movie vision

USER MANUAL

Movie Vision MPEG Remote

Full Screen MPEG Playback Decoding card
with
Output to TV
3D Surround Sound (optional)
Remote Control (optional)

User Manual

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Chapter 1: Introduction

Thank you for purchasing our latest product from Movie Vision family of MPEG decoding card. Though installing and operating the Movie Vision MPEG Remote card is simple and easy, please take time to read this guide carefully.

Note: Please read the README.TXT file on the installation disk for information which was not available when this manual was printed. You can also find this file by clicking your mouse on the Release Note after you have installed the program in Windows.

1.1 Main Features

Hardware
- Full compliant with MPEG-1 standard (ISO CD 11172) with error concealment.
- Auto-sensing frame rates of 30/29.97/25/24/23.976 frames/sec.
- 16-bit CD quality stereo audio playback.
- True color full screen display.
- Lip synchronization during playback.
- Stereo mini-jack output for multimedia PC stereo speakers.
- Composite video and S video TV output with NTSC and PAL support.
- Optional SRS 3-D sound module for 3-D surround sound effect.
- Optional Remote Control module for the remote controller and support OSD function (On Screen Display).
- High-tech ASIC chip for circuit logic control.

2.2   Installing The Card

1. Turn your computer off, unplug the power cord and remove the PC's cover.

2. Please refer to the table below and select a free I/O Base Address for Movie Vision MPEG Remote. The default setting is 280Hex. In most PCs this address is not taken up except if the system already had other peripheral installed, such as a scanner interface card.

I/O Port Address	Closed Pins
0x280	(2,3) and (5,6)
0x2A0	(2,3) and (4,5)
0x300	(1,2) and (5,6)
0x320	(1,2) and (4,5)

3. If you have a Remote control module or SRS (3D) module in hand, please plug it into the respective connector now. Connector J1 is for the SRS module, J3 and J4 is for the Remote control module.

4. Plug Movie Vision MPEG Remote into any free 16-bit ISA expansion slot.

5. Disconnect the monitor cable from your VGA card. Attach the VGA loopback cable to the VGA output port of your VGA card and the other end to the VGA loopback port of Movie Vision MPEG Remote.

6. Connect the monitor cable from your VGA monitor to the VGA output port of for Movie Vision MPEG Remote.

7. If your PC do not have a sound card, connect a pair of speakers to the audio output jack on Movie Vision MPEG Remote card.

8. If you already have a sound card in your PC, you can alternatively connect the Audio Output port from Movie Vision MPEG Remote to your sound card's Line-In jack using the supplied mini-stereo-cable.
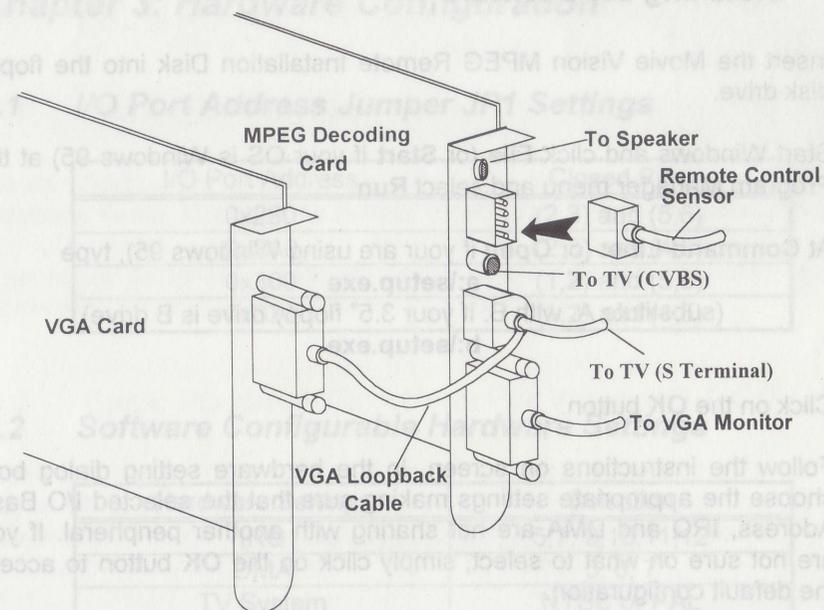
Connecting External Devices to Movie Vision MPEG Remote

9. Movie Vision MPEG Remote supports CVBS TV output through the composite video RCA jack (yellow color jack on the card's mounting bracket) and the S video TV output through the Y-type loopback cable. Please use an RCA cable to connect your TV to Movie Vision MPEG Remote or an S terminal cable to connect your TV to this card. The video output is toggled between TV output with VGA displaying graphics and VGA displaying full screen video without TV output.

10. Reconnect the power cord after you have put the computer's cover back. Power up you computer. You are now ready to go on with the software installation.

2.3　　Installing the Software

1. Insert the Movie Vision MPEG Remote Installation Disk into the floppy disk drive.

2. Start Windows and click **File** (or **Start** if your OS is Windows 95) at the Program Manager menu and select **Run**.

3. At **Command Line:** (or **Open** if your are using Windows 95), type
    a:\setup.exe
    (substitute A: with B: if your 3.5" floppy drive is B drive)
    b:\setup.exe

4. Click on the **OK** button.

5. Follow the instructions on screen. In the hardware setting dialog box, choose the appropriate settings making sure that the selected I/O Base Address, IRQ and DMA are not sharing with another peripheral. If you are not sure on what to select, simply click on the **OK** button to accept the default configuration.

6. If you have changed Movie Vision MPEG Remote's I/O address, make sure you select the same address during the software installation. For example, if you have changed the I/O Base Address from 280 to 2A0, then you should choose 2A0 when the installation programs prompt you to select an I/O Base Address for the card.

7. Restart Windows after installation has completed. A successful installation will create a new Windows Program Group including the Movie Vision MPEG Remote Panel. Place the CD into your CD-ROM drive and you are now ready to enjoy CD movies on your PC.

Chapter 3: Hardware Configuration

### 3.1　　I/O Port Address Jumper JP1 Settings

I/O Port Address	Closed Pins
0x280	(2,3) and (5,6)
0x2A0	(2,3) and (4,5)
0x300	(1,2) and (5,6)
0x320	(1,2) and (4,5)

3.2　　Software Configurable Hardware Settings

Hardware Settings	Selection
IRQ	5,7, 9,10,11,12
DMA	5, 6, 7
TV System	NTSC or PAL

3.3　　TV Standard Selection

| System	Country
NTSC	US, Taiwan, Japan, South Korea, Philippines
PAL	Germany, UK, China, Singapore, Australia
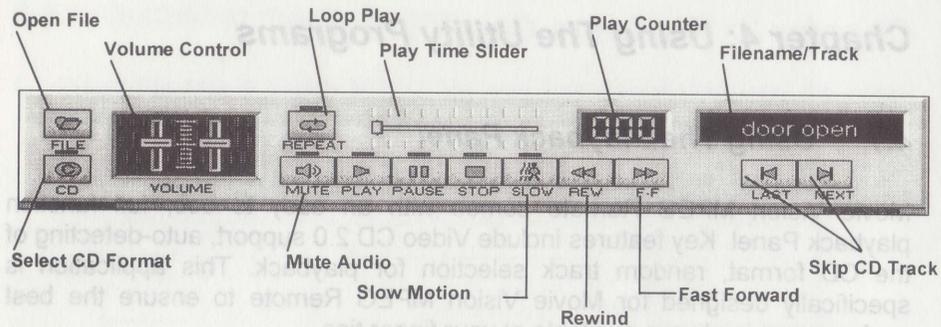
Movie Vision MPEG Remote Play Panel

4.3 Playback Functions For Video CD 2.0

Movie Vision MPEG Remote supports all Video CD 2.0 playback functions. When the playback Panel detects a Video CD 2.0 disc, a Remote Control Panel will appear. All Video CD 2.0 related selections are controlled by this Remote Control Panel.

The Remote Control Panel will be hidden when you are in the full screen mode. A dialog box will appear when it detects a Video CD 2.0 disc, enabling you to program Remote Control Hot-Keys function with the keyboard.

Note: During full screen playback mode, the Remote Control Panel is hidden from your view. It is recommended that you use the Hot-key to make the selection. Alternatively, you can toggle back to the Windows display mode by pressing the SPACEBAR to use the Remote Control Panel.
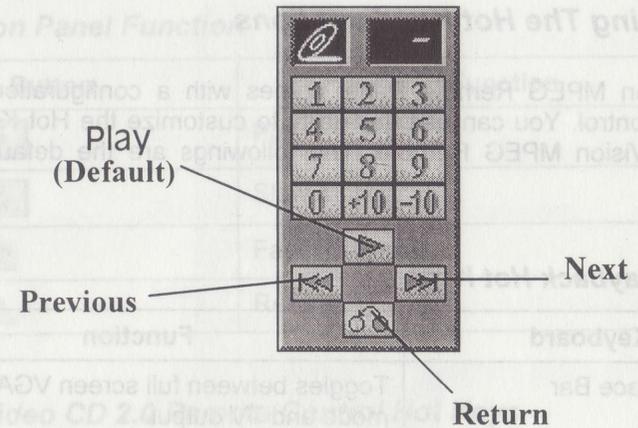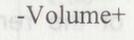
Video CD 2.0 Control Panel

Note: The buttons for the Video CD 2.0 Remote Control are pre-defined by the Video CD 2.0 title. Please consult the Video CD 2.0 software user manual for the function of each button.

M²C

RC7947
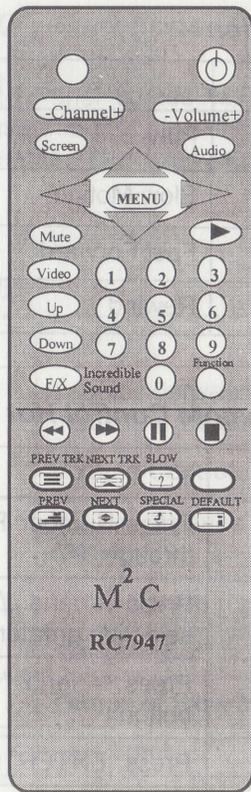
Remote Control Unit

1. ⏻   Power key.

2. -Volume+   Volume Control.

3. Screen   OSD ON for current operating mode always display on screen.
OSD OFF for current operating mode to show on screen for just a short while.

4. Audio   Audio channel (Right, Left) selection.

5. Mute   Mute.

6. Video   Toggles between VGA graphics mode and full screen VGA video mode.

7. F/X   SRS sound effect channel (Space, Center) selection.

8. Up   Increase 3-D sound effect.

9. Down   Decrease 3-D sound effect.

10. Numeric Pad: Press Numeric Pad keys for selection "0" through "9"

Function

Code transmission with Function key pressed,   , as below:

11. ◀◀   Rewind.

12. ▶▶   Fast forward.

13. ❚❚   Pause.

14. ■   Stop.

15.	≡	Previous Track.
16.	▼▲	Next Track.
17.	?	Slow motion.
18.	≜	For VCD 2.0: Previous Key.
19.	◆	For VCD 2.0: Next Key.
20.	⌐	For VCD 2.0 Special Return Key.
21.	≡ ▪	For VCD 2.0 Play Key(Default Key).

4.6 Using The Optional SRS 3-D Sound Module

Movie Vision MPEG Remote has a SRS 3-D module for surround sound effects. To enable the 3-D sound effects, select **Config** from the menu bar and make your choice.

SRS 3-D sound effects are determined by two factors. They are *Center* and *Space*. Enabling *Center* will move the sound source left or right such that it can be move toward the center relative to the listener's left and right ear. The goal of this factor is to compensate for the listener's position and create greater perception of moving sound source. Enabling *Space* will create greater depth in the sound source. Since sound is originating from the speakers placed in front of the listener, Enable *Space* will "move" the sound towards the listener until he/she is surrounded by it.

Appendix A: General Specifications

A.1 Video Playback Specifications

MPEG Video Standard	Full compliance with the MPEG-I standard (ISO C11172)
Frame Rate	30, 29.97, 25, 24, and 23.976 fps auto-sensing
Display Colors	True Color with Full Screen on VGA Monitor
TV Output	NTSC or PAL software configurable

A.2 Audio Specifications

MPEG Sound Standard	MPEG I Layers I and II
Playback	16-bit stereo PCM
Sampling Rate	44.1 Khz
Frequency Response	20Hz to 20khz
Audio Outputs	700mW per channel with an 8-ohm load
Lip Synchronization	Fully synchronized at all frame rates

A.3　System Interface

Bus interface	Standard ISA bus
Video interface	VGA loopback cable to VGA card No feature connector required
Audio Interface	Stereo earphone jack for amplified audio
TV Interface	Composite video output with RCA jack

Appendix B: Troubleshooting

Listed below are some of the common problems users may encounter using Movie Vision MPEG Remote. If the problem encountered is not describe in this section, please read the README.TXT file found in the Installation Disk or "Configure or Trouble Shooting Note" in the Movie Vision MPEG Remote program group for more help.

Q: The screen is blank after I have installed the Movie Vision MPEG Remote card into my PC.

A: The loopback cable may be bad. Disconnect the monitor from Movie Vision MPEG Remote and re-attach it to the VGA card. If you see graphics after turning on your PC, ask for a replacement loopback cable from your vender.

Q: It takes a long time for the CD-ROM drive to read a newly inserted CD (Video CD 2.0, Video CD 1.1 or CD-i format) and cannot play CD after the reading is done.

A: Try the following remedies:
1. Add the /U option to the SMARTDRV.EXE command in AUTOEXEC.BAT file if you are using SMARTDRV. This will disable CD-ROM drive caching.
   Example　　　　C:\DOS\SMARTDRV.EXE /U

2. Rearrange the statement in AUTOEXEC.BAT so that the SMARTDRV.EXE command is before the MSCDEX.EXE command.
   Example　　　　C:\WINDOWS\SMARTDRV.EXE
   　　　　　　　　C:\DOS\MSCDEX.EXE /D:MSCD000

Note: This problem is caused by SMARTDRV caching on the CD-ROM drive. The reason is that both CD-i and Video CD are non-DOS files types and SMARTDRV is for DOS file only. Therefore it is interfering with the transfer of data from the CD-ROM drive.

Q: **There is no response after a CD is inserted into the CD-ROM drive.**

A: 1. If you have just used a IS0-9660 CD, then this is a DOS file refresh problem. Remove the CD and click on the File button (located above the CD button) to create a disk drive not ready error. This will refresh the DOS file memory thus enables you to insert a new CD.

    2. This problem is caused by the way data is stored in Video CD and CD-i disc. Please refer to the previous question for reference.

Q: **No video appear on the monitor or audio playback is 'jerky'.**

A: 1. If the play button on the playback button is not lit and there is no track information displayed, this is likely a disc problem. Please try another disc to confirm if the disc is not damaged.

    2. Check the IRQ and the DMA settings of Movie Vision MPEG Remote card. Make sure that these settings are different from the settings of other cards.

    3. Press the space bar to toggle the video display back to the VGA monitor.

    4. If Movie Vision MPEG Remote is installed into a PnP motherboard, please check the IRQ Configuration Setting (can be a different name depending on BIOS version) in the motherboard's CMOS setup to make sure the IRQ assigned to Movie Vision MPEG Remote is not assigned to another device in the CMOS.

Q: **Cannot read CD-i disc.**

A: 1. Make sure your CD-ROM drive is properly installed. The CD-ROM drive must support the CD-i white book standard to be able to playback a CD-i movie. Please check with the CD-ROM drive manual or manufacturer for more information

2. Click on the CD button 🔘 of the playback application and manually select the CD-I tracks.

    3. Refer to the next question.

Q. (*After I upgrade to Windows 95,*) I can't play CD-i movie titles.

A: 1. Check with the manufacturer of your CD-ROM drive if the present driver supports CD-i in Windows.

    2. Windows 95 CD-ROM driver doesn't support the CD-i. Revert to the old 16-bit CD-ROM driver and MSCDEX.EXE by adding them to the Windows 95's autoexec.bat and config.sys. This will force windows to use the old driver which supports CD-i. Please refer to the Readme.txt file for detail instruction.

Q: **Video playback is not continuous while playing back from a CD disc.**

A: 1. The minimum system requirement must be a 486DX-33 (or higher) and running in turbo mode. The above mentioned symptom will appear during MPEG playback if Movie Vision MPEG Remote is installed in a system lower than a 486DX-33.

    2. Your CD-ROM drive should be a double speed drive (or higher) that has a transfer rate of 300K bytes per second (or more).

    3. Check that the speed of your PC ISA bus is 8MHz (or higher). Adjust your system BIOS through your SETUP program to change the ISA bus clock to a faster speed if necessary. (You may change the ISA bus clock to its fastest speed and add a wait state.)

    4. The CD title was damaged, try another disc.

5. There are more than one Secondary CD-ROM interfaces in your system. Disabling one of the Secondary CD-ROM interfaces will solve this conflict problem. You should try to connect the CD-ROM drive to the Secondary Enhanced IDE interface (32 Bit) if possible.

6. Check Movie Vision MPEG Remote's DMA and IRQ settings to avoid conflicts with other peripherals in your system.

Q: No video display on TV.

A: 1. If the video is displaying on the VGA monitor, toggle to the TV display by pressing the space bar of your keyboard.

2. Check that the TV output line is connected correctly to the VIDEO IN connector on the TV.

3. Make sure to switch the TV to the video channel.

4. Check and make sure that you have sleeted the correct TV system for your TV set. If you are not sure what you have set, go to Movie Vision MPEG Remote program group and click on the Setup icon. In the setup program, go to the setup for TV systems. Make the appropriate changes (NTSC or PAL) and exit the program.

5. Movie Vision MPEG Remote will only output video to TV during MPEG playback, it will not display normal VGA display on TV.

Q: There is no sound during MPEG playback.

A: 1. If you are connecting the speaker directly to Movie Vision MPEG Remote, make sure the speaker's mini-jack is correctly connected to the speaker output jack and make sure your speakers are working.

2. If you are connecting Movie Vision MPEG Remote's audio output to your sound card's Line-In jack, go to the sound card's Mixer Control and check if the Line-in volume is turn ON.

3. Adjust the volume control slide in the playback Panel to increase the volume.

4. Check the MUTE button [MUTE] on the playback Panel to see if it is off.

Q: Windows hangs after reinstalling the Movie Vision MPEG Remote program and restart.

A: The installation program will add a

DEVICE=C:\MV MPEG Remote directory\VFIC001D.386

statement to your Window's SYSTEM.INI file and automatically remarks the older statement. In case you have manually added this statement to the SYSTEM.INI file, the installation program may miss it resulting a double loading of the same driver. More than one instance of this device command will cause the system to hang while restarting Windows. Use any text editor, such as DOS EDIT, to remove the extra command in your SYSTEM.INI file.

Error Message 9. **Cannot initialize SYSTEM -91**
Cause: DRAM (Memory) on Movie Vision MPEG Remote is defective.

Solution:
Need to replace the DRAM on the Movie Vision MPEG Remote card. Please contact your dealer.

Error Message 10. **Cannot initialize SYSTEM -100**
Cause: Memory allocation problem.

Solution:
You have insufficient conventional memory. You should Try to close other unused applications or remove any redundant TSR programs from your memory. You may also use DOS MEMMAKER to increase conventional memory.