DIAMOND
MULTIMEDIA

Motion Video Player 2000 Series

HARDWARE MPEG DAUGHTERCARD FOR STEALTH 64 3240XL/3400XL

USER'S MANUAL

Motion Video Player 2000 Series- Users Manual
Hardware MPEG Daughtercard

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Introduction

Installation

The Diamond Motion Video Player 2000 Series User's Guide will help you through the installation of the MPEG daughtercard. Please take a few moments to read through this manual and become more familiar with the Motion Video Player 2000 Series daughtercard before installing the card.

System Compatibility

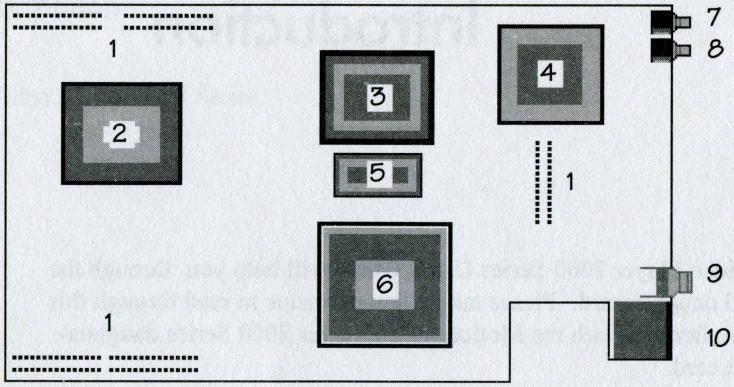
The Motion Video Player daughtercard is designed to work the Stealth 64 Video VRAM, Stealth64 Video 3240, and Stealth64 Video 3400. The Motion Video Player card attaches to the back of these cards through a series of 5 connectors.

The Motion Video Player daughtercard has been thoroughly tested to perform in various 100% compatible PCI configurations. However, because of the variety of systems and configurations available today, Diamond Multimedia Systems, Inc. cannot be held responsible for any incompatibilities that may occur between your system and the Motion Video Player.

◆ Note: For the remainder of this document, the Motion Video Player 2000 Series daughtercard will be referred to as simply the Motion Video Player.

◆ Note: The Stealth64 Video 3200 is NOT upgradable to the Motion Video Player daughtercard. If you currently own a Stealth64 Video 3200, please consult your dealer

◆ Note: The Stealth 64 Video VRAM, Stealth64 Video 3240, and Stealth64 Video 3400 multimedia accelerators will be referred to as the Stealth 64 Video VRAM for the remainder of this document.



Motion Video Player 2000 Series Card Layout:

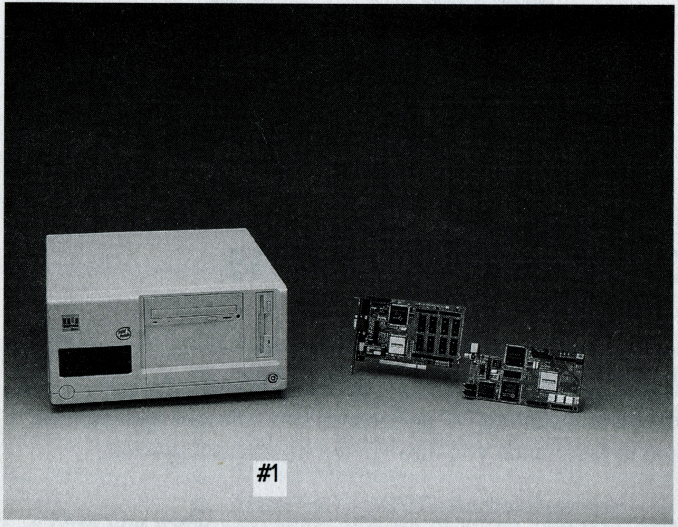
1 Headers for Motion Video Player 2000 Series daughtercard and VRAM Memory Module
2. S3 VisionVA Chip - Scalar and Formatter
3. C-Cube CL450 - MPEG Video Decoder
4. Philips - Video Input Decoder
5. DRAM Memory
6. TI AV110 - MPEG Audio Decoder
7. Audio Input from VCR
8. Audio Output to speakers or sound card
9. Video Input from VCR
10 S-VHS Input - For PAL

Chapter 1

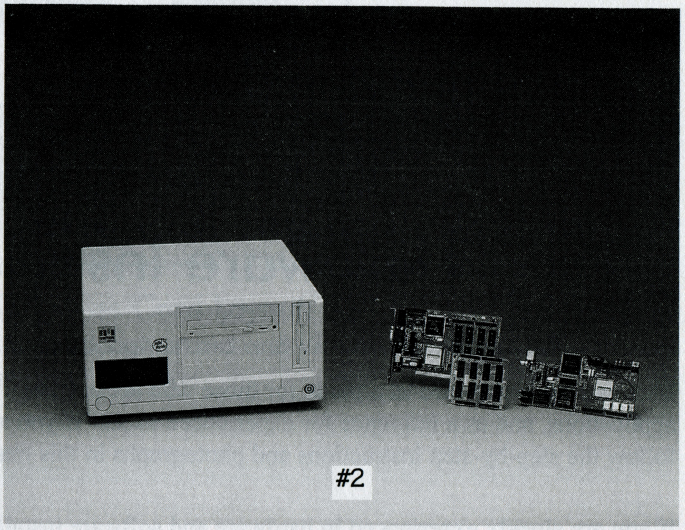
Hardware Installation Instructions

This manual is intended as a guide for those who are not familiar with the installation of PC peripherals and software applications, and as a reference for experienced users. If you are new to installing PC peripherals and software applications, follow the step-by-step instructions and photographs in this manual to help guide you through the installation process.

If you are already experienced in hardware and software installation, you may prefer to use this guide only when you need a more detailed explanation about specific steps in the installation process. If you still have questions after using this manual, you may need to seek assistance from Diamond Technical Support, or consult your dealer or computer operations guide.



#1



#2

◆ Note:

#1 Shows the cards without the 2MB memory upgrade.

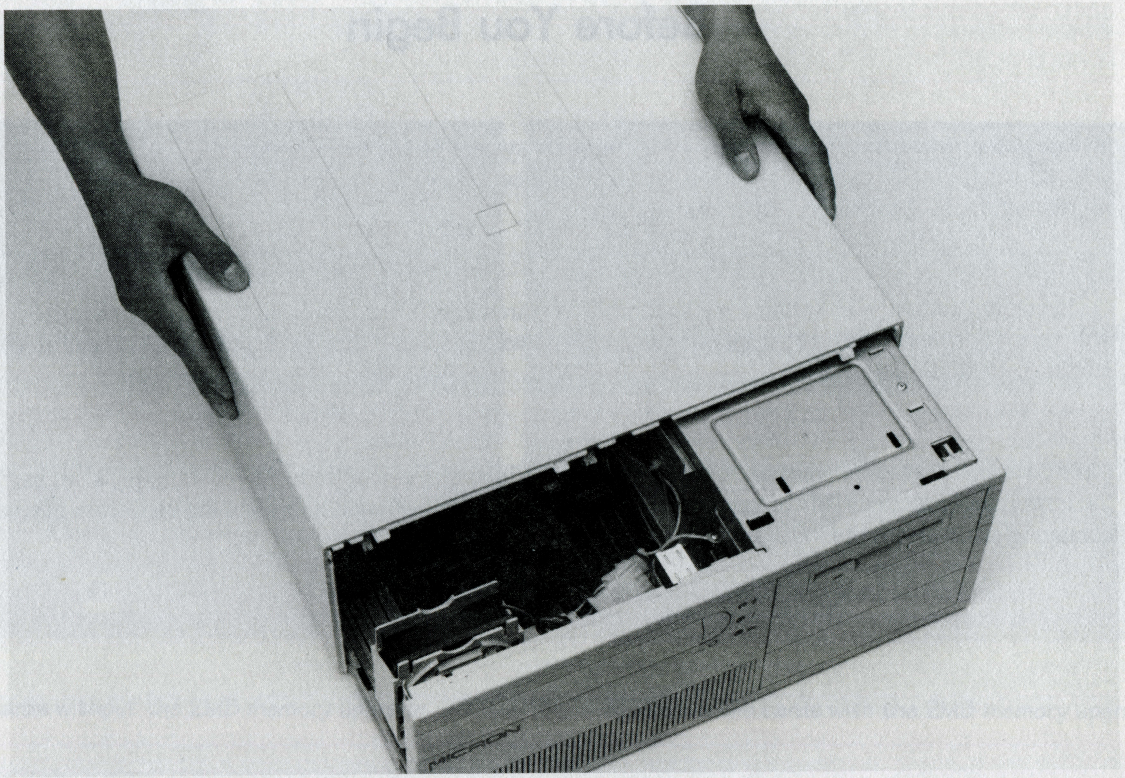
#2 Shows the cards with the 2MB memory upgrade.

Before You Begin

Step 1. Before you proceed further, make sure your computer system meets the minimum requirements listed on the packaging. If you are not sure whether your system meets the minimum requirements, contact your dealer prior to unpacking the Motion Video Player components.

Step 2. Once you are certain your system meets all of the requirements, prepare a clean workspace, and gather the tools you will need. For installation of the kit components, you will need a phillips head and / or a flathead screwdriver, and a container to hold loose screws.

Step 3. Carefully unpack the box contents. Leave the Motion Video Player card in its silver static-resistant bag until later in the installation process. This protective bag has been specially designed to protect the card from potentially damaging static electricity.



Prepare your Computer

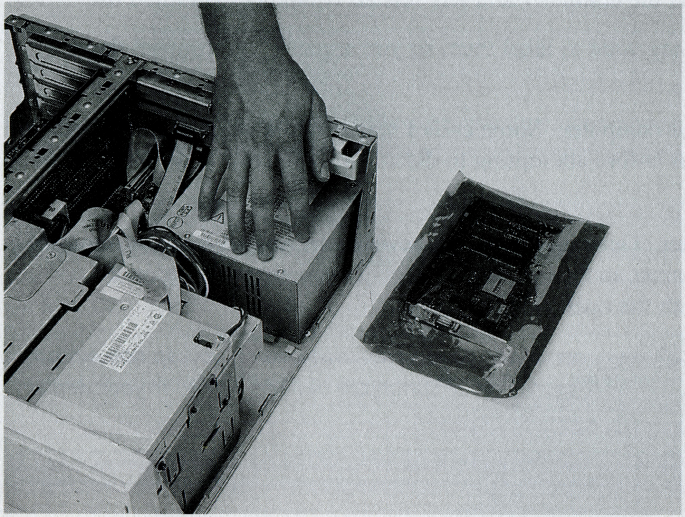
Step 1. Prior to working on your computer, make sure the power to the computer and any related equipment is turned off.

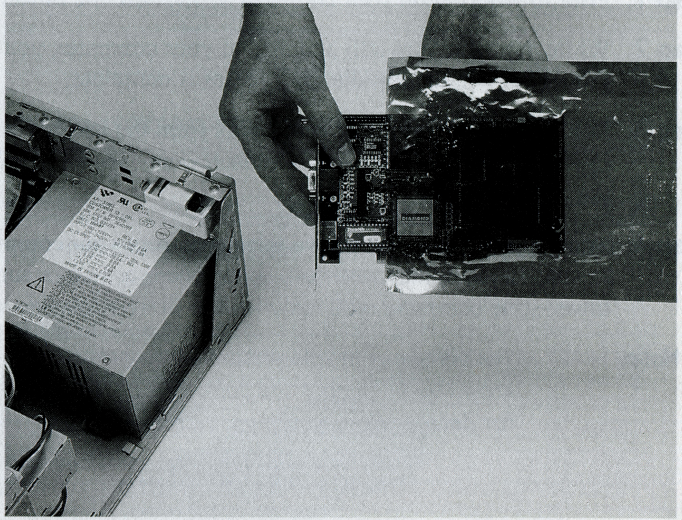
Step 2. While the cables are still attached to your computer, you may want to label them so you are sure to reconnect them properly when the installation process is complete.

Step 3. Disconnect all cables and connectors from the back of your computer. Some cables may be attached to their connectors by small screws. Make sure to unscrew any secured cables before attempting to disconnect the cable from the back of the computer.

Step 4. You are now ready to remove the cover from your computer. Generally, there are several screws that must be removed to take the computer cover off. Place the screws in a container so they do not get lost. If you are working on a tower-style computer, you may want to lie it on its side with the open side facing up.

◆ **Note:** *The computer in this picture only represents one of many computer case configurations. If you do not already know how to remove the computer cover, you may want to consult your computer owner's guide, or your dealer for details about your specific machine.*



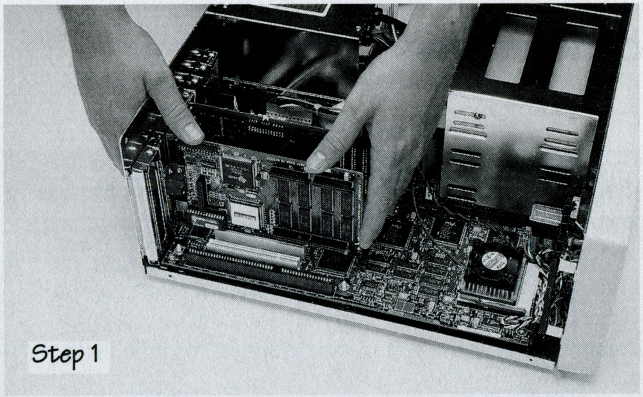


Discharge Static Electricity

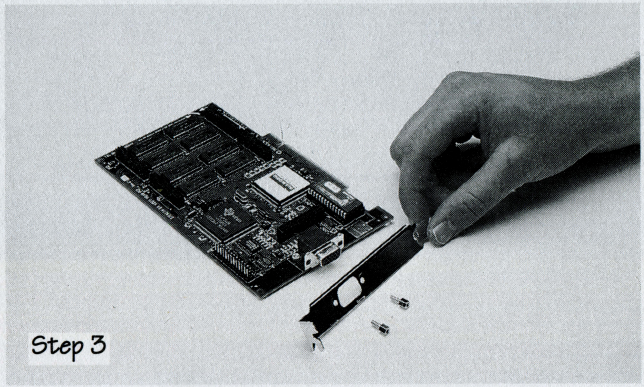
Static electricity can damage computer components and your video card. That is why we recommend keeping your Motion Video Player card in its protective bag, and why we also suggest discharging any static electricity by following these steps.

Step 1. Before removing your Motion Video Player card from its protective package, discharge any static buildup on you by touching the power supply box on your computer with the other hand. The power supply is the large metal box where the electrical cord was attached. Touching the power supply will allow you to be grounded so static electricity cannot pass through you and into the video card.

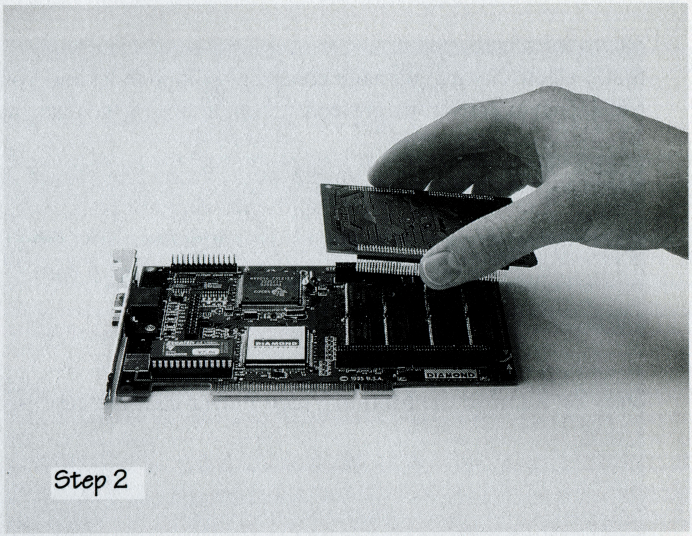
Step 2. Remove the Motion Video Player daughtercard from its anti-static bag.



Step 1



Step 3



Step 2

◆ **Note:** Step 2 applies only if you have the 2MB Memory module installed on your Stealth 64 Video VRAM.

Remove the Stealth 64 Video VRAM card

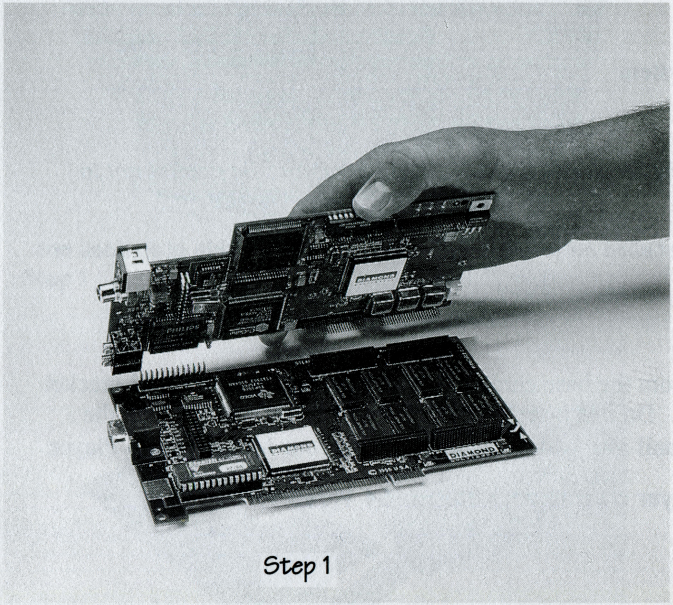
Step 1. Remove the Stealth 64 Video VRAM card from your system.

Step 2. *Now, carefully remove the 2MB Memory module from the Stealth 64 Video VRAM base card. Be careful not to pull too hard as you may damage the card.*

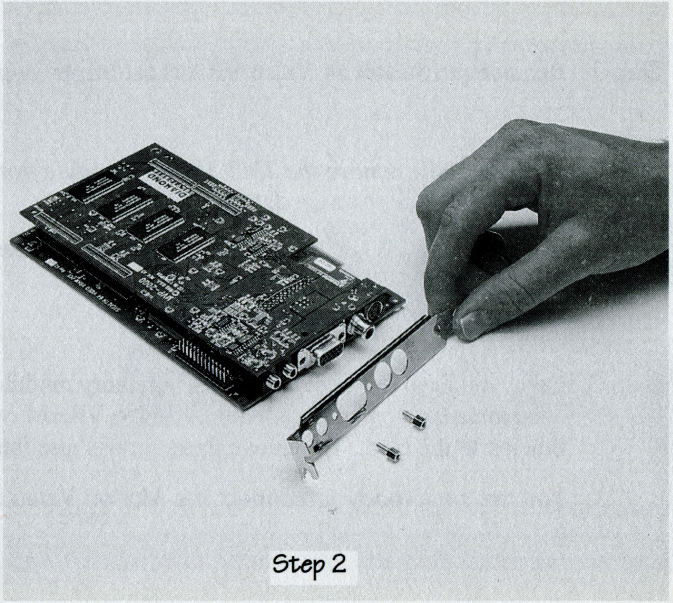
◆ Note: If you do not have the 2MB Memory module installed on your Stealth 64 Video VRAM, this step does not apply.

Step 3. Once you have removed the VRAM memory module from the base card, you must now remove the metal bracket located on the end of the Stealth 64 Video VRAM card. Do this by removing the two screws which attach the bracket to the card. To remove these screws, use the small screwdriver that came with your Motion Video Player.

You are now ready to connect the Motion Video Player card to your Stealth 64 Video VRAM.



Step 1

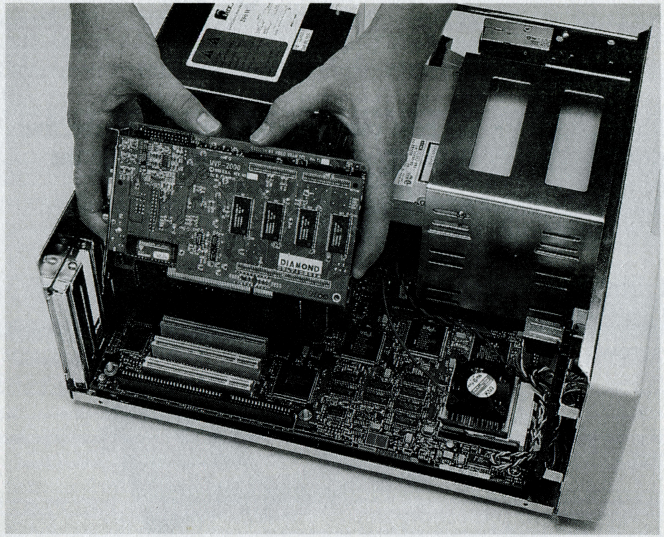


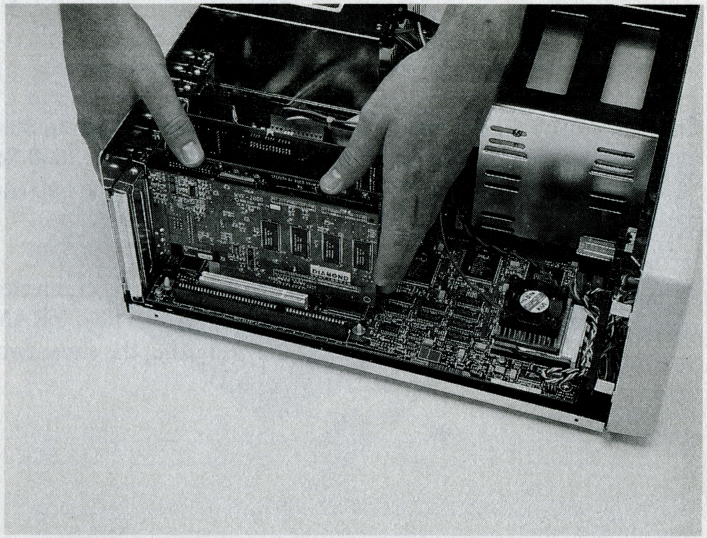
Step 2

Connect the Motion Video Player 2000 Series Daughtercard

Step 1. Attach the Motion Video Player daughtercard to the Stealth 64 Video VRAM base card. Do this by aligning the five (5) male connectors of the Motion Video Player 2000 Series daughtercard to the five (5) female connectors on the Stealth 64 Video VRAM. DO NOT FORCE the two cards together as this may damage the cards.

Step 2. Once the Motion Video Player daughtercard is connected firmly into the Stealth 64 Video VRAM, you should now attach the metal bracket to your Stealth 64 Video VRAM card. This new bracket is included with your Motion Video Player kit. Attach the bracket using the same two screws you had previously removed.





Install the Stealth 64 Video VRAM and Motion Video Player cards

Step 1. Take a moment to familiarize yourself with the Stealth 64 Video VRAM base card with it's new daughtercard attachment. On one long edge (the width) of the video card you will notice several small metal connectors lined up beside one another that look similar to a comb. These are the connectors that will fit into the expansion slot. You should notice on the other edge (the length) of the card the wide metal bracket you attached in the previous step. This connector will eventually face the outside of the computer, through the expansion slot cover you choose.

Step 2. The video card can only fit into the slot, correctly, one way. Be careful not to force it into the slot.

Step 3. With your fingers on the top edge of the card, place it gently into the expansion slot, as shown in the picture. The comb-like connectors should be on the bottom edge of the card that will be inserted into the expansion slot. When you are sure the card is in the correct position, gently push it into place. Some cards will fit into the slot snugly and will take more pressure to seat the connectors properly in the slot. Some cards may actually snap into the slot, but make sure you do not force the card into the slot.

Step 4. Once in the slot, secure the video card by screwing its bracket into the computer chassis. Use the same screw and hole used to hold down the slot cover you have already removed.

Chapter 2

Software Drivers

The Motion Video Player comes with drivers for Windows 3 1 as well as Video for Windows runtime from Microsoft. The installation instructions in this chapter will help you with installing the drivers included on the Stealth64 Video 3000 disks.

Please follow these driver installation instructions carefully These instructions will use drive A: as the default floppy drive and drive C: as the default hard drive. Substitute the correct drive letters for your configuration.

When installing these drivers please follow these guidelines:

- We recommend using the DISKCOPY command to make working copies of the diskettes. Always remember to store the original diskettes in a safe place.
- Install Microsoft Windows 3.1 programs BEFORE installing the Stealth64 Video 3000 drivers.

Other drivers not listed here may be available from Diamond's Bulletin Board System, or from Diamond Multimedia Systems, Inc. for a small handling charge, or from their respective manufacturers.

Microsoft Windows 3.1 Drivers

This section will provide instructions on Windows 3 1 driver installation for the Stealth64 Video 3000 Series. The drivers included with the Motion Video Player willl allow the Motion Video Player to operate correctly Installation can be made from the DOS prompt or from within the Windows Program Manager.

Installing the Windows 3.1 Drivers from DOS

Step 1. Insert the Stealth64 Video 3000 Series Windows driver disk into your floppy drive. Make this drive the currently logged drive and execute the INSTALL program. For example:
A. <Enter>
INSTALL <Enter>

Step 2. The installation program will prompt for the location of Windows on the hard drive. Accept the default if correct or type in the location where Windows can be found. All necessary files will be copied to the hard disk and Windows will start up in 640x480 resolution with 256 colors.

Step 3. Windows will display the InControl Tools dialog box and request information about your monitor and the frequencies it can support. Select the monitor type you have from the pull-down list or choose User Defined Monitor to specify the frequencies your monitor supports at each resolution. Select OK to accept these choices and activate the driver.

Installing the Windows 3.1 Drivers from Windows

Step 1 Start Windows using the standard VGA driver. From the File Manager or using the "File" "Run..." pull-down command, execute the INSTALL program from the floppy drive containing the Stealth64 Video 3000 Series Windows driver disk.

Step 2. The installation program will copy all necessary files to the hard disk and Windows will restart in 640x480 resolution with 256 colors.

Step 3. Windows will display the InControl Tools dialog box and request information about your monitor and the frequencies it can support. Select the monitor type you have from the pull-down list or choose Custom Monitor Settings to specify the frequencies your monitor supports at each resolution. Select OK to accept these choices and activate the driver.

Configuring InControl Tools

Refer to the InControl Tools booklet or the InControl Tools Help file for detailed information.

Chapter 3

Connecting the Speaker Cable

The Motion Video Player comes with a shielded output cable. This cable connects the Motion Video Player daughtercard to your speakers. To install the cable, follow these steps:

If you do not have a sound card installed in your system following these steps:

Step 1. Insert one end of the audio cable (the end with the ferrite core connected) to the output port on the Motion Video Player.

Step 2. Connect the other end of the shielded cable to the output of the speakers.

If you have a sound card installed in your system do the follow these steps.

Step 1. Insert one end of the audio cable to the output port on the Motion Video Player. This should be the end with the ferrite core connected.

Step 2. Connect the other end of the shielded output cable to the the sound card.

◆ **Note:** If the ferrite clamp is not already connected to your cable, place the clamp over the cable. The clamp should be placed as close to the end of the audio cable as possible.

Chapter 4

Playing a MPEG File

To play a MPEG file, perform the following steps:

Step 1. Install the Diamond Windows 3.1 drivers which came with your Motion Video Player 2000 Series.

Step 2. Install the Video for Windows runtime.

Step 3. Change the resolution and color depth to a video playback mode supported by the Motion Video Player. (See the mode table for all supported video playback modes.)

Step 4. Open the Microsoft Media Player.

Step 5. Select the Device option.

Step 6. At this point, you may have a list with several options. These option are described on the following page:

For use with the Motion Video Player

- Overlay - Diamond
- MPEG Video - Diamond
- CD-MPEG Video - Diamond

With Media Player after installing Video for Windows runtime

- Video for Windows

Others

- If you have installed other video or sound drivers, you will have additional selections to choose from. These drivers will not be necessary when using the Motion Video Player 2000 Series product.

Step 7. To play a MPEG file, select the 'MPEG Video - Diamond' option.

Step 8. Within the Open dialog box, select drive, directory, and the .MPG file you wish to play.

Step 9. From the Media Player, click on the start button.

To play a different MPEG file, close the current MPEG video box and repeat the steps described above.

◆ **Note:** *To enlarge the image to full screen, click on the maximize button in the upper right-hand corner of the video window.*

You can also configure the video controls for your MPEG playback. To do this, perform the following steps:

Step 1. Select the Device option from Media Player.

Step 2. Select Configure.

Step 3. From here, you can change the Hue, Saturation, or Brightness of your video. If you wish to return to the default values, click on the Default button.

Playing a VideoCD or CD-i CD-ROM

To play a VideoCD or CD-i CD-ROM, follow these steps:

Step 1. Insert the VideoCD or CD-i CD-ROM into your CD-ROM drive.

Step 2. Close any Media Player applications you may have open.

Step 3. Open a new session of the Media Player. Select the Device option from the menu.

Step 4. At this point, the CD-ROM will be queried to determine if you have a valid CD-i or CD-V CD-ROM in your drive.

Step 5. Select the 'CD-MPEG Video - Diamond' option. If you do not have this option, see the section on Video Playback Question for possible solutions.

Step 6. Your CD-i or CD-V CD-ROM should automatically begin playing.

Playing Live Video

To play live video, perform the following steps:

Step 1. Connect the output of your video source to the proper input on the Motion Video Player daughtercard. See the drawing in Chapter 1 for the inputs on the Motion Video Player card.

Step 2. Follow steps 1-6 in the 'Playing a MPEG File' section.

Step 3. Select the 'Overlay - Diamond' option.

Step 4. You should now be viewing the live video from your VCR, camcorder, or other video source.

◆ **Note:** *You can also configure the video controls when viewing live video. This is done in the same manner as was described in the section above.*

Capturing Live Video

To capture live video, perform the following steps:

Step 1 Follow steps 1-6 in the 'Playing a MPEG File' section.

Step 2 Select the 'Overlay - Diamond' option. You should now have live video in your window.

Step 3. To capture live video, use the capture utility which is provided with your Motion Video Player.

Chapter 5

Technical Information

System Requirements:	The Motion Video Player 2000 Series requires a Stealth 64 Video VRAM, Stealth64 Video 3240, or a Stealth64 Video 3400. The Motion Video Player will not work with a Stealth64 Video 3200.
Standard RAM Configuration:	Motion Video Player 2000 - 0 MB VRAM Installed Motion Video Player 2200 - 2 MB VRAM Installed
Miscellaneous:	Operates at approx. 3 Watts
Temperature:	Operates from 0° to 50° degrees C
Humidity·	15% to 90%
Air Flow:	200 linear feet per minute (1.01 lms)
Warranty:	5-Year limited warranty· Technical Support and 24-hour Bulletin Board System
	Specifications are subject to change without notice.

Supported Video Playback Modes for the Motion Video Player 2000 Series

Resolution	Color Depth	43i	56	60	66	70	72	75	80	90	100	120
640x480	256			2MB			2MB	2MB		2MB	2MB	2MB
	65K			2MB			2MB	2MB		2MB	2MB	2MB
	16M			2MB			2MB	2MB		2MB	2MB	2MB
800x600	256		2MB	2MB			2MB	2MB		2MB	2MB	2MB
	65K		2MB	2MB			2MB	2MB		2MB	2MB	2MB
	16M		2MB	2MB			2MB	2MB		2MB	2MB	2MB
1024x768	256	2MB		2MB		2MB	2MB	2MB	2MB		2MB	2MB
	65K	2MB		2MB		2MB	2MB	2MB	2MB		2MB	2MB
	16M	4MB		2MB		2MB	2MB	2MB	2MB			
1280x1024	256	2MB		2MB			2MB	2MB		2MB		
	65K	2MB		2MB			2MB	2MB		2MB		

Chapter 6

Getting Help

This section will assist with difficulties during installation or when needing some help in diagnosing your system configuration with the Motion Video Player. There are a couple of good reasons why this section is important to read thoroughly First, it will help you spot trouble areas and solve them BEFORE you have to call technical support. Secondly, this section may help you isolate the problem and as a result, technical support should be able to assist you more efficiently and effectively.

For each of these solutions you should remember the following:

Step 1. When there are several possible solutions given, you may need to try each solution one at a time, rebooting the machine for each correction, until your Motion Video Player works properly.

Step 2. Do not remove any peripherals from your computer while the machine is on.

Step 3. If a problem occurs, there may be instances where you are directed to remove another hardware adapter, change a GO'95 or software setting, or make other changes to your system. This will help to isolate the compatibility conflict. If your system responds successfully, you will know where the conflict occurs.

This section does not pretend to be the absolute authority concerning your system's configuration, or its interaction with the Motion Video Player. It presumes that you are familiar with your PC and its configuration. You should have your system's technical reference guides handy, or have your dealer assist you.

General Questions

Question: How do I tell if I have a Motion Video Player 2000 Series card installed?

Answer: You an determine if you have a Motion Video Player 2000 Series card installed by opening the Media Player application and verifying that there are entries which refer to Diamond specifically. Note that you must have the latest Windows 3.1 drivers from Diamond installed or the software may not recognize the Motion Video Player correctly.

Question: What is MPEG?

Answer: MPEG (Moving Picture Expert's Group) is the motion picture broadcast quality video standard.

Question: What is VideoCD and CD-i?

Answer: VideoCD and CD-i are CD-ROM formats specifically designed for MPEG formats.

Question: How do I get the latest drivers for the Motion Video Player?

Answer: Dial our Bulletin Board System, at (408) 325-7080 (up to 2400 Baud) or (408) 325-7175 (up to 28800 baud), to download them, or call Diamond Technical Support. To access the national electronic services (e.g CompuServe or America OnLine), see Fast Track to Technical Support on next to the Table of Contents) for other information.

Installation Questions

Question: I booted up my PC and nothing happens, I do not get video, or when I boot my machine I get beeps.

Answer:

1. Make sure the Stealth64 Video VRAM is seated properly in its expansion slot.
2. Make sure your monitor cable is securely fastened to the Stealth64 Video VRAM.
3. Make sure your monitor cable has the proper pinout configuration. It should be able to work with a standard IBM VGA DB-15 analog graphics adapter. Check your monitor cable's pinouts with the pinout information given in this chapter.
4. Check to see if your monitor is getting power. You should double check the electrical cable and the power switch.
5. Try installing the Stealth64 Video VRAM in a different PCI slot of the same type. This will verify that the slot is functioning correctly Also, insure that the Stealth64 Video VRAM is actually installed in the correct type of slot.
6. Check if there is another display adapter in your system. If there is, remove it and try rebooting the system.
7. Check if your system has built in video on the motherboard. You should disable it. Your system user guide or dealer may be able to assist you.

8. Check if your computer system is compatible with the IBM VGA standard. Some "compatible" computers do not permit VGA graphics cards to operate in them.
9. Remove your Stealth64 Video VRAM from its expansion slot and clean the edge connector with a soft eraser or clean dry cloth to remove any foreign matter such as natural oil from your hands. Do not rub the edge connector too hard.
10. If possible, try the Stealth64 Video VRAM in another machine. If the Stealth64 Video VRAM works properly in another computer, then there is a conflict between your system's configuration (hardware, software or other item) and the Stealth64 Video VRAM. You will need to try to isolate the problem further by reconfiguring your system until you can find the cause of the problem.
11 Check other cards in your system that might be using the same address space. Possible culprits are network cards, hard drive cards and scanner cards.
12. Remove the Motion Video Player 2000 Series daughtercard from your Stealth64 Video 3240/3400 adapter, and retry

Video Playback Questions

Question: Do I need any special hardware to playback my CD-i or CD-V CD-ROM?

Answer: Yes. Your CD-ROM drive, firmware, and drivers must comply with the Green Book or White Book specification to view CD-i or VideoCD encoded files, respectively You should directly contact your CD-ROM manufacturer on this topic.

Question: When opening Media Player, you get the following error:

"There are no MCI device drivers installed on your system. Use the Drivers option in Control Panel to install MCI device drivers."

Answer: Some of the critical files necessary to play .AVI files are missing or have not yet been installed.

1. Reinstall the Video for Windows runtime and re-try.
2. Insure that you have the installed the latest Windows 3.1 drivers from Diamond.
3. Insure that you are using a mode which is supported by the Motion Video Player. If you are not, lower the resolution and/or color depth to a supported mode.

Question: When opening Media Player, you get the following error·

"File Error· Cannot find STLTHMVP.DLL"

Answer· The correct Diamond Windows 3 1 drivers for use with the Motion Video Player 2000 Series have not been installed. Install the latest Diamond Windows 3 1 drivers and proceed from there.

Question: I open Media Player and select the Diamond MPEG option. After selecting a MPEG file, the video stops or pauses periodically.

Answer: There are several reasons why the MPEG video does not play correctly. Make sure you verify the following items:

1. Insure that the Video for Windows runtime has been installed.
2. Insure that the latest Diamond Windows 3 1 drivers have been installed.
3. Check your system resources under Windows 3 1. You may not have enough system resources, and need to close some applications.

Question: I open Media Player and cannot find an option to play my VideoCD or CD-i CD-ROM?

Answer: There are several reasons why your system may fail to recognize your CD-i or CD-V CD-ROM. Verify the following items:

1. Insure that the CD-i or CD-V CD-ROM is properly installed in your CD-ROM drive.
2. When Media Player starts, the Diamond driver will seek the CD-ROM drive for a valid CD-i / CD-V CD-ROM. If you have Media Player open when you install your CD-ROM, close the Media Player application and then re-open it.
3. Insure that you have a valid CD-i or CD-V CD-ROM. You must also have this CD-ROM installed in your drive when you launch Media Player.
4. Insure that the Video for Windows runtime has been installed.
5. Insure that the latest Diamond Windows 3.1 drivers have been installed.

Question: I change the resolution through InControl Tools and I no longer get option for the Diamond MPEG Playback in Media Player.

Answer: Insure that the current resolution and color depth is a supported modes for the Motion Video Player 2000 Series. If the current mode is not supported by the Motion Video Player 2000 Series, change the resolution and/or color depth to a supported mode.

Video Capture Questions

Question: Can I capture parts of a MPEG file?

Answer: No. You can only capture a live video input.

Question: Can I capture live video and save the video in a MPEG format using the Motion Video Player 2000 Series daughtercard?

Answer: No. You can only save captured video in a .AVI file format with the Motion Video Player 2000 Series.

◆ **Note:** For additional answers to common questions, refer to your Stealth 64 Video VRAM User's Manual.

Contacting Technical Support

If you could not find an answer to your problem after going through the Troubleshooting section, you should contact Diamond's Technical Support staff.

Before you call

Please remember that the technical support staff is here to help you get your Motion Video Player card running smoothly. So when you call, please have the following information handy:

Proper name of the product· When you don't know the product's name, the Technical Support representative may have to ask you several questions to find out what it is you have. This can be time consuming for you.

The BIOS and PCB version of the product: This will help us to determine if you need a BIOS upgrade, as well as diagnose problems more quickly. The BIOS version is displayed during system boot, and is also noted on the ROM BIOS label. Also note the PCB revision of both the Motion Video Player daughtercard as well as the Stealth 64 Video multimedia accelerator you are using.

The Stealth64 Video 3000 software driver version: Like the BIOS, the Utilities and Drivers disk has programs we update from time to time. You may need the update, or we may be able to understand where the problem lies a little easier by knowing what your current version is. The version number is printed on the diskette label.

Motherboard make, BIOS version and chipset: Who makes your motherboard? Which system BIOS are you using and what is the date of the BIOS? What type of chipset does your motherboard use?

Speed and type of your computer: Tell us the processor type (i.e. 486 or Pentium) and its speed. Manufacturer and model of monitor· Just like computers, there are hundreds of various monitors in use today. Let us know what you are using. Also, PLEASE NOTE WHICH MODES ARE SUPPORTED BY YOUR MONITOR AS WELL AS THE HORIZONTAL AND VERTICAL TIMINGS SUPPORTED. This information can usually be found in the monitor manual.

Contents of your AUTOEXEC.BAT and CONFIG.SYS files: Get a printout of the files handy or write them down. Almost every caller will get asked to read back the contents of these files, or to answer questions about them.

A list of installed hardware peripherals in your machine: Have a list handy of the make, type, and models of other peripherals you are using, as well as any memory, I/O or IRQ information you can get.

A detailed description of problem: Try to answer what happened, using what software/hardware. Be as detailed as possible.

Returning A Product

If you have contacted our Technical support staff and we determine that you will need to return your product to us for warranty repair service, you will receive an RMA (Return Material Authorization) number. The following information will assist you in your warranty return:
Basic Steps to follow:

Step 1 Call the Technical Support staff to receive an RMA #.

Step 2. Package the product and return it to us with a proof of purchase, a receipt, a bill of sale, etc. Write the RMA # on outside of box where it is easily readable, and include a written note of the information we requested when you called the Technical support staff (e.g. system configuration information, AUTOEXEC.BAT and CONFIG.SYS information, etc.). Whenever possible, ship it to us in the container it came in. And always remember to include your name and return address.

Step 3. We ask that you do not personally bring a defective product to us unless you observe the following:

Package it as you would for regular shipping (see #2 above) and deliver it to our receptionist. Once your product is received it will be processed with other returned products. Without proper packaging it will get damaged. We will not accept it without proper packaging.

If you come in to drop off a product, it will be processed and returned as a normal RMA. Do not expect to be given a replacement product while you wait.

Step 5. RMA Numbers. If you return a product to us without first receiving an RMA number from our Technical support staff, we will return it. We cannot accept any returns for repair without prior approval, or proof of purchase information.

Appendix A

Appendix A: Trademarks, Copyright & Warranty

Trademarks

The Diamond Motion Video Player is a trademark of Diamond Multimedia Systems, Inc. All other products named in this manual are either trademarks or copyrights of their respective owners.

Copyright Notice

This manual is copyrighted. All rights reserved. This document may not, in whole or part, be copied, reproduced, reduced or translated by any means, either mechanical or electronic, without prior consent in writing from Diamond Multimedia Systems, Incorporated. The information in this manual has been carefully checked and is believed to be accurate. However, Diamond Multimedia Systems assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Diamond Multimedia Systems be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages.

In the interest of continued product development, Diamond Multimedia Systems reserves the right to make improvements in this manual and the products it describes at any time, without notice or obligation.

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Diamond Multimedia Systems, Incorporated
2880 Junction Avenue
San Jose, CA 95134

Diamond Motion Video Player 2000 Series Warranty

Your Motion Video Player 2000 Series daughtercard comes with a five-year hardware warranty. Diamond Multimedia Systems, Inc., (Diamond) warrants this Motion Video Player against defects in material and workmanship for a period of five years from the date of purchase from Diamond or an authorized Diamond agent. This warranty applies only to the original purchaser of the Motion Video Player daughtercard and is not transferable. This warranty does not cover any incompatibilities due to the user's computer, hardware, software or any other related system configuration in which the Motion Video Player interfaces. Proof of purchase will be required before any warranty consideration by Diamond occurs.

This warranty does not cover any damage caused by negligence, non-authorized modifications, or parts installed without prior written permission from Diamond.

This warranty does not apply if the product has been damaged by accident, abuse, misuse, or misapplication, nor as a result of service to the product by anyone other than by Diamond.

DIAMOND IS NOT RESPONSIBLE FOR ANY LOST PROFITS, LOST SAVINGS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF, OR INABILITY TO USE, THIS PRODUCT. THIS INCLUDES DAMAGE TO PROPERTY AND, TO THE EXTENT PERMITTED BY LAW, DAMAGES FOR PERSONAL INJURY THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Some states do not allow limitation of implied warranties, or exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights. You may have other rights which may vary from state to state.

This warranty applies only to this product, and is governed by the laws of the State of California.

Appendix B

Appendix B: FCC Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC I.D. # FTUMVP2A

This equipment generates and uses radio frequency energy and if not installed and used properly, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient the receiving antenna
- Relocate the computer with respect to the receiver
- Move the computer away from the receiver
- Plug the computer into a different outlet so that computer and receiver are on different branch circuits

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful. How to Identify and Resolve Radio and TV Interference Problems.

This booklet is available from the
U.S. Government Printing Office,
Washington DC 20402, Stock No. 004-000-00345-4.

To meet FCC requirements: "SHIELDED CABLE(S) and POWER CORDS MUST BE USED TO CONNECT THE DEVICE TO A PERSONAL COMPUTER OR OTHER CLASS B DEVICE ACCORDING TO FCC 15.838D." ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USERS AUTHORITY TO OPERATE THIS EQUIPMENT.

The use of shielded speakers is also required for FCC compliance

Diamond Multimedia Systems, Inc.
Product Registration Card

Motion Video Player 2000 Series

Use a RED or BLUE pen to complete and return this card to fully ensure 5 year warranty registration

PLEASE PRINT UPPER CASE LETTERS IN SPACES PROVIDED

First Name

Middle Initial

Last Name

Company

Street (and Suite or Apt # if applicable)

City

State

Zipcode

Country

Phone Number

Purchase Date (MMDDYY)

Where did you purchase this Diamond product (Dealer's Name)

Zipcode (dealer's)

Phone Number (dealer's)

Computer

Monitor

☒ *Place an X in the appropriate boxes below:*

CPU Type 486 ☐ 386 ☐ Pentium ☐ Other ☐ *CPU Speed (MHz)* 66 ☐ 50 ☐ 33 ☐ 25 ☐ 20 ☐ Other ☐

Monitor Type SVGA ☐ VGA ☐ Other ☐ *Monitor Size (inches)* 12-15 ☐ 16-19 ☐ 20+ ☐ Other ☐

☒ *Place an X in the appropriate boxes below (please choose only one per category) :*

Why i bought Diamond:	I am interested In:	I Read:	Operating System:	Software I Use:
Price ☐	24 Bit Color ☐	PC Magazine ☐	DOS 6.x ☐	Desktop Publish ☐
Quality ☐	Multimedia ☐	PC Week ☐	DOS 5.x ☐	Spreadsheet ☐
Dealer Recommended ☐	Video Capture ☐	InfoWorld ☐	Windows 3.x ☐	Wordprocessing ☐
Brand Name ☐	High Speed Graphics ☐	PC World ☐	Win 3.x Work Groups ☐	Presentation ☐
Compatibility ☐	CD ROM ☐	Computer Shopper ☐	Windows NT ☐	Paint ☐
Performance ☐	Performance ☐	Byte ☐	OS/2 ☐	CAD ☐
Driver Support ☐	VESA Local Bus ☐	Publish ☐	Unix ☐	Game Software ☐
Bundled Software ☐	PC ☐	Other ☐	Other ☐	Other ☐

My Ideal Computer System Includes: _____

Affix First Class Postage

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San Jose, CA 95134
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Another Cutting Edge
Product from Diamond

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Version 100

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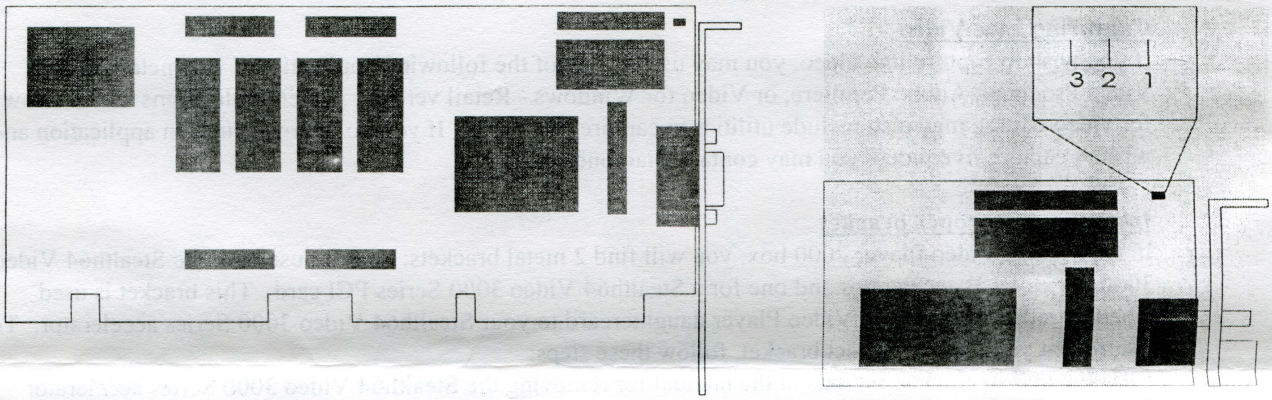
Addendum for the Motion Video Player 2000 Series

Important Notice for VLB Users!!!

The Stealth64 Video 3000 Series (formerly known as the Stealth 64 Video VRAM) VLB multimedia accelerator contains a 3-pin jumper for compatibility with the Motion Video Player 2000 Series hardware MPEG daughtercard. The jumper is located in the upper right corner of the card. Use the shunt attached to this addendum to properly configure the Stealth64 Video 3000 VLB multimedia accelerator.

IMPORTANT: The software IRQ setting within the Windows 3.1 drivers must be configured to match exactly with the hardware jumper setting on the Stealth64 Video 3000 Series VLB accelerator.



Jumper Combinations

Jumper over pins 1 and 2 - Uses IRQ9 for the Motion Video Player.

Jumper over pins 2 and 3 - Uses IRQ15 for the Motion Video Player.

No Jumper used - This is the default configuration in which the Stealth64 Video 3000 Series daughtercard is shipped. If the Motion Video Player 2000 Series daughtercard is installed in this configuration, it may result in the following problems:

- Poor audio/video synchronization when playing video.
- Attempting to capture live video with the Motion Video Player will not work correctly.

Setting Software Interrupt

1. From the Control Panel, click on the Drivers icon.
2. Double-click on the 'Diamond Multimedia Capture Driver' option.
3. You now have the availability to change the interrupt address. Change the interrupt to match the jumper setting on your Stealth64 Video 3000 Series VLB accelerator.

Diamond Part #: 41000154-001

(See reverse side for additional information)

Addendum for the Motion Video Player 2000 Series

Installing the Ferrite Clamp on the Audio Cable

Included in the kit are both a ferrite clamp and an audio cable. To install the ferrite clamp on to the audio cable, follow these procedures:

Step 1. Remove both the ferrite clamp and the audio cable from the Motion Video Player 2000 Series box.

Step 2. Open the ferrite clamp.

Step 3. Place one end of the audio cable through the ferrite clamp, leaving approximately 10" between the ferrite clamp and the end of the audio cable. This end of the cable will be referred to as (1).

Step 4. Now wrap the cable (1) underneath the ferrite clamp and back through the ferrite core. This should leave approximately 1"-3" between the ferrite clamp and the end of the audio cable (1).

Step 5. Follow the instructions in the manual for connecting the audio cable to the Motion Video Player daughtercard.

Capturing Live Video

If you wish to capture live video, you may use the any of the following applications: Asymetrix Digital Video Producer, Adobe Premiere, or Video for Windows - Retail version. Other applications which allow for video editing may also include utilities to capture live video. If you do not own such an application and wish to capture live video, you may contact Diamond directly.

Installing the proper bracket

In the Motion Video Player 2000 box, you will find 2 metal brackets: one for use with the Stealth64 Video 3000 Series VLB accelerator and one for a Stealth64 Video 3000 Series PCI card. This bracket is used when installing the Motion Video Player daughtercard to your Stealth64 Video 3000 Series accelerator. To insure that you use the correct bracket, follow these steps:

Step 1. Follow the instructions in the manual for removing the Stealth64 Video 3000 Series accelerator from your system.

Step 2. Remove the metal bracket from the back of your Stealth64 Video 3000 Series accelerator.

Step 3. Find the new metal bracket whose orientation matches that of the newly removed bracket. This is the bracket which you will install.

Step 4. Follow the instructions is the manual for installing your Motion Video Player 2000 Series daughtercard.

Diamond Part #: 41000154-001

(See reverse side for additional information)