



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for MITSUBISHI WD-65732. You'll find the answers to all your questions on the MITSUBISHI WD-65732 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual MITSUBISHI WD-65732
User guide MITSUBISHI WD-65732
Operating instructions MITSUBISHI WD-65732
Instructions for use MITSUBISHI WD-65732
Instruction manual MITSUBISHI WD-65732



**DLP™ HIGH-DEFINITION
TELEVISION**

MODELS

WD-Y57

WD-Y65

WD-57732

WD-65732

WD-73732

OWNER'S GUIDE

- For questions:
 - Call Consumer Relations at 800-332-2119.
 - E-mail us at MDEAservice@mdea.com.
 - Visit our website at www.mitsubishi-tv.com.
- For information on **Demo Mode** and **System Reset**, please see the back cover.
- To order replacement or additional remote controls, lamp cartridges, or Owner's Guides, visit our website at www.mitsuparts.com or call 800-553-7278.
- Guidelines for setting up and using your new widescreen TV start on page 34.



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Manual abstract:

com. - Visit our website at www.mitsubishi-tv.com. For information on Demo Mode and System Reset, please see the back cover. @@@@ WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. FCC Declaration of Conformity

Product: Models: Responsible Party: Telephone: Projection Television Receiver WD-Y57, WD-Y65, WD-57732, WD-65732, WD-73732
Mitsubishi Digital Electronics America, Inc. 9351 Jeronimo Road Irvine, CA 92618-1904 (800) 332-2119

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.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful 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 or more of the following measures: · Reorient or relocate the receiving antenna. · Increase the separation between the equipment and the receiver.

· Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. · Consult the dealer or an experienced radio/TV technician for help. Changes or modifications not expressly approved by Mitsubishi could cause harmful interference and would void the user's authority to operate this equipment. Our Thanks..

. Thank you for choosing Mitsubishi as your premier Home Entertainment provider This Owner's Guide describes the features and functions of your Mitsubishi widescreen, high definition TV. We urge you to examine this Owner's Guide to become familiar with the innovative features and operations this unique television offers. The very core of our corporate philosophy is to provide our customers with the very best. Our development team at Mitsubishi has worked to provide you with a television that defines "state-of-the-art," with the capability to meet your needs now and in the future. Whether this is your first Mitsubishi electronic product, or an addition to your Mitsubishi collection, we believe you and your family will continue to enjoy your Mitsubishi home theater for many years. Thank you, Mitsubishi Digital Electronics America, Inc. For Your Records Record the model number, serial number, and purchase date of your TV. The model and serial numbers are on the back of the TV. Refer to this page when requesting assistance with this TV.

MODEL NUMBER (check one): WD-Y57 SERIAL NUMBER PURCHASE DATE Retailer Information RETAILER NAME LOCATION WD-Y65 WD-57732 WD-65732 WD-73732 Contents Important Information About Your TV General Warnings and Cautions, Notes on Installation and Operation Cleaning Recommendations.

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. 122 6 Important Information About Your TV Important Information About Your TV

WARNING: This product contains chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.

CAUTION: TOPREVENTELECTRICSHOCK, MATCHWIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT. TV

WEIGHT: This TV is heavy! Exercise extreme care when lifting or moving it. Lift or move the TV with a minimum of two adults.

To prevent damage to the TV, avoid jarring or moving it while it is turned on. Always power off your TV before moving it. Installation Notes Stand Requirement

CAUTION: Use these Mitsubishi TV model only with the Mitsubishi stand model shown here. Other stands scs

Read all safety and operating instructions before operating the TV. Retain the safety and operating instructions

for future reference. Follow all operating and use instructions. 2. Heed Warnings Adhere to all warnings on the appliance and in the operating instructions. 3. Cleaning Unplug the TV from the wall outlet before cleaning.

Do not use liquid, abrasive or aerosol cleaners. Cleaners can permanently damage the cabinet and screen. Use a lightly dampened cloth for cleaning. 4. Attachments and Equipment Never add any attachments and/or equipment without approval of the manufacturer as such additions may result in the risk of fire, electric shock or other personal injury. 5. Water and Moisture

Do not use the TV where contact with or immersion in water is possible. Do not use near bathtubs, wash bowls, kitchen sinks, laundry tubs, swimming pools, etc. 6.

Accessories Do not place the TV on an unstable cart, stand, tripod, or table.

The TV may fall, causing serious injury to a child or adult and serious damage to the TV. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer, or sold with the TV. Any mounting of the TV should follow the manufacturer's instructions, and should use mounting accessories recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

7. Ventilation Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the TV and to protect it from overheating. Do not block these openings or allow them to be obstructed by placing the TV on a bed, sofa, rug, or other similar surface. Nor should it be placed over a radiator or heat register. If the TV is to be placed in a rack or bookcase, ensure that there is adequate ventilation and that the manufacturer's instructions have been adhered to.

8. Power Source This TV should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your appliance dealer or local power company. 9. Grounding or Polarization

This TV is equipped with a polarized alternating current line plug having one blade wider than the other. This plug will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug. 10.

Power-Cord Protection Power-supply cord should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the TV. 11. Lightning

For added protection for this TV during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cables system. This will prevent damage to the TV due to lightning and power-line surges. Important

Information About Your TV 9 Important Safeguards, continued 12. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal. 13. Overloading Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock. 14.

Object and Liquid Entry Never push objects of any kind into this TV through openings as they may touch dangerous voltage points or short-out parts that could result in fire or electric shock. Never spill liquid of any kind on or into the TV. 15. Outdoor Antenna Grounding

If an outside antenna or cables system is connected to the TV, be sure the antenna or cables system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electric Code, ANSI/NFPA No.

70-2002, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. EXAMP LE OF ANT E NNA G R OUNDING ANT E NNA LE AD IN WIR E G R OUND C LAMP ANT E NNA DIS C HAR G E UNIT (NE C AR T IC LE 810-20) G R OUNDING C ONDUC T OR S (NE C AR T IC LE 810-21) G R OUND C LAMP S P OWE R S E R V IC E G R OUNDING E LE C T R ODE S Y S T E M (NE C AR T 250, P AR T H) E LE C T R IC S E R V IC E E QUIP ME NT 16. Servicing NE C -- NAT IONAL E LE C T R IC AL C ODE

Do not attempt to service this TV yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel. 17.

Damage Requiring Service Unplug the TV from the wall outlet and refer servicing to qualified service personnel under the following conditions: When the power-supply cord or plug is damaged. If liquid has been spilled, or objects have fallen into the TV. If the TV has been exposed to rain or water.

If the TV does not operate normally by following the operating instructions, adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage

and will often require extensive work by a qualified technician to restore the TV to its normal operation. (e) If the TV has been dropped or the cabinet has been damaged. (f)

When the TV exhibits a distinct change in performance - this indicates a need for service. (a) (b) (c) (d) 18. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards. 19.

Safety Check Upon completion of any service or repair to the TV, ask the service technician to perform safety checks to determine that the TV is in a safe operating condition.

20. Heat The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat. 1

Television Overview Package Contents
Special Features of Your TV . TV Front Panel . . .
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. . . 12 12 14 16 18 12 Chapter 1. Television Overview Package Contents Please take a moment to review the following list of items to ensure that you have received everything.

1. Remote Control 2. Two AA Batteries 3. Two-Ended IR Emitter 4. Owner's Guide 5.



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Quick Reference Guide 6. TV Guide On Screen® Interactive Program Guide User's Manual 7. Product Registration Card 1 AA 2 AA 3 Special Features of Your TV Your new high-definition widescreen television has many special features that make it the perfect center of your home entertainment system, including: High Definition DLPTM Display System Your widescreen Mitsubishi HDTV uses Texas Instruments' most advanced Digital Light Processing TM technology for rear-projection televisions. This TV is truly a high performance multimedia monitor uniquely capable of both stunning high-definition video images and clear, detailed, high-resolution images from a personal computer. 16:9 Widescreen Picture Format Enjoy a full theatrical experience in the comfort of your home.

View pictures as film directors intended them. Digital TV broadcasts, DVDs and new video game console support this widescreen format. provides a high level of flexibility when connecting DVD players/recorders, cable boxes, and satellite receivers. Two HDMI Inputs that accept digital 480i, 480p, 720p, 1080i, and 1080p video signals plus PCM digital stereo signals. Used with an adapter, these inputs also accept compatible DVI video signals. HDMI inputs provide additional high-performance, high definition connections for maximum flexibility in your choice of home theater products. The HDMI inputs are HDCP copy-protection compatible. Two IEEE 1394 Digital Interfaces that receive and send compressed digital signals, including high definition signals, along with digital audio and control signals between devices such as the TV, digital cable boxes, and DVHS digital video recorders. ClearThought® Easy Connect Auto Input Sensing ClearThought® automatically recognizes when you plug in an input and prompts you to assign a name to it. The TV ignores any unused inputs, so the result is an uncluttered Input Selection menu where you can easily find and select connected devices by name.

Integrated HDTV Tuner Your widescreen Mitsubishi HDTV has an internal HDTV tuner able to receive both over-the-air HDTV broadcasts (received via an antenna) and non-scrambled digital cable broadcasts, including non-scrambled HDTV cable programming. Digital Cable Ready (CableCARD™) Your widescreen Mitsubishi HDTV is "Plug-and-Play" digital cable ready. It can descramble cable provider's High-Definition Video Inputs Component Video Inputs, two on models WD-Y57 and WD-Y65; three on models WD-57732, WD-65732, and WD-73732. Also called Y/Pb/Pr inputs, these inputs receive standard analog video formats of 480i, 480p, 720p, and 1080i high-definition signals. This Chapter 1.

Television Overview 13 one-way digital signals with the use of a CableCARD security module. The CableCARD is used in place of a traditional cable box to access digital cable programming (including high definition). Contact your local cable provider for availability information and service details. DVI-I Input for Computer Video Connect your personal computer's HDMI or DVI video output to this jack to display computer images on the TV. NetCommand® Home Network Control System Your widescreen Mitsubishi HDTV offers a new level of networking that can seamlessly integrate selected older A/V products with new and future digital products.

NetCommand supports IEEE 1394 connections, Audio Video Control system (AV/C), 5C copy protection, and IR (infrared) control of selected older products, such as VCRs, DVD players, cable boxes, and satellite receivers. NetCommand can learn remote control signals directly from many devices, allowing you to create a customized NetCommand-controlled home-theater system. TV Guide On Screen® Interactive Program Guide System A night-day on-screen program guide for cable, over-the-air, and CableCARD™ reception. This subscription-free guide system lists regular, digital, and high-definition programming. Note that when the system is first setup, it may take up to 24 hours to begin to receive TV program listings and then it may take up to one week to receive all eight days of TV program listings. Memory Card Reader (models WD-57732, WD-65732, WD-73732) You can display a slideshow of your favorite JPEG pictures or listen to MP3 or WMA audio selections recorded on compatible memory cards. 14 Chapter 1. Television Overview INPUT 3 provides an easily accessible set of standard audio/video jacks. These jacks allow for convenient connection of a camcorder or other audio/video device. Note The shaded buttons on the front control panel duplicate that if you connect to the S-VIDEO jack, the VIDEO jack keys on the remote control.

The upper labels show control is deactivated. functions when no TV menu are displayed; the lower labels indicate functions when TV menu are displayed or Memory Card Reader when a special function has been activated. See "Remote (models WD-57732, WD-65732, WD-73732)

Control Overview" in chapter 4, "TV Operation and Features," for further details on the functions of these buttons. The memory card reader has four card slots that accept a variety of popular memory card types. The reader lets you view JPEG pictures from many digital cameras and allows System Reset Button you to listen to MP3 or WMA audio files recorded from If the TV does not respond to the computer or other digital recording devices. remote control, front panel controls, The card slots are designed for the specific types of or will not power on/off, press the cards listed below. Other cards or objects should not be SYSTEM RESET button on the front panel with a pointed object, such as the point inserted into the slots as this may damage the TV. See the discussion of memory cards in chapter 4 "TV Operation of a pencil or end tip of a paperclip. and Features" for details about JPEG, MP3 and WMA file The green LED will flash quickly for types that are compatible with the TV. about one minute.

When the green LED stops flashing, you may turn on the TV. The changes you made most Card Compatibility recently, before using SYSTEM RESET, may be lost. A. CARD 1 SmartMedia™ TV Front Panel Input 3 A/V Reset If you wish to reset the A/V (Audio/Video) settings back to the factory defaults: · To reset all settings at once, press GUIDE and FORMAT on the front panel at the same time. · To reset the defaults for individual devices, use the A/V Memory Reset selection on the Audio/Video menu.

A B. CARD 2 C. CARD 3 D. CARD 4 MultiMediaCard™ Secure Digital (SD) CompactFlash® (Types I and II) Microdrive® MemoryStick™ PRO™ MemoryStick™ B D Front Panel Controls and Indicators 1. Shaded buttons are duplicates of keys on the remote control 2.

POWER/TIMER indicator--lit during normal operation; flashing when auto-on TV timer is set 3. LAMP indicator shows lamp condition (usually off during normal TV operation) 4. STATUS indicator (off during normal TV operation) 5. SYSTEM RESET (see description this page) C 3 4 2 1 Lift cover to use features on the front panel. 1 Right: INPUT 3 and controls on front panel 5 Chapter 1. Television Overview 15 Front-Panel Indicators Off Steady On Slow Blinking Fast Blinking LAMP Indicator LED Color TV Condition None Green Normal TV on standby condition. TV just powered off and lamp is cooling. 1. Lamp access door is open or not secure. 2.

Not a lamp installed. Red Lamp no longer illuminates and has reached the end of the lamp life. Additional Information Normal operation. Start to blink 30 seconds after turning off TV. TV can be turned on before blinking starts or after blinking stops, but not while the indicator is blinking. Normal operation. TV will not operate until lamp access door is secure. See Appendix C for installation information. TV will not operate without a lamp.



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See Appendix C for installation information.

Replace the lamp. The TV will not operate when the lamp is no longer illuminated. See Appendix C for installation information. Yellow STATUS Indicator LED Color TV Condition None Yellow Red Normal TV on standby condition. Room temperature is too high.

TV may require service. Additional Information Normal operation. TV will not operate when the ambient room temperature is too high. Turn off the TV and wait until the room temperature drops. Turn off the TV and unplug the set from the AC power source.

Wait one minute and then plug the set back in. If the LED is still on, contact your dealer or a Mitsubishi Authorized Service Center. See www.mitsubishi-tv.com or call 1-800-332-2119 to receive Authorized Service Center information. POWER/TIMER Indicator LED Color TV Condition None Green Green TV is powered off. TV is powered on. 1. TV just plugged into AC outlet. 2.

AC just restored after power failure. 3. TV rebooting after system reset. 4. TV rebooting after power fluctuation or receiving abnormal digital signals from digital channel, CableCARD™, or digital device. Wait until blinking stops before returning (approximately 1 minute). Normal operation. Additional Information Normal operation. Normal operation. 5.

You have begun the procedure. For detailed information, see the instructions that accompany the TV update software from an authorized software update. Important: Do not use an unauthorized authorized flash memory device. software at any time. Green TV powered off and auto-on timer is set. Normal operation.

TV can be turned on at any time. 16 Chapter 1. Television Overview COMPONENT inputs 1 and 2 offered on models WD-Y57 and WD-Y65. COMPONENT inputs 1, 2, and 3 offered on models WD-57732, WD-65732, and WD-73732. 3 6 4 10 11 TV Back Panel 1 13 R M 2 12 9 5 7 8 1.

ANT 1/MAIN, ANT 2/AUX (Antenna) If you are connecting an antenna, direct cable without a cable box, or are reusing cable with a CableCARD™, connect the main antenna or cable source to ANT 1/MAIN. ANT 1/MAIN and ANT 2/AUX can each receive both digital and analog over-the-air channels from a VHF/UHF antenna or non-scrambled digital/analog cable source. ANT 1/MAIN and CableCARD™ Use ANT

1/MAIN to receive premium subscription cable TV service authorized by the CableCARD™ access card. The CableCARD™ access card is provided by your local cable company. ANT 2/AUX can continue to receive over-the-air or non-scrambled cable signals when ANT 1 is used for CableCARD™ service. 2. CableCARD™ Slot The CableCARD™ access card from your cable TV service provider is inserted into this slot. When inserting, ensure that the top of the card faces in the direction indicated by CARD TOP. If your cable company is not currently offering CableCARD™ access cards, use the cable box provided and authorized by your local cable company to view scrambled channels. 3.

INPUT 1 and 2 Inputs (Audio and Video) INPUT 1 and 2 can be used to connect a VCR, Super VHS (S-VHS) VCR, DVD player, standard satellite receiver, or other A/V device to the TV. INPUT 3 is a third set of jacks located on or near the front of the TV for convenience. Please note that if S-VIDEO and VIDEO are both available, you must choose to connect only one. Chapter 1. Television Overview 17 TV Back Panel, continued 4. COMPONENT Inputs (COMPONENT 1 and 2 on WD-Y57, WD-Y65; COMPONENT 13 on WD-57732, WD-65732, WD-73732) (Audio and Video) Y Pb Pr (480i/480p/720p/1080i)

Use these jacks to connect devices with component video outputs, such as DVD players, external HDTV receivers, or compatible video game systems. Please see Appendix B for signal compatibility. 8. PC-DVI AUDIO Use the PC-DVI AUDIO jacks in conjunction with the PC-DVI video input from a personal computer. These jacks allow you to send left and right analog audio from your computer to the TV.

9. IEEE 1394/DTV LINK™ These jacks allow the TV to connect to external IEEE 1394 digital products by means of a single cable. See chapter 6, "Net Command Operations" for detailed information regarding IEEE 1394 connections and recording. 10. MONITOR OUT Use these composite video and left/right audio jacks to send analog video and audio signals to an external recording device such as a VCR.

To make recordings from this output, the TV must be in normal full-screen mode rather than in Split Screen mode. You can watch another device while recording, but not another channel. From this output you can record audio and video signals from ANT 1, ANT 2, INPUT 1-3, and IEEE 1394 devices. Digital signals from ANT 1, ANT 2, and IEEE 1394 devices are converted to analog video and audio signals. Some signals cannot be recorded because of copy-protection flags in the content.

5. HDMI™ 1 and 2 The HDMI (High Definition Multimedia Interface) supports uncompressed standard and high-definition digital video formats and PCM digital audio format. For PC video, use the PC-DVI input instead. Do not connect a computer to either TV HDMI jack. Use these inputs to connect to EIA/CEA-861 compliant devices such as a high-definition receiver or DVD player. These inputs support 480i, 480p, 720p, 1080i, and 1080p video formats. These inputs can also accept DVI video inputs. To connect a DVI input, use an HDMI-to-DVI adapter or cable plus analog audio cables. Connect the analog audio cable to the HDMI/DVI AUDIO inputs on the TV to receive left and right stereo audio from your DVI device. These inputs are HDCP (High-Bandwidth Digital Copy Protection) compliant.

These inputs are certified for proper interoperability with other products certified by Simplay™. 11. AUDIO OUT LEFT/RIGHT AUDIO OUT LEFT/RIGHT jacks send analog audio of the program currently shown on the screen to an A/V surround sound receiver or stereo system. Digital audio from digital channels, FireWire® (IEEE 1394/DTV Link) devices and HDMI devices is converted to analog audio by the TV.

If using an analog A/V receiver or stereo system, this is the only audio connection needed between it and the TV. 6. HDMI/DVI AUDIO Use these analog audio inputs when connecting DVI video devices to the TV's HDMI jacks. Unlike HDMI, DVI does not carry audio information on the same cable. For analog audio from a personal computer, use the PC-DVI AUDIO jacks instead. 12.

DIGITAL AUDIO OUT This output sends Dolby Digital or PCM digital audio to your digital A/V surround sound receiver. Analog audio from analog channels and devices is converted by the TV to PCM digital audio. If you have a digital A/V receiver, in most cases this is the only audio connection needed between the TV and your A/V receiver. 7. PC-DVI PC-DVI is a DVI-I input compatible with both DVI-A (analog) and DVI-D (digital) inputs.

Connect your personal computer's HDMI, DVI, or VGA video output to this jack. An adapter or converter cable may be required. Please see Appendix B for signal compatibility. To hear audio from the computer, connect analog audio cables from the computer to the PC-DVI AUDIO jacks. 13.

IR Emitter Net Command® IR emitters connected to this jack are used by the TV's

Net Command system to control external IR remote controlled analog devices such as cable boxes, VCRs, DVDs, satellite receivers and audio receivers. This system also coordinates with the TV Guide On Screen® system to control cable boxes and to activate the record feature of your VCR. 18 Chapter 1. Television Overview

CableCARD™ Technology CableCARD™ is an industry standard that allows your local cable TV provider to supply you with an access card customized to your account. This card allows your TV to receive, decode, and unscramble the premium digital channels included in your cable TV subscription without the use of a cable box. When you move to a new cable provider's area, return the CableCARD™ to the original cable provider and get a new card from your new provider.

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CableCARD™ Menu CableCARD menu Network Setup CableCARD(tm) Status CableCARD(tm) Pairing Conditional Access
Please note that CableCARD is a relatively new technology. Press ENTER to select an application. Press EXIT key to exit.
and your local cable provider may not currently be offering this service. As time passes, this system will become Sample CableCARD menu
broadly supported by most cable providers.

To display the CableCARD menu with links to applications The CableCARD system is unidirectional, meaning your from your cable provider:
cable provider can send updates to the TV, but the TV 1. While watching CableCARD, press INPUT to open the cannot send signals back. As a result, certain advanced
Input Selection menu. and interactive digital cable services, such as requests for 2. With the CableCARD icon highlighted, press MENU to video-on-demand and pay-per-
view programs, a cable open the CableCARD menu. operator's enhanced program guide, and data-enhanced 3. Press to highlight a link (blue text), then press
television services may require use of a set-top box ENTER to access the linked page. instead. For more information, call your local cable operator. 4.
To redisplay the CableCARD menu, repeat steps 1 and 2. Digital cable channels authorized by the CableCARD are 5. Press EXIT to return to TV viewing.
available on the Firewire® IEEE 1394 network and can be shared by other products on the network. You may be If there are technical problems with the CableCARD, an
unable to record or copy some digital programs, however, errors screen automatically displays with information that
because of copy restrictions set by the content or copy may be needed by your cable provider when you call them right owners.
for assistance. Using a CableCARD™ Power on the TV and insert the CableCARD into the CableCARD slot with the top of the card oriented as indicated by CARD TOP
. When the initial screen displays, write down the information that appears and have it ready when calling your cable provider. In order to start cable service for this
device, please contact your cable provider 1-800-xxx-xxxx CableCARD(tm): xxx-xxx-xxx-xxx-x Host: xxx-xxx-xxx-xxx-x Data: xxx-xxx-xxx-xx
Unit Address: xx-xxxx-xxxx-xxx Press EXIT to exit. Moving Through Other CableCARD Screens In addition to CableCARD menus, other CableCARD
applications screens may display and require you to make additional selections.
When using these screens on your Mitsubishi television: · Blue text denotes a link to another screen. Press ENTER to move to the next application. Screens without blue
text contain no links. · You cannot move backward through the links. To exit the CableCARD system, press EXIT. The CANCEL key may
not work with some CableCARD screens. All information on these applications screens is provided by your local cable company. Contact your cable provider if
you have any problems with the applications screen displays. Sample CableCARD initial screen. Record the information before contacting your cable provider.

To review the information later, press MENU and when the Main menu appears, press 9 9 to re-display the screen. Note: CableCARD™ requires the TV's Fast Power
On setting. If you insert a CableCARD™, the TV will automatically override a Low Power setting and change to the Fast Power On setting. IMPORTANT Most
CableCARD screens show only status or diagnostic information and do not allow you to make changes. These screens are meaningful only to your local cable
provider. IMPORTANT To use a CableCARD, connect the primary incoming cable to ANT 1/MAIN on the TV. 2 TV Connections Connection Types

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. Digital Video and Home Recording . . .

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. HDTV Cable Box or Satellite Receiver with Component Video Standard Cable Box, Satellite Receiver, or Other Device with S-Video

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. . Wall Outlet Cable (no cable box)

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. . . Antenna with a Single Lead

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. . Antennas with Separate UHF and VHF Leads . . .
. VCR to an Antenna or Wall Outlet Cable .

. VCR to a Cable Box (Audio & Video) .

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. . HDMI Device (Cable Box, Satellite Receiver, DVD Player, or Other Device)

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. DVI Video Device (Cable Box, Satellite Receiver, DVD Player, or Other Device) . . .

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..... DVD Player with Component Video . . .

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..... A/V Receiver (Sound System)

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.... Older Cable Box .

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. Camcorder.....

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..... IEEE 1394 Devices . . .

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..... IR Emitter NetCommand® and TV Guide On Screen . . .

.... Helpful Hints for NetCommand Connections

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..... 20 Chapter 2. TV Connections Connection Types Video and Combined Audio/Video Connections
ThesedescriptionsapplytoTVvideoonlyanddonotcoversignalsfrompersonalcomputers.

Picture Quality Name (most sources) HDMI Best DVI (carry high definition video when available) Component Video Signal Type Digital audio and video Figures (not to scale) Additional Information Carries digital audio and uncompressed digital video on a single one-way cable. Carries uncompressed digital video alone on a single one-way cable; requires separate audio connections. YPbPr RCA-style connectors are colored green, blue, and red. Carries analog high-definition and standard-definition signals. Carries analog standard-definition signals. Provides better quality video than composite or RF coaxial video. RCA-style connector, usually colored yellow. Carries analog standard-definition signals. Carries compressed digital video and audio as well as device control signals on a single two-way cable. Carries audio and video on a single cable.

Digital video Analog video Good S-Video Analog video Fair Composite Video Analog video Fair to Best (depending on source; carry all qualities of signals) IEEE 1394 (FireWire®) Digital audio and video Analog and digital audio and video RF Coaxial Video Note: Only some TV signals are high-definition signals. To view high-definition programming from your cable or satellite provider, you must subscribe to the provider's high-definition service. Some over-the-air broadcasts are high-definition and can be received with a high-quality antenna suited to your location. Audio Connections

There are two types of audio connections used on this TV. Refer to the table below.

Audio Connection Left/Right Analog Stereo Audio Figures (not to scale) Additional Information RCA-style connectors usually colored white for left and red for right stereo audio. For monoaural sound (all speakers playing the same sound), use only the white connector. RCA-style connector usually colored orange. Use to send digital audio from the TV to your digital A/V receiver for surround-sound effects. Usually the only audio connection required between the TV and the A/V receiver.

Digital Audio (Coaxial) Chapter 2. TV Connections 21 Digital Video and Home Recording

The table below will help you decide which type of connection to use for digital video. Digital video comes to your home in a compressed state, whether received on recorded media (e.g., disc) or broadcast over the air, over cable, or

via satellite. Some compressed digital video is available for recording as noted in the table. Connection Type into the TV HDMI or DVI Compressed video is converted to uncompressed form by an external device such as a cable box, satellite receiver, or DVD player before it is sent to the TV on an HDMI or DVI cable.



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IEEE 1394 (FireWire®) Connections Your TV can receive and decode digital channels, MPEG2 compressed digital video, and Dolby Digital audio. Effect on Home Recording You cannot record the resultant uncompressed video sent to the TV via HDMI or DVI. You can record compressed digital video either on compatible digital recorders as digital signals using IEEE 1394 connections - converted to analog signals and recorded as standard-definition composite video from the MONITOR OUT Jack. You may be unable to record some programming because of copy restrictions added by the content owners.

HDTV Cable Box or Satellite Receiver with Component Video If your cable box or satellite receiver has HDMI or DVI outputs, use the connections for HDMI or DVI video devices described later in this chapter. Required: RCA component video cables, left/right analog audio cables.

A coaxial splitter, available at most electronics supply stores, may be required to complete this installation. 1.

Connect the cable from the outside cable or satellite service to CABLE IN or SATELLITE IN on the cable box or satellite receiver. See your device's owner's guide for instructions and cable compatibility. 2. Connect RCA-type cables from the YPBPr outputs on the HDTV cable box or satellite receiver to COMPONENT on the TV backpanel, matching the colored connections. 3.

Connect left (white) and right (red) audio cables from the HDTV cable box or satellite receiver to COMPONENT /AUDIO LEFT and AUDIO RIGHT on the TV backpanel. 4. Optional: To allow use of the Split Screen feature with channels from ANT 1 and the cable box or satellite receiver, connect the incoming terrestrial antenna or cable service (not satellite) to ANT 1/MAIN on the TV backpanel. A coaxial splitter, available at most electronics supply stores, may be required to complete this installation. Note:

To receive the benefits of digital surround sound, connect the digital audio output from your cable box or satellite receiver directly to your digital A/V receiver. R TM Figure 1.

Connecting an external HDTV receiver with component video connections 22 Chapter 2. TV Connections Standard Cable Box, Satellite Receiver, or Other Device with S-Video Required: S-Video cable and left/right analog stereo audio cables. 1. Connect the cable from the outside cable or satellite service to CABLE IN or SATELLITE IN on the cable box or satellite receiver. 2.

Connect an S-Video cable from VIDEO OUT on the cable box or satellite receiver backpanel to INPUT S-VIDEO on the TV backpanel. 3.

Connect left (white) and right (red) audio cables from AUDIO OUT on the cable box or satellite receiver to INPUT/AUDIO LEFT and AUDIO RIGHT on the TV backpanel. Note: Refer to the cable box or satellite receiver Owner's Guide for cable or dish antenna connection to the receiver. Wall Outlet Cable (no cable box) (can be used with a CableCARD™) It is very important to connect the incoming cable for your primary viewing source to ANT 1/MAIN, especially for CableCARD™. 1. Connect the primary incoming coaxial lead cable to ANT 1/MAIN on the TV backpanel. 2. For an optional secondary antenna source, connect an antenna (or cable) to ANT 2/AUX. 3.

If you have subscribed to a CableCARD™ service, insert the CableCARD™ into the CableCARD™ slot. The top of the card must face in the direction indicated by the CARD TOP Arrow. See chapter 1, "Television Overview," for additional CableCARD™ information. Detailed TV Guide On Screen information is in the separate User's Manual. R TM R TM Figure 2. Connecting a device with S-Video Figure 3. Wall Outlet Cable Chapter 2. TV Connections 23 Antenna with a Single Lead A. For an antenna with flat twin leads a 300-ohm-to-75-ohm transformer is required. This is not included with the TV, but is available at most electronics stores.

A1. For an antenna with flat twin leads, connect the 300-ohm twin lead to the 300-ohm-to-75-ohm transformer. A2. Push the 75-ohm side of the transformer onto ANT 1 on the TV backpanel. B.

For cable or antenna with coaxial lead Connect the coaxial lead directly to ANT 1 on the TV backpanel. Antennas with Separate UHF and VHF Leads Required: UHF/VHF combiner This is not included with the TV, but is available at most electronics stores. 1. Connect the UHF and VHF antenna leads to the UHF/VHF combiner. 2.

Push the combiner onto ANT 1/MAIN on the TV backpanel. R TM R TM Figure 5. Connecting separate UHF and VHF Antennas Figure 4. Connecting a Single Antenna Mitsubishi strongly recommends you avoid using antennas with flat twin leads. Flat twin lead antenna wires are subject to interference which may adversely affect the performance of the TV. We recommend using coaxial antenna cable. 24 Chapter 2. TV Connections VCR to an Antenna or Wall Outlet Cable Required: Two-way RF splitter, 3 coaxial cables, right and left analog audio cables, either S-video or video cable.

These are not included with the TV but are available at most electronics stores. 1.

Connect the incoming cable or antenna to IN on the RF splitter. 2. Connect one coaxial cable from OUT on the RF splitter to ANTENNA IN on the VCR backpanel. 3.

Connect one coaxial cable from OUT on the RF splitter to ANT 1/MAIN on the TV backpanel. This connection also allows you to use the TV Guide On Screen® and Split Screen features. 4. Connect the TV speakers with the VCR, connect left (white) and right (red) audio cables from AUDIO

OUT on the VCR to INPUT/AUDIO LEFT and AUDIO RIGHT on the TV backpanel. If your VCR is mono (non-stereo), connect only the white (left) cable. 5.

Connect either an S-Video or composite video cable from VIDEO OUT on the VCR backpanel to INPUT/VIDEO or S-VIDEO on the TV backpanel.

Connect only one type of video cable; S-Video is recommended, if available. Optional To use the TV Guide On Screen recording feature and to record high-definition digital channels converted to analog standard-definition video and analog stereo audio, perform the set up additional steps. 6.

Connect left (white) and right (red) audio cables from AUDIO IN on the VCR to MONITOR OUT LEFT/ RIGHT on the TV backpanel.

If your VCR is mono (non-stereo), connect only the white (left) cable. 7. Connect a composite video cable from VIDEO IN on the VCR backpanel to MONITOR OUT/ VIDEO on the TV backpanel. R TM Figure 6. Connecting a VCR to an Antenna or Wall Outlet Cable Chapter 2.

TV Connections 25 6. To use the TV speakers with the VCR, connect left (white) and right (red) audio cables from AUDIO OUT on the VCR backpanel to INPUT/AUDIO LEFT Required: Two-way RF splitter, 4 coaxial cables, right and left analog audio cables, either S-video or composite video cable, plus VCR is mono (non-stereo), connect only the white (left) component or S-Video cables and audio cables required cable. To connect the TV to the cable box. 7.

Connect either an S-Video or composite video 1. Connect the incoming cable to IN on the RF splitter. cable from VIDEO OUT on the VCR backpanel to 2.

Connect one coaxial cable from OUT on the RF split INPUT/VIDEO or INPUT/S-VIDEO on the TV to CABLE IN on the cable box. backpanel.

Connect only one type of video cable. 3. Connect one coaxial cable from OUT on the RF S-Video is recommended, if available. splitter to ANT

1/MAIN on the TV backpanel. This Optional connection also allows you to use the TV Guide On 8. To allow recording from the TV to the VCR:

Screen® and Split Screen features. a. Connect left (white) and right (red) audio cables 4. Connect one coaxial cable from OUT on the cable box from AUDIO IN on the VCR backpanel to box to ANTENNA IN on the VCR backpanel. MONITOR OUT/LEFT and RIGHT on the TV 5.

Connect the cable box output to the TV as shown backpanel. In one of the options listed below. This connection b. Connect a video cable from VIDEO IN on the allow the TV to receive the best available signal VCR backpanel to MONITOR OUT/VIDEO on directly from the cable box.

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the TV backpanel.

Figure 1: Component video output to the TV's COMPONENT Y Pb Pr jacks; analog stereo audio to the associated AUDIO jacks. OR Figure 2: S-Video output to the TV's INPUT/S-VIDEO jack; analog stereo audio to the associated AUDIO jacks. Note: When using this connection configuration with the connections used in step 5, it is possible to view live cable programs through the VCR device. For best picture quality always view live cable programs directly from the cable box device. VCR to a Cable Box (Audio & Video) R TM Figure 7. Connecting a VCR to a cable box 26 Chapter 2. TV Connections HDMI Device (Cable Box, Satellite DVI Video Device (Cable Box, Receiver, DVD Player, or Other Device) Satellite Receiver, DVD Player, or Required: HDMI-to-HDMI cable. This is not included Other Device) with the TV. Connect an HDMI cable from the TV backpanel to the HDMI device output. HDMI devices provide video and audio through this cable, so no other connection is required. There are two HDMI inputs on the TV back panel. R TM Analog stereo audio cables and a DVI-to-HDMI cable or DVI/HDMI adapter and HDMI cable are required. These are not included with the TV. They may be available at your local electronics retailer. 1.

Connect the DVI-to-HDMI cable (recommended) or HDMI cable with DVI/HDMI adapter from the DVI device's backpanel to the TV backpanel. NOTE: If you are using a DVI/HDMI adapter, it is important to connect the head adapter to the DVI device for best performance. 2. Connect a set of audio cables from AUDIO OUT on the DVI device backpanel to the HDMI/DVI AUDIO on the TV backpanel. Connect the red cable to the RIGHT jack and the white cable to the LEFT jack. NOTE: The HDMI connection supports copy protection (HDCP). Some devices require connecting to an analog input first, in order to view on-screen menus and to select DVI as the output. Please review your equipment instructions for DVI connectivity and compatibility. Figure 8. Connecting an HDMI device. Note: HDMI inputs are certified for proper interoperability with other products certified by SimplayTM. IMPORTANT For sound from your devices, note that the HDMI inputs can receive digital stereo audio signals only. To use digital surround sound for an HDMI or DVI device, connect that device's digital audio output directly to your A/V receiver. See the Owner's Guides for those devices for instructions. R TM IMPORTANT To connect a personal computer to the TV, see chapter 7, "Using the TV with a Personal Computer."

" The HDMI input processes signals as standard motion video and is not designed to process computer resolutions. Figure 9. Connecting a DVI device Chapter 2. TV Connections 27 DVD Player with Component Video Component video cables and analog audio cables are required. These are not included with the TV. 1. Connect the component video cables from Y PB PR VIDEO OUT on the back of the DVD player to the COMPONENT jacks on the TV backpanel, matching the red, green, and blue colored connections. 2. Connect left (white) and right (red) stereo audio cables from AUDIO OUT on the back of the DVD player to COMPONENT/AUDIO LEFT and RIGHT on the TV backpanel. A/V Receiver (Sound System) Most setups require either a digital audio cable or analog stereo audio cables. The TV makes all audio available in digital and analog formats. Analog audio coming into the TV is available in digital format on the DIGITAL AUDIO OUT jack. Digital incoming audio is available in analog format on the AUDIO OUT LEFT/RIGHT jacks. Usually, only one of the following connections is required: · To connect an analog A/V receiver Connect left (white) and right (red) audio cables from AUDIO OUT/LEFT and RIGHT on the TV back panel to the TV AUDIO INPUT on the A/V receiver. · To connect a digital A/V receiver with Dolby Digital surround sound and PCM audio support Connect one end of the digital audio cable to DIGITAL AUDIO OUT on the back of the TV.

Connect the other end to the COAXIAL DIGITAL INPUT on the back of the A/V receiver. R TM Figure 10. Connecting a DVD player with component video R TM Figure 11. Connecting audio from the TV to an A/V receiver Note: On rare occasions, an HDMI signal may be copy-protected and cannot be output from the TV as a digital signal. To hear these copy-protected signals through the A/V receiver, use connections for analog A/V receivers. Check the A/V receiver's Owner's Guide for information concerning use of the digital input and switching between digital sound and analog stereo sound from the TV. IMPORTANT See Appendix B for component video signal compatibility information. For digital audio connections to your A/V receiver, see your DVD player and A/V receiver Owner's Guides. 28 Chapter 2. TV Connections Older Cable Box Required: 3 coaxial cables, one two-way RF splitter. These are not included with the TV. When this setup is complete, you can use the TV remote control, when programmed, to change channels on the cable box. Note: This connection is not recommended. The other connections described in this chapter provide better quality audio and video to the TV. 1. Connect the incoming cable to IN on the RF splitter. 2. Connect one coaxial cable from OUT on the RF splitter to ANT 1/MAIN on the TV backpanel. 3. Connect one coaxial cable from OUT on the RF splitter to IN on the standard cable box. 4. Connect one coaxial cable from OUT on the cable box to ANT 2/AUX on the TV backpanel. Camcorder Required: Analog stereo audio cables and either an S-Video or composite video cable. NOTE: For IEEE 1394 camcorders, see also later in this chapter under "IEEE 1394 Devices." 1. Connect either an S-Video or composite video cable from VIDEO OUT on the camcorder to INPUT 3/ VIDEO or S-VIDEO on the TV. Connect only one type of video cable; S-Video is recommended, if available. 2. Connect left (white) and right (red) audio cables from AUDIO OUT on the camcorder to INPUT 3/ AUDIO L and AUDIO R on the TV. R TM Figure 12.

Connecting an older cable box Figure 13. Analog connections for a camcorder Chapter 2. TV Connections 29 IEEE 1394 Devices Compatible IEEE 1394 Devices Compatible A/V devices includes some, but not all, cable boxes, D-VHS VCRs, A/V discs, and future products.

Some devices may have IEEE 1394 connectors but are not compatible with the TV. Areas of compatibility to consider are: 1. Digital Video Signals The TV can decode MPEG2 video as provided by cable boxes and some camcorders. Many camcorders provide DV video, which the TV cannot decode. Connect a DV camcorder to the TV using analog audio plus composite video, S-video, or component video, or use HDMI audio/video. Other types of digital video, such as PC video provided by some computers, must be decoded by the source device and sent to the TV as analog video, S-video, or DVI/HDMI video. 2. Digital Audio Signals When received with video signals, the TV can decode Dolby Digital signals and MPEG audio signals. Other types of digital audio as provided by some digital recording devices, such as MP3 audio and DTS audio, cannot be decoded by the TV when received over IEEE 1394 connections. The TV may not be able to pass incompatible digital audio signals on the coaxial digital audio output. These signals may pass to other devices, however, on the IEEE 1394 cable. 3. Digital Control Signal The TV can serve as the control center for IEEE 1394 audio/video devices, such as VCRs, A/V Discs, tuners, cable boxes, and amplifiers that are compatible with the following IEEE 1394 control standards. · EIA-775. Designed for tuning devices such as cable boxes, allowing the device to send simple graphics. This standard does not, however, allow the TV to control the cable box by IEEE 1394. AV/C (Audio Video Control). Designed to provide basic controls such as play, stop, channel selection, and volume, as appropriate for the device.



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4-pin connector 6-pin connector 6-pin-to-4-pin adapter If you wish to connect a 6-pin device to the TV (such as a camcorder), and the device is designed to receive electrical power from another 6-pin device, there are several ways to provide electrical power to the device: · Connect the camcorder directly to the household AC. · Use the camcorder's battery for power. · Connect the camcorder directly to another 6-pin device in the network that can provide power. Connection Methods There are two connection methods for IEEE 1394 devices. Use the method that fits your network of audio/video products. Direct Device-To-Device Method The IEEE 1394 interface allows you to chain devices, unlike audio and video connections that require you to connect each individual device directly to the TV. For example, you can connect your D-VHS to your 1394A/V disc and then connect the 1394A/V disc to the TV. The resulting IEEE 1394 chain allows you to add more devices to the chain. You will see an icon for each device in the TV's Input Selection menu and can also send information from any IEEE 1394 device to other compatible devices.

· Hub Connection Method The IEEE 1394 standard allows you to use the TV as a hub within the audio/video network. Each device can send information, which may include audio and video, to any other device in the network. Four-Pin and 6-Pin Connections There are two different types of connectors used for IEEE 1394 terminals and cables: a 4-pin and a 6-pin type. Both types send the same digital audio, video, and control signals, but the 6-pin connectors can also supply low voltage electrical power to connected devices. This TV uses only 4-pin type connectors. A 6-pin connector cannot be connected directly to a 4-pin jack, and vice versa. To connect a 6-pin device to a 4-pin device, use a 6-pin-to-4-pin adapter or adapter cable. These cables are available from electronics and computer stores. 30 Chapter 2. TV Connections IEEE 1394 Devices, continued Tips for Connecting IEEE 1394 Devices · Do not loop the last device in the chain back to the TV.

When the device chain is looped, the TV may not be able to work with the other devices.

Place devices that have only a mechanical (two position) power switch at the end of the chain or leave the power switch in the on position. When turned off, IEEE 1394 signals may not be able to pass through the device to other devices. Place devices with the slowest communications speed at the end of the chain. Sometimes the communications speed is marked near the IEEE 1394 connector with an "S" number.

The higher the number, the faster

the communications speed. This TV has a communications speed of 400. Devices with slow communications speeds can interfere with IEEE 1394 signals from faster devices. When setting up a digital recording between a faster device and a slower device, make the slower device the source and make the faster device the recorder. Use IEEE 1394 cables 15 feet or less in length between devices.

This TV is an IEEE 1394 device. It can be used with an IEEE 1394b system when an IEEE-1394a-to-1394b converter is used. 1394b systems are capable of greater distances and multi-room applications. The TV can recognize a maximum of seven IEEE 1394 devices at any one time. IEEE 1394 Camcorders · Control Functions. Connect the camcorder to the TV's IEEE 1394 jack on the rear of the TV and test using the TV's remote control to operate the camcorder. If your model does not operate properly, use the camcorder's control buttons instead. MPEG Camcorder. If you are unable to playback over the IEEE 1394 interface, use the analog audio/video connections described in chapter 2, "TV Connections." DV Camcorder.

Connect the camcorder using the analog audio and video connections described in chapter 2, "TV Connections." . . . R TM . . . You can connect an IEEE 1394 camcorder with an IEEE 1394 cable or with analog audio/video cables. In either case, test using the TV's remote control to operate the camcorder over the IEEE 1394 cable. Chapter 2. TV Connections 31 IR Emitter NetCommand® and TV Guide On Screen An IR emitter cable is included with the TV. 5.

Place any unused ends behind the device to prevent stray signals from reaching the IR sensors. The NetCommand system uses emitters connected to the IR EMITTER jack to control other devices such as VCRs, DVD players, cable boxes, and satellite receivers. This control system is shared with the TV Guide On Screen system. 1.

Connect the plug end of the supplied IR emitter cable to the IR EMITTER NetCommand® jack on the TV back panel. 2. Run the cable for each of the emitter ends under, alongside, or over each device to be controlled so that the emitter ends are in front of the area where the remote control sensor is located. 3.

Position the emitter end with the emitter bulb facing the remote control sensor.

The bulb emits infrared light in a cone-shaped pattern. Place the bulb far enough from the sensor to allow the cone pattern to reach the sensor.

The IR sensor is usually behind the plastic window of the front display panel. It is sometimes visible with the aid of a flashlight and is normally a round or square cutout behind the plastic. If you cannot see the sensor and the device's Owner's Guide does not specify the location, you can find it by following these steps using the device's remote control: a.

Hold the remote about one-half inch from the front of the device. Starting from one end of the display window plastic, press the POWER button. b.

If the device does not respond, move the remote control one inch toward the center and try again. c. Repeat this until the device responds. d.

Not this location and then start over from the other end of the display window plastic, repeating until the device responds again.

The remote control sensor is somewhere between these two positions. This is usually enough accuracy for placement of the IR emitters.

With some devices, the emitter works better facing downward from the top of the device. Experiment if needed. 4. Secure the emitter ends in place using double-sided tape. R TM Figure 14. Connecting IR Emitter NetCommand Figure 15. IR emitters so the signal can be "seen" by the IR sensor on each device. IMPORTANT Position IR emitters so that each device's sensor "sees" the signal from only one emitter. Otherwise, a device receiving signals from multiple sources (remote controls, IR emitters) may not respond at all. 32 Chapter 2.

TV Connections Helpful Hints for NetCommand Connections Q. My VCR (or other device) does not have two sets of stereo audio outputs. How can I connect this device's audio to both the TV and the A/V Receiver? A. You need to connect the device to the TV and then make changes to the A/V receiver setup. 1.

Connect the VCR's audio and video to the TV; connect the single set of stereo audio outputs to the TV only. 2. Perform the procedure for setting up a device connection. See chapter 3, "TV Setup," and the section entitled "When You First Connect a Device." NetCommand IR Learning is optional.

2. Press INPUT to display the Input Selection menu, highlight the VCR's icon, and press ENTER to select the VCR. 3.

Press MENU to open the Main menu, highlight the NetCommand icon, and press ENTER. 4. Under AV RECEIVER SETUP, confirm that the text box displays None. 5. Press EXIT. After performing these steps, the TV will automatically pass the audio signal to the A/V receiver. Q.

I have both the TV stereo audio output and TV digital audio output connected to the same input designations on my A/V Receiver. How do I switch between analog audio and digital audio? A. In most setups, analog audio is also output as digital audio, so no switching is required, and there is no need to connect the analog output.

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In some circumstances, however, you may also need analog audio from the TV. For example, MP3 audio is only output in analog format, so you must connect the TV's analog AUDIO OUTPUT to the A/V Receiver if you want to hear MP3 audio through the A/V Receiver. Refer to your A/V Receiver user's guide to find out how analog/digital audio switching works. Q. The front panel of my A/V Receiver is too tall or too convex for the IR emitter signal to reach the remote control sensor of the A/V Receiver. What can I do? A.

There are several possible solutions.

· Mount the IREmitter on the top, front edge of the A/V Receiver over the remote control sensor. Use a tape to secure it in place. · Mount the IREmitter on the underside of the shelf above the A/V Receiver (if the A/V Receiver is in a cabinet). Use double-sided tape to secure it in place. · Some small stick-on emitters from other manufacturers may be compatible with this TV's IREmitter jacks.

These may be used instead of the supplied IREmitters. Q. I occasionally need to see the menu from my A/V Receiver. How can I connect it to the TV for this purpose? A. Connect the A/V Receiver's video output to an unused input on the TV and then use the A/V Receiver's remote control to display the menu.

1. Connect the video output of the A/V Receiver to an unused input on the TV; Input 3 on the front panel is the most convenient. The Auto Input Sensing screen will display when the TV detects the new connection. 2. Press EXIT to close the screen without naming the input. 3. Select INPUT 3 (or other input you used) from the Input Selection menu; press INPUT, highlight the Input 3 icon, and press ENTER. 4. Press the MENU key on the A/V Receiver's remote control to open the A/V Receiver's menu. 5. When finished, disconnect the A/V Receiver's video input from the TV.

Q. I have a high definition receiver I would like to connect and it also has an S-video output I would like to be able to use as well. Is there any way to connect this receiver both ways? A. Yes, this item will appear twice in the Input Selection Menu. Just add this unit once using the COMPONENT or HDMI input and once using one of the S-VIDEO inputs. Mitsubishi suggests that you connect stereo audio outputs with the S-video input only. 3 TV Setup Guidelines for Setting Up and Using Your New Widescreen TV When You First Power On the TV

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..... Using the TV's Setup Menu . . .

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.. When You First Connect a Device

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..... Initial NetCommand® Setup . .

..... Additional Setup Using the NetCommand Menu . . .

..... 34 36 36 39 42 43 34 Chapter 3. TV Setup Guidelines for Setting Up and Using Your New Widescreen TV Getting Started 1. Read this section entitled "Important Information About Your TV" starting on page 6. 2.

Choose a location for your TV. · Allow at least four inches of space on all sides of the TV to help prevent overheating. · Avoid locations where light may reflect off the screen. · See the stand requirements under "Important Information About Your TV." 3.

Install the batteries in the remote control. See chapter 4, "TV Operation and Features," for information on use of the remote control. 4. Plug your TV into a power outlet. The POWER indicator on the front of the TV will start blinking rapidly.

After the POWER indicator stops blinking, press the POWER key to power on the TV. 5. When the Welcome screen appears the first time you power on the TV, select a language for TV menus. You can later change the language through the Setup menu. 6. Some TVs are shipped from the factory with demo mode active for use in retail stores. If demo mode is active when you first turn on the TV: a. Press MENU. b.

When the Main menu appears with Setup highlighted, press ENTER.

c. When the Setup menu opens, press to highlight the on-screen Demo Mode Off button. d. Press ENTER. 7. Connect your A/V devices to the TV (see chapter 2, "TV Connections") and perform initial setup as described in chapter 3, "TV Setup." Chapter 3 also provides instructions for setting up NetCommand control of your home theater and for enabling the TV Guide On Screen® system. 8.

You can now start watching TV or you can perform additional setup and customization through the TV menus. To control recording, see the separate TV Guide On Screen® Interactive Program Guide User's Manual.

3. To understand use of the Input Selection menu with NetCommand-controlled devices, see chapter 6, "NetCommand Operations." 4.

If you have IEEE1394A/V devices, see chapter 6, "NetCommand Operations," for details on operating such devices. Additional TV Setup 1.

Review chapter 5, "TV Menu Settings," to customize TV operation. Press the MENU key to enter the menu system. Some examples of settings you may wish to change include: · Input Name. Change the device names that appear in the Input Selection menu. See "Input Name Menu."

· Icon Order. Rearrange the device icons in the Input Selection menu to put frequently used icons near the front. See "Icon Order Menu." · FAV. Create lists of your favorite channels so you can find them quickly. See "Channel Menu." · Parental Lock. You can restrict TV viewing by program rating or by time of day. You can also disable the front-panel buttons--useful if you have small children. See "Parental Lock Menu."

· Video Settings. Change the video adjustments to get the best picture for your viewing conditions. See "Audio/Video Menu."

You may wish to change the Picture Mode from the default Brilliant to either Bright or Natural, which are suitable for most home viewing environments. 2.

To program the remote control to operate A/V devices not under NetCommand control, see Appendix D, "Programming the Remote Control." TV Care · Lamp Cartridge. When the lamp cartridge needs replacement, replace the lamp yourself and save the cost of a service call. See Appendix C for instructions. General Cleaning.

To keep your TV looking its best, see the cleaning recommendations under "Important Information About Your TV." TV Operation 1. Review chapter 4, "TV Operation and Features," for TV features including: · Input Selection (viewing source). Select a connected program source to watch, such as a VCR, DVD player, or antenna. Press INPUT on the remote control to select from icons for the TV inputs.

See "Input Selection Menu." · Picture Formats. Press FORMAT to cycle through picture sizes and shapes to find the one best suited to the program you're watching. See "TV Signals and Display Formats." 2.

To use the TV to control recordings through NetCommand, see chapter 6, "NetCommand Operations." To use the TV Guide On Screen system · Assistance · · For troubleshooting, service, and product support, see Appendix E. For warranty information, see the TV warranty in the back of this book. Chapter 3. TV Setup 35
Installing the Remote Control Batteries 1. Remove the remote control's back cover by gently pressing in the tab and lifting off the cover. 2. Load the batteries, making sure the polarities (+) and (-) are correct. For best results, insert the negative (-) end first. 3.

Snap the cover back in place. 1 Care of the Remote Control · · · · · Use only alkaline batteries. Be within 20 feet of the equipment.

Do not press two or more buttons at the same time unless instructed to do so. Do not allow unit to get wet or become heated. Avoid dropping on hard surfaces.

Do not use harsh chemicals to clean. Use only a soft, lightly moistened cloth. Do not mix old and new batteries.



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