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IMMERSIVE SOUND LED LCD HDTV

with Integrated Sound Projector

MODELS

154 Series164 Series265 Series

BASIC OWNER'S GUIDE

This manual provides basic connection, setup, and operating instructions. Please visit our website at www. Mitsubishi-tv.com to view or download a detailed owner's guide that fully describes the features of this TV. Follow the Support link to the Product Documents page.

- For questions:
 - Visit our website at www.mitsubishi-tv.com.
 - E-mail us at MDEAservice@mdea.com.
 - Call Consumer Relations at 800-332-2119 for operational or connection assistance.
- For information on System Reset, please see the back cover.
- To order replacement or additional remote controls, visit our website at www.mitsuparts.com or call 800-553-7278.
- **265 Series.** IR emitter cables for NetCommand home-theater control are available for purchase from Mitsubishi. Call 800-553-7278 and request either part number 242D483020 (two-ended cable) or part number 299P254020 (four-ended cable).













CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's

enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING: This product shall be connected to a MAINS socket outlet with a protective earthing connection.

MAINS DISCONNECTION: The mains plug is used as the disconnect device. The mains plug shall remain readily operable.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

This apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

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

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, unplug the power cord, and disconnect all cables before moving it.

Note: Features and specifications described in this owner's guide are subject to change without notice.

Custom cabinet installation must allow for proper air circulation around the television.

NOTE TO CATV SYSTEM INSTALLER: THIS REMINDER IS PROVIDED TO CALL THE CATV SYSTEM INSTALLER'S ATTENTION TO ARTICLE 820-40 OF THE NEC THAT PROVIDES GUIDELINES FOR THE PROPER GROUNDING AND, IN PARTICULAR, SPECIFIES THAT THE CABLE GROUND SHALL BE CONNECTED TO THE GROUNDING SYSTEM OF THE BUILDING, AS CLOSE TO THE POINT OF CABLE ENTRY AS PRACTICAL.

Children and TV Viewing

The American Academy of Pediatrics discourages television viewing for children younger than two years of age.

FCC Declaration of Conformity

Product: LCD Flat Panel HDTV

Models: LT-55154

LT-40164, LT-46164, LT-55164

LT-46265, LT-55265

Responsible Mitsubishi Digital Electronics

Party: America, Inc.

9351 Jeronimo Road Irvine, CA 92618-1904

Telephone: (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,
- (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 communications. 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.

TV Software

Do not attempt to update the software of this TV with software or USB drives not provided by or authorized by Mitsubishi Digital Electronics America, Inc. Non-authorized software may damage the TV and will not be covered by the warranty.

For assistance call 1(800) 332-2119

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Cleaning Recommendations

Normally, light dusting with a dry, non-scratching duster will keep your TV clean. If cleaning beyond this is needed, please use the following guidelines:

First, turn off the TV and unplug the power cord from the power outlet.

Occasionally clean dust build-up from the air-intake grilles on the back and sides of the TV. Clean using a vacuum cleaner with a brush attachment.

Top and Sides of the TV

 Gently wipe down your TV with a soft, non-abrasive cloth such as cotton flannel, microfiber, or a clean cloth diaper, lightly moistened with water. Dry with a second dry, soft, non-abrasive cloth.



For oily dirt, add a few drops of mild liquid detergent, such as dishwashing detergent, to the water used to moisten the cloth. Rinse with a second cloth moistened only with water. Dry with a third dry, soft, non-abrasive cloth.

Screen

IMPORTANT

DO NOT apply any type of liquid to the surface of the TV screen.

- Use only a soft, dry cloth to clean the LCD screen. Do not use any liquids.
- Wipe the screen gently with an up and down motion.
- Clean the entire screen evenly, not just sections of the screen.

General Cleaning Precautions

- DO NOT allow liquid to enter the TV through the ventilation slots or any crevice.
- DO NOT use any strong or abrasive cleaners, as these can scratch the surfaces.
- DO NOT use any cleaners containing ammonia, bleach, alcohol, benzene, or thinners, as these can dull the surfaces.
- DO NOT spray liquids or cleaners directly on the TV's surfaces.
- DO NOT scrub or rub the TV harshly. Wipe it gently.

Important Safety Instructions

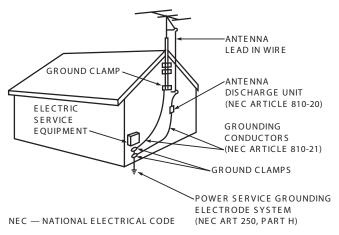
Please read the following safeguards for your TV and retain for future reference. Always follow all warnings and instructions marked on the television.

- 1) Read these instructions.
- 2) Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- 5) Do not use this apparatus near water.
- Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

EXAMPLE OF ANTENNA GROUNDING



Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the TV, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges.

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.

If Your TV Gets Damaged

Crystalline liquid may leak from the LCD panel and broken glass may be scattered.

CAUTION: The crystalline liquid is toxic. Avoid contact with your skin, eyes, or mouth. DO NOT touch the broken glass or crystalline liquid. DO NOT get glass fragments or crystalline liquid into eyes or mouth. Should either contact your eyes or mouth, rinse the contacted area thoroughly with water and consult your doctor.

Disposal of Your TV

The LCD panel contains a small amount of crystalline liquid which is toxic and should not be touched.

DO NOT dispose of the **TV** with general household waste. For disposal or recycling information, contact your local authorities or the Electronic Industries Alliance at www.eiae.org.

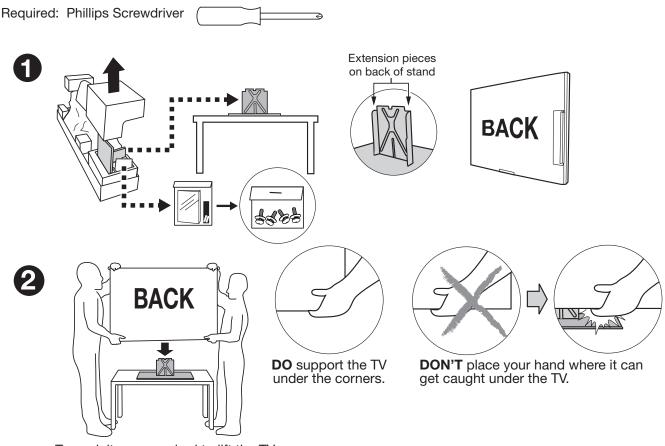
Stand Installation

CAUTION

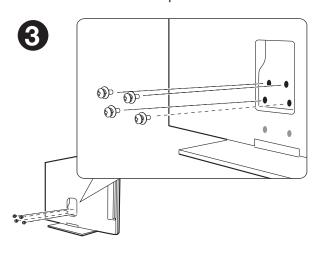
- Using this TV with other than the authorized accessories may cause the TV to become unstable, which can cause damage to the product or possible injury.
- At least TWO PEOPLE are required to install the stand. Support the TV near the corners as shown. Failure to follow these recommendations may result in personal injury and damage to the product.

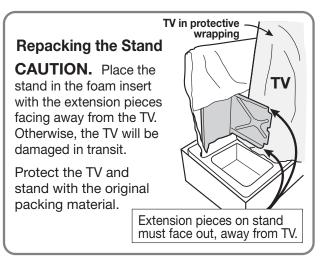
Note

- 40- or 46-inch TV: If planning to wall-mount the TV, there is no need to install the stand.
- 55-inch TV: The TV comes from the factory with the stand pre-installed.



Two adults are required to lift the TV.





Wall-Mounting

To order a wall-mount kit, please contact Peerless Industries, Inc. at (800) 473-3753 or visit www.peerlessmounts.com. Order wall-mount kit model ST650.

To order a wall-mount kit from Mitsubishi Digital Electronics America, Inc., please visit www.mitsuparts.com or call (800) 553-7278.

Complete installation instructions are included with the kit.

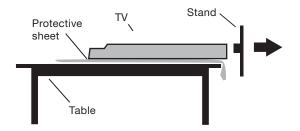
Stand Removal Prior to Wall-Mounting

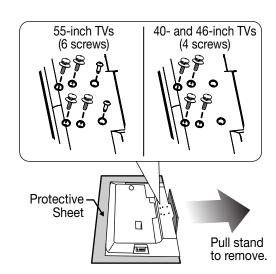
CAUTION

At least TWO PEOPLE are needed to safely remove the stand. Have one person hold the TV while the other person removes the stand. Failure to follow these recommendations may result in personal injury and damage to the product.

Note

- **55-inch TV:** Remove the factory-installed stand prior to wall-mounting.
- **40- or 46-inch TV:** If you installed the stand for table-top use, follow these instructions to remove it prior to wall-mounting the TV.
- Disconnect the TV's AC power cord from the AC power outlet.
- 2. Spread the protective sheet that was wrapped around the TV on a flat, even surface, such as a sturdy table. The protective sheet will help prevent damage to the display.
 - IMPORTANT: To avoid damaging the screen, make sure there are no foreign objects under or on top of the protective sheet.
- 3. Position one person on each side of the TV (left and right sides). Have each person firmly grasp their side of the TV and gently place it face down on the protective sheet with the display stand hanging over the edge of the table. See the illustration to the right.
- 4. Use a magnetic philips screwdriver to remove the stand screws from the recessed holes (see illustration to right). Note: A regular screwdriver can be used with a separate magnetic pick-up tool.
- 5. While one person holds the TV with both hands, have the other person grasp the stand (see illustration to the right) and remove the stand by pulling it away from the TV in the direction of the large arrow shown in both illustrations.





Service and Customer Support

Service

If you are unable to correct a problem with your TV, consult Mitsubishi Consumer Relations at (800) 332-2119.

- DO NOT adjust any controls other than those described in this Owner's Guide.
- DO NOT remove the protective back cover of your TV.

Customer Support

- To order replacement or additional remote controls, visit our website at www.mitsuparts.com or call (800) 553-7278.
- For questions:
 - Call Consumer Relations at 800-332-2119.
 - E-mail: MDEAservice@mdea.com
 - Website: www.mitsubishi-tv.com

Basic Setup and Operation

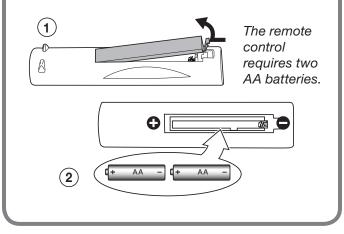
Package Contents

Please take a moment to review the following list of items to ensure that you have received everything.

Remote Control	1 0 0 0 0 1 1 H 1 0 0 1 0 0 1 1 H 1 0 0 1 0 1
Two AA Batteries	(+ AA -
Basic Owner's Guide	A Diagram to American state of the Control of the C
Quick Setup Guide	A gray from him has been been been been been been been bee
Product Registration Card	
Power Cord	
Cable Ties	
Stand Screws (40- and 46-inch TVs only)	8888
265 Series. Calibration Microphone	

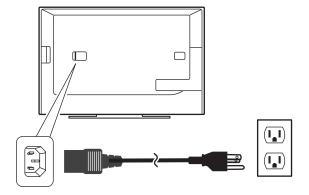
Installing the Remote Control Batteries

- 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.



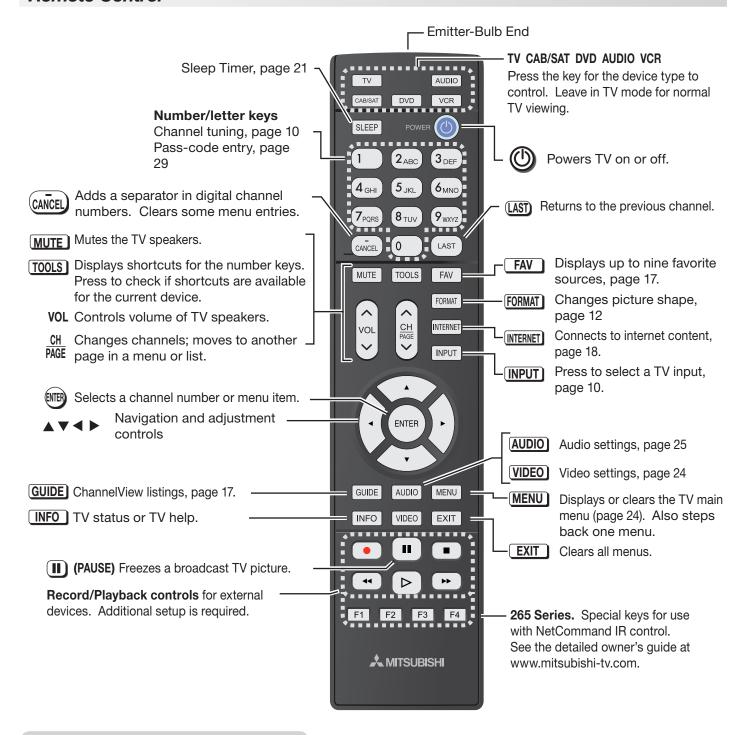
Before You Begin

- Review the important safety, installation, and operating information at the beginning of this book.
- Choose a location for your TV.
 - See the stand-installation or wall-mounting requirements starting on page 5.
 - Allow at least four inches of space on all sides of the TV to help prevent overheating. Overheating may cause premature failure of the TV.
 - Avoid locations where light may reflect off the screen.
- 3. Install the batteries in the remote control.
- 4. Plug the TV into an AC power outlet.



TV power connection

Remote Control



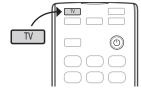
The TV's remote control can operate other audio/video devices using any of these methods:

- Program the remote control for the device.
- Set up HDMI Control for HDMI devices compatible with the TV.
- 265 Series. Perform NetCommand setup of device keys.

See the detailed owner's guide at www.mitsubishi-tv.com for information.

First-Time Power-On

 Press the TV key to ensure that the remote control is in TV mode.



Aim the emitter (bulb)
 end of the remote control
 at the TV and press the
 POWER key Wait for the
 Welcome screen.



 If you wish to change the menu language to Español, press ▼.



 Press ➤ to move to the energy-mode selections. Select Home.



 Press ➤ to highlight EXIT. Press ENTER to clear the menu.



Welcome Screen Energy Options

- Mitsubishi recommends the Home setting, which uses power within ENERGY STAR[®] guidelines.
- The Retail setting looks best under bright lighting. In this mode, the TV uses power in excess of ENERGY STAR guidelines.

This table compares energy choices offered in the **Welcome** screen.

	Home	Retail
Picture Mode	Bright	Brilliant
Backlight Level	Reduced Brightness	Full Brightness
		-

Setting Up and Using TV Inputs

Using the ANT (Antenna) Input

If using an antenna or direct cable service (no cable box), connect the incoming coaxial cable to the TV's **ANT** input. Refer to page 16.

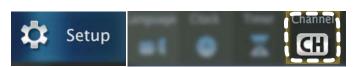
You must perform a channel scan to enable reception of digital channels. If you skip this step, the TV will receive only analog channels. The channel scan will search for high-definition and standard-definition channels available in the local area.

Memorizing Channels with Channel Scan

For the ANT input

To start channel memorization

- 1. Power on the TV.
- Press MENU and open the Setup > Channel menu.
 First press ▼ to navigate to the Setup icon, then use ▶ to highlight the Channel icon.



Start channel memorization from the Setup > Channel menu

- 3. Press ▼ to enter the menu.
- 4. Highlight Ant Air if connected to an over-the-air antenna. Highlight Ant Cable for service over direct cable (no cable box). Press ENTER to add a check.



5. For first-time setup, highlight All channels. To scan for channels not already in memory, highlight New only. Press ENTER to add a check.



Highlight Scan and press ENTER.
 Channel memorization may take up to 15 minutes to complete.



To stop channel memorization before completion, press CANCEL.

Setting Up and Using TV Inputs, continued

Setting Up Other Inputs

- 1. Power on the TV.
- 2. Power on the devices to ensure detection.
- Connect one device to the TV, making note of the TV input jack.
 - The TV will display the **New Device Found** screen if the connection type is detectable.
- 4. Highlight the device type in the on-screen list and press ENTER. The name you select here will appear in the *Input Selection* menu.



- 5. Press EXIT to close the New Device Found screen.
- **6.** Repeat steps 3 through 5 for each additional device you want to add.

About Auto Input Sensing

This TV's Easy Connect™ Auto Input Sensing feature detects most input connections automatically. Some exceptions are:

- A connection on the **ANT** input
- TV audio outputs (analog and digital)
- An HDMI-equipped device that is powered off.
 Power on the device first to ensure detection.
- Ethernet

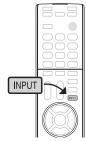
Auto Input Sensing for Most Devices

When you first connect a device, the TV will:

- a. Detect the connected device and automatically switch to it.
- b. Prompt you to identify the device type.
- c. Repeat these steps for other newly detected devices.

Selecting an Input to Watch

1. Press INPUT.





Sample Input Selection menu, antenna input selected

- 2. Press ◀ ▶ to highlight an input icon.
- **3.** Press **ENTER** to switch to the input.

Tuning to Channels on the Antenna Input

- Enter the channel number using the number keys on the remote control and press **ENTER**.
- For a two-part digital channel, such as 3-1, press 3 (CANCEL) 1.
- Press CH ^/∨ to change channels one channel at a time.
- Press (LAST) to return to the previous channel.
- Use the Fav (Favorites) feature to tune to up to nine favorite channels. See page 17.
- Press GUIDE to display ChannelView channel listings, highlight a channel number, and press ENTER to tune.

Basic TV Operation

Picture Settings

- To get the best picture under different viewing conditions, set the Picture Mode first before changing other video settings. See page 24 for a description of the options.
 - a. Press VIDEO.
 - b. Press ▼ until the Picture Mode option displays.



c. Press ▶ to make one of these selections:

Name	When to Use
Brilliant	Under bright light
Game	With gaming consoles (inputs named Game or PC only)
Bright	For most daytime viewing
Natural	For most nighttime viewing

- 2. Press ▼ to display the name of another adjustment.
- 3. Press **♦** to make the adjustment.
- 4. Wait a few seconds and the display will clear.

See also these menus:

Menu	Page
Picture > Picture Plus	24
265 Series. Picture > Perfect	25

Audio Controls

Changing the Audio Output

To switch from the internal TV speakers to an external sound system:

- 1. Press AUDIO.
- Press ▼ to display the TV Speakers option.
- 3. Press ◀ ▶ to change.

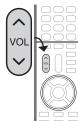


Changing Audio Settings (TV Speakers Only)

- 1. Press AUDIO.
- 2. Press ▼ to display the name of the adjustment you want. See page 25 for options.
- 3. Press ▶ to change.

Controlling Sound Volume

- See the full owner's guide at www.mitsubishi-tv.com for methods of controlling A/V receiver volume.



POWER Indicator



Key

Off
Steady On
Slow Blinking
Fast Blinking

LED Color	TV Condition		
None O	TV is powered off. Normal operation.		
Green O	TV is powered on. Normal operation.		
Green O	TV powered off, auto-on TV Timer is set. Normal operation. TV can be turned on at any time.		
Green ©	Software download in progress (applies only if home network is connected). TV cannot be powered on until complete. Do not unplug the TV during download.		
Red/ O	TV may require service.Hold power button on front panel for 10 seconds to reset TV.		
	If LED continues to flash red and yellow after reset, turn off the TV and unplug it from the AC power source. Wait one minute and then plug the set back in.		
	If LED continues to flash red and yellow, go to www.mitsubishi-tv.com or call 1-800-332-2119 to receive Authorized Service Center information.		
	You may be asked to count how many times the LED flashes each color to assist in troubleshooting.		

Basic TV Operation, continued

The FORMAT Key and Picture Shape



Repeatedly press the FORMAT key to cycle through displays available for the current program. The TV will remember the format you last used on each input.

Important

Black bars at the edges of the screen are common in HD pictures. Black bars are not a defect of the TV.

- Black bars are added by broadcasters to fill the 16:9 screen area while preserving the original aspect ratio of the picture.
- Your cable box or satellite receiver may also be altering the broadcast picture. If your receiver offers output in native format, try using it with Mitsubishi picture formats.

Sample Uses of the FORMAT Key

You can use the **FORMAT** key to reduce or eliminate black areas at the edges of the picture.

Press

FORMAT)



Squarish 4:3 image is narrower than the 16:9 screen; unused areas at the sides are filled with black.



Wide Expand mode stretches the picture sideways to fill the screen.



Wide 2.35:1 anamorphic DVD image; unused areas at the top and bottom are filled with black (letterbox effect).



Zoom mode. The picture fills the screen. All four edges are cropped in this mode.

More TV Features

Features covered in this Basic Owner's Guide include:

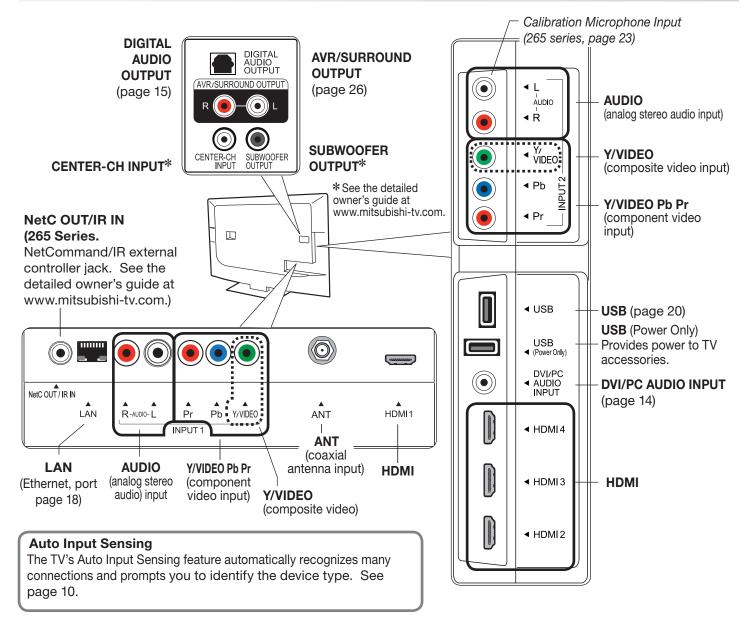
Feature	Page
Parental controls (Lock menu)	29
TV Clock. Set the TV Clock if you plan to use the TV Timer (page 27) or ChannelView (page 17).	27
Favorite sources	17
ChannelView channel listings	17
Changing input names in the <i>Input Selection</i> menu (<i>Inputs</i> > <i>Name</i> menu)	
Digital camera images and music files	
Programming the Remote Control See the detailed owner's guide at www.mitsubishi-tv.com for a complete code list.	
Internet video streaming	
265 Series. Listening to a wireless audio device with the TV speakers	

See the detailed Owner's Guide at www.mitsubishi-tv.com for more on the features described here and to learn about other features, including:

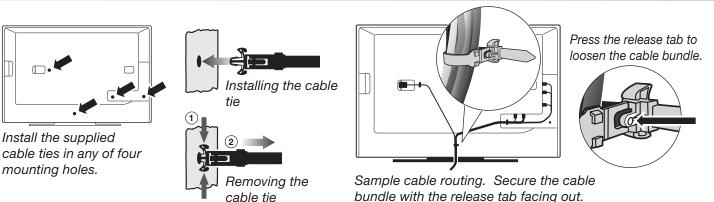
- HDMI control (CEC) of other A/V devices
- Center and rear channel audio output
- Using an external subwoofer
- Using the TV with a computer
- 265 Series. NetCommand IR control of other A/V devices. Use of NetCommand requires purchase of IR emitter cables from Mitsubishi.

2 TV Connections

Input and Output Jacks

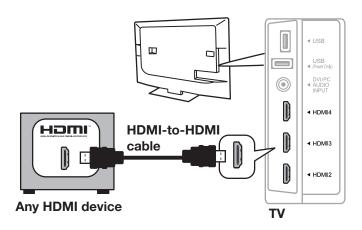


Cable Routing



HDMI Device

Mitsubishi recommends using high-speed HDMI cables to connect newer devices incorporating HDMI technology.



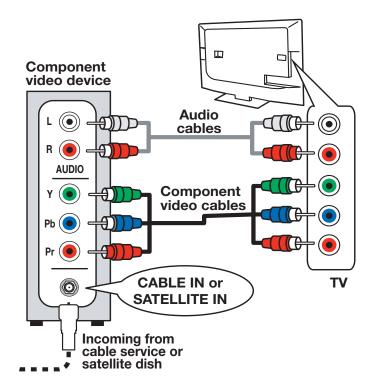
HDMI and Digital Surround Sound

The TV's HDMI inputs can receive digital surround sound from an HDMI device. Use an HDMI connection if you want to hear digital surround sound from the TV's internal speaker array.

Y Pb Pr Component Video Device

Required:

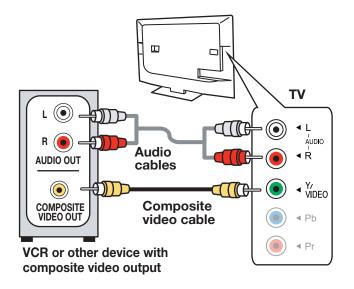
- RCA-type component video cables
- Left/right analog stereo audio cables



Composite Video Device

Required:

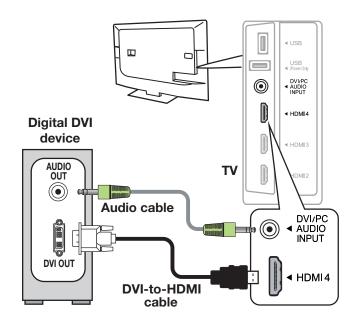
- Composite video cable (usually yellow)
- Left/right analog stereo audio cables



DVI Video Device

Required:

- DVI-to-HDMI cable or DVI/HDMI adapter and HDMI cable
- Analog stereo cable with mini plugs

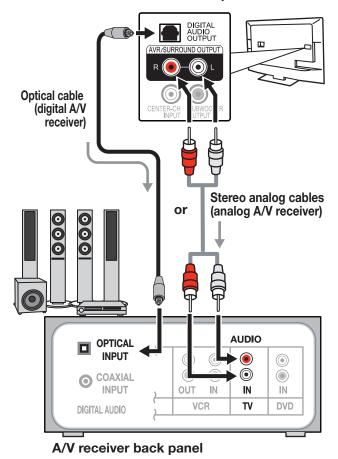


A/V Receiver

Most setups require either an optical audio cable or analog stereo audio cables. To send audio from TV channels received on the **ANT** input or devices connected directly to the TV, you must use one of the connections shown below.

The TV makes all audio available in digital and analog formats:

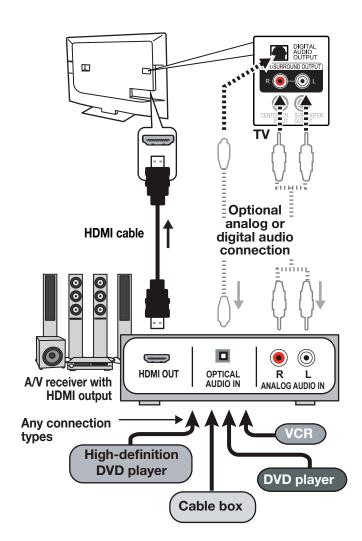
- Analog audio coming into the TV is available as output in digital stereo format on the DIGITAL AUDIO OUTPUT jack.
- Digital incoming audio is available as analog output on the AVR/SURROUND L and R jacks.



A/V Receiver with HDMI Output

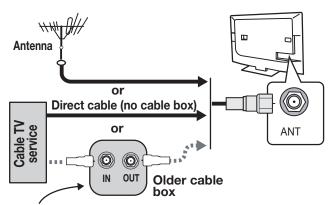
Required: One HDMI-to-HDMI cable

This option allows you to view content from devices connected to an A/V receiver. The A/V receiver can send audio and video to the TV over a single HDMI cable. You can use an HDMI connection as described here in addition to an audio connection from the TV's audio output. The optional audio connection allows you to hear, through the A/V receiver, devices connected to the TV only, e.g., an antenna on the **ANT** input.



Antenna or Cable TV Service

Connect the incoming cable to the TV's ANT input.



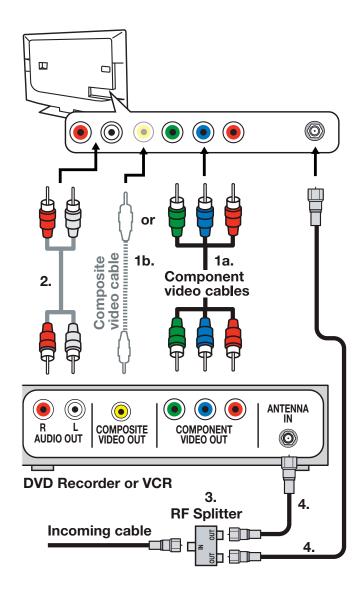
Not recommeded. Other connection types provide better quality audio and video.

VCR or DVD Recorder to an Antenna or Wall Outlet Cable

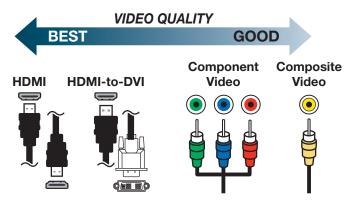
Required:

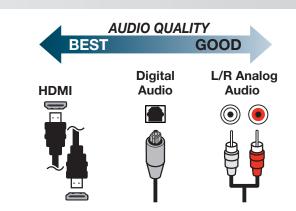
- Video cables
 - Component video cables (red/blue/green)
 or
 - 1b. Composite video cable (usually yellow)
- 2. Left/right analog audio cables.
- 3. Two-way RF splitter
- 4. Two coaxial cables

Note: If your recording device has an analog-only tuner, you must use a digital converter box to enable recording of digital broadcasts.



Connection Types and Audio/Video Quality

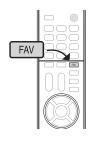


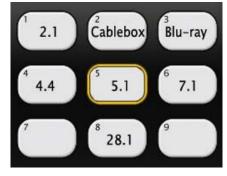


3 TV Features

FAV (Favorites)

The **FAV** key gives you quick access to favorite program sources. Sources can be channels from the **ANT** input or devices connected to the TV. You can store up to nine favorites.





Sample Favorites menu. Switch to favorite channels or inputs using number keys.

 Press INPUT and switch the TV to the input you want to add. If adding a channel, switch to the ANT input and tune to the channel.

2. Press the FAV key.

3. Move the highlight to the number position you want to assign to the channel or input.

4. Press ENTER.

Adding Favorites

1. While watching TV, press the **FAV** key.

2. In the *Favorites* menu, highlight the channel or input you want to remove.

3. Press CANCEL.

1. While watching TV, press the FAV key.

2. Press the number key for the channel or input you want.

ChannelView Channel Listings

About ChannelView

ChannelView displays program descriptions sent by broadcasters. This information may be unavailable in some areas.

ChannelView™ shows memorized channels on the **ANT** input. It displays channel names and program information for digital channels. No program information is displayed for analog channels.

ChannelView allows you to set up three banks of custom channels for convenient access. You can save groups of channels by content (e.g., news, sports, children's programming) or by TV user.

Note: You must first set the TV Clock (page 27) to receive ChannelView listings.



ChannelView "All" channels tab. Programs for the tuned channel are listed on right side of screen.

ChannelView Custom Channel Banks



Select a channel bank to customize.

- 1. Press GUIDE to display ChannelView.
- Press MENU to move the highlight to the bank header.
- 3. Press ► to select Bank 1, 2, or 3.
- **4.** With the bank name highlighted, press **ENTER** to enter setup mode where you can select channels to include in the bank.
- 5. Press **EXIT** when finished with setup.

Using Custom Channel Banks

- While watching TV, press CH ∧/∨. The TV will tune only to channels stored in the current bank.
- To change to a different channel bank:
 - 1. Press GUIDE.
 - 2. Press MENU.
 - **3.** Press **◆ ▶** to highlight a bank.
 - 4. Press **MENU** to see channels in the bank.
- To allow tuning to any channel in memory, select the All bank.

For assistance call 1(800) 332-2119

StreamTVTM Internet Media

Internet services provided by $VUDU_{TM}$ Apps let you access many popular on-line applications. In addition to free content, VUDU's movie service lets you buy and rent movies through the TV. Visit www.VUDU.com to learn more about available movie titles, prices, and services offered. For a list of recommended routers and switches, see the **Support > FAQ** section at VUDU.com.

Required for StreamTV internet media:

- Broadband internet service (at least 2 Mbps for SD, 4 Mbps for HD, and 8 Mbps for 1080p HDX)
- Ethernet cable or to connect a 154 series TV wirelessly, an Azurewave AW-NU231 USB wireless adapter.
- Computer access to the VUDU.com website (required for initial account activation).
- A credit card for rental and purchase transactions from VUDU's movie service.

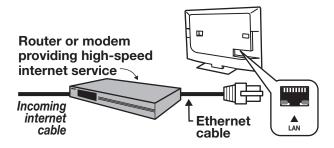
Home Network Setup

Before using StreamTV internet media, you must connect the TV to the internet using one of these methods.

Ethernet Connection

DHCP (automatic)

Connect the TV to your network router with a Category-5 Ethernet cable (not supplied).



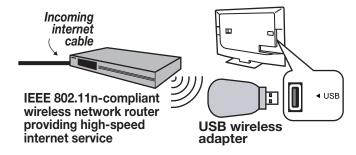
- 2. Open the **Setup** > **Network** menu to review settings.
- 3. Press EXIT to clear the menu.

Manual

- 1. Connect the TV to your network router with a Category-5 Ethernet cable (not supplied).
- In the Setup > Network menu, highlight Manual and press ENTER.
- 3. Press ▶ to move to the Connection Data area.
- 4. Input the connection data.
- After entering connection data, press ENTER to connect.
- **6.** Change any of the following if needed:
 - Default Gateway
 - DNS
 - Subnet Mask

Wireless Connection

- 164 and 265 series models have built-in wireless capabilities and can communicate directly with your wireless router.
- 154 series TVs require an Azurewave AW-NU231 USB wireless adapter.
- 1. Disconnect the Ethernet cable if present.
- **2.** For a 154 series TV, connect the USB wireless adapter.



154 Series TV. A USB wireless adapter is required for wireless connection.

 Open the Setup > Network menu. After a few moments, detected networks will appear listed on the screen in order of signal strength.



Setup > Network menu

4. Highlight the desired network and press ENTER to connect. A check will appear next to the connected network.



Setup > Network menu after connecting. The active network is checked and connection data displays.

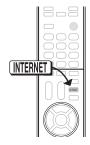
If connecting to a secure network, enter the network key or password on the remote control when prompted.

For assistance call 1(800) 332-2119

StreamTV™ Internet Media, continued

Using StreamTV Internet Media

After establishing internet connectivity, press the INTERNET key to display services from VUDU Apps. Press ENTER to launch an application.



Getting Started with VUDU Movies

- After establishing internet connectivity, press INTERNET to display offerings from VUDU_{TM}.
- 2. Select the VUDU movie service.
- 3. Browse the VUDU movie catalog and offerings.
- 4. When you are ready to rent or buy a movie, you will be prompted to activate your VUDU account. Follow the on-screen instructions and use a computer to go to www.VUDU.com/activation. A credit card is required for activation.

Once your account is activated, you can rent and buy movies using only the TV and the TV's remote control.

Specialized Keys for VUDU

INTERNET Displays the VUDU internet menu.		
GUIDE VUDU HOME key		
INFO	VUDU MORE key	
LAST	VUDU BACK key (goes to previous menu)	
CANCEL	VUDU backspace (in text-entry screens)	
F2	VUDU System menu	
EXIT	Exit VUDU	

Troubleshooting

If You Are Unable to Connect to the Internet

- Check all power and data connections.
- If you can reach the internet with a computer or other device on the same internet service used by the TV, consult the router or modem owner's guide for reset instructions.
- If you cannot reach the internet, contact your service provider. You may be asked for network information such as the TV's IP address. Go to the Setup > Network menu to see connection data.

For Further Assistance

- If you are having trouble connecting your TV or accessing internet applications, contact Mitsubishi Customer Care at 1-800-332-2119.
- If you are having difficulty with your VUDU account, contact VUDU Customer Care at www.VUDU.com/support.
- See more troubleshooting tips in Appendix B.

Wireless Audio Playback

164 and 265 Series. The TV's built-in speaker array can play audio from a handheld device using *Bluetooth*® A2DP (stereo audio) wireless technology.

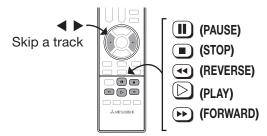
Pairing the TV with an Audio Device

- Turn on the wireless device you wish to use for playback. Turn off all other wireless devices in the area as the TV can pair with only one device at a time.
- 2. Press INPUT to display the Input Selection menu.



Bluetooth® icon in Input Selection Menu

- 3. Highlight the **Bluetooth** icon and press **ENTER**.
- **4.** Pair your device with the TV and then connect. Some devices pair and connect automatically, while others require you to enter the TV pass code displayed.
- **5.** Use keys on the TV's remote control to control playback. Not all keys work for all devices.



Resetting *Bluetooth* Pairing or Connection

Perform this reset if the audio device does not connect properly to the TV.

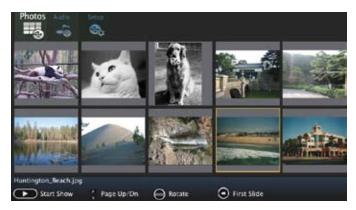
- 1. If the audio device has been previously paired with the TV, delete the TV from the device's paired list.
- Go to the TV's *Inputs > Name* menu and highlight the *Bluetooth* icon. Press ENTER to select Off.
- 3. Press EXIT.
- **4.** Go to the *Inputs* > *Name* menu and highlight the *Bluetooth* icon. Press **ENTER** to select **On**.
- 5. Press EXIT.

Tips for Wireless Playback

- Selecting the **Bluetooth** icon at a later time will reconnect the TV to the paired device.
- If the paired device is not available, the TV will accept pairing from a different device.
- Once connection is lost, the TV will power off after five minutes without receiving a signal.
- To clear a paired device, turn off the Bluetooth icon (Inputs > Name menu) or pair the TV with a different device.

Camera Images and Music Files

USB Media Player Menu

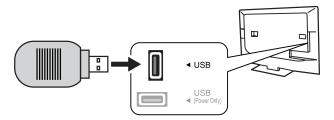


USB Media menu, Photos option selected

Displaying the Menu

Note: Back up the data on your USB drive before connecting it to the TV. Mitsubishi is not responsible for any file damage or data loss.

Connect your USB drive to the TV's USB port.
 The USB Media Player menu displays while files are being read. Wait until icons appear in the menu before continuing.



The TV can read photo and music files from the USB port.

Notes on Using the USB Port

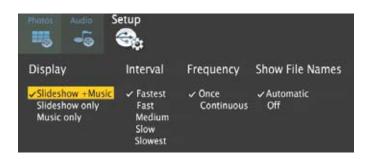
- The TV ignores all commands while reading files.
- Large files or high-capacity storage devices may take a long time to display.
- Some manufacturers' devices may be incompatible with the TV. If the TV is unable to display your photos, you can:
 - Transfer files to a different USB device.
 - Use your digital camera's composite video output.

Picture Files Compatible with the USB Port

- Still images recorded using the Exchangeable Image File Format, version 2.1 (EXIF 2.1) standard for digital still cameras and Design Rules for Camera File Systems version 1.0 (DCF 1.0)
- Some images opened and resaved on a computer may not play back or may not display in the thumbnail list.
- Full file path names can be no longer than 50 characters and must end in a .jpg extension.



Use the *USB Media Setup* menu to set up play of a slide show or playlist.



IMPORTANT

Always stop playback with (STOP) or change to a different TV input before disconnecting your USB device.



Using the Photos and Audio Menus

Use these keys with your photo and audio files.

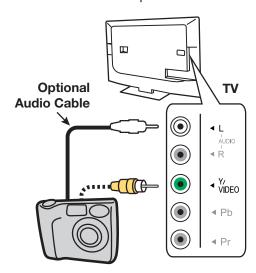
Key	For Photo or Audio Tracks		
⊘ or ENTER	Plays the slide show or playlist starting from the highlighted item.		
	Pauses a slide show or playlist.		
	Stops a slide show or playlist.		
44 P	 Highlights the first or last item on the current page. Skips to the previous or next item during play. 		
CH PAGE	 Displays the previous or next page of items. Skips immediately to the previous or next item during play. 		
GUIDE	Rotates an image clockwise in 90° increments.		
INFO	Displays the item name during play. Press EXIT to clear.		
EXIT	Clears on-screen displays.		
MENU	Displays the main menu; stops play.		
INPUT	Displays the <i>Input Selection</i> menu; stops play.		

Camera Images and Music Files continued

Photos and Moving Video as Composite Video

Connect the camera to the TV using a composite video cable and control the slide show or movie through the camera. The display resolution will be standard-definition (480i).

- 1. Refer to the owner's manual supplied with the camera for instructions needed for this setup.
- Set the camera's output signal type to NTSC and put the camera into playback mode.
- 3. With the camera still turned on, connect your digital camera's composite video cable (usually yellow) to the TV's Y/VIDEO jack. To hear audio, connect the camera's audio output cable to the AUDIO L jack.



Camera connection using a composite video cable

- When the New Device Found screen displays, assign the name Camcorder.
- Press EXIT to close the New Device Found screen.
- Highlight the icon for the camera input and press ENTER.



- If viewing photos, advance through the images manually or set the camera to advance automatically.
- If viewing photos, control the slideshow from the camera. Advance through the images manually or check if the camera can advance automatically.

Sleep Timer

The Sleep Timer turns the TV off after the length of time you set. To set the TV to turn on at a certain time of day, see the **Setup > Timer** menu on page 27.

Setting the Sleep Timer

1. Press SLEEP.



- Press SLEEP additional times to increase the time in 30-minute increments up to the maximum of 120 minutes.
- **3.** Press **EXIT** or wait five seconds without pressing any keys for the message to clear.

Viewing or Changing the Sleep Timer

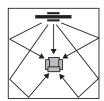
- 1. Press **SLEEP** to display the on-screen message.
- Press SLEEP additional times to change the time before the TV powers off. To cancel the Sleep Timer, press SLEEP repeatedly until OFF is displayed.

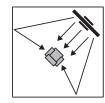
Sound Projector

Positioning the TV

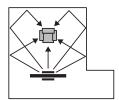
The TV's built-in speaker array can be set up to reflect sound off the room walls to create a surround sound effect.

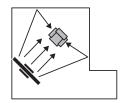
- Center the seating area in front of the TV and at least six feet away.
- Arrangements that give good results:



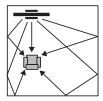


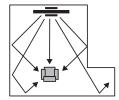
 If the room is an odd shape, locate the TV to take best advantage of wall reflections.





Avoid locations that may distort sound reflections.





Connecting the TV

To hear digital surround sound, the TV must be connected to a digital surround sound source. The surround sound source can be on an HDMI input or the **ANT** input (for some digital broadcasts). Other stereo connections will provide Dolby Pro Logic surround sound.

Manual Setup

Manual setup is available for all models.

Note: If you have already performed Auto setup, any manual adjustments will erase all settings created during Auto setup.

1. Press MENU and go to Sound > SoundPro.



 Enter the room dimensions and layout information requested in the screen. To change measurements, press ▲ ▼ or enter numbers using the remote control's keypad.

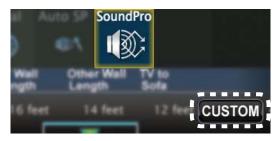


- 3. Press EXIT to exit and save settings.
- 4. Play some sample audio to check sound quality. If further adjustment is needed, use the *Custom* menu as described next.

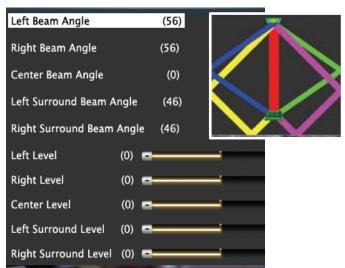
Custom Menu

Use the *Custom* menu after defining the room layout.

 From the Sound > SoundPro menu go to the CUSTOM menu.



Position yourself in your usual viewing location. Remain in this position, looking at the TV, while making the following adjustments.



Controls in the SoundPro > Custom menu adjust the TV's sound output.

Sound Projector, continued

3. Adjusting Beam Angles

- Adjust Center Beam Angle until sound is about equal in both ears.
- **b.** Adjust **Left Beam Angle** to maximize sound heard from the front left side.
- c. Adjust Right Beam Angle to maximize sound heard from the front right side.
- d. Adjust Left Surround Beam Angle to where the sound seems to come from the left rear side. If this cannot be achieved, make the setting the same as that for Left Beam Angle.
- e. Adjust Right Surround Beam Angle to where the sound seems to come from the right rear side. If this cannot be achieved, make the setting the same as that for Right Beam Angle.

4. Adjusting Levels

- a. Adjust Center Level to the mid level.
- b. Adjust the following levels one at a time so that each one sounds about the same as the center level:

Left Level Right Level Left Surround Level Right Surround Level

- c. Check all sound levels by quickly switching between them using ▲ ▼.
- d. Readjust individual levels in small increments and recheck as above until all sound levels seem about the same.

Resetting Angle and Level Values in the Custom Menu

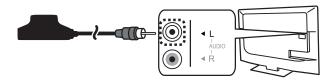
- 1. Press EXIT to clear all menus.
- Press MENU. Go to the Sound > SoundPro menu and press ENTER.
- **3.** Change any setting (e.g., **TV Location**).
- Press EXIT to clear all menus.
- Press MENU. Go to the Sound > SoundPro menu and press ENTER.
- Enter the correct values for the room layout.
- 7. Return to the **CUSTOM** menu to adjust angles and levels.

Auto Setup

265 Series

This section describes auto-setup available with 265 series TVs. Auto setup uses the included calibration microphone.

- 1. Power on the TV and external subwoofer, if any.
- Plug the microphone cable into the TV's INPUT 2 left audio jack.



- Place the microphone as described in the guidelines.
- Press MENU and go to Sound > AutoSP.



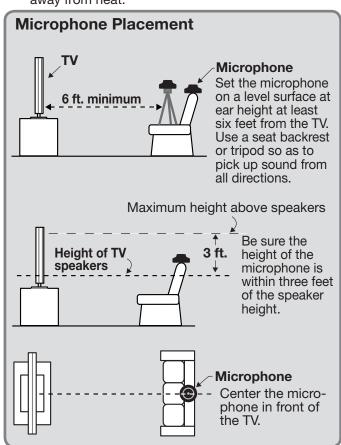
5. Highlight **START** and press **ENTER**.



- **6.** Quietly exit the room right away. The calibration sequence may be loud. Wait for completion of setup before returning to the room.
- **7.** Play some sample audio material to check the sound quality.

Note: Do not perform manual adjustments after running Auto setup.

8. Store the microphone out of direct sunlight and away from heat.



TV Menus

Press MENU on the remote control to open the main menu and access these settings.



Picture

Picture

Video

Settings in this menu are saved for the current input only. **To make picture adjustments:**

From the Picture > Video menu

While watching TV







- **1.** Press ▲ ▼ to highlight an option
- 2. Press **♦** be to adjust.

- 1. Press the VIDEO key.
- **2.** Press $\blacktriangle \nabla$ to select a video option.
- **3.** Press **◆ ▶** to change the setting.

Picture	Brilliant	For use under bright light.	Use Picture Modes to get
Mode	Game	Optimizes picture and video processing for game consoles	the best image under dif- ferent viewing conditions.
	Bright	For most daytime viewing	Set the Picture Mode first,
	Natural	For most nighttime viewing	before changing other video settings.
	Advanced	Modes. 164 and 265 Series. Contact your professional ins	taller for setup.
Contrast	In most home lighting situations, medium contrast looks best. Stored for each Picture Mode.		
Brightness	Adjusts overall picture brightness. Settings are stored independently for each Picture Mode.		
Color	Adjusts overall color intensity from monochromatic to fully saturated. Saved by input.		
Tint	Adjusts the red-to-green ratio. Saved by input.		
Sharpness	Adjusts picture detail and clarity. Saved by input.		
Color Temp	High gives white a cool cast. Low gives white a warm cast. Stored for each Picture Mode.		
Video Noise	Reduces minor noise (graininess) in the picture. Saved by input.		
EdgeEnhance	164 and 265 Series TVs. EdgeEnhance™ makes the image appear sharper. Saved by input.		
DeepField Imager	164 and 265 Series TVs. Provides strong contrast with detail over mixed screen content. Demo displays a split picture to show On (right side) and Off (left side). Saved by input.		
Backlight	Adjusts peak brightness of the backlight. Applies uniformly to all inputs. Press ENTER to turn the backlight on or off.		

Picture

Picture+ (Picture Plus)







Video Mute Displays a solid background when there is no video signal from the current input.				
Screensaver Displays a screensaver while playing an audio-only source.				
Film Mode	480i and 1080i signals only. In Auto , the TV automatically detects and applies film-decoding correction to movies filmed at 24 frames per second. Try the Off setting if images show many jagged edges. Setting saved by input.			
True 120 Hz (154, 164 series)	Reduces motion blur in action scenes. Works in conjunction with Film Mode. Press ENTER to see an adjustment screen.			
True 240 Hz (265 series)				
Test Picture	Displays a test picture.			



Picture, continued

Picture

Reset





- and press ENTER twice to perform reset.
- Reset has no effect on universal settings (Balance, Listen To, Language) or on Advanced picture settings.

Picture

Perfect



(PerfectColor™/PerfecTint™) **265 Series.** Sliders let you adjust the saturation (intensity) and hues of six separate colors for the current image source.

Resets sound and picture adjustments for the current input. Highlight the Reset icon









Advanced









265 Series. ISF Day/ADV1, ISF Night/ADV2





Sound

Sound

Audio

Settings in this menu are saved for the current input only. To make audio adjustments:





From the Sound > Audio menu

- Press ▲ ▼ to highlight an option
- 2. Press ◀ ▶ to adjust.

While watching TV

- 1. Press the AUDIO key.
- 2. Press ▲ ▼ to select an audio option.
- **3.** Press **◄** ▶ to change the setting.

TV Speakers	On	Turns on the internal TV speakers.		
	Off	Turns off the internal TV speakers so you hear sound only through a connected device (A/V receiver or headphones).		
	Center	Makes the TV's speaker array act as a center channel. Sound > Global > Center Channel must be set to On to use this option. See the detailed owner's guide at www.mitsubishi-tv.com for use of this feature.		
Bass	Controls bass sound from the TV speakers.			
Treble	Controls high-pitched sound from the TV speakers.			
Balance	Controls audio balance between the right and left TV speakers (Sound Mode Stereo only)			
Subwoofer	[Subwoofer level Adjusts the volume level of a connected subwoofer. Set Sound > Global > Subadjustment] woofer to On to make this adjustment available.			
Sound Mode	Stereo	No special audio effects from the TV speakers		
	Surround	 Modifies audio from the TV speakers. For monaural (non-stereo) programs, creates a simulated stereo effect. For stereo programs, creates a simulated surround sound effect. The TV's speaker array plays surround sound if available. 		
	Music	Optimizes the TV's speaker array for music listening.		
	Night	Focuses the TV's speaker array to a single point to limit sound heard by others outside the room. Press ENTER to adjust the focal point (Night Angle).		
Level Sound	On, Off	Reduces differences in sound volume between programming segments.		



Sound, continued

Analog Listen To	Stereo	The TV plays stereo broadcasts in stereo and mono broadcasts in mono.					
	Mono	Reduces background noise. Use when receiving a weak stereo audio signal.					
channels)	SAP	Second Audio Program. Selects an additional monaural sound track.					

Sound

Global

Settings in this menu apply to all inputs.







Analog Audio	These settings affect audio from the AVR/SURROUND jacks.			
Out	Fixed	Use with an analog A/V receiver.		
	Variable	Use with headphones; adjust headphone volume using the TV's remote control.		
	Rear	Use when supplementing the TV's speaker array with external rear speakers.		
Subwoofer	Select On to turn on audio to a connected subwoofer. Set to Off if no subwoofer is connected.			
Center Channel	On allows the TV's speakers to complement your external sound system as a center channel. Set to Off if not in use.			

Sound

Auto SP 265 Series. See page 23 for setup instructions.





Sound

SoundPro Lets you set up the Sound Projector speaker array manually. See page 22.







Captions

Services







Service	On if Mute: Displays digital closed-caption signal Caption 1 (digital) or CC1 (analog) when audio from the TV speakers is muted. While watching TV, press MUTE to turn closed captions on/off.	
Digital	Caption 1-Caption 6: Caption signals sent by the broadcaster.	
Analog	CC 1–CC 4. Standard closed-caption signals Text 1–Text 4. Text-service signals	

Captions

Font





As Broadcast changes settings to those selected by the captions provider, or, if none, to the TV's own caption defaults.

Captions



A white font on a black translucent background makes an easy-to-read combination.









Setup

Language





- Select either English or Spanish for on-screen menus.
- Select the language for a digital program from the **ANT** input (if available).

Setup

Clock







Set the TV clock to:

- Use the TV Timer to power on the TV automatically at a preset time
- Receive correct updates to ChannelView listings

Note: When the Daylight Saving Time change occurs, you must open this menu and set the TV's clock ahead or back.

Setup

Timer





The Timer tells the TV to power on automatically at a time you set. Use this menu to set a day, time, input, and channel for the Timer. If the TV is already on at the set time, the TV will automatically change to the designated channel or input.

- The TV clock must be set before you can use the Timer feature.
- As a reminder that the TV Timer is set, the TV POWER indicator flashes slowly while the TV is powered off.
- When the Timer turns on the TV, press any key on the remote control to keep it from turning off after five minutes.

Setup

Channel





See "Memorizing Channels with Channel Scan" on page 9 to scan for all available channels on the ANT input.

After channel scan, **Edit** lets you add and delete memorized channels.

- Press PAGE DN/UP to jump to the next or previous page of channel numbers.
- Press ▲ ▼ ◀ ▶ to move through all channel numbers, one at a time.

Adding/Deleting Channels Using the Channel Edit Menu

- Channels marked with a check are in memory.
- To add or delete a channel from memory, highlight the channel number and press ENTER.
- To add a single digital channel not in the list, see the full owner's guide at www.mitsubishi-tv.com.

Setup

Energy





Blue Glow (265 series)

On, Off

Select **On** to see blue accent lighting when the TV is powered on.

Setup

Network





Ethernet Connection Wireless Connection See "Home Network Setup" on page 18.



Inputs

Name

Lets you assign or change names of inputs appearing in the *Input Selection* menu.



- Lets you turn the **Ant** and *Bluetooth* inputs **On/Off** (to display or hide them in the *Input* Selection menu); a paired device is cleared from memory when the Bluetooth icon is turned off.
- Lets you delete unused HDMI inputs from the *Input Selection* menu.
- Highlight the input and press ENTER to see the name choices.

Inputs

Learn









See the full owner's guide at www.mitsubishi-tv.com.

Inputs

AVR



265 Series. Sets up or changes NetCommand IR control of an A/V receiver.

See the full owner's guide at www.mitsubishi-tv.com.







HDMI









On, Off

Select On or Off to enable or disable the TV's control of a CEC-enabled HDMI device. See the full owner's guide at www.mitsubishi-tv.com for use of this feature.

Inputs

Order

Lets you rearrange icons in the *Input Selection* menu.







Demo

See demonstrations showcasing selected TV features.









Lock

Parental Menu

The TV comes from the factory with the rating locks turned off and with pre-set U.S. ratings TV-PG and movie rating PG. You must turn on blocking for U.S. ratings to activate these rating restrictions. You will be prompted to enter a pass code when you select Lock on the main menu.

Important Notes on Rating Locks

- Parental menu rating locks apply only to channels and signals received on the ANT and composite VIDEO jacks.
- Other menu rating locks apply only to digital channels received on ANT.
- When viewing a cable box, satellite receiver, or other device connected to the component Y Pb Pr or HDMI inputs, check the device's owner's guide for parental locks.
- When accessing VUDU's internet movie service, use the parental controls provided by VUDU.

Lock **Parental**







Lock	Disables or enables blocking based on V-Chip s	ignals and	the U.S. ra	ating	j sy	/ste	m.			
TV Rating	Highlight the rating level you wish to change and press ENTER to block it () or allow it (). You can apply supplemental content blocking to the age-based ratings by using the TV content categories. (FV, D, L, S, V)	Lock ✓ Off On	TV Rating TV-Y TV-Y7 TV-G TV-PG		D G	L G	S	V	Movie Rating G PG PG-13 R NC-17	Start Time 12:00 PM Stop Time 12:00 PM
Movie Rating	Highlight the rating level you wish to change and press ENTER to block it () or allow it ().		ቇ TV−MA			•	•	•		d
Start Time/ Stop Time	Sets the time of day for enforcement of rating r Note: To make rating restrictions active 24 ho									same.

Lock







Blocks all use of the TV during the time period you specify. Once a lock time is set, it goes into effect immediately and you must enter a pass code to use the TV during the lock period. To reactivate the time lock, power the TV off and then back on. To make **Lock by Time** active 24 hours a day, make **Start Time** and **Stop Time** the same.

Lock

Channel





The *Channel Lock* menu lists channels currently in memory (see page 27). Highlight a channel and press ENTER to lock () or allow () the channel. Channels locks will be cleared the next time you perform a channel scan.

Lock

Panel







- To release the Panel Lock from the TV's control panel, press and hold the INPUT button for ten seconds. If the TV is powered off, press POWER after the lock releases to power on the TV.
- To reactivate the lock, return to this menu and change the setting to **On**.

Lock

Other





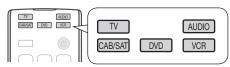
Other Menu Options (alternate rating system)

This TV can recognize new rating systems that may come into effect in the future. Such alternate rating systems will apply only to digital programming received on the ANT input.

Appendix A: Programming the Remote Control

Programming the Remote Control

1. Change the control mode to match the device type.



Mode	Affected Device
CAB/SAT	Cable Box, DTV Receiver, Satellite Receiver
VCR	VCR, DVR, DVD Player/Recorder
DVD	DVD Player/Recorder, DVR, VCR
AUDIO	A/V Receiver, Audio Amplifier, CD Player

Press and hold POWER on the remote control for several seconds until the key blinks twice and goes off.

- Enter the first five-digit code listed for your equipment.
- 4. Point the remote control at the equipment and press POWER. If the product has no power on/off function, press a different key, such as (PLAY), (STOP), VOLUME UP, or MUTE.

If the equipment does not respond, repeat the preceding two steps using the next five-digit code.

5. Once you have found the correct code, write it in the space below for future reference.

Mode	Device Type	Code
CABLE/SAT		
VCR		
DVD		
AUDIO		

This is an abbreviated list showing the most popular codes. For a full list, see the detailed owner's guide at www.mitsubishi-tv.com.

Cable Boxes	
General Instrument	10476
Jerrold	
Motorola	11376, 11187, 10476
Pace	11982, 11877, 11376
Pioneer	11877, 10877
Scientific Atlanta	11877, 10877

A/V Receive	rs
Bose	41933, 41841, 41629, 41253,
	41229, 40639
Denon	42857, 42279
Harman/Kardon	42443, 42241, 41306, 41304,
	40891
Integra	41805, 41320, 41298
JVC	42331, 42239, 42040,
	41495, 41374
Kenwood	41570, 41569, 41313
Mitsubishi	41957, 41922, 41921, 41920,
	41393
Onkyo	41805, 41531, 41320, 41298,
	40842
Panasonic	41763, 41633, 41548, 41518,
	41316, 41308, 41288, 41275,
	42967, 42452, 42221, 41764
Pioneer	41935, 41384, 41023, 40630
Sony	41759, 41758, 41658, 41622,
	41558, 41441, 41258, 41058,
	42522, 42216, 42172, 41858,
	41822
Technics	41518, 41308
Yamaha	41476, 41376, 41375, 41331,
	41276, 41176, 40376, 40176
	42471, 42467, 42061, 41815

Satellite Rec	eivers
DirecTV	11749, 11377, 11142, 10749,
	10639, 10566, 10392, 10247
	11856, 11609, 11442, 11414,
	11109, 11076
Dish Network	11775, 1150, 1077
System	
Hughes Network	11749, 11442, 11142, 10749
Systems	
Mitsubishi	10749
RCA	10566, 10392, 10143
Samsung	11609, 11442, 11377, 11276,
	11109

VCRs	
Hitachi	20042, 20000
JVC	20067
Magnavox	21593, 20593, 20081, 20039,
	20035, 20000
Matsushita	20162, 20035
MGA	20043
Mitsubishi	20173, 20067, 20043
Panasonic	21062, 20616, 20614, 20162,
	20035
RCA	20880, 20060, 20042
Sony	21972, 21032, 20636, 20035,
	20033, 20032, 20000
Tivo	20739, 20636, 20618
Toshiba	21972, 21008, 20045, 20043
Zenith	21139, 20039, 20037, 20033,
	20000

DVD Players	•
Apex Digital	31061, 31056, 31020, 31004,
	30797, 30796, 30794, 30755
	30672
Coby	31628, 31351, 31177, 31165,
	31107, 31086, 30852, 30778
Denon	32258, 30634, 30490

DVD Players	;
Funai	30675
Hitachi	30664, 30573
Insignia	32596, 32428, 32095, 30675
Integra	32147, 31769, 30627, 30571
JVC	32365, 31602, 31550, 31275,
	31164, 30867, 30623, 30558
LG	31602, 30869, 30741, 30591
Magnavox	31506, 31472, 31354, 31177,
	30675, 30646, 30539, 30503
Mitsubishi	31521, 30521
Onkyo	32147, 31769, 30627, 30503
Panasonic	31762, 31641, 31579, 30703,
	30632, 30503, 30490
Philips	32084, 32056, 31340,,
	31267, 30675, 30646, 30539,
	30503, 32434, 31506, 31354
Pioneer	31571, 31512, 31460, 30632,
	30631, 30571, 30525, 30142
	32442
RCA	32213, 31769, 30822, 30790,
	30571, 30522
Samsung	32069, 31470, 31075, 31044,
	30820, 30573, 30490, 30199
01	32556, 32489, 32369, 32329
Sharp	32250, 31256, 30752, 30675,
Comi	30630
Sony	31633, 31536, 31516, 31431,
Sylvania	31070, 31033, 30864, 30533 30675
Tivo	31512, 31503
Yamaha	32558, 32298, 30817, 30646,
	30545, 30539, 30490
Zenith	30869, 30741, 30591, 30503

Appendix B: Troubleshooting

To contact Mitsubishi customer service, see page 6.

TV Reset Comparison Guide

You can resolve many common TV problems using the reset functions described in the following table.

IMPORTANT

Before you change sound or picture settings: If picture or sound settings seem wrong for a broadcast

channel (a channel from the **ANT** input, a cable box, or satellite receiver), first check other channels from the same input before changing settings. If most other channels from the same input seem correct, there is likely a problem with the broadcast rather than with the TV. Use care in this case, as changes you make to fix problems on individual channels also affect all other channels on the same input.

Reset Name	When to Use	How to Use	Resulting Action
Format	If the picture shape seems incorrect, use the FORMAT key to change the picture shape.	Press FORMAT to cycle through the picture shapes available for the signal.	The last-used format for the signal type will be recalled on the input. Note: Also check the aspect ratio feature on your cable box or satellite receiver as this may be altering the picture.
PerfectColor TM / PerfecTint TM Reset (265 Series) (for the single input currently being watched)	When the color intensities seem out of balance, use the PerfectColor/PerfecTint reset to reset the color balances to the original factory settings. Both PerfectColor and PerfecTint are reset at the same time.	 While viewing the input to reset, press MENU and go to Picture > Perfect. Press ENTER to display the PerfectColor adjustment screen. Press CANCEL to reset the colors. 	All PerfectColor/PerfecTint sliders are reset to the original center position. The PefectColor/PerfecTint settings for other inputs remain unchanged.
A/V Memory Reset (for the single current input)	When audio and/ or video settings for a single input seem incorrect, use A/V Memory Reset to return the input to the original factory settings.	 While viewing the input to reset, press MENU and go to Picture > Reset. Press ▼ to highlight Reset. Press ENTER again to reset. 	All Audio and Video settings for the individual input are reset except for the global settings for audio Balance, Listen To, Language, Video Mute, True 120 Hz.
A/V Reset (for all inputs)	To reset audio and video adjustments for all inputs to the original factory settings.	While viewing the TV, press the control-panel buttons INPUT and VOLUME DOWN at the same time for at least two seconds.	All Audio and Video settings are returned to the original factory settings, including global settings not affected by <i>Picture > Reset</i> .
Channel Memorization	To erase and re-memorize channels on the ANT input.	 Press MENU and go to Setup > Channel. Highlight the reception mode, e.g. Ant Air, and press ENTER. Highlight All Channels and press ENTER. Highlight Scan. Press ENTER to start channel memorization. 	All previously memorized channels for the antenna input are erased and a new set of memorized channels is created. To add or delete individual channels, see the Setup > Channel > Edit menu instructions on page 27.
Lock Menu Pass Code	To change your Lock menu pass code	See the detailed owner's guide at www.m	itsubishi-tv.com for instructions.

Appendix B: Troubleshooting, continued

Reset Name	When to Use	How to Use	Resulting Action
Control-Panel Lock Release	To re-enable the control-panel buttons after activation of the Control-Panel Lock	Press and hold the INPUT button on the control panel for ten seconds. If the TV is powered off, you can now press the POWER button to turn it on.	Allows the control panel to be unlocked if the remote control is misplaced.
System Reset	If the TV does not turn on or off, does not respond to the remote control or control- panel buttons, or has audio but no video.	Press and hold the POWER button on the control panel for ten seconds.	The TV will turn off. Power on the TV and the green LED will flash quickly for about one minute. The changes you made most recently, before using SYSTEM RESET, may be lost.
TV Reset IMPORTANT: Use this reset only if other troubleshooting has been unsuc- cessful.	To reset all consumeraccessible settings and all memories to the original factory defaults. Use TV Reset if the TV can respond to controls but TV behavior is abnormal. CAUTION: All ownerperformed setups and adjustments will be erased.	 While viewing the TV, press MENU to display the TV main menu. With the main menu displayed, press number keys 1 2 3 to display the Reset menu. READ THE ON-SCREEN WARNING AND INSTRUCTIONS. If you do not wish to use this reset, press EXIT or MENU to back out. If you wish to continue, press ENTER to erase all memories and settings. 	The TV will start the initialization process and then turn off. Power on the TV and the front green LED will start flashing. All memory and settings outlined in this Owner's Guide will need to be set again.
VUDU Reset VUDU Account Pass- word	You have forgotten your account password.	Using a computer, go to www.VUDU.com.	Reset your account password from the VUDU website (requires access to e-mail).
VUDU Reset Parental Controls Pass code	You have forgotten your pass code.	Call VUDU Customer Care at 1-888-554-VUDU (8838).	VUDU Customer Care will reset your pass code.

Common Picture Problems

	Symptom	Remarks
1.	Picture does not look like a high-definition picture.	Compare the picture to the TV's test picture (Picture > Picture+ menu) to check if the source signal is supplying a lesser-quality image.
		Not all signals are high-definition signals. To receive 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 in high-definition and can be received with a high-quality antenna suited to your location.
2.	TV has sound but no picture.	 Press MENU on the remote control. If the menu displays, then there is a problem with the incoming signal. Check that all video inputs are plugged in firmly to the correct input jacks. Press and hold the POWER button on the control panel for ten seconds to perform System Reset.

Appendix B: Troubleshooting, continued

Common Picture Problems

	Symptom	Remarks
3.	A color program appears as a black and white image, or the colors are dim, or the screen is black.	 If using component video, check that the red, green, and blue input cables are correctly connected to the red, green, and blue component video jacks. If using composite video, check that the incoming cable is connected the TV's green Y/VIDEO jack. The PerfectColor color balance has been incorrectly set. Reset the PerfectColor balance.
4.	Picture from an HDMI input is noisy (poor quality).	 Compare the picture to the TV's test picture (Picture > Picture+ menu) to check the source of the noise. Upgrade a Category 1 (unmarked) HDMI cable to a Category 2 high-speed HDMI cable.

Home Network

	Symptom	Remarks
1.	I cannot connect the TV to the network.	Go the Setup > Network menu. Obtain the TV MAC address and provide it to the router.
2.	I plugged in a wireless USB adapter, but the wireless connection is not working.	The network may be locked. Go to setup > Network. Highlight the network name and supply the pass code.
3.	The INTERNET key only goes to VUDU.	Normal operation. The TV receives all internet services through VUDU. The TV does not provide full internet access as does a web browser on a computer.

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Website:

www.mitsubishi-tv.com

E-mail:

MDEAservice@mdea.com

Call Consumer Relations for operational or connection assistance at 800-332-2119

To order replacement or additional remote controls or NetCommand IR emitters,

Visit our website www.mitsuparts.com

or call

800-553-7278

SYSTEM RESET

If the TV does not respond to the remote control, control-panel buttons, or will not power on/off, press and hold the **POWER** button on the control panel for ten seconds.

The TV will turn off. Power on the TV and the green LED will flash quickly for about one minute. Recent settings changes may be lost.

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 the TV.

MODEL NUMBER ______
SERIAL NUMBER _____
PURCHASE DATE _____
RETAILER NAME _____
LOCATION _____