

SOFTWARE INSTALLATION AND USB CONNECTION GUIDE

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Victor Company of Japan, Limited

Note:

If You acquired the Program in Germany, the provisions of Sections 4 (Limited Warranty) and 5 (Limited Liability) provided above will be replaced with those of the German version of this Agreement.

CAUTION:

- Operate this equipment according to the operating procedures described in this manual.
- Use only the provided CD-ROM. Never use any other CD-ROM to run this software.
- Do not attempt to modify this software.
- Changes or modifications not approved by JVC could void user's authority to operate the equipment.

How to handle a CD-ROM

- Take care not to soil or scratch the mirror surface (opposite to the printed surface). Do not write anything or put a sticker on either the front or back surface. If the CD-ROM gets dirty, gently wipe it with a soft cloth outward from the center hole using a circular motion.
- Do not use conventional disc cleaners or cleaning spray.
- Do not bend the CD-ROM or touch its mirror surface.
- Do not store your CD-ROM in a dusty, hot or humid environment. Keep it away from direct sunlight.

- You can find the latest information (in English) on the provided software program at our world wide web server at <http://www.jvc-victor.co.jp/english/index-e.html>

Notice for Users

Use of this software is authorized according to the terms of the software license.

When contacting the nearest JVC office or agency in your country about this software (refer to the JVC Worldwide Service Network at <http://www.jvc-victor.co.jp/english/worldmap/index-e.html>), please fill out the following and have the appropriate information ready.

Product Name		
Model		
Problem		
Error Message		
PC	Manufacturer	
	Model	<input type="checkbox"/> Desktop <input type="checkbox"/> Laptop
	CPU	
	OS	
	Memory	MB
	Available Hard Disk Space	MB

Please note that it may take some time to respond to your questions, depending on their subject matter.

JVC cannot answer questions regarding basic operation of your PC, or questions regarding specifications or performance of the OS, other applications or drivers.

Operating Environment

The following requirements must be satisfied to connect a camcorder to a PC and to use Digital Photo Navigator.

Windows®

- OS** : Windows® 98 (pre-installed),
Windows® 98 Second Edition (98SE) (pre-installed),
Windows® Millennium Edition (Me) (pre-installed),
Windows® 2000 Professional (2000) (pre-installed),
Windows® XP Home Edition (XP) (pre-installed),
or Windows® XP Professional (XP) (pre-installed)
- CPU** : Intel MMX® Pentium®, at least 200 MHz
- RAM** : At least 64 MB recommended
- Free hard disk space** : At least 10 MB for installation, at least 500 MB recommended
- Connector** : USB connector
- Display** : Must be capable of displaying 800 x 600 dots with 16-bit color
- Miscellaneous** : Internet Explorer 5.5 or later

■ For ImageMixer with VCD

In addition to the requirements on the previous page, the following requirements must be satisfied to use ImageMixer with VCD.

OS	: The same as requirements on the previous page. However, Windows® 98 cannot be used when you connect a camcorder to the PC with a USB cable. Windows® 98, Windows® 98SE cannot be used when you connect a camcorder to the PC with a IEEE1394 (DV) cable.
CPU	: For capturing video via a USB cable or IEEE1394 (DV) cable, Intel Pentium® III, at least 500 MHz, at least 800 MHz recommended
Free hard disk space	: At least 300 MB for installation, at least 1 GB recommended
Connector	: IEEE1394 (i.LINK) connector
Miscellaneous	: DirectX 8.0a or later

Macintosh

Hardware	: iMac, iBook, eMac, Power Mac G4, PowerBook G3 or G4 equipped with a USB connector
OS	: Mac OS 9.0.4 to 9.2.2 Exclude Mac OS X and Mac OS X [Classic]
RAM	: At least 64 MB recommended

■ For ImageMixer with VCD

In addition to the requirements above, the following requirements must be satisfied to use ImageMixer with VCD.

CPU	: At least PowerPC G3/400 MHz or PowerPC G4/400 MHz
RAM	: At least 128 MB recommended
Free hard disk space	: At least 150 MB for installation, at least 1 GB recommended
Display	: Must be capable of displaying 800 x 600 dots with 32,000 color
Miscellaneous	: QuickTime 4 or later

- The system requirements information above is not a guarantee that the provided software will work on all personal computers meeting those requirements.
- Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Macintosh is a registered trademark of Apple Computer, Inc.
- Other product and company names included in this instruction manual are trademarks and/or registered trademarks of their respective holders.

Software Installation (Windows®)

Follow the procedure described below to install the software. From the [Setup] screen in step 3, you can install the following drivers or software. Quit any other software you are using. (Check that there are no other application icons on the status bar.)

USB Video Streaming driver

This driver allows you to record camcorder's audio and video output on your PC's hard disk instead of camcorder's video tape. You can also use the camcorder to conduct a video conference over the Internet.

NOTES:

- **Windows® 98/98SE/Me/2000:** Be sure not to connect the USB cable between the camcorder and the PC before installing the driver.
- **Windows® XP:** The installation procedure differs from that of other operating systems and the item is not displayed. For details, see "Installing USB Video Streaming driver for Windows® XP users" (☞ pg. 8).

ImageMixer with VCD 1.1

This application is used to capture still images and video clips from a camcorder through a USB connector or IEEE1394 (i.LINK) connector, and is also used to manage and edit the still images and video clips, and to create Video CDs.

Digital Photo Navigator 1.0

This application is used to organise still images on your PC and convert them into a variety of formats.

Adobe® Acrobat® Reader 5.0

This application is used to read PDF files.

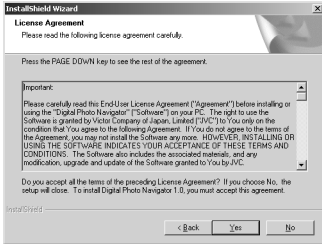
- 1** Load the provided CD-ROM in the PC.
After a moment, the [Important Notice] screen appears.
 - If the [Important Notice] screen does not appear, double-click [My Computer] and then double-click the CD-ROM icon.
- 2** Confirm the contents and then click [Next].
After a moment, the [Setup] screen appears.
From the [Setup] screen, you can install the desired driver or software.

3 Click [Install] on the right side of the desired software and follow the on screen instructions to complete the installation.

The installation of the selected driver or software starts. The procedure differs depending on the driver or the software.

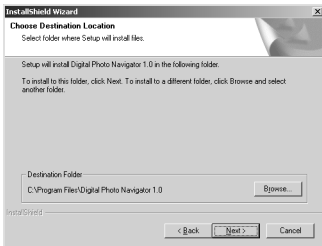
The following is the example of Digital Photo Navigator on Windows® 98SE.

[License Agreement] screen appears.



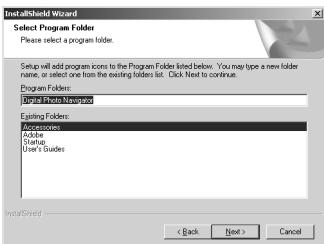
Click [Yes].

Then, [Choose Destination Location] screen appears.



Click [Next].

Next, [Select Program Folder] screen appears.



Click [Next].

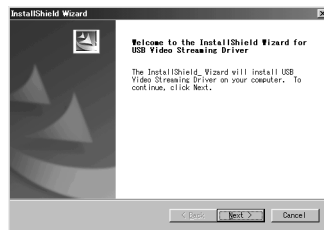
The following is the example of USB Video Streaming driver on Windows® 98SE.

[Installation Folder] screen appears.



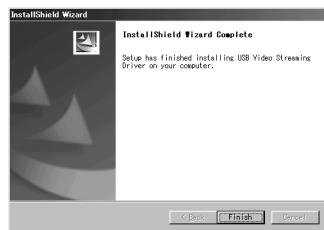
Click [Finish].

Then, [InstallShield Wizard] screen appears.



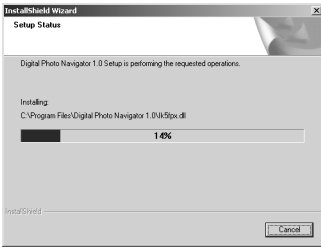
Click [Next].

When the installation is finished, [InstallShield Wizard Complete] screen appears.

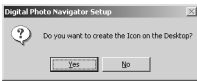


Click [Finish] and then [Setup] screen reappears.

[Setup Status] screen appears. Wait for a moment until the installation is finished.



When the installation is finished, [Digital Photo Navigator Setup] screen appears and asks you if you want to create the icon on the desktop.

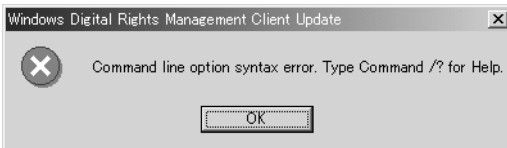


If you need it, click [Yes]. If not, click [No].

- 4 When the message asking whether it is OK to restart the PC appears, click [Yes]. The PC restarts, and after a moment the [Setup] screen from step 1 appears.
- 5 Repeat steps 3 and 4 to install all of the desired software.

Installing [ImageMixer with VCD 1.1]

When the error message below appears while installing ImageMixer, click [OK] to complete installation.



NOTES:

- The Digital Photo Navigator and ImageMixer with VCD instruction manual is included on the CD-ROM in PDF format. Double-click the [JVC] folder and then double-click the [Docs] folder. Open the "Start.pdf" file and click the button of the desired language. Note that Adobe® Acrobat® Reader must be installed to read PDF files.
- For details on how to use **Windows® NetMeeting®** or **Windows® Messenger** (Windows® XP only), refer to "Appendix" in the Digital Photo Navigator instruction manual on the CD-ROM.
- When installing the [ImageMixer with VCD 1.1], select the desired language in the [Choose Setup Language] screen.
- If you perform installation of a software that is already installed, uninstallation will start. In this case, perform the installation again after uninstallation is finished.
- DirectX is necessary so that USB Video Streaming driver works properly. To install DirectX, select "DirectX" on the installation screen of ImageMixer with VCD 1.1.
- When you install USB Video Streaming driver with Windows® 2000 and Windows® XP, a warning message dialog box on digital signature may appear. In this case, click [OK] to continue installation because this problem has no effect on the use of the driver.
- When you install ImageMixer with VCD 1.1 with Windows® 2000 and Windows® XP, the [Microstaf WINASPI] screen appears. Click [Next] to continue installation.

Installing USB Video Streaming driver for Windows® XP users

When you connect the camcorder to the PC, four drivers are installed in succession by following the procedures below.

NOTES:

Click [Continue Anyway] when the message [Has not passed Windows Logo testing] appears. Be sure not to select [Stop Installation]. If you do so, the USB Video Streaming drivers will not be installed correctly.

- 1** Connect the camcorder to the PC with a USB cable.
After a moment, the [Found New Hardware Wizard] screen appears.
 - Refer to “Connecting the USB cable” (☞ pg. 9).
- 2** Click [Install from a list or specific location (Advanced)] and then click [Next].
The driver search screen appears.
- 3** Click the next three items in the order below.
 - [Search for the best driver in these location]
 - [Include this location in the search]
 - [Browse]
- 4** Double-click [My Computer] on the desktop.
- 5** Double-click the CD-ROM drive icon and the [XP] folder, and then click [OK].
- 6** Click [Next].
 - The warning message dialog box appears.
- 7** Click [Continue Anyway].
After a moment, the [Found New Hardware Wizard] screen appears.
- 8** Click [Finish].
After a moment, the [Found New Hardware Wizard] screen appears again.
- 9** Repeat steps **2** to **8** until the [Found New Hardware Wizard] screen is cleared.
After you repeat steps **2** to **8** four times, the installation of the USB Video Streaming driver is complete.

Updating [Device Manager] (Windows®)

If the camcorder is connected to the PC with the USB cable before installing [USB Video Streaming driver], the installation might not be performed properly.

In this case, follow the procedure described below to update the [Device Manager] and install [USB Video Streaming driver] properly.

NOTE:

Disconnect any other USB audio devices from PC before performing the following procedure.

Installing [USB Video Streaming driver]

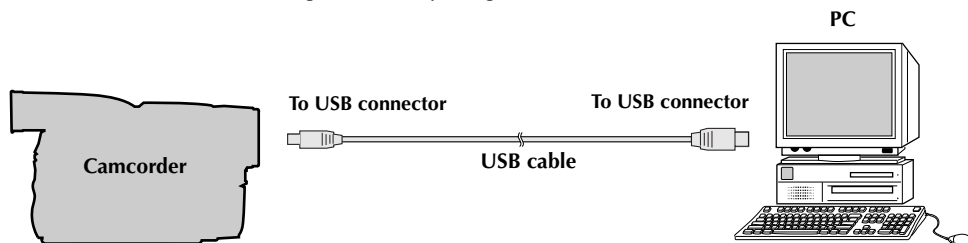
- 1** Use the USB cable to connect the camcorder to the PC. (☞ pg. 9)
- 2** Select [Start] – [Settings] – [Control Panel]. Double click the [System] icon.
- 3** **Windows® 98/98SE/Me:** Select the [Device Manager] tab.
Windows® 2000/XP: Select the [Hardware] tab and click [Device Manager].

- 4** Delete [GR-D50*] in [Other devices].
* The model name depends on the connected camcorder.
- 5** Disconnect the USB cable from the camcorder. Restart the PC.
- 6** Load the provided CD-ROM in the PC. Install [USB Video Streaming driver]. (☞ pg. 5)
 - **Windows® XP:** Refer to “Installing USB Video Streaming driver for Windows® XP users” (☞ pg. 8) for installation.
- 7** Use the USB cable to connect the camcorder to the PC.
Device driver is installed.
 - **Windows® 2000:** When a warning message dialog box on digital signature appears, click [OK] to continue installation.
- 8** Confirm the following devices are displayed in [Device Manager] by performing steps 2 – 3.
 - [JVC PIX-MCV Video Capture] in [Imaging Devices]
 - [JVC PIX-MCV Audio Capture] in [Sound, video and game controllers]
 - [JVC Composite PIX-MCV Device] and [JVC Communication PIX-MCV Video Driver] in [Universal Serial Bus Controllers]

Connections (Windows®/Macintosh)

Connecting the USB cable

Connect the USB cable to use ImageMixer in capturing video.



- 1** To assure safety, make sure all units are turned off before making any connections.
- 2** Use the USB cable to connect the camcorder to the PC.
 - We recommend that you use the AC Adapter.

NOTES:

- When the USB cable is connected, turning on or off the camcorder causes malfunctions of the PC.
- If you connect the camcorder to the PC through a USB hub, compatibility issues between the hub and the PC may result in instability in the operation of the PC. If this happens, connect the camcorder directly to the PC, not through the hub.
- Do not use an extension USB cable.
- For Windows® 2000/Me/XP, you can also use a DV cable instead of a USB cable to capture video from a tape when using ImageMixer. For more details, refer to the online help. (☞ “For more detailed information” in the ImageMixer instruction manual on the CD-ROM)

Software Installation (Macintosh)

Follow the procedure described below to install the software.
Quit any other software you are using.

- 1** Load the provided CD-ROM into the PC. Double click the CD-ROM icon.
- 2** Double-click the [ImageMixer] folder in the CD-ROM.
- 3** Double-click the [Install ImageMixer with VCD] icon.
The installer starts up. Follow the instructions which appear on the screen.



NOTE:

The ImageMixer with VCD instruction manual is included on the CD-ROM in PDF format. Double-click the [Docs] folder. Open the "Start.pdf" file and click the button of the desired language. Note that Adobe® Acrobat® Reader must be installed to read PDF files. The Installer of Adobe® Acrobat® Reader is included within the [Reader] folder on the CD-ROM.

