100 drivers and the included software applications, follow these steps:

1. Insert the provided DVC 100 Installation CD in your computer's CD-ROM/DVD-ROM drive.

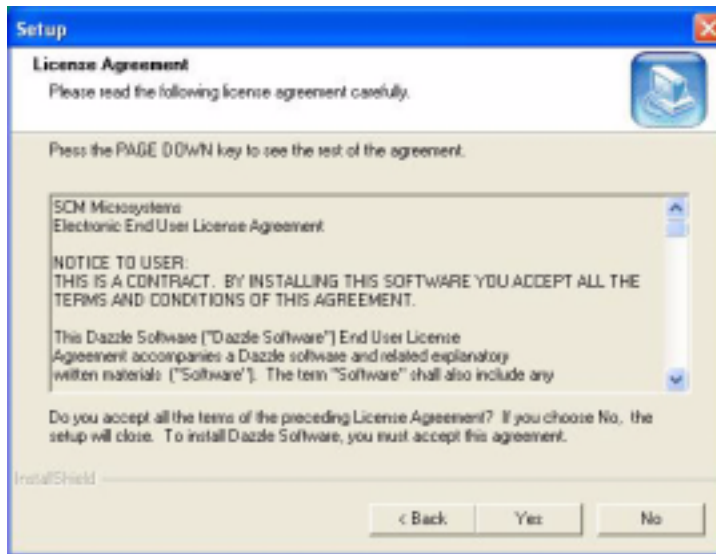


The InstallShield Wizard Welcome screen appears.



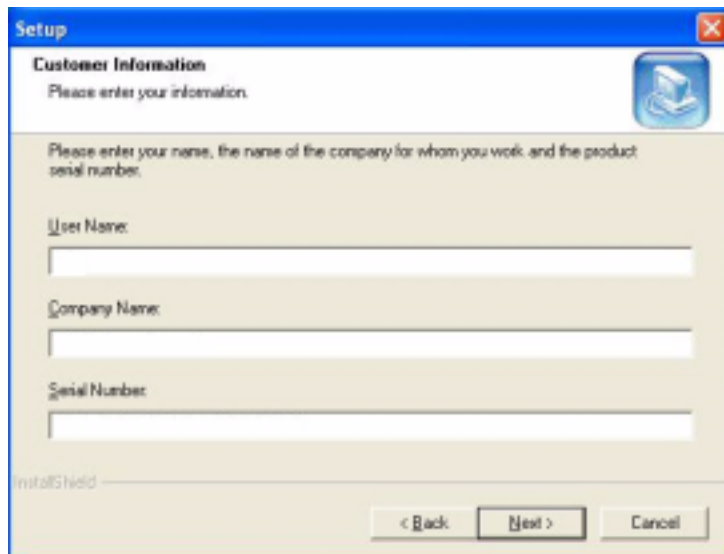
2. Click Next.

The License Agreement screen appears. To use the DVC 100, you must agree to the terms of the license.



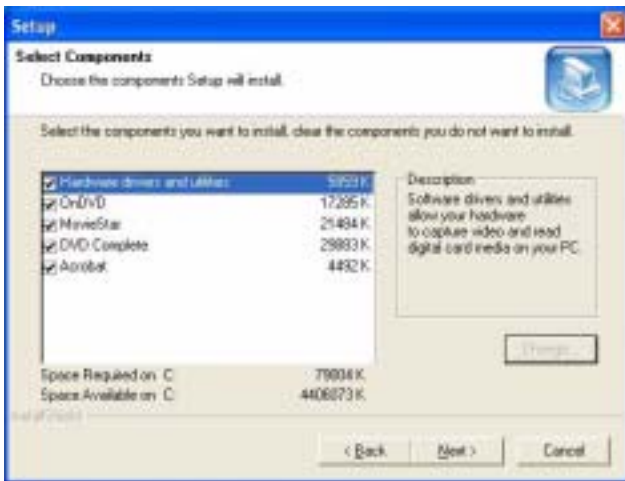
3. Click Yes to accept the license agreement.

The Customer Information screen appears.



4. Enter your name, company name, and serial number, then click **Next**.

The Select Components screen appears. This screen allows you to select the drivers and applications you want to install. **Dazzle strongly recommends installing all the components.** The Hardware drivers and utilities are required for the video input/output operations. MovieStar is required for video capture and playback. DVD Complete is required to design and burn DVDs. OnDVD is required to create Slideshows. Acrobat is required to read the online Help files and electronic users' guides.



5. Select the desired components and click **Next**.

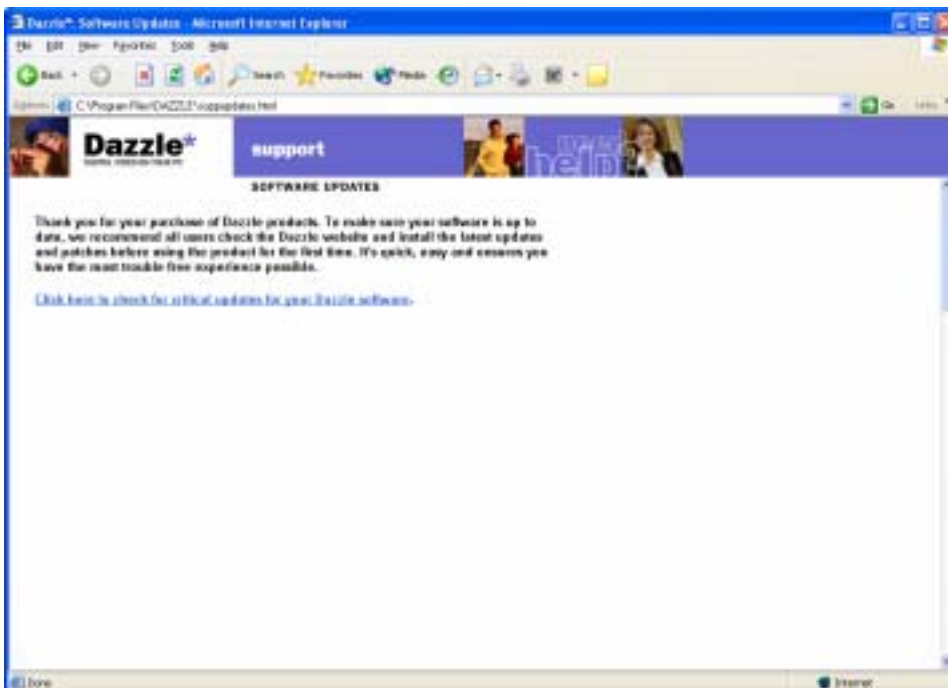
The InstallShield Wizard installs the specified drivers and applications, and then the Acrobat Reader 5 installer appears. You'll need this application to access the online Help files and electronic users' guides.

After installing all the software, the InstallShield Wizard confirms a successful installation.



6. Click **Finish** to restart your computer and complete the installation.

After restarting your computer, a browser window appears with a message that reminds you to check the Dazzle website for the latest updates and patches. Just click on the link in the browser window to check for any critical updates to your software.



Hardware Installation

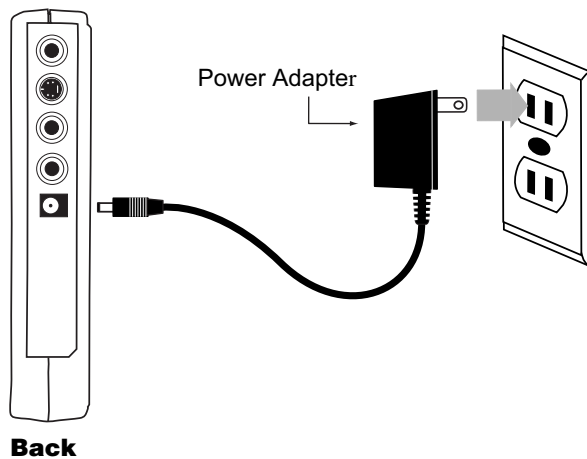
After you install the DVC 100 software, you can install the hardware.

Installing the DVC 100 hardware is an easy, two step process, as described below.

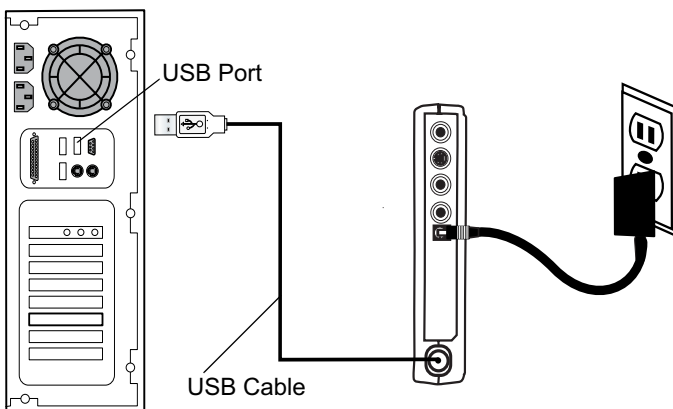
1. Connect one end of the AC power cord to the back of the DVC 100 and the other end to an electrical outlet.

To avoid damaging your DVC 100, use only the supplied power adapter.

DVC 100



2. Connect the USB cable (attached to the back of the DVC 100) to the USB port on your computer.



Capturing Video

This section explains how to capture video from an analog source, such as a camcorder, VCR, or TV, so you can edit the video and create special effects on your computer. You'll learn how to set up the DVC 100 for analog video input, which is converted into DVD compatible video (MPEG-2) for use on your computer.

Connecting Video Input

To connect your camcorder, VCR, or TV to the DVC 100 to capture DVD quality video, follow these steps:

1. Connect one end of the RCA (composite) video cable (yellow) or S-video cable (black) to the corresponding Video Out connector on the camcorder, VCR, or TV.

S-video provides a higher quality video capture than composite video and should be used if your camcorder, VCR, or TV has an S-Video output.

Note: Some TVs do not have Video Out connectors. For specific details, check the documentation included with your TV.

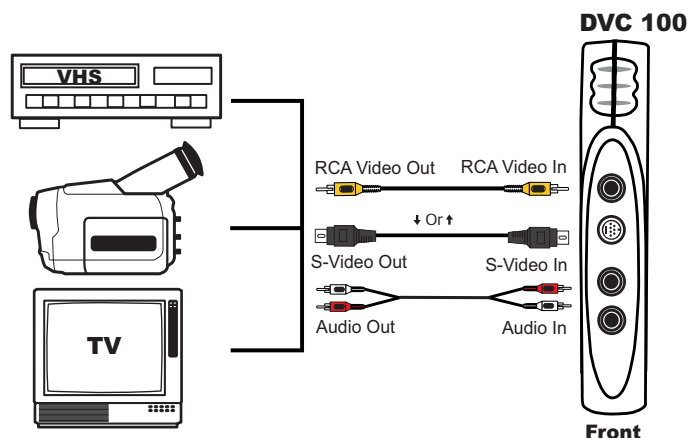
2. Connect the other end of the video cable to the corresponding Video In connector on front of the DVC 100.

Note: Some camcorders do not have connectors for standard video cables, which are included with the DVC 100. If your camcorder is not compatible with the supplied cables, use the cables that were included with the camcorder.

3. Connect one end of the RCA audio cable (red and white) to the Audio Out connectors on the camcorder, VCR, or TV.

Note: If your device only supports mono output, you need to use a Y-adapter.

4. Connect the other end of the RCA audio cable to the Audio In connectors on the front of the DVC 100.



Connecting an Optional Preview Monitor

Although you can preview your video in MovieStar 5, you may prefer to view it at full size on a TV monitor. To connect an optional preview monitor, follow these steps:

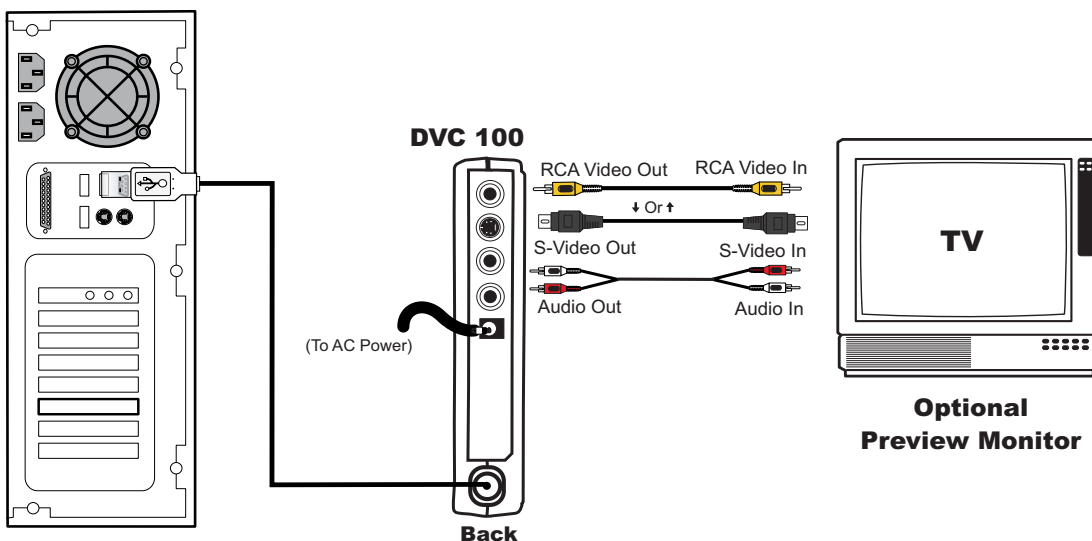
1. Obtain an additional RCA (composite) video cable or S-Video cable (depending on your configuration) and an additional RCA audio cable (these extra cables may have been included with your camcorder and/or VCR).
2. Connect one end of the RCA video cable (yellow) or S-video cable (black) to the corresponding Video Out connector on the back of the DVC 100.
3. Connect the other end of the video cable to the corresponding Video In connector on the TV monitor.

Note: Some older model TVs may not have Video In connectors. For specific details, check the documentation included with your TV.

4. Connect the RCA audio cable (red and white) from the Audio Out connectors on the back of the DVC 100 to the Audio In connectors on the TV monitor.

Note: Your additional audio cable may have separate connectors for left and right, or the connectors might be joined as shown in the illustration below. Remember that you need to use a Y-adapter if your TV monitor only supports mono input.

IMPORTANT: Make sure that the TV monitor is set up properly to receive a video signal. It might need to be set to “Line In,” “L1,” “L2,” “Aux” or a similar channel. Check the monitor’s documentation for specific details.



Capturing Video

To capture video to your computer's hard disk, follow the steps below (for more detailed instructions on capturing video, see your *MovieStar 5 User's Guide*).

1. Launch MovieStar 5.

The Project Profile dialog box appears. In this window, you can choose the type of project you want to create, for example, making a DVD. Choosing the project profile at this point speeds the video editing process, but you can always change your mind and choose a different profile later. If you want to create a video tape, choose **DV** for your project profile. In this window, you can also select a broadcast standard (NTSC or PAL).



- 2.** Choose a project profile, then click **OK**.
- 3.** Click the **Capture** button to display the Capture window.
- 4.** Enter a name for your file, then select a file destination.
- 5.** Select **DVC 100** as the video device.

If you are using a camcorder and capturing from a previously recorded tape, set the camcorder to Video Tape Recorder mode. If you want to capture live video from the camcorder, set it to Camera mode. The DVC 100 converts the live video to MPEG and stores it on your computer's hard disk.

- 6.** Specify whether you want to capture from the Composite (RCA) or S-Video input.
- 7.** Go to the point on the tape where you want to begin capturing and press the **Pause** button on your camcorder or VCR.

The video image appears in the Player window in MovieStar 5.

- 8.** Click the red **Record** button in MovieStar 5.

There is a slight delay before MovieStar 5 begins recording.

- 9.** Press the **Play** button on your camcorder or VCR to begin capturing the video.
- 10.** Click the **Stop** button in MovieStar 5 when you want to end the video capture.

Editing Video

Now that your video has been captured, you can edit it with MovieStar 5. Cut out unwanted scenes, splice together different clips and add Hollywood-style special effects like titles, transitions, voice-overs and background music.

For detailed information on editing video, see your *MovieStar 5 User's Guide*.



Creating DVDs, VCDs and S-VCDs

For instructions on creating DVDs, VCDs, S-VCDs, and Webcasting, see the supplied MovieStar 5, DVD Complete, and OnDVD users' guides.

Outputting Video

This section explains how to set up the DVC 100 for analog video output, so you can transfer your edited video to a camcorder or VCR to create customized video tapes.

Note: If you have an optional preview monitor connected, you may need to disconnect it to attach the camcorder or VCR that you want to record to. However, you may be able to connect it to the output device as described later in this section.

Connecting Video Output

If your system is currently set up for video input, disconnect the audio and video cables from the DVC 100 and the camcorder, VCR, or TV. You'll need to use the cables to connect video output. To connect your camcorder, VCR, or TV to the DVC 100 to output analog video, follow these steps:

1. Connect one end of the RCA (composite) video cable (yellow) or S-video cable (black) to the corresponding Video Out connector on the back of the DVC 100.

Note: S-Video provides higher quality video capture than composite video and should be used if your camcorder, VCR, or TV has an S-Video connection.

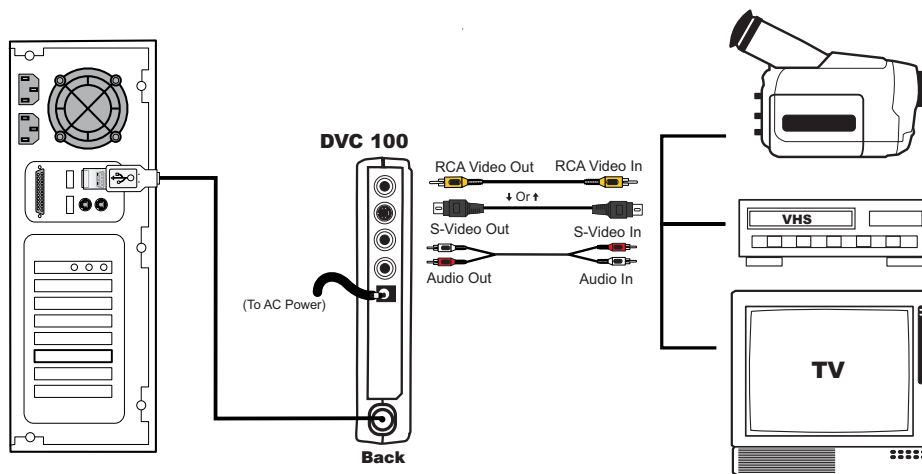
2. Connect the other end of the video cable to the corresponding Video In connector on the camcorder, VCR, or TV.

Note: Some analog camcorders and some older model TVs do not have Video In connectors. Check each device's documentation for specific details.

3. Connect one end of the RCA audio cable (red and white) to the Audio Out connectors on the back of the DVC 100.

4. Connect the other end of the RCA audio cable to the Audio In connectors on the camcorder, VCR, or TV.

Note: If your device only supports mono input, you need to use a Y-adaptor.



IMPORTANT: Make sure that your camcorder, VCR, or TV is set up properly to receive a video signal. It may be necessary to set your camcorder to VTR mode, while a VCR or TV may need to be set to “Line In,” “L1,” “L2,” “Aux” or a similar channel. Remember that you need to use a Y-adaptor if your device only supports mono input. Check your camcorder, VCR, or TV documentation for specific details.

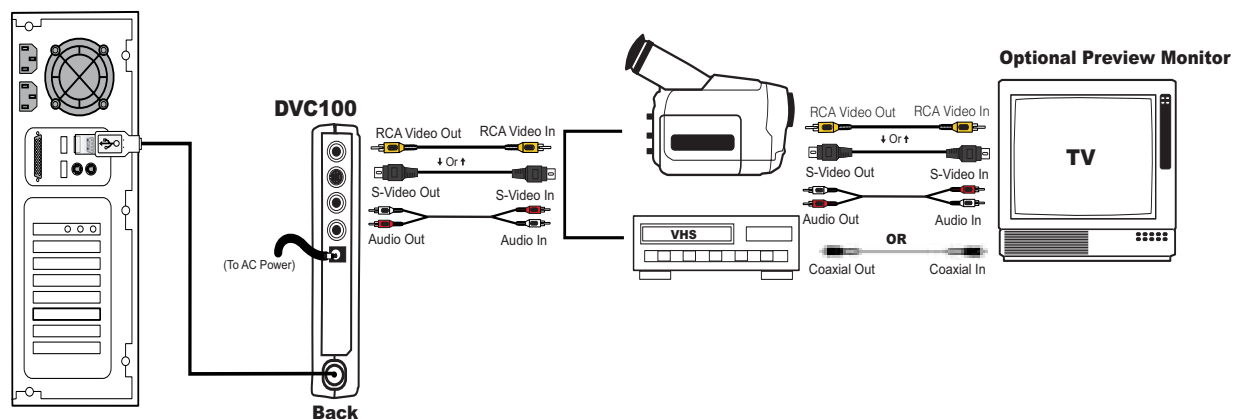
Connecting an Optional Preview Monitor

If the connectors on your camcorder or VCR and your monitor are compatible, you can connect a preview monitor as follows:

1. Obtain an additional RCA (composite) video cable or S-Video cable (depending on your configuration) and an additional RCA audio cable (these extra cables were probably included with your camcorder and/or VCR).
2. Take either the RCA video cable (yellow) or S-Video cable (black) and connect it from the Video Out connector on the camcorder or VCR to the corresponding Video In connector on the TV monitor.
3. Connect the RCA audio cable (red and white) from the Audio Out connectors on the back of the camcorder or VCR to the Audio In connectors on the monitor.

Note: Your additional audio cable may have separate connectors for left and right, or the connectors might be joined as shown in the illustration below. Remember that you need to use a Y-adaptor if your TV monitor only supports mono input.

If your TV monitor does not support the types of cables described above, you still may be able to connect it using a coaxial cable. Many VCRs and most TVs have this type of connector, and many VCRs come with a coaxial cable.



IMPORTANT: Make sure that the camcorder or VCR and TV monitor are set up properly to receive a video signal. It may be necessary to set a camcorder to VTR mode, while a VCR or TV monitor may need to be set to “Line In,” “L1,” “L2,” “Aux” or a similar channel. Or, if the TV monitor is connected to a VCR with a coaxial cable, you may need to set the monitor to channel 3 or 4. Check each device’s documentation for specific details.

Outputting Video

For instructions on outputting your edited video to a camcorder or VCR, see your *MovieStar 5 User's Guide*.

Note: The DVC 100 captures audio in LPCM format. Before you burn a VCD or S-VCD, you must manually render your video file. This converts the audio stream to PCM format. If you try to burn a non-rendered video file to a VCD or S-VCD in MovieStar 5, an error message appears. For DVD burning, MovieStar 5 uses DVD Complete, which automatically converts the audio stream to PCM format. If you want to use third-party DVD authoring software, render your video files in MovieStar 5 before importing them into the authoring software. For more information on third-party compatibility with the DVC 100, please contact your software vendor.

Troubleshooting

Frequently Asked Questions

If you experience difficulties with your DVC 100, please check the troubleshooting section below for possible solutions. If the problems persist, please refer to the Technical Support section on page 24 of this user's guide.

I connected the DVC 100 to my PC, installed the drivers and connected the appropriate cables from my video source (TV, VCR, or Camcorder) to the DVC 100. When I open the capture mode in MovieStar 5 and try to select a capture device, no devices are listed.

Dazzle recommends that you install the DVC 100 drivers and software before connecting the DVC 100 hardware to your PC. To resolve the problem described above, insert the DVC 100 installation CD into your CD-ROM drive. If the auto-run process begins automatically, cancel the installation. Then double-click on **My Computer**. Next, right-click the drive letter corresponding to your CD-ROM drive, then select **Explore** in the drop-down menu. The contents of the installation CD appear. You see a folder labeled **Drivers**. Double-click the Drivers folder, then double-click the **Setup.exe** file. This begins the driver software installation. Follow the on-screen instructions as directed, then restart your computer after the installation is complete. The DVC 100 driver software is installed and you can now capture video.

When I connect my video source (TV, VCR, or Camcorder) to the DVC 100 unit using an S-Video cable, I am unable to see video in the MovieStar 5 preview window.

Make sure your video is playing on your video source. Launch MovieStar 5 and select a capture profile. Next, click the **Capture** button at the top of the MovieStar 5 window. Select your device from the **Video Device** drop-down menu. Locate the red button with the circle in it, directly below the MovieStar 5 preview window. Located to the right of the red button, a drop-down box appears. Click the drop-down arrow and select **S-Video**. Your device is now configured for S-Video capture.

When I try to capture video using the DVC 100 and MovieStar 5, the preview screen in MovieStar 5 displays a green and black image.

Begin by closing and reopening MovieStar 5. Located below the profile option buttons (DV, Video CD, S-Video CD, DVD, MultiMedia), a radio button appears with two options: **PAL/Europe** and **NTSC/USA**. Make sure the **NTSC/USA** radio button is checked (has a black dot in it).

How do I increase my computer system's resources for optimal video performance?

1. Enable Direct Memory Access (DMA).
2. Lower Hardware Acceleration.
3. Get the latest **Video Adapter** Drivers.
4. Get the latest **DirectX** Drivers and Digital Video Capture Update from Microsoft.
5. Delete **Temporary Files**.
6. Lower **Screen Resolution** and **Color Depth** to a maximum of 1024 x 768 24-bit.
7. Update Windows.
8. Update Windows Media Player.
9. Turn off the Windows Screen Saver.
 - Right click on the Desktop.
 - Select **Properties**.
 - Select **Screen Saver**.
10. Close all other Applications (not for Windows 2000 or NT)
 - Press <**Ctrl-Alt-Delete**> on your keyboard. The Close Program dialog box appears.
 - Select a program other than Explorer and Systray.
 - Click **End Task**.
 - Repeat the above steps until Explorer and Systray are the only two open programs.
11. Set **Windows Virtual Memory** (Windows 98 SE, Me, only)
 - Right click on **My Computer**.
 - Select **Properties**.
 - Select the **Performance** tab.
 - Select the **Virtual Memory** button.
 - Select the **Choose Settings** option.
 - Set both numbers to 1 1/2 times the amount of physical memory (RAM) installed on your PC (maximum and minimum).
 - Click **OK**.
 - Click **Yes**.

Note: If you experience any problems after setting virtual memory, set it back and allow Windows to manage the file.
12. Run a disk defragmenting program to speed up your computer's data access functions. (Windows 98 SE, Me only):
 - Click **Start**.
 - Click **Run**.
 - Type **Defrag**.

13. Disable **Windows Visual Effects** (Windows XP only):

- Open the System Properties.
- Click the **Advanced** tab.
- Click the **Performance - Settings** button.
- Click the **Adjust for best performance** radio button.
- Click **OK**.
- Click **OK**.

14. Set the Windows Page File (Windows XP only):

- Open the System Properties.
- Click the **Advanced** tab.
- Click the **Performance - Settings** button.
- Click the **Advanced** tab.
- Click the **Change** button.
- Select **Custom Size**.
- Enter 1 1/2 times the amount of physical memory (RAM) installed on your PC for **Initial Size** and **Maximum Size**.
- Click the **Set** Button.
- Click **OK** three times.
- Restart your computer.

For more information regarding the above procedure, please visit the Dazzle Interactive Support Site at www.Dazzle.com. Begin by clicking the **Support** link, then select **Interactive Support**. Next, locate the **GoTo FAQ Answer ID # Box**, enter **301** into the provided box, and click **GO**.

Technical Support

Interactive Support Site

The Dazzle DVC 100 is relatively easy to use and normally should not produce complications. However, if you need assistance or have questions of any kind, our trained staff members are ready to help. We highly recommend that you use the Dazzle Interactive Support Site, as this is the fastest method of obtaining technical support for your Dazzle product. Begin by visiting www.Dazzle.com, then click the **Support** link and select **Interactive Support** from the provided menu. E-mail support is also available via our Interactive Support Site.



Live Telephone Support

Dazzle's live phone support can be reached 24 hours a day 7 days a week.

If you are calling Dazzle Technical Support for the first time, or if you are within your 30 day free technical support window (30 days from placement of first support call), contact Dazzle at 203-315-4230.

If you have extended beyond your free 30 day technical support window, contact Dazzle at 800-570-9548 (charges apply). We highly recommend having your computer nearby when calling to facilitate troubleshooting.

If you wish to contact Dazzle Technical Support via fax, you may do so at 203-483-5985.

In the UK, please contact local support at (0) 9062 160 180 (25p/minute).