

# DV-36P

User's Guide v1.0



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## Introduction

### Package Contents

Carefully examine the contents of the package as shown below.



- DV-36P Smart Media Card Programmer
- DV-36P Installation CD
- USB Cable



## Chapter 1 - Introduction

### Features

- USB port connectivity!
- Write full A/V to 128 MB SMC in less than 8 minutes
- Read file capabilities
- Auto erase on rewrite eliminates unwanted files
- Efficiently store MPEG-1 video clips on rewritable Smart Media Cards
- Control looping and repetition of video clips
- Supports Windows 98/2000/XP

### For More Information...

This *User's Guide* shows how to operate and install the DV-36P, and it contains additional information about the DV-36P.

Chapter  
**2**

**Setting Up**

## Chapter 2 - Setting Up

### USB Installation

**Note:** *The computer must have a working USB port and the operating system must support USB devices. The USB port also has to be enabled and properly configured in the operating system.*

#### Step 1: Unpack The DV-36P

Remove the packing material and the plastic bag from outside of DV-36P.



#### Step 2: Connect USB Cable

- 1 Plug the small square end of the USB cable into the port on DV-36P.



## Chapter 2 - Setting Up

- 2 Plug the flat end into any USB port on the computer.

### Step 3: Install the USB Driver

Turn on the computer and wait for Windows to start. Then insert the *DV-36P Installation CD* into the CD-ROM drive.

After a few seconds, the Add/Found New Hardware Wizard screen will appear.

**Note:** *If the Add/Found New Hardware Wizard does not appear, the computer may not be USB-enabled.*

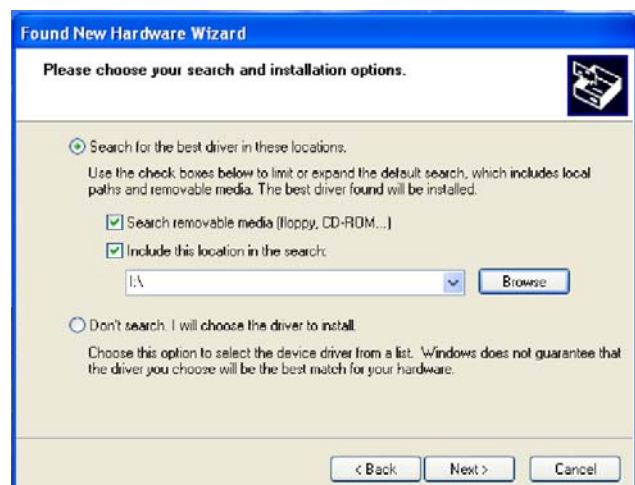
- 1 Select “Install from a list or specific location (Advanced)” and click **Next** in this screen.

**Note:** *If you are using Windows 98, click Next first, then select “Search for the best driver for the device (Recommended)” and click Next.*



- 2 Select “Search removable media (floppy, CD-ROM...)” and click **Next**.

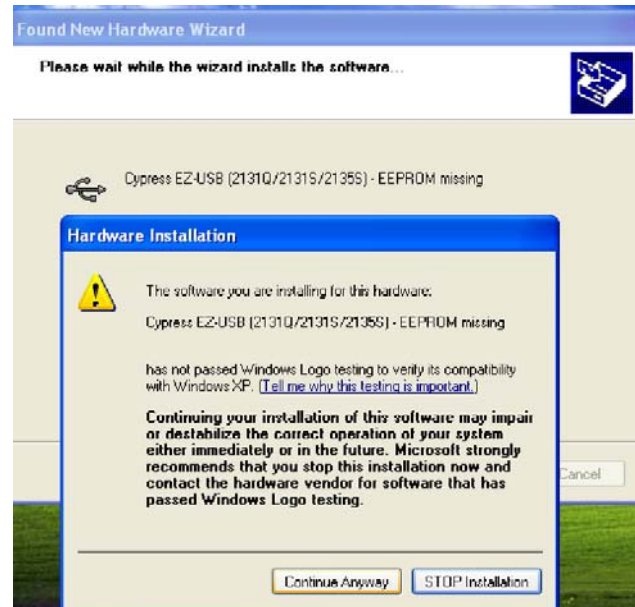
**Note:** *Select “CD-ROM Drive” and click Next if you are using Windows 98.*



## Chapter 2 - Setting Up

- 3 When the driver file is located, click “Continue Anyway” and click Next.

**Note:** *Click Next if you are in Windows 98/2000.*



- 4 When you are notified that the USB driver installation is completed, click Finish.



## Chapter 2 - Setting Up

### Step 4: Additional Steps for Windows 2000/XP

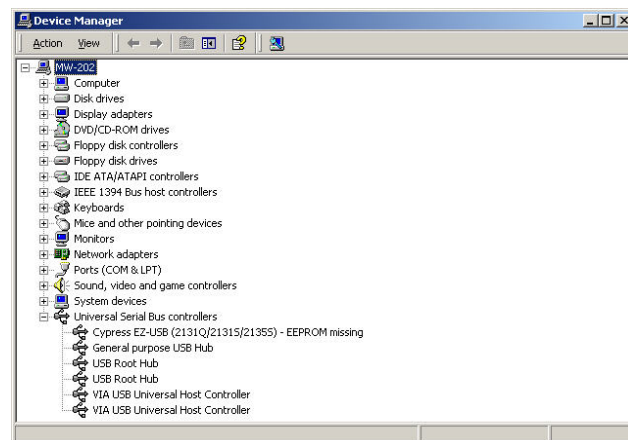
- 1 On the *DV-36P installation CD* find the two files named “ezusb.sys” and “ezusbw2k.inf”
- 2 Copy “ezusbw2k.inf” to “C:\WINDOWS\INF\” (Windows XP) or “C:\WINNT\INF\” (Windows 2000) onto the computer.
- 3 Copy “ezbus.sys” to “C:\WINDOWS\SYSTEM32\DRIVERS\” (Windows XP) or “C:\WINNT\SYSTEM32\DRIVERS\” (Windows 2000) onto the computer.

**Note:** You must be able to view hidden directory under Windows 2000/XP in order to see the INF and SYSTEM32 directories. For instructions on how to see hidden directories under Windows 2000/XP, see Windows 2000/XP help.

### Step 5: Check Device Manager

- 1 Go to “Control Panel” and go to “System.”
- 2 Click the “Hardware” tab on top, and click “Device Manager.”
- 3 You will see a list of devices. Expand “Universal Serial Bus controllers” and see if “Cypress EZ-USB (2131Q/21315/21355) EEPROM missing” is installed correctly as shown.

**Note:** If you see a “!” sign next to the device, it means that the device is not working properly. Check the installation steps again and make sure that they have been followed through thoroughly.



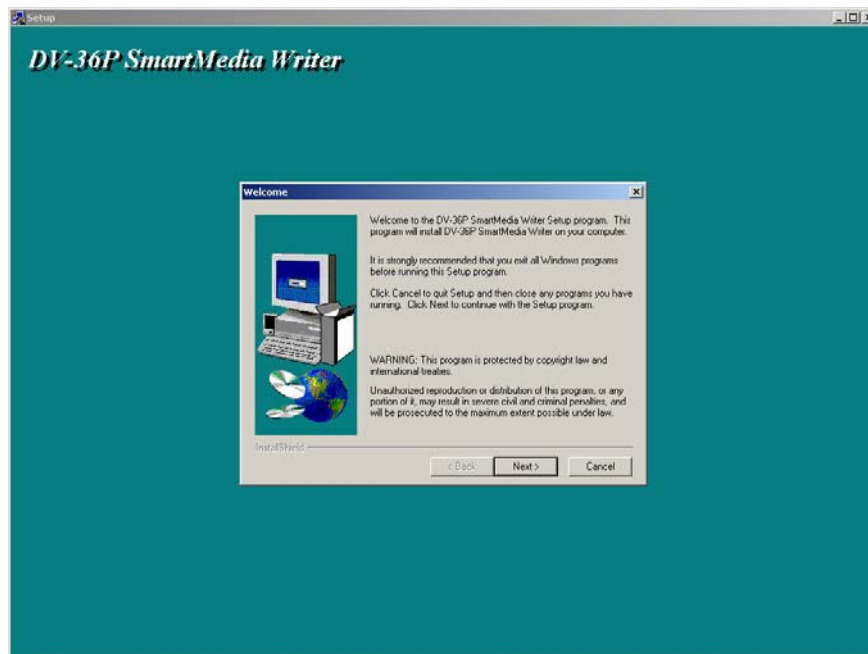
## Chapter 2 - Setting Up

### DV-36P Software Installation

After you have installed the USB driver onto the computer, you can install the DV-36P SmartMedia Writer software that provides a user-friendly interface for rapid and error-free programming of Smart Media Cards.

#### Step 1: Run Setup from the DV-36P Installation CD

- 1 In Windows, click “Start” and select “Run.”
- 2 In the edit box, type “D:\setup.exe” and click “OK” (where “D:” is the CD-ROM drive letter that has the DV-36P Installation CD in it.)
- 3 The Installation Wizard will appear. Follow through the Installation Wizard to install the DV-36P software.



- 4 Press the “Finished” button on the Installation Wizard.

#### Step 2: Restart The Computer

To complete the installation, restart the computer.



## **Chapter 2 - Setting Up**

### **The driver did not install correctly. What to do now?**

- Make sure that the host computer is operating correctly and the operating system supports USB and that its USB port is enabled and properly configured.
- If you are using Windows 2000/XP, make sure that you have copied the two files "ezbus.sys" and "ezusbw2k.inf" into the proper directories on the system. For detailed instructions on how to do so, go to page 7.

### **The DV-36P software did not install correctly. What to do now?**

- Try closing other programs that you are running on the system.
- Restart the computer and re-install the software.
- Check the computer operating system.

Chapter

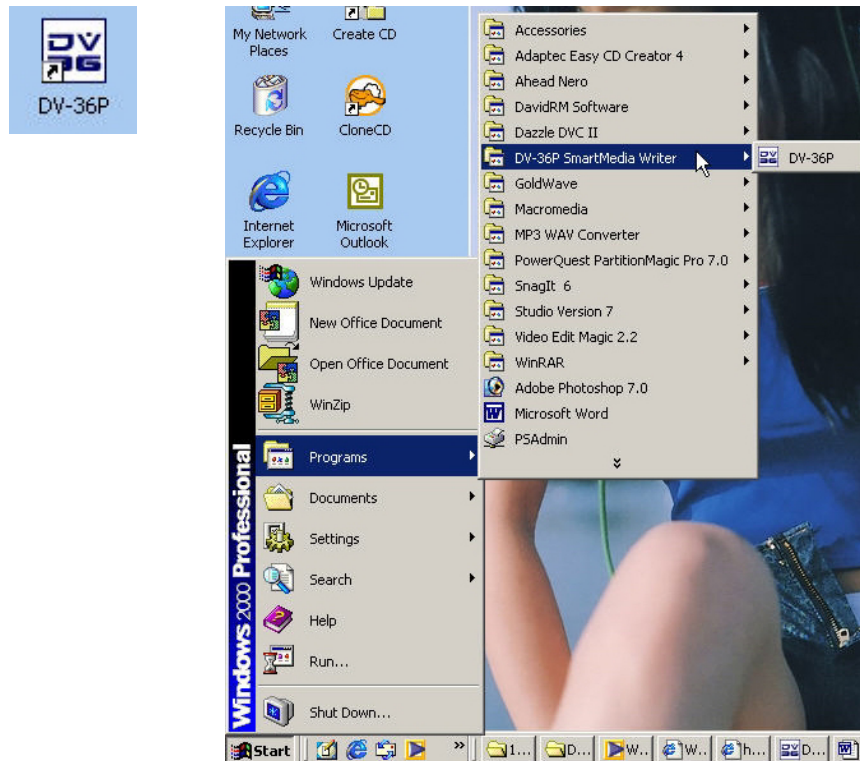
**3**

# **Operating The DV-36P**

## Chapter 3 - Operating The DV-36P

### Start the DV-36P Software

Click Start, then Programs on the desktop or click on the Desktop icon to start up the DV-36P Smart Media Writer.

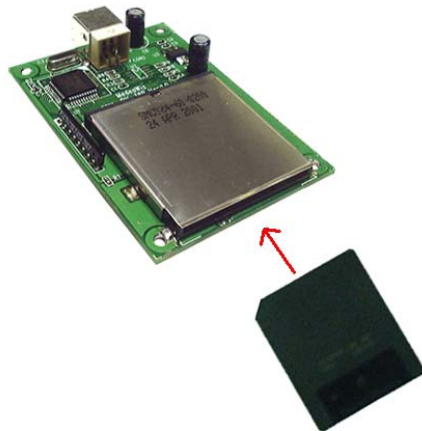


**Note:** If you are using Windows 2000/XP, you may need to expand the program groups by clicking on the down arrow in the list in order to see the “DV-36P SmartMedia Writer” program group.

## Chapter 3 - Operating The DV-36P

### Insert Smart Media Card into DV-36P

Insert a certified Smart Media Card with the gold pad facing down. Insert the edge with the cut off corner is inserted first.

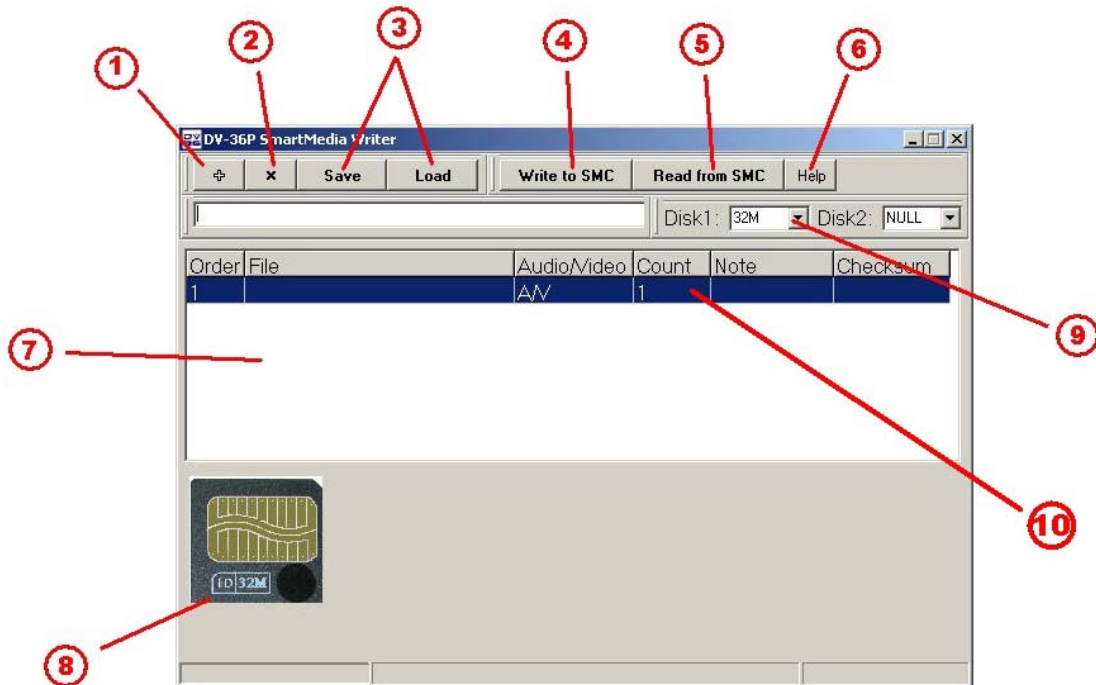


**Note:** *If you have inserted the card correctly, you should be able to see the card info in the open program window as shown on the picture.*



## Chapter 3 - Operating The DV-36P

### Introduction to DV-36P Software User Interface



- 1 Add a track to the project window.
- 2 Remove the selected track from the project window.
- 3 Save current project to a file or load an existing project from a file
- 4 Initiates the writing process to the Smart Media Card. The program will erase any existing content on the Smart Media Card and write the new tracks.
- 5 Read tracks from the Smart Media Card with an option to save the tracks to the computer.
- 6 Displays the Help window.

## Chapter 3 - Operating The DV-36P

- 7 Project Window: Displays the current list of tracks that you have created. You can click the edit box under the “File” tab to insert file to each track.
- 8 Shows the status of DV-36P and Smart Media Card info.
- 9 Shows a list of supported Smart Media Card sizes.
- 10 Count: Controls the number of times to repeat a track, and programs the first track to loop.

## Add/Delete Tracks

### Step 1: Add/Delete Tracks to The Project

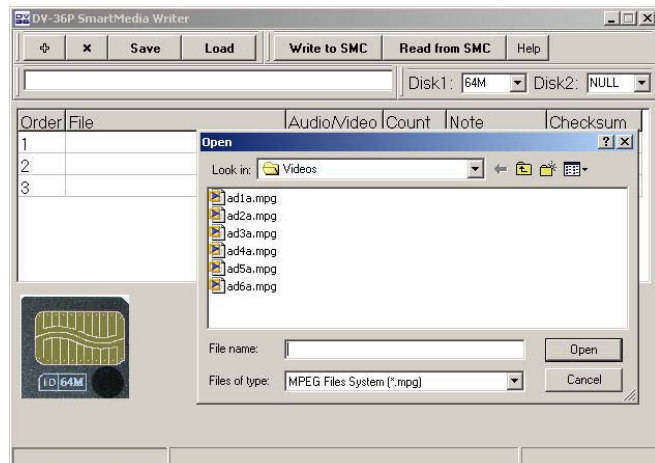
Click the “+” button to add a track to the project. To remove a track, click the edit box below the tab “Order” to select the entire track and click “x.”

1. Add as many tracks as desired up to 255 maximum.

### Step 2: Add File to Each Track

1. In the project window, double-click the edit box under the “File” tab and the “Open File” window will appear. Select the file that you want to add to that track and click “Open.”

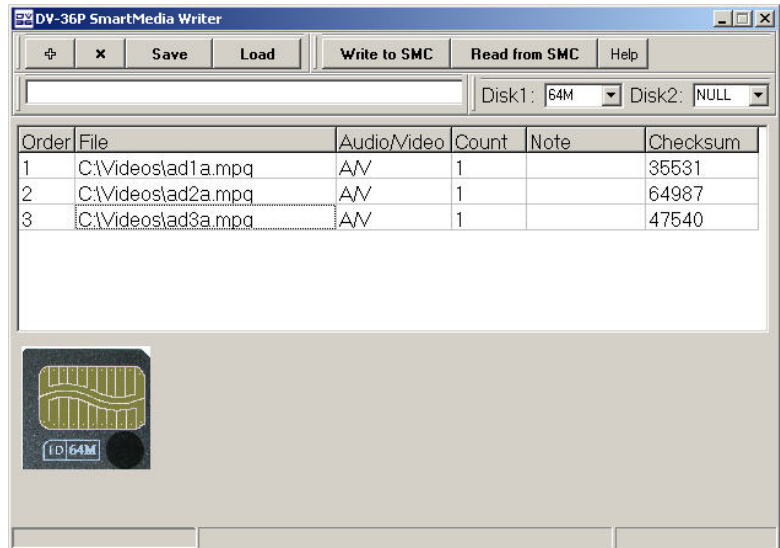
**Note:** The filename of the video clip can only be 8 characters long.



## Chapter 3 - Operating The DV-36P

- 1 Add a file to each track that has been created, and delete tracks if necessary.

**Note:** To put JPEG image file to a track, rename the file with “.mpg” extension, and add it to the track.



## Save/Load Project

Save the current project into a project file, and it can be loaded later to write to a Smart Media Card.

### Save a Project

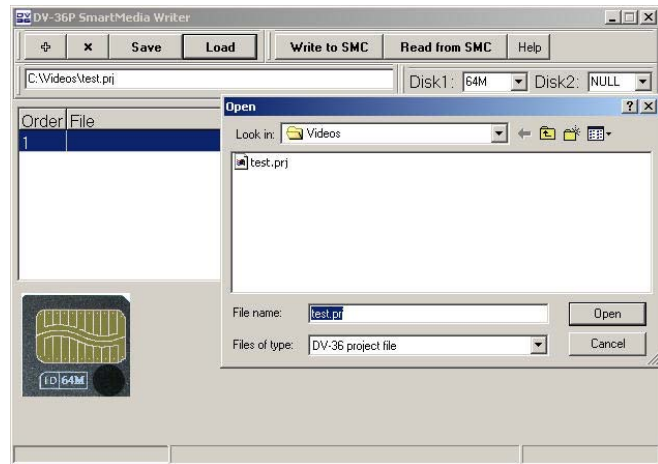
- 1 Click the “Save” button to bring up the “Save As...” window.
- 2 In the “Filename” box, enter the name of the project and click **Save**.



## Chapter 3 - Operating The DV-36P

### Load a Project

- 1 Click the “Load” button to bring up the “Open File” window.
- 2 Browse to the directory where the project file is saved. Select the project file that you would like to open and click **Open**.



**Note:** Save any existing project first. Loading a new project will replace any existing project.

## Control Looping and Repetition of Tracks

Set the first track to be a looping track, and control the number of times to repeat a track.

### Set the First Track to Be a Looping Track

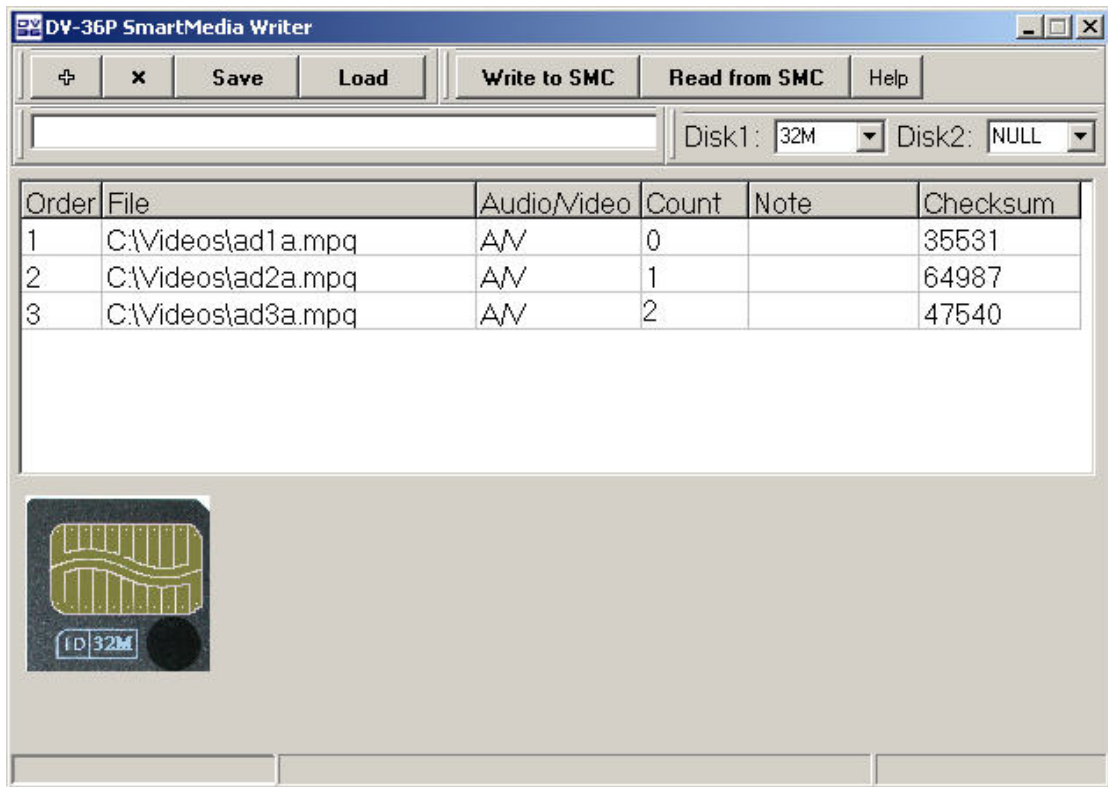
Only the first track on the Smart Media Card can be set as a looping track. Once the first track has been set as a looping track, DV-36 players will play only the first track unless the user makes a track selection. Enter “0” in the edit box under the “Count” tab in the main window for the first track, and it will act as a looping track.

## Chapter 3 - Operating The DV-36P

### Set the Number of Times to Repeat a Track

Control the number of times to repeat a track by entering a number in the box under the “Count” tab. For example, “2” will cause the track to play twice, and “3” will cause the track to play three times. If the track is a JPEG file, the number in the “Count” column will control the number of seconds the image will display.

#### Example:



**Note:** In the example above, track 1 will act as a looping track so the DV-36 players will play it continuously. Track 2 and 3 will only play when the user makes a track selection, and track 2 will play once and track 3 will play twice. If you have a 1 second video clip, you can make it play for 5 seconds by putting a 5 in the “Count” column.

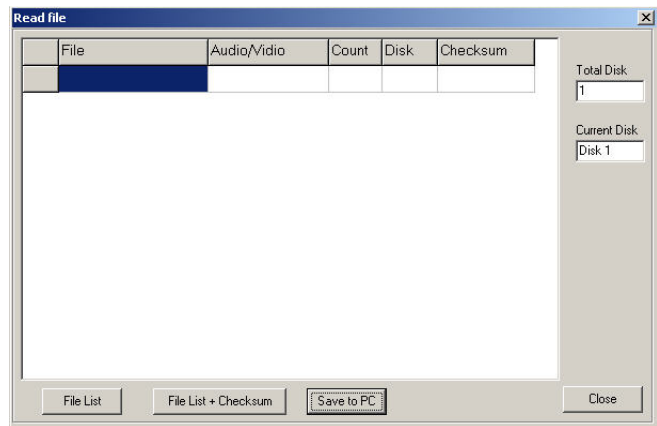
## Chapter 3 - Operating The DV-36P

### Read/Write Smart Media Card

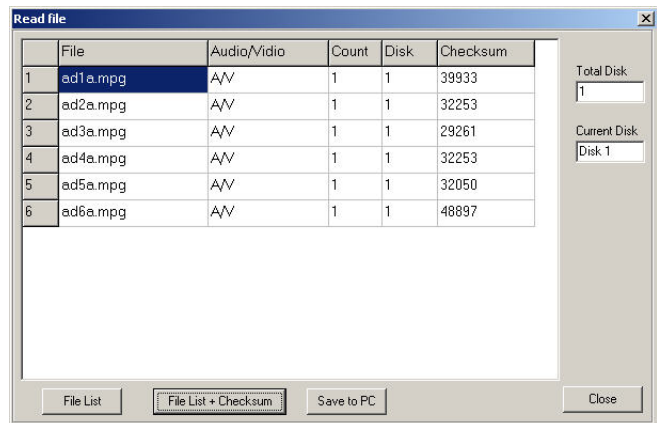
#### Read from Smart Media Card

You can read contents from the Smart Media Card using two methods. The first one only gives you a list of files, and the second one provides a checksum of each file.

- 1 Click the “Read from SMC” button on the user interface, and the “Read File” window will appear.



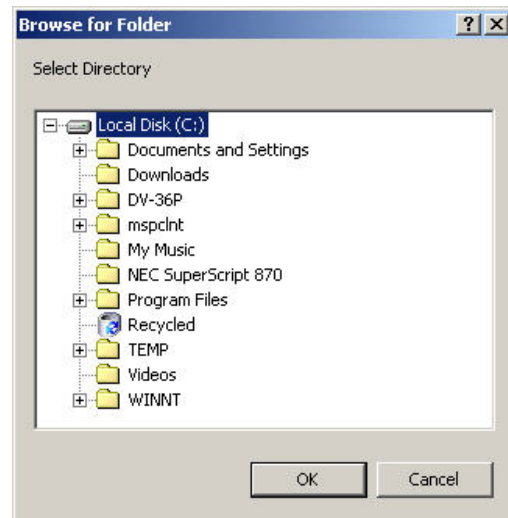
- 2 To get a list of files on the Smart Media Card, click “File List” button, or you can get a list of files along with their checksums with the “File List + Checksum” button.



## Chapter 3 - Operating The DV-36P

**Note:** To save the tracks from the smart media card to the computer, click the “Save to PC” button. The “Browse for Folder” window will appear, and you can select which folder you would like to save the files to.

**Caution:** The files will be saved in bit-to-bit format and it will not be readable in Windows. These files also cannot be reprogrammed to the Smart Media Card and played on the DV-36 players. You must have a software that can decode bit-to-bit format files to read these files.



### Write to Smart Media Card

Each time you write to the Smart Media Card, the current contents of the card will be automatically erased and the card is reformatted. Thus it is important that you save the contents in the card before you write again. See “Read from Smart Media Card” on page 18 to find out how to save contents of the card to the computer.

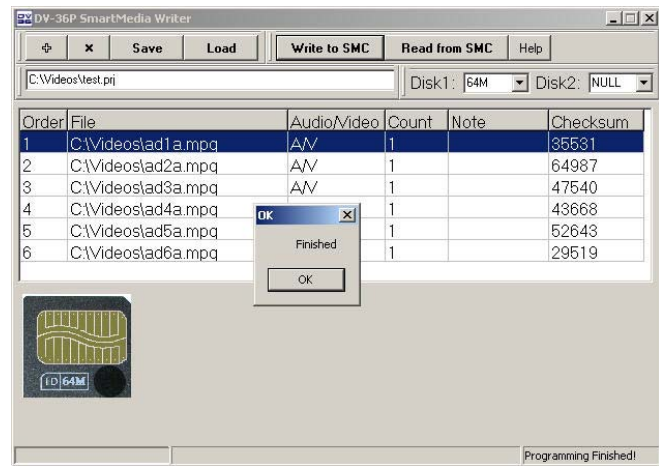
- 1 With the tracks set up, click the “Write to SMC” button to begin the writing process.

**Note:** The program will erase the disk first, and write the tracks to the card.



## Chapter 3 - Operating The DV-36P

- 2 When the write process is finished, a notify window appears. Click "OK" to finish the writing process.



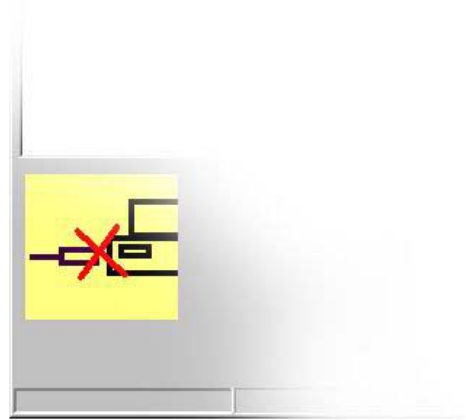
- 3 Eject the card by pressing in. The card will eject automatically.

## Chapter 3 - Operating The DV-36P

### Additional Information for Using The DV-36P Software

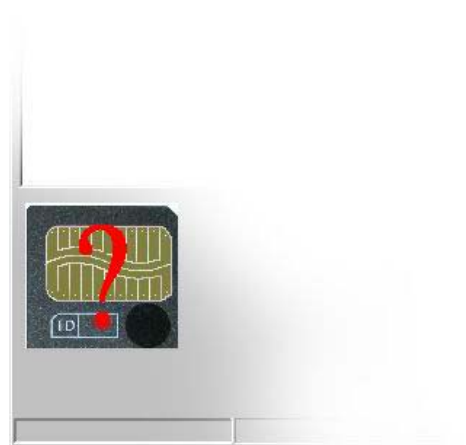
#### Tip 1:

If you see this picture on the DV-36P software, it means that DV-36P has not been connected properly or the USB driver has not been installed correctly. The DV-36P software cannot detect the DV-36P device. Go to page 4 to see the installation instructions for the USB driver or check the USB connection.



#### Tip 2:


If you see this picture on the DV-36P software, it means that the DV-36P cannot detect the Smart Media Card type. Insert a certified Smart Media Card into the DV-36P Device or check that you have inserted the card correctly.




## Troubleshooting

### General Troubleshooting


The DV-36P software shows a question mark picture after I inserted my Smart Media Card...


 **Smart Media Card.** Make sure that you have inserted the certified Smart Media Card correctly into the DV-36P, and the card is error-free.


The DV-36P software crashed during the formatting or writing process...


 **Operating system.** If you are using Windows 2000/XP, try restarting the computer or reinstalling the USB driver and the DV-36P SmartMedia Writer software. Close any programs that are running.

The DV-36P software shows a disconnected picture/cannot find my DV-36P device...

 **USB connection.** Make sure that the DV-36P is connected to an available USB port on the computer.

 **USB support.** Make sure that the computer supports USB devices and it is properly configured in the operating system.

 **USB driver installation.** Make sure that you have installed the USB driver correctly onto the computer. For detailed instructions on how to do so, go to page 4.

 **Hardware.** Check the device manager in Windows and make sure that you see “Cypress EZ-USB (2131Q/21315/21355) EEPROM missing” is installed correctly under “Universal Serial Bus controllers.”



## **Chapter 4 - Troubleshooting**

### **Frequently Asked Questions (FAQ)**

#### **How do I program my Smart Media Card?**

Insert a Smart Media Card into the DV-36P device, and use the DV-36P SmartMedia Writer to program. (See page 10)

#### **How do I read the contents of my Smart Media Card?**

Click the “Read from SMC” button in the DV-36P software and you can either read only a list of files or a list of files with their checksums. (See page 18)

#### **How do I save the contents of my Smart Media Card to my computer?**

Click the “Read from SMC” button in the DV-36P SmartMedia Writer and you can click the “Save to PC” button to browse to which folder that you would like to save the contents. (See page 18)

#### **How do I add/delete tracks?**

Click the “+” or “-” button in the DV-36P SmartMedia Writer and you can add/delete tracks easily. (See page 14)

#### **How do I Save/Load a project?**

Click the “Save” and “Load” button in the DV-36P software and you can save/load a project. (See page 15)

#### **How do I put my video clips to a Smart Media Card and play on DV-36 players?**

Put the video clips with extension “.mpg” onto the Smart Media Card with DV-36P, and make sure that the video clips follow the MPEG-1 VCD standard.

#### **How do I erase the contents of my Smart Media Card?**

During each writing process the Smart Media Card will be reformatted, and the contents on it will be erased automatically.



## Chapter 4 - Troubleshooting

### In-depth Technical Questions

**What sizes of Smart Media Card can I use with DV-36P?**

DV-36P currently supports up to 128 MB Smart Media Card.

**What is the video and audio formats that I should use in my video clips for DV-36 players?**

The video format for DV-36 players should be MPEG-1 352x240 1,150 kbps, and the audio format should be MPEG-1 Stereo 44100 Hz 224 kbps. This format is also called the MPEG-1 VCD format.



## Chapter 4 - Troubleshooting

### Additional Video Playing Questions

#### The video plays slow and jumpy on my DV-3664...

Check the video format of the video clip. It must be MPEG-1 VCD format with video encoding settings of 352 x 240 & 1,150 kbps.

The video will play slow and jumpy if you have any settings higher than MPEG-1 VCD during the creation of the video clip.

#### The audio plays unclear and jumpy on the DV-3664...

Check the audio encoding format.

If the audio format is correct, (MPEG-1 Stereo 44100 Hz, 224 kbps), and it plays unclear and jumpy on the DV-3664.

1. Record the audio from the source in a separate audio file with CD-quality settings.
2. Encode the video file and audio file together in MPEG-1 VCD format in a ".mpg" file.
3. Using the DV-36P, record the ".mpg" file to the SMC.

Generally speaking, the audio, although in the right format, plays unclear and jumpy because its original source is other than CD-quality. If the video clip is captured from a source, you will need to record the audio separately with CD-quality settings, then follow the steps above.



## **Chapter 4 - Troubleshooting**

### **Care and Maintenance**

DV-36P likes to stay in a place that is cool and dry, as far away from excessive sunshine as possible. Keep the DV-36104 away from high humidity and water.

Humidity may affect the electrical components within DV-36P so it is always important to protect it from contact with water and store it in a dry place.

Every effort has been taken to make the DV-36P as rugged as possible; however, it is always prudent to protect the unit from damage due to impact.

Appendix  
**A**

# Specifications

## Specifications

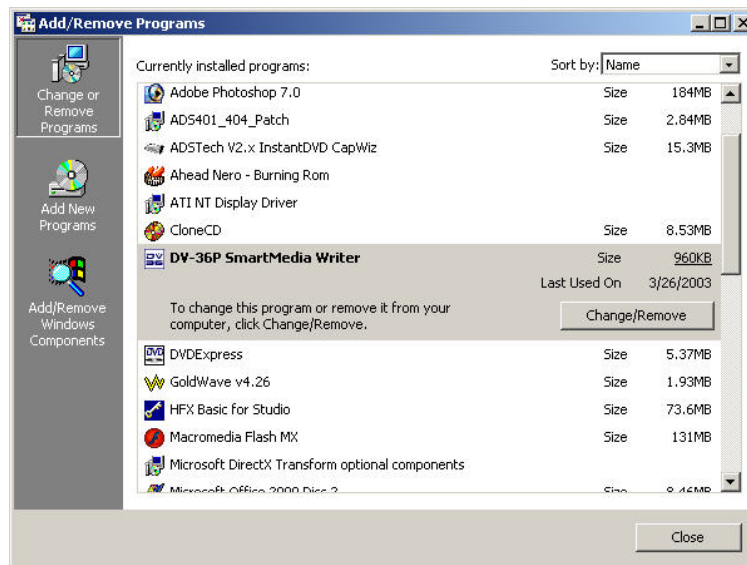
System Type	Smart Media Card Programmer
Dimension	3.3"(L) x 2.25"(W) x 0.25"(H)
Media	Certified Smart Media Card (Max. up to 128 MB)
Connection Type	Universal Serial Bus (USB 1.0)

## Appendix

# B

## Uninstalling the DV-36P Software

- 1 Go to “Control Panel.”
- 2 Go to “Add/Remove Programs”
- 3 In the list of “Currently Installed Programs,” select “DV-36P SmartMedia Writer.”



- 4 Click “Change/Remove” and follow through the un-installation process.



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