



# HIGH-DEFINITION TELEVISION BASIC OWNER'S GUIDE

## MODELS

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### 151 Series 153 Series 249 Series

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This manual provides basic connection, setup, and operating instructions. Please visit our website at [www. Mitsubishi-TV.com](http://www.Mitsubishi-TV.com) to view or download a detailed owner's guide that fully describes the features of this TV.

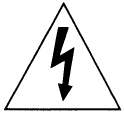
- For questions:
  - » Visit our website at [www.mitsubishi-tv.com](http://www.mitsubishi-tv.com).
  - » E-mail us at [MDEAservice@mdea.com](mailto:MDEAservice@mdea.com).
  - » Call Consumer Relations at 800-332-2119.
- For information on **System Reset**, please see the back cover.
- To order replacement or additional remote controls, visit our website at [www.mitsuparts.com](http://www.mitsuparts.com) or call 800-553-7278.
- 153 and 249 Series. IR emitter cables are available for purchase from Mitsubishi. Request either part number 242D483020 (two-ended cable) or part number 299P254020 (four-ended cable).
- The full Owner's Guide is available electronically at [www.Mitsubishi-TV.com/ProductDocuments](http://www.Mitsubishi-TV.com/ProductDocuments)

**6COLOR**  
PROCESSOR



**HDMI**<sup>TM</sup>  
HIGH-DEFINITION MULTIMEDIA INTERFACE

**NET Command**  
WITH IR LEARNING

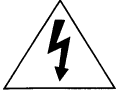


## CAUTION

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.



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

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

## 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 with your eyes or mouth, rinse the contacted area thoroughly with water and consult your doctor.**

## Disposal of Your TV = MERCURY

The LCD panel contains a small amount of crystalline liquid and the fluorescent tube in the panel contains mercury. Both are toxic and should not be touched.

**DO NOT dispose of the TV with general household waste.** THE LAMPS INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE, AND FEDERAL LAWS. For disposal or recycling information, contact your local authorities or the Electronic Industries Alliance at [www.eiae.org](http://www.eiae.org).

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

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

**ENERGY STAR® Compliance** Changing the video settings from their initial values could cause the TV to exceed ENERGY STAR® specifications.

## FCC Declaration of Conformity

Product: LCD Flat Panel HDTV  
Models: LT-40151, LT-46151, LT-52151  
LT-40153, LT-46153, LT-52153  
LT-46249, LT-52249  
Responsible Party: Mitsubishi Digital Electronics 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, 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 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 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.

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## For Your Records

Record the following information for reference when requesting assistance with the TV. The model and serial numbers are on the back of the TV.

**MODEL NUMBER** \_\_\_\_\_  
**SERIAL NUMBER** \_\_\_\_\_  
**PURCHASE DATE** \_\_\_\_\_  
**RETAILER NAME** \_\_\_\_\_  
**LOCATION** \_\_\_\_\_

## TV Cleaning

Before cleaning, turn TV off and unplug.

### 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.

### Top and Sides of the TV

- Use a vacuum cleaner with a brush attachment to clean dust build-up from the air-intake grilles on the back and sides of the TV.
- Gently wipe down your TV with a soft, non-abrasive cloth such as cotton flannel, lightly moistened. 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.
- **Glossy Surfaces:** Take special care when cleaning the TV's glossy surfaces.
  - » Always shake or brush the cleaning cloth first to remove any dirt particles.
  - » Wipe the glossy areas gently, without applying pressure.
  - » If necessary, lightly dampen the cloth with water. Use no chemical or abrasive cleaners.

### LCD Screen Cleaning

#### **IMPORTANT**

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

- Use only a soft, dry cloth to wipe the screen gently with an up and down motion.
- Clean the entire screen evenly, not just small sections.

# 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.

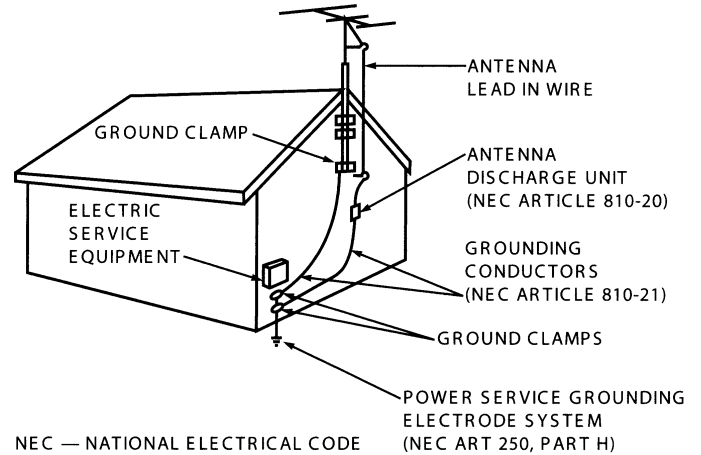
- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do 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.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) 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.



## 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.

EXAMPLE OF ANTENNA GROUNDING



## Choose a Location for your TV.

- 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 as well as shortened lamp life.
- Avoid locations where light may reflect off the screen.

## 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.

## Installation Notes

### Wall Mount Requirements

For wall-mounting, see "Stand Installation," p. 5.

**Use with other than the authorized accessories may cause the TV to become unstable, which can cause damage to the product or possible injury.**

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

**NOTE TO CATV SYSTEM INSTALLER:** 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.



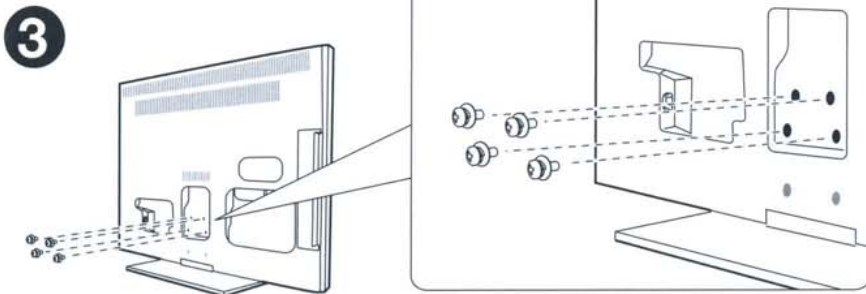
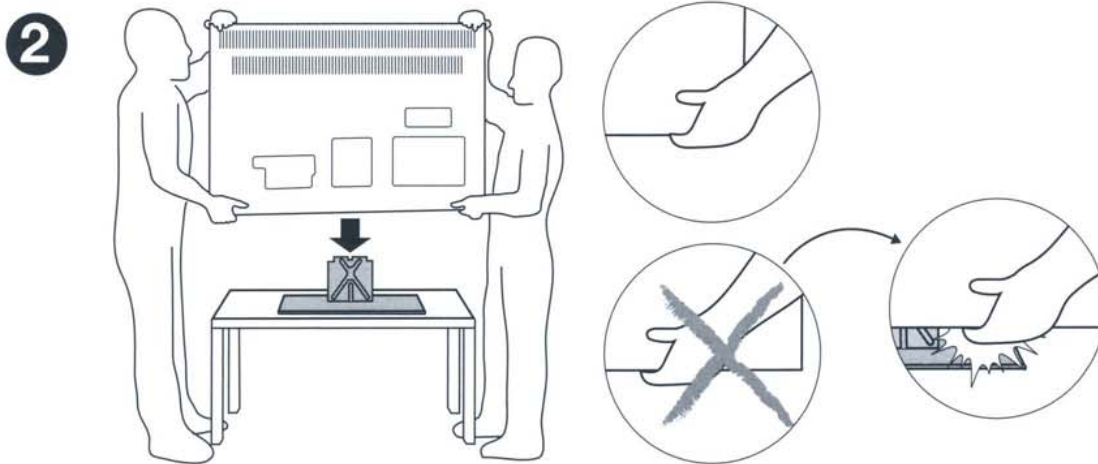
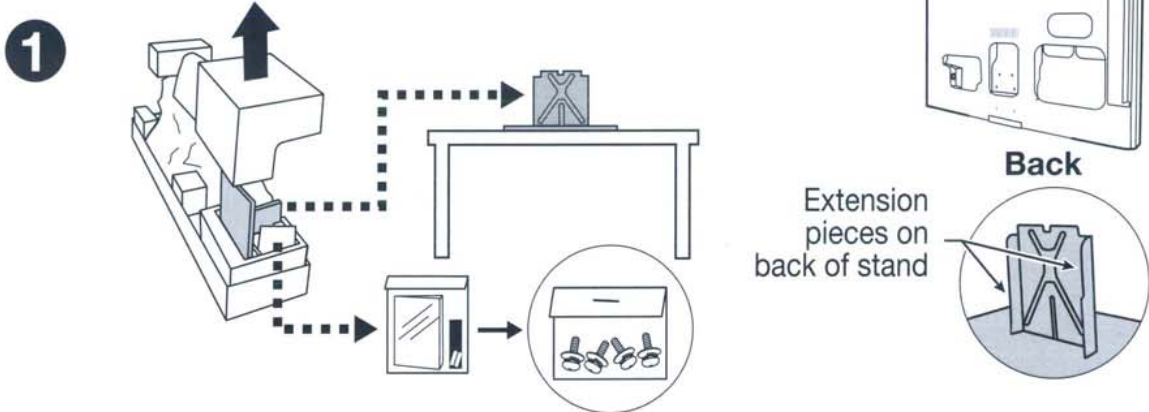
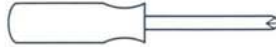
# Stand Installation

## CAUTION

At least TWO (2) PEOPLE are needed to safely install the stand. Two people should grab the marked areas of the TV to avoid hands being jammed between the TV and the stand. Failure to follow these recommendations may result in personal injury and damage to the product.

Required:

Phillips Screwdriver



## Wall Mounting Kit

*(purchased separately)*

To order a Wall Mounting Kit, please contact Peerless Industries, Inc. at (800) 473-3753 or visit [www.peerlessmounts.com](http://www.peerlessmounts.com). Use wall mounting kit Model ST650.

**Note:** Complete instructions are included with the kit.

To order a Wall Mounting Kit from Mitsubishi Digital Electronics America, Inc., please visit [www.mitsuparts.com](http://www.mitsuparts.com) or call (800) 553-7278.

**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.

# Remote Control

**ACTIVITY** Select a TV input to watch

- GUIDE** Displays ChannelView listings
- MENU** Displays the TV main menu
- INFO** Displays TV status and help
- BACK** Steps back one menu

VCR CABL/SAT TV DVD AUDIO

Control mode indicator for device types that can be controlled. Use side button to change the mode.

Powers TV on or off

Side button changes the control mode

VOLUME UP  
MUTE  
VOLUME DOWN

CHANNEL UP  
LAST Returns to the previously tuned channel  
CHANNEL DOWN

Record/Playback controls for external devices

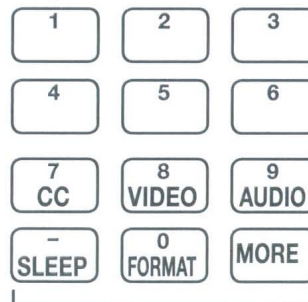
**(PAUSE)** Freezes a broadcast TV picture

PAGE UP  
**ENTER** Selects a channel number or menu item  
 Navigation keys  
 PAGE DOWN

Number/letter keys for channel tuning and naming channels

**CANCEL** Adds a separator in digital channel numbers. Clears some menu entries.

**MORE** Accesses additional functions for the number keys in the **MORE** menu



Closed captions  
Video adjustments  
Audio adjustments

**SLEEP** Sleep Timer turns TV off after a length of time  
**FORMAT** Picture shape (aspect ratio)  
**MORE** Clears the **MORE** menu

**If You Power Off the TV by Mistake**

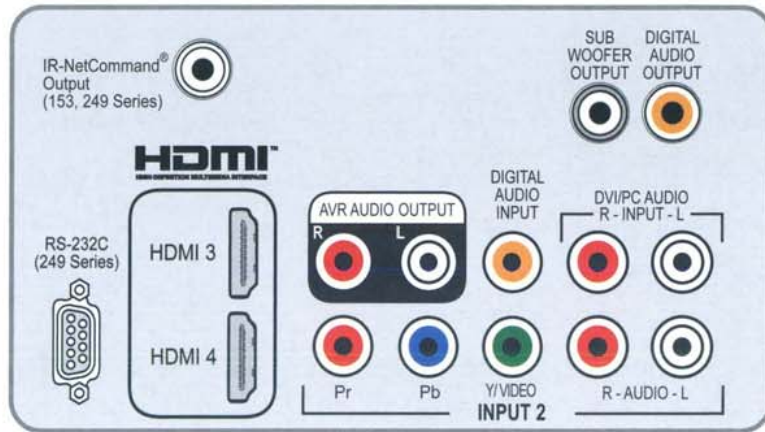
1. Press **POWER** again within about 60 seconds, to have the TV come back on immediately.
2. If the status indicator starts fast green blinking (about 60 seconds after you shut off power), wait a few moments for the status indicator to stop blinking and press power to turn the TV on again.

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



# TV Connector Panel Diagrams

**Note:**  
The number of inputs/outputs shown on the TV Panel diagram may vary from those on the purchased model.



Main connector panel

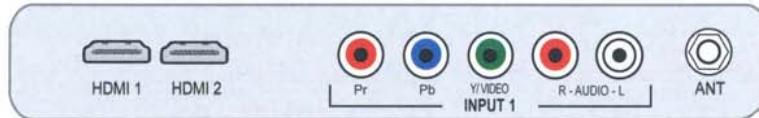


Side panel

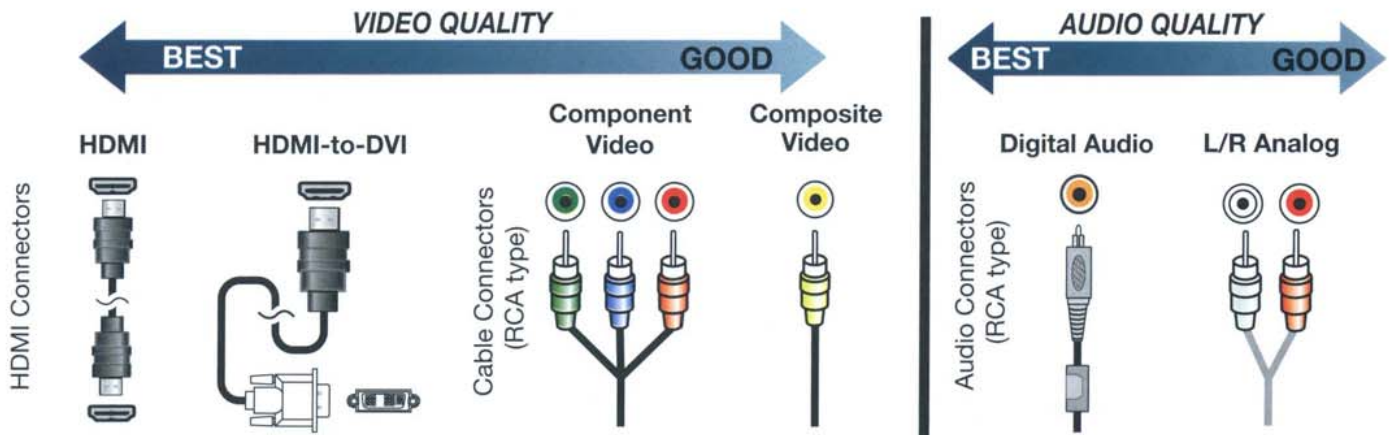
249 Series:  
Additional USB jacks within recess.



Connections within recess



## Connector Performance

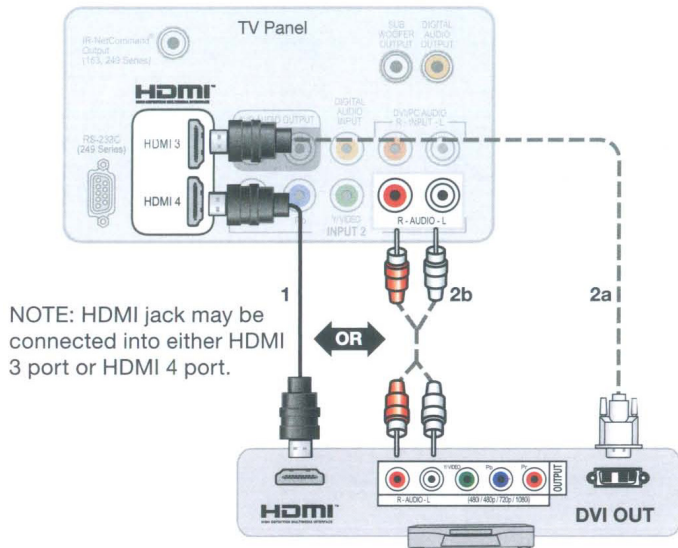


# Connecting Devices

## Connecting with HDMI or DVI

Required:

1. HDMI-to-HDMI cable **OR**
2. a. DVI-to-HDMI cable **AND**  
b. Left/Right Analog Audio cable

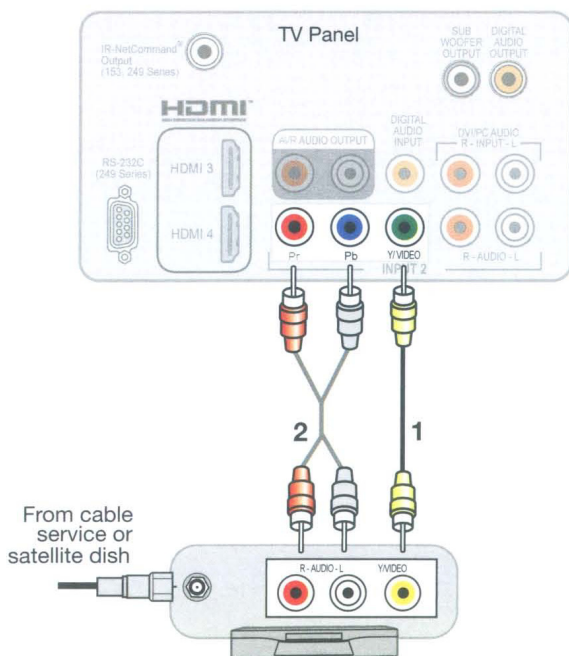


## Connecting with Composite Video

VCR or other device with composite video output

Required:

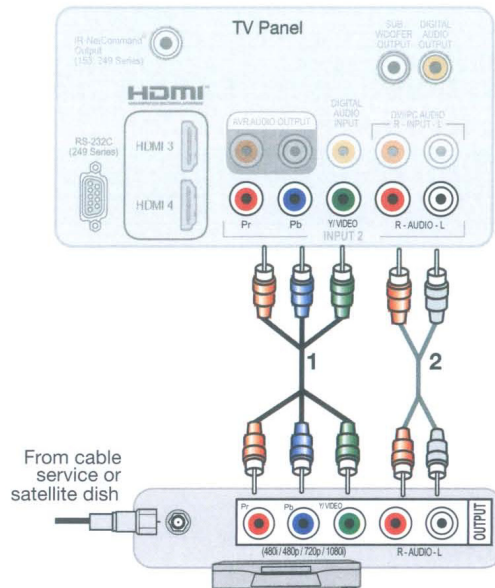
1. Composite video cable
2. Left/Right Analog Audio cable



## Connecting with Component Video

Required:

1. Component video cables
2. Left/Right Analog Audio cable.



Input 1 is available under the recessed area in the back.

It is designed to provide an installation friendly location for better cable management, especially if a wall mount is used.

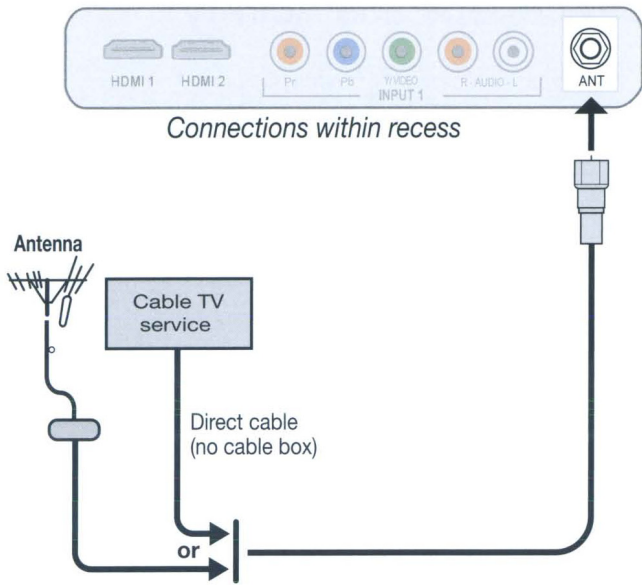
Even though the illustration uses Input 2, consider connecting the devices to Input 1 before Input 2.



Input 1 within recess



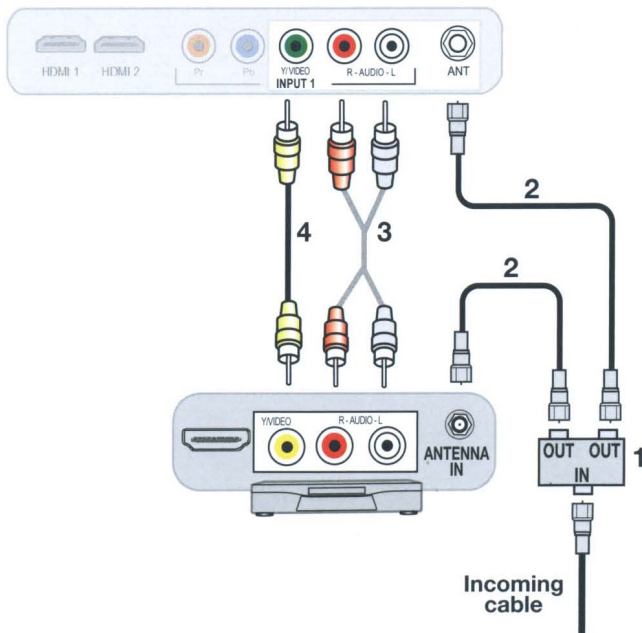
## Connecting Antenna or Cable without a Box



Mitsubishi recommends using coaxial antenna cable instead of flat twin lead antenna wires for better performance.

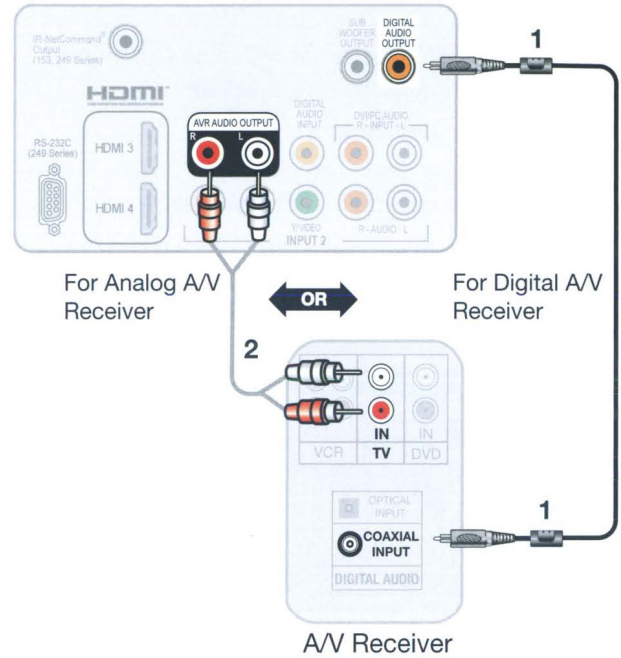
## Recording to a Device from Antenna or Cable without a Box

- Required:
1. Two-way RF splitter
  2. Two coaxial cables
  3. Right and left analog audio cables
  4. Composite video cable



## Connecting A/V Receiver for Audio

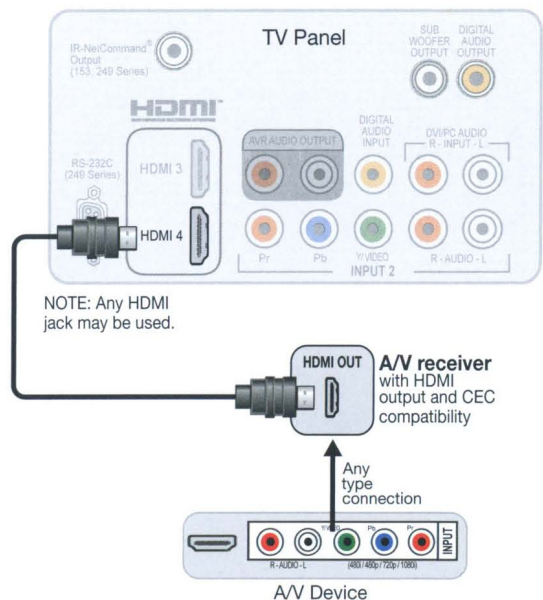
- Required:
1. Digital coaxial audio cable **OR**
  2. Analog stereo audio cables



**Note:** If the audio is missing from the digital audio connection, it might be due to the copy-protected signal. Use the analog audio connection.

## Connecting A/V Receiver with HDMI for Audio and Video Switching

- Required: HDMI-to-HDMI cable



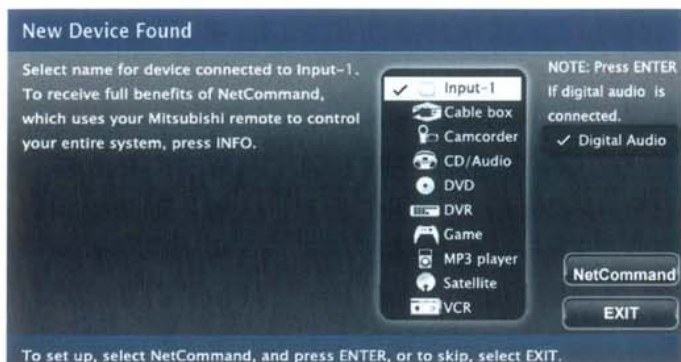
**Note:** For the Antenna or devices connected directly to the TV, the audio output connection is required to hear through the A/V receiver. Otherwise audio is available through the TV speaker.

# Device Setup and Control

## Auto Device Discovery Feature

TV's Easy Connect™ Automatic Device Discovery detects most connections automatically.

1. Connect your device to the TV.
2. TV displays the 'New Device Found' menu when the connection is detected automatically.



3. To ensure best detection, power on HDMI devices before connection.
4. Specify the Device Type from the menu.
  - a. For DVD or GAME, additional menu pops up.
  - b. The Activity menu is customized based on the device type. Refer to next section for details.

## Device Type and Activity

Activity \ Device Type	Watch TV	Watch Movie	View Photos	Play Game	Listen Music
AV Receiver	X				X
Blu-Ray		X	X		X
Cable Box	X				
Camcorder		X			
CD/Audio					X
DVD		X			X
DVD2		X			X
DVR	X				
Game				X	
MP3 Player		X			X
PC	X	X	X	X	X
PS		X	X	X	
Satellite	X				
VCR		X			
Wii		X		X	
Xbox		X		X	
USB			X		X

To modify the default activity setting, use the Activity sub-menu in the Inputs menu. Refer to TV Menus section for further detail.

## Selecting a TV Input

1. Press **ACTIVITY** key.



The blue rectangle indicates the current source while navigating to other devices. If no device is connected, the only Activity available is "Watch TV."

2. Press **▲▼** and **◀▶** to highlight a source.
3. Press **ENTER** key to switch to the TV input.



# TV Channel Setup

## Memorizing Channels

Use the Scan option in the Channel Management menu to locate and memorize all of the local channels from an antenna or from direct cable service (no cable box).

1. Press **MENU** key to display menu.
2. Press **▲▼** and **◀▶** to open the **Channel** menu.

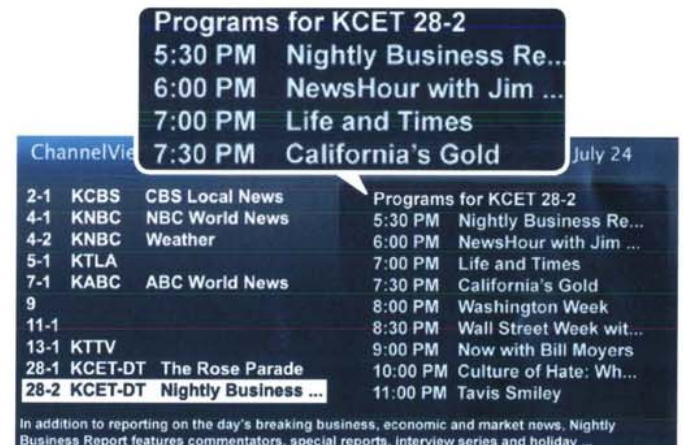


3. Select **Ant Air** if connected to an over-the-air antenna. Select **Ant Cable** for direct cable.
4. Highlight Scan and press **ENTER**. Wait for the completion message before continuing.
5. To stop Channel Memorization, press **CANCEL** key.

Customize the Channel List using Edit Function. Channels may be added or deleted from the memory.

## ChannelView™ Channel Listings

ChannelView™ shows memorized channels on the **ANT** input. It displays channel names and program information for digital channels as sent by broadcasters or your local cable service provider (information may be incomplete). No program information is displayed for analog channels.



*ChannelView. Programs for the tuned channel are listed on the right side of screen.*






**Note:** You must set the TV Clock to receive ChannelView listings.

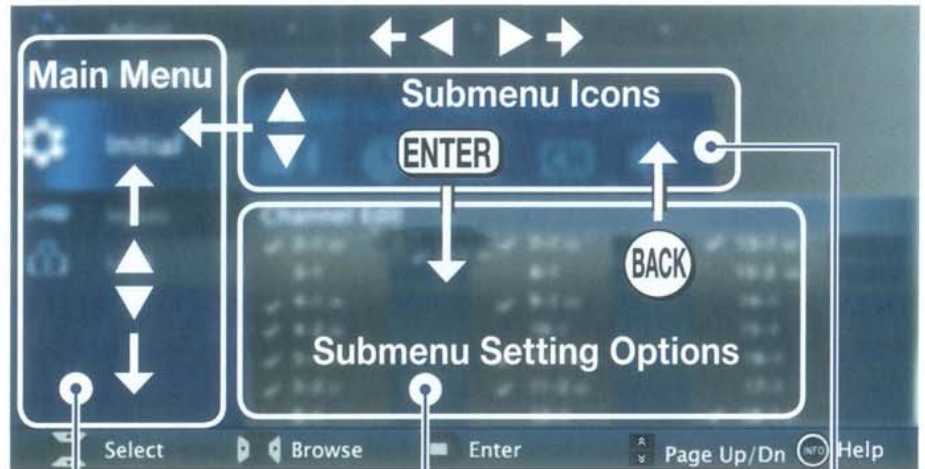
## Using ChannelView™

Feature	Instructions
Receive updates for a digital channel.	Tune to the channel.
See ChannelView listings from the <b>ANT</b> input.	<b>GUIDE</b>
Close ChannelView	<b>GUIDE</b>
Scan channels one by one.	Hold <b>▲</b> or <b>▼</b>
Scan channels quickly.	Hold <b>PAGE UP/PAGE DN</b>
Jump to listings for a specific channel.	<ol style="list-style-type: none"> <li>1. Enter the channel number.</li> <li>2. Press <b>ENTER</b>.</li> </ol>
See more of the program description for the current channel (if available).	<b>INFO</b>
Tune to the highlighted channel.	<b>ENTER</b>












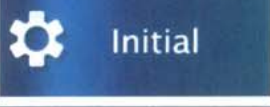





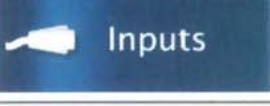









# TV Menus



## Menu Navigation




-  Displays or clears the main menu
- 
  - Moves up one menu level
  - Clears the current menu
- 
  - Navigation into Submenu Setting Options
  - Selects an item
-  Move the highlight within menu
-  Make adjustments in some menus



Key guide → Submenu Setting Options are described in the following section.

TV Menu Features	 Main Menu	 Submenu Icons
Picture and Sound Settings	 Adjust	Picture Audio Reset Global Picture+     
Closed-Caption Settings	 Captions	Services Effects  
Setup of TV Features	 Initial	Language Clock Timer Channel Sound Projector     
Input Management	 Inputs	Name Learn AVR HDMI Control Activity     
Controlling TV Usage	 Lock	Parental Time Panel Other   

Operation	TV Response
	<ul style="list-style-type: none"> <li>• Control moves through the Main menu</li> <li>• Submenu icons are displayed</li> </ul>
	Control moves to Submenu Icon

Operation	TV Response
	<ul style="list-style-type: none"> <li>• Control moves through Submenu Icons in the row</li> <li>• Submenu Setting Options are displayed</li> </ul>
	Control moves to Main Menu
	Control moves to Submenu Setting Options





## Adjust

### Picture and Sound Settings



#### Picture



**Video Settings**

Picture Mode : Natural

Contrast : 63

Brightness : 31

Color : 31

Tint : 31

Sharpness : 31

Back Light : 63

Color Temp : High

Video Noise : Medium

SharpEdge : On

Deepfield Imager : On

- Assign names to TV inputs before making video adjustments (New Device Found or Inputs > Name menu).
- Adjustments will be reset to the defaults if you name or rename inputs afterwards.
- Set the Picture Mode first before changing other video settings, as some settings are stored independently for each Picture Mode.

Use Picture Mode to get the best image under different viewing conditions. Options are:

<b>Picture Mode</b>	<b>Brilliant:</b>	Bright light. Unavailable for the Game or PC inputs.
	<b>Bright:</b>	Daytime viewing
	<b>Natural:</b>	Night time viewing
	<b>Game:</b>	Available for Game or PC input only

<b>Contrast</b>	Adjusts the white-to-black level.	
	<ul style="list-style-type: none"> <li>• Low contrast shows a variety of shades in darker images.</li> <li>• High contrast shows darker images more uniformly black and makes colors appear more vibrant.</li> <li>• High contrast is good for brightly lit environments.</li> <li>• Medium contrast is good for the most home lighting situations.</li> </ul>	
<b>Brightness</b>	Adjusts overall picture brightness.	
<b>Color</b>	Adjusts overall color intensity from no color to fully saturated.	
<b>Tint</b>	Adjusts the red-to-green ratio.	
<b>Sharpness</b>	Adjusts picture detail and clarity.	
<b>Back Light</b>	Adjusts brightness of the backlight. Changing this setting from the initial value could cause the TV to exceed the ENERGY STAR <sup>®</sup> specifications.	
<b>Color Temp</b>	Adjusts the white balance. Settings are stored independently for each Picture Mode.	
	<b>High</b>	Gives white images a cool cast. May provide the most realistic picture under bright lighting.
	<b>Low</b>	Gives white images a warm cast. Natural/Color Temp at the low setting displays video at approximately the 6500K industry standard for NTSC pictures.
<b>Video Noise</b>	Reduces minor noise (graininess) in the picture. Saved by input. This adjustment is not available if the current input is named PC or Game.	
	<b>High</b>	Option for poor-quality signals.
	<b>Medium</b>	Option for moderate noise reduction.
	<b>Low</b>	Option for good-quality signals.
	<b>Off</b>	Use Off to leave the picture unaltered.
<b>Sharp Edge</b>	Add special edge enhancements to make image appear sharper.	
<b>DeepField Imager</b>	Enhance black levels in portions of the screen to provide strong contrast. (153 and 249 Series only)	
	<b>On, Off Demo</b>	For comparison, displays a split picture to show On (right side) and Off (left side).



## Adjust continued



## Audio



## Audio Settings

Subwoofer : On (Press ENTER to adjust Level)  
 Bass : 31  
 Treble : 31  
 Balance : 31  
 Sound Mode : Stereo  
 Listen To : Stereo  
 Language : English  
 Level Sound : Off

Subwoofer option is available if a subwoofer connection has been identified on the **SUBWOOFER OUTPUT** jack.

**Subwoofer Off, On:**

Use **Off** to turn off audio to a connected subwoofer or to reset the **AVR AUDIO OUTPUT** jack.

**Level Adjustment:**

To adjust the subwoofer volume level, highlight **Subwoofer** and press **ENTER** to display an adjustment slider.

## Audio Settings

Speakers : TV  
 Bass : 31  
 Treble : 31  
 Balance : 31  
 Sound Mode : Stereo  
 Listen To : Stereo  
 Language : English  
 Level Sound : Off

Speaker option is available if a subwoofer connection has not been detected.

If an A/V receiver or headphone connection has been detected, available options are:

**TV:** Turns on the internal TV speakers.

**A/V Receiver:** Audio available from an A/V Receiver. (Headphone option not available.)

**Headphones:**

- Audio available from headphones.
- Connect to **AVR AUDIO OUTPUT** jack.

	<b>Stereo:</b>	No special audio effects from the TV speakers.
	<b>Surround:</b>	Modifies audio from the TV speakers.
<b>Sound Mode</b>	<b>Music</b>	153 and 249 series <ul style="list-style-type: none"> <li>• The left and right sound beams are output directly toward the listening position.</li> <li>• The Balance setting is unavailable, defaults to center</li> </ul>
	<b>Night</b>	153 and 249 series <ul style="list-style-type: none"> <li>• Focuses all 16 speakers to the center channel to allow sound to focus only at one point, thus ensuring quiet outside the room.</li> <li>• A range of 35 degrees from center in both directions is supported.</li> <li>• Subwoofer is muted if present.</li> <li>• The Balance setting is unavailable, defaults to center</li> <li>• Press the <b>ENTER</b> key to display a slider, default center (relative center), to move the focused sound to a specific seated location.</li> </ul>
		Available for analog channels from <b>ANT</b> only.
<b>Listen To</b>	<b>Mono:</b>	Reduces background noise.
	<b>Stereo:</b>	The TV plays stereo in stereo and mono broadcasts in mono.
	<b>SAP (Second Audio Program):</b>	Selects an additional sound track not audible during normal TV viewing.
<b>Language</b>		Selects the current language for a digital program from <b>ANT</b> .
<b>Level Sound</b>	<b>On, Off:</b>	Reduces differences in sound volume between programming segments, such as between regular broadcast programs and commercials.

## Reset



## Reset Memory

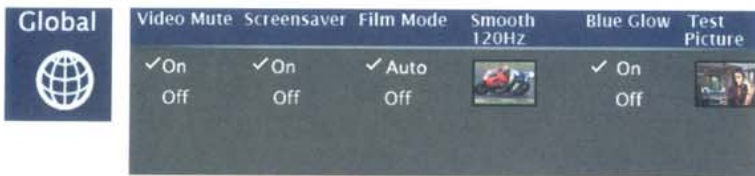
Press **ENTER** to reset video and audio settings to the initial factory settings for DVD.

RESET

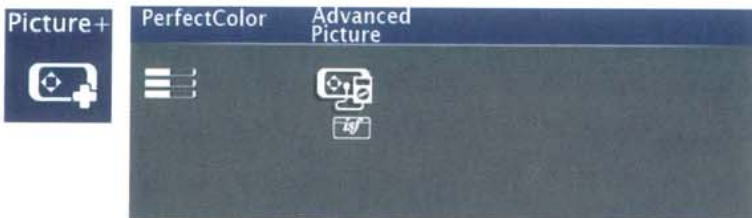
Resets audio and picture adjustments for the current input. Highlight the **Reset** icon and press **ENTER**.



# Adjust continued



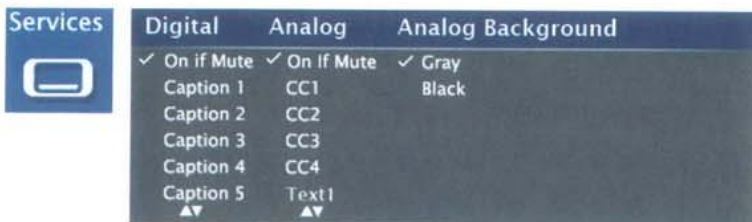
- Video Mute** Displays a solid-colored background when there is no video signal.
- Screensaver** Displays a random pattern while playing an audio-only device named **CD/Audio** or **MP3 Player**.
- Film Mode** **480i and 1080i signals only.** In **Auto**, the TV applies film-decoding correction to movies filmed at 24 frames per second.
- Smooth 120Hz** Reduces motion blur in action scenes.
- Blue Glow** Select **On** to see blue accent lighting. (249 Series only)
- Test Picture** Displays a test picture for use by TV servicers.



A press of **ENTER** on PerfectColor icon displays PerfectColor and PerfectTint menu if supported.

- PerfectColor** Sliders adjust the saturation (intensity) of six colors for the current input.  
Sliders adjust six hues for the current input (some models).
- PerfectTint** To switch between PerfectColor™ and PerfectTint™ adjustments, highlight **Adjust** and press ◀ ▶. (249 Series only)
- Advanced Picture** Technical picture adjustments for use by a professional installer.

## Captions Closed-Caption Settings



- Provides choices and separate on/off controls for digital and analog captions.
- Selects background color for analog captions.



Selects settings for the appearance of digital closed captions.



## Initial Setup of TV Features



Initial

Language Clock

Timer

Channel Energy

SoundPro



### Language



#### Language

- English
- Español

Choose either English or Spanish for TV menus.

### Clock



#### Time Date Time Zone DST

Time	Date	Time Zone	DST
12:00 PM	01/01/09	<input checked="" type="checkbox"/> Eastern Central Mountain Pacific Alaska Hawaii Atlantic	<input checked="" type="checkbox"/> Off On

- Use this menu to set the TV clock.
- Choose the **DST** (Daylight Savings Time) setting for your area.

### Timer



#### Timer Day Time Input Channel

Timer	Day	Time	Input	Channel
<input checked="" type="checkbox"/> On	<input checked="" type="checkbox"/> Daily	12:00 PM	<input checked="" type="checkbox"/> Ant	2-1
<input type="checkbox"/> Off	Mon-Fri		DVD	
	Sunday		Blu-ray	
	Monday			
	Tuesday			

- Use this menu to set a day and time for the TV to power on automatically.
- Select the input and channel to be used at Power-On.

### Channel



#### Channel Management

- Ant Air
- Ant Cable

Scan

Edit

5-1

Channel Scan searches for channels and adds them to memory.

- Choose if connected to an antenna or direct cable.
- Press ◀ ▶ to **Scan** and press **ENTER**.

### Adding/Deleting Channels

- Check mark indicates memorized channels.
- Select and press **ENTER** to add / delete the channel from the memory.

#### Channel Edit

<input checked="" type="checkbox"/> 2-1 60	KCBS-DT	<input checked="" type="checkbox"/> 7-1 53	<input checked="" type="checkbox"/> 13-1 66
<input type="checkbox"/> 3-1		<input type="checkbox"/> 8-1	<input type="checkbox"/> 13-2 66
<input checked="" type="checkbox"/> 4-1 36		<input checked="" type="checkbox"/> 9-1 43	<input type="checkbox"/> 14-1
<input checked="" type="checkbox"/> 4-2 36		<input type="checkbox"/> 10-1	<input type="checkbox"/> 15-1
<input checked="" type="checkbox"/> 5-1 31		<input checked="" type="checkbox"/> 11-1 65	<input type="checkbox"/> 16-1
<input checked="" type="checkbox"/> 5-2 31		<input checked="" type="checkbox"/> 11-2 65	<input type="checkbox"/> 17-1
<input type="checkbox"/> 6-1		<input type="checkbox"/> 12-1	<input checked="" type="checkbox"/> 18-1 61

### Energy



#### Energy Usage

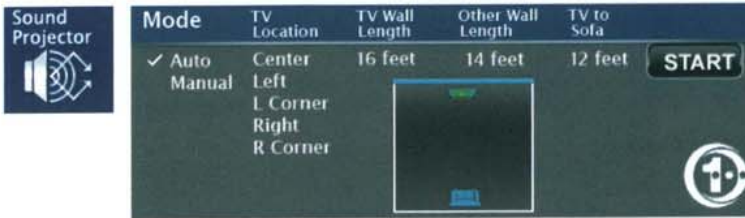
- Standard
- Fast Power On



Options for power consumption while the TV is powered off.

- **Standard** keeps the TV in compliance with ENERGY STAR® efficiency standards while powered off.
- The **Fast Power On** setting lets the TV power up quickly. The TV draws power while in the off state in excess of ENERGY STAR efficiency standards for a powered-down device.





The TV's bank of 16 speakers can be adjusted to create a surround sound effect.

Mode option is available for 153 and 249 Series only.

#### Auto:

- Use only if Microphone is connected to the left audio jack of the side panel (input 3).
- The audio jack is not automatically detected.
- Press START to begin automatic calculation.

#### Manual:

- Custom button is displayed instead of START.
- Specify all items before pressing Custom button.
- Use the Custom option to fine tune per your unique room layout. (See page 19).



## Inputs Input Management



Name	Name				
Ant	Input-1	Input-2	Input-3	HDMI-1	HDMI-2
On	VCR	Input-2	Camcorder	AVR	Cable Box
HDMI-3	HDMI-4	CEC	CEC	CEC	CEC
HDMI-3	Wii	DVD	DVR	DVD2	Blu-Ray
CEC					
Satellite					

- Assign or change names of inputs appearing in the **Activity** menu.
- Turn the **Ant** input **On/Off** (to display/hide in the **Activity** menu).
- Delete unused HDMI inputs from the **Activity** menu.

#### Learn



#### AVR



For complete setup instructions, see the owner's guide on the web.

(153 and 249 Series only)

#### HDMI Control

HDMI CEC Control			
AVR	Cable Box	DVD	Blu-Ray
off	off	off	off

Select **On** or **Off** to enable or disable the TV's control of a CEC-enabled device. See the owner's guide on the web for use of this feature.

#### Activity



Assign Activity for PC	
✓	Watch TV
	Watch Movie
	Play Game
	View Photos
	Listen Music

- Customize the Activity menu choices for the current viewing input.
- Highlight the activity name and press ENTER.
- Not available from the Antenna input.



## Lock

### Controlling TV Usage

This feature restricts the access according to the U.S. based program ratings, the time of day or by the channels. Restricting the access using the non-U.S. based ratings (Alternate Rating System) can be setup from the 'Other' submenu.

- To setup the restriction or to watch TV during the restricted condition, a pass code is required.
- The pass code menu is displayed first whenever Lock is selected on the main menu.



Lock

Parental Time



Panel



Other



### Setting a Pass Code

- Input four-digit pass code using the number keys on the remote control.
- Press **CANCEL** to delete a number and move back one space.
- Press **MENU** or **BACK** to close the menu without setting a pass code.
- Press **ENTER** to set the pass code.
- If you forget the pass code: press the number 9 and **LAST** key on the remote at the same time.

### Resetting a Pass Code

The old pass code is deleted when entering the Lock menu, and prompts you to enter a new pass code.

### Parental



Lock	TV Rating	FV	D	L	S	V	Movie Rating	Start Time	Stop Time
<input checked="" type="checkbox"/> Off	TV-Y						G	12:00 PM	12:00 PM
<input type="checkbox"/> On	TV-Y7						PG		
	TV-G						PG-13		
	TV-PG						R		
	TV-14						NC-17		
	TV-MA						X		
							Not rated		

### Lock by Program Ratings:

- Restricts access to the TV using U.S. ratings sent by the broadcasters.
- Lock applies only to ANT and composite jacks. Some signals do not contain rating information and will not lock.
- To lock for 24 hours, set the same time for Start Time and Stop Time.

### Time



Lock by Time	Lock Time	Unlock Time
<input checked="" type="checkbox"/> Off	12:00 PM	12:00 PM
<input type="checkbox"/> On		

### Lock by Time:

- Blocks all use of the TV during the specified time period.
- Requires pass code to view during the locked time.

### Panel



Lock Control Panel Buttons
<input checked="" type="checkbox"/> Off
<input type="checkbox"/> On

### Lock Control Panel:

- Disables the buttons on the TV's control panel.
- Press and hold **ACTIVITY** button from the panel for about 10 seconds to unlock if the remote control is not available.

### Other



Lock	System	Group	Rating
<input checked="" type="checkbox"/> Off	Canadian	<input checked="" type="checkbox"/> English	<input checked="" type="checkbox"/> E
<input type="checkbox"/> On		French	

### Lock by Other Program Ratings:

- Restricts access using non-U.S. based ratings sent by broadcasters.
- Grayed out if the Other rating is not detected in the broadcasted signal.

Note: Other rating locks apply only to digital channels and signals received on the ANT.



# Sound Projector

The TV's bank of speakers can be adjusted to reflect sound off the room walls to create a surround sound effect. Setup can be performed manually for all models, and /or automatically depending on your TV models.

## Manual Setup Option

1. From the **Initial > SoundPro** menu, enter the room dimensions and layout information requested in the screen. Press **▲▼** to specify the value.
2. Highlight **Custom** and press **ENTER** to fine tune the direction and focus of the TV's sound output.



**153 and 249 Series:** Select **Manual** option under **Mode** (refer to the page 16), for **Custom** button to be displayed.

## Adjusting Angles

1. Position yourself in your usual viewing location.
2. Press **▲▼** to select an audio beam.
3. Press **◀▶** to redirect the audio beam or change the sound level.



Custom Sound Projector menu

- Center Angle** Sound to be equal in both ears.
- Left Angle** Maximize the sound from the left.
- Right Angle** Maximize the sound from the right.
- Left Surround Angle** Adjust as if the sound comes from the left rear side, or same as that for **Left Angle**.
- Right Surround Angle** Adjust as if the sound comes from the right rear side or same as that for **Right Angle**.

- To reset the beams, change the **TV Location** field.
- At extreme beam angles, the image on screen may not be accurate.

## Adjusting Levels

1. Adjust **Center Level** to the mid level.
2. Adjust individual beam one at a time so that each one sounds about the same as the center level.
3. Check all sound levels by quickly switching between them using **▲▼**.
4. Readjust individual levels in small increments.

## Auto Setup Option (153 or 249 series only)

1. Plug the microphone into the left audio jack of the side panel (**INPUT 3**). If the microphone is not plugged in, the TV will not allow the **Auto** setup.
2. Set **Mode** to **Auto**. **START** is displayed in place of **Custom**. Highlight **START** and press **ENTER**.
3. Quietly exit the room right away as your presence will interfere with the calibration process.
4. Return to the room after the completion of setup.
5. Play some sample audio to check the sound quality.

- Note:** Do not perform manual adjustments after the Auto setup. Auto calibration data will be erased.
6. Store the microphone out of direct sunlight and away from heat.

## Microphone Placement

- Place the microphone at least 6 feet away from the TV, centered in front of the TV.
- Place the microphone on a flat, level surface such as on a tripod or on the backrest of your seating.



- Place the microphone where yours ears would be when watching TV. Place it within 3 feet height from the TV Speakers.

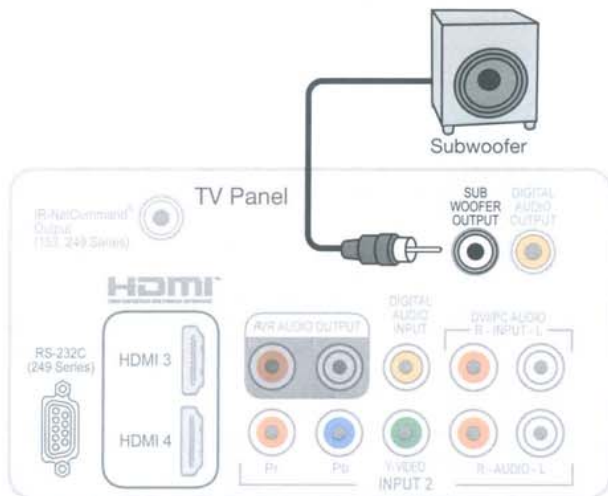


# Subwoofer

## Connecting with Subwoofer for Complete Audio

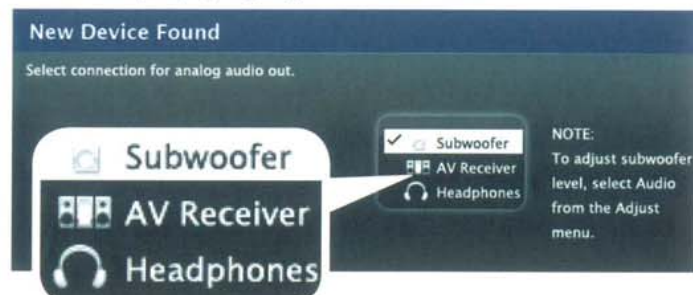
Required:

1. Audio cable with an RCA jack



## Subwoofer Discovering

When the **Auto Output Sensing > New Device Found** screen displays, highlight **Subwoofer**.



*Note:* The subwoofer must be turned on before connecting to the SUBWOOFER OUTPUT jack.

## Adjusting Subwoofer Level

1. Play sample video or music containing low-frequency bass sound.
2. Press **MORE** key and **AUDIO** key to display the **Subwoofer** option.
3. Press **▲ ▼** to **Subwoofer** is highlighted.
4. With **Subwoofer** set to **On**, press **ENTER** to display a slider for volume.
5. Press **◀ ▶** to adjust subwoofer volume to your preference.

## Resetting the Subwoofer Output Jack

1. Press **MORE** key and **AUDIO KEY** to display the **Subwoofer** option and change it to **Off**.
2. Power off the TV.
3. Disconnect the subwoofer from the TV.
4. Power on the TV.
5. Connect the device to the **SUBWOOFER OUTPUT** jack and the **Auto Output Sensing > New Device Found** screen will display.



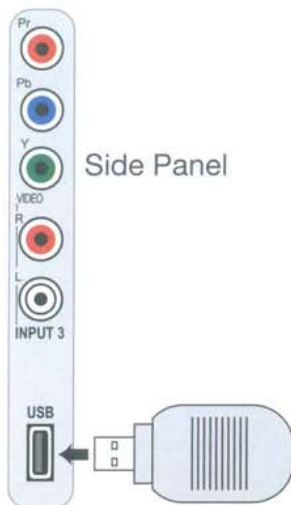
# USB Media Player Menu

- The TV can display photo or music files from a USB device.
- Photos must be in JPEG format and music files in wma format.

1. Connect your USB drive to the TV's USB port located at the side panel.





2. The TV ignores all commands while reading files. Wait for icons to appear in the **USB Media Player** menu before activating menu options.

Large files or high-capacity storage devices may take a long time to display.




## Play a Slideshow or Playlist

Starts the slide show or starts playing music.

 or <b>ENTER</b>	Plays the slide show or playlist.
<b>GUIDE</b>	Rotates an image clockwise in 90° increments
<b>INFO</b>	Displays slide name or track name. Press <b>BACK</b> to clear.
	Pauses a slide show or track
	Stops a slide show or track.
	Displays the previous or next slide or track.

### IMPORTANT

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

Some pictures may not show on the TV.





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.



## Thumbnail and Playlist Menus

Displays picture thumbnails or a list of music files.



	Moves the highlight from item to item.
<b>GUIDE</b>	Rotates a thumbnail clockwise in 90° increments (thumbnail only).
 or <b>ENTER</b>	Plays the slide show or playlist starting with the highlighted item.
	Selects the last item on the current page.
	Selects the first item on the current page.
<b>PAGE UP/DN</b>	Displays the next or previous page of items.

## Setup

Displays the USB Media Setup menu.

<b>Display</b>	You have the option to play music with the slide show (Slideshow + Music), Slideshow or Music only.
<b>Slideshow</b>	Select Auto or Manual for the slide show
<b>For automatic advance only:</b>	
<b>Interval</b>	Select the time interval for display of each slide. The actual interval time may vary as it may take longer for larger files.
<b>Frequency</b>	Select the number of times (frequency) to play the complete slide show and/or playlist: <b>Once, Twice, or Continuous.</b>

### Notes on Using the USB Port

- Some images opened and resaved on a computer may not play back or display in the thumbnail list.
- 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 Y/VIDEO composite video output.

# More Menu

The **More** menu enables you to access the additional functions from the remote. Depending on which device the remote is setup to control, different functions are available.

- When the remote is setup to control the TV, the **AUDIO, VIDEO, SLEEP, FORMAT** and **MORE** keys are always available. The rest of keys are available only if they are Learned through the NetCommand (Refer to the full Owner's Guide for the NetCommand instruction).
- When the remote is setup to control the other devices, the **AUDIO** and **VIDEO** keys are not available.
- The **CC** function is only available when viewing Antenna input.

TV	Function	Description
	<b>Closed Caption</b>	Turns closed captioning on and off
	<b>Video</b>	Opens the video adjustment menu
	<b>Audio</b>	Opens the audio adjustment menu
	<b>Sleep</b>	Sleep Timer turns TV off after a length of time
	<b>Format</b>	Picture shape (aspect ratio)



## CABLE/SAT

<b>Menu</b>	Opens Cable or Satellite main menu
<b>List</b>	Opens channel list
<b>On Demand</b>	Opens on demand menu
<b>A-D</b>	



## VCR

<b>Menu</b>	Opens VCR menu
<b>Input</b>	Switches device input
<b>Sp/Ep</b>	Sets the recording speed (standard or extended play)



## DVD

<b>Top Menu</b>	Opens DVD menu
<b>Angle</b>	Scrolls through multiple angles
<b>DVD Audio</b>	Opens the audio DVD menu
<b>Subtitle</b>	Opens Subtitle menu
<b>Repeat</b>	Repeats scene
<b>Bonus View</b>	Opens Bonus View menu
<b>Setup</b>	



## AUDIO

<b>Menu</b>	Opens A/V Receiver menu
<b>Input</b>	Switches device input
<b>Surround</b>	Opens on surround sound menu
<b>Night</b>	Focuses angle of sound to one spot



### NOTE:


- The remote control mode can be changed by using the **SIDE** button on the remote.
- Press the **SIDE** button until the Control Mode indicator at the top shows the desired device.
- Refer to the full Owner's Guide on the web for the **More** menu of CEC devices, and the NetCommand Instruction.





# Troubleshooting

## General TV Operation

	Symptom	Remarks
1.	The TV remote control does not work.	<ul style="list-style-type: none"> <li>• Check that the batteries are fresh and installed correctly.</li> <li>• Check that the control mode on the remote is set to TV.</li> <li>• Be no more than 20 feet from the TV when using the remote control.</li> <li>• Program the remote control to operate the TV or other device.</li> <li>• Reset the remote control.</li> </ul>
2.	When I try to use the remote control, the POWER key blinks five times.	Replace the batteries.
3.	TV does not respond to the remote control or to control-panel buttons and TV will not power on or off.	<p>Unplug the AC power cord for 10 seconds.</p> <p>Press and hold the POWER button on the control panel for 10 seconds to perform system reset.</p>
4.	When a device is selected from the Activity menu, the screen is blue or black (no signal source).	<ul style="list-style-type: none"> <li>• Make sure the selected device is turned on.</li> <li>• Begin play of the device.</li> </ul>
5.	You have forgotten your Lock menu pass code.	When prompted for the pass code, press the number 9 and  (LAST) keys on the TV remote control at the same time. This process temporarily unlocks the TV.
6.	Rating restrictions are not working.	<p>Open the Lock &gt; Parental Lock menu and:</p> <ul style="list-style-type: none"> <li>• Verify that the ratings locks are active.</li> <li>• Check the Lock Time/Unlock Time to check if rating restrictions are disabled.</li> <li>• Rating restrictions apply only to content on the ANT input.</li> </ul>
7.	On-screen displays appear each time you change a function.	Normal TV operation.
8.	I have turned on CEC for my HDMI devices but control is erratic and I wish to disable it.	<ul style="list-style-type: none"> <li>• Turn off the TV's HDMI control for the specific device. Open the Inputs &gt; HDMI Control menu, select the device, select Off.</li> <li>• Disable CEC on the device itself. See the device's instructions.</li> <li>• If the problem persists, do the following: <ol style="list-style-type: none"> <li>1. Disconnect the device from the TV.</li> <li>2. Open the Inputs &gt; Name menu, select the device and delete.</li> <li>3. Reconnect the device to the TV and Auto Input Sensing will recognize the device with CEC disabled.</li> </ol> </li> </ul>

TV Power On/Off		
	Symptom	Remarks
1.	TV takes an excessively long time to power on.	When powered on, the TV needs time to boot up, just as a computer does.
2.	You cannot program the TV to turn on automatically (Timer function).	<ul style="list-style-type: none"> <li>The TV may be locked.</li> <li>The clock may not be set.</li> </ul>
3.	TV turned itself off and the light on the front panel started to blink.	<ul style="list-style-type: none"> <li>Momentary power fluctuation caused the TV to turn off to prevent damage. Power on the TV and wait for the lamp to illuminate.</li> <li>If the TV does not stay on, press the POWER button on the control panel for ten seconds to perform System Reset. If this happens frequently, obtain an AC line power conditioner/surge protector.</li> <li>An unusual digital signal may have been received, triggering a protection circuit. Power on the TV.</li> </ul>
4.	TV will not power off.	Press the POWER button on the control panel for about ten seconds to perform System Reset.

Picture		
	Symptom	Remarks
1.	Picture does not look like a high-definition picture.	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 and hold the POWER button on the control panel for 10 seconds to perform System Reset.
3.	There is a large black or gray rectangle on the screen.	The TV's analog closed captioning has been set to "text" mode in the Captions menu. Turn off because there is no text information being broadcast.
4.	You cannot view a picture when playing a VHS tape.	Check your VCR's owner's guide for further troubleshooting.
5.	VCR or DVD player's on-screen menus jitter up and down.	Stop playback. Possible cause: Many VCRs and DVD players provide on-screen menus at only half-resolution that may appear to jitter up and down.
6.	When viewing a stopped VCR, white lines are rolling on the screen.	<ul style="list-style-type: none"> <li>Turn off video mute for the VCR.</li> <li>Begin playing the tape.</li> <li>Change the VCR input to the antenna input.</li> </ul>
7.	A color program appears as a black and white image, or the colors are dim, or the screen is black.	The PerfectColor color balance has been incorrectly set. Reset the PerfectColor balance.
8.	Picture from an HDMI input is noisy (poor quality).	<ul style="list-style-type: none"> <li>Try using a different HDMI cable.</li> <li>If the signal is 1080p, upgrade a Category 1 (unmarked) HDMI cable to a Category 2 high-speed HDMI cable.</li> </ul>
9.	The image from a computer appears distorted when viewed on the TV.	<ul style="list-style-type: none"> <li>Normal TV operation. The TV does not correct distortion in the picture from a computer because the correction process may cause the edges of the image to be cut off.</li> <li>Press MORE key for the FORMAT menu to change dimensions.</li> </ul>



## TV Channels

	Symptom	Remarks
1.	The TV takes several seconds to respond to channel changes.	<ul style="list-style-type: none"> <li>It is normal for digital channels to take longer to tune in.</li> <li>Press ENTER after entering a channel number to avoid delays.</li> <li>Use a 4-digit number for an over-the-air digital channel.</li> <li>Use a 6-digit number for digital cable channels if your cable service is able to recognize 6-digit channel numbers.</li> </ul>
2.	You cannot access a channel.	<ul style="list-style-type: none"> <li>Use number keys instead of CHANNEL Up/Down.</li> <li>Be sure the channel you want to view is in memory.</li> <li>Check that the TV is switched to the correct device or the antenna for that channel by pressing the ACTIVITY key.</li> <li>Make sure the Lock &gt; Parent menu lock is set to Off.</li> <li>If you cannot tune to a virtual digital channel even though the TV has already memorized digital channels, tune to the physical channel number used by the broadcaster. The virtual channel will then be automatically added to memory.</li> <li>You may be trying to tune to an analog channel that is no longer broadcasting.</li> </ul>
3.	When ChannelView list is displayed, information appears incomplete	<ul style="list-style-type: none"> <li>Program information is displayed only for channels tuned during the most recent power-on.</li> <li>Available information is sent from the broadcaster or cable provider. No other data is available.</li> <li>Make sure the TV clock is set correctly.</li> <li>Press INFO to update the display for highlighted channel.</li> </ul>

## Sound

	Symptom	Remarks
1.	There is no sound even when the volume is turned up.	<ul style="list-style-type: none"> <li>Check if the MUTE button is on.</li> <li>The TV's "Listen to:" setting may be set to SAP (analog program from the ANT input).</li> <li>Check that the Speakers option is set to TV to hear sound from the TV speakers. Sound may be being sent to one of the audio outputs for an A/V receiver or headphones.</li> <li>If using an A/V receiver, check that the Speakers option is set to AV Receiver to hear sound from the A/V receiver speakers.</li> <li>Press and hold the POWER button on the control panel for 10 seconds to perform System Reset.</li> </ul>
2.	The sound does not match the screen picture.	The TV's "Listen to:" setting may be set to SAP (analog program from the ANT input).
3.	The sound from my A/V receiver does not match the screen picture (I should hear the correct audio from my A/V receiver).	<ul style="list-style-type: none"> <li>Check that DIGITAL AUDIO OUTPUT and/or AVR AUDIO OUTPUT on TV's back panel is connected to the A/V receiver. Without this connection, devices connected only to the TV (and not the A/V receiver) can be heard only from the TV speakers. Note that this includes the ANT input, a device (such as a camcorder or MP3 files from a USB drive) connected to the front panel, and any other device sending audio to the TV only.</li> <li>Input mode may be selecting unrecognized AV audio input.</li> <li>Wrong NetCommand settings. See online Owner's Guide.</li> </ul>
4.	Cannot select an audio-only device; it does not appear in the Activity menu.	Plug an unused video plug into the INPUT 3 <b>Y/VIDEO</b> jack to activate Auto Input Sensing and make the audio device selectable in the Activity menu.

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**d. Notice.** To obtain warranty service, you must notify an authorized MITSUBISHI service center of any defect within the applicable warranty time period.

**BEFORE REQUESTING SERVICE, please review the TV owner's guide to insure proper installation and correct customer control adjustment. If the problem persists, please arrange for warranty service.**

## 1. TO OBTAIN WARRANTY SERVICE:

**a.** Contact your nearest authorized MITSUBISHI service center whose name and address can be obtained from your MITSUBISHI dealer, by writing to the address provided below, calling MDEA at 800-332-2119, or using the support feature of our website at [www.Mitsubishi-tv.com](http://www.Mitsubishi-tv.com).

**b.** Warranty service will be provided in your home or, if required, at an authorized service shop, provided that your television is located within the geographic territory customarily covered by an authorized MITSUBISHI service center. If not, you must either deliver your television to an authorized service location at your own expense, or pay for any travel and/or transportation costs the service center may charge to and from you home. Actual service labor will be provided without charge.

**c.** Proof of purchase from an authorized MITSUBISHI dealer is required when requesting warranty service. Present your sales receipt or other document which establishes proof and date of purchase. **THE RETURN OF THE OWNER REGISTRATION CARD IS NOT A CONDITION OF WARRANTY COVERAGE.** However, please return the Owner Registration Card so that we can contact you should a question of safety arise which could affect you.

## 2. THIS LIMITED WARRANTY DOES NOT COVER:

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**b.** Cosmetic damage or any other damage where such damage is caused by unauthorized modification, alteration, repairs to or service of the product by anyone other than an authorized MITSUBISHI service center; physical abuse to or misuse of the product (or any product damaged by excessive physical or electrical stress); any products that have had a serial number or any part thereof altered, defaced or removed; product use in any manner contrary to the Owner's Guide; freight damage; or any damage caused by acts of God or other factors beyond the reasonable control of MDEA, such as power surge damage caused by electrical system or damages caused by use of third party mounting brackets or stands. This limited warranty also excludes service calls where no defect in the product covered under this warranty is found, service calls related to unsatisfactory audio or visual reception or signal unless caused by a defect in the product that is covered under this limited warranty, all costs, expenses or any other damages arising from product installation, removal from or re-installation into custom installations or on wall mountings, or set-ups, any adjustments of user controls (including contrast, brightness, color, tint, fine tuning, sharpness), other adjustment necessary to prepare the unit for display or use, connection with any external audio receiver, antenna, cable or satellite systems, or service of products purchased or serviced outside the U.S.A. Please consult the operating instructions contained in the Owner's Guide furnished with the product for information regarding user controls.

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**For questions, call Consumer Relations at  
800-332-2119**

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**Visit our website [www.mitsuparts.com](http://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, hold power button for about 10 seconds.

The TV will take longer to power on after the system reset or AC on.

Setting changes you made most recently before the system reset, may be lost.

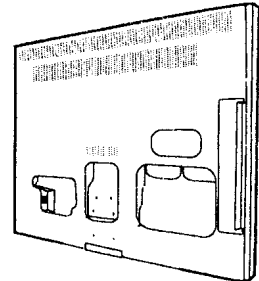
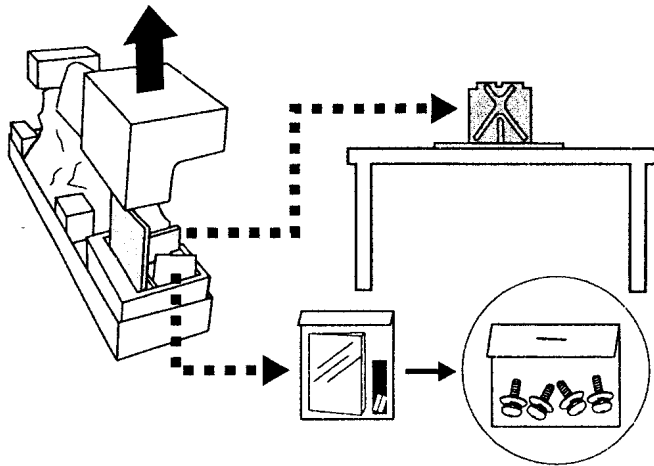
# STAND INSTALLATION

Panel HDTV • 151 Series • 153 Series • 249 Series

Required:  
Phillips Screwdriver

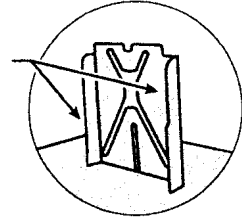


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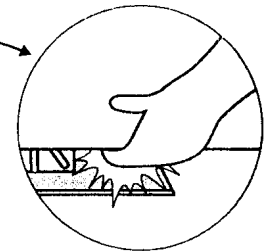
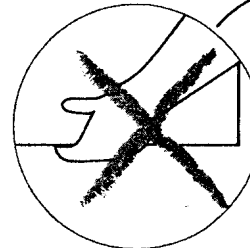
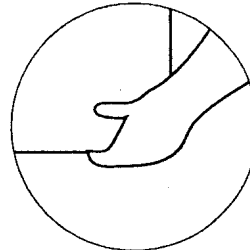
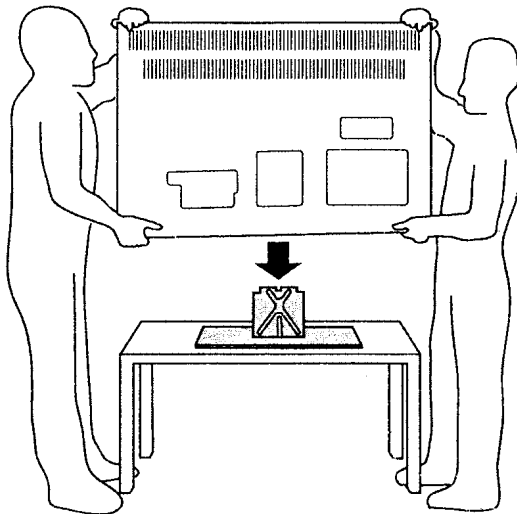


**Back**

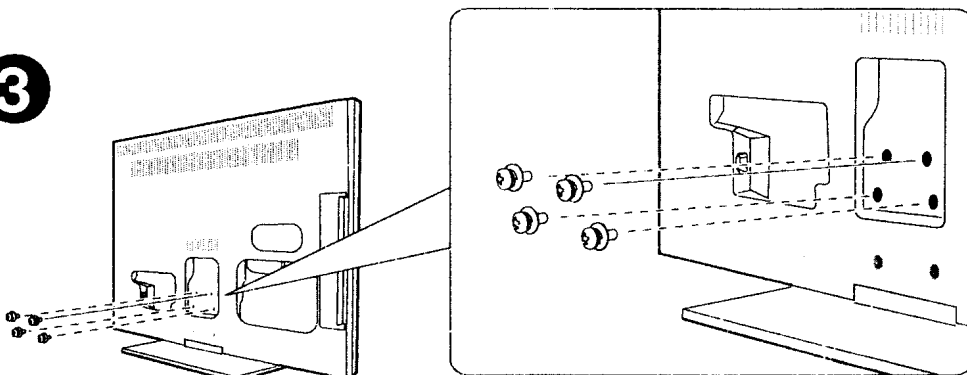
Extension  
pieces on  
back of stand



**2**



**3**

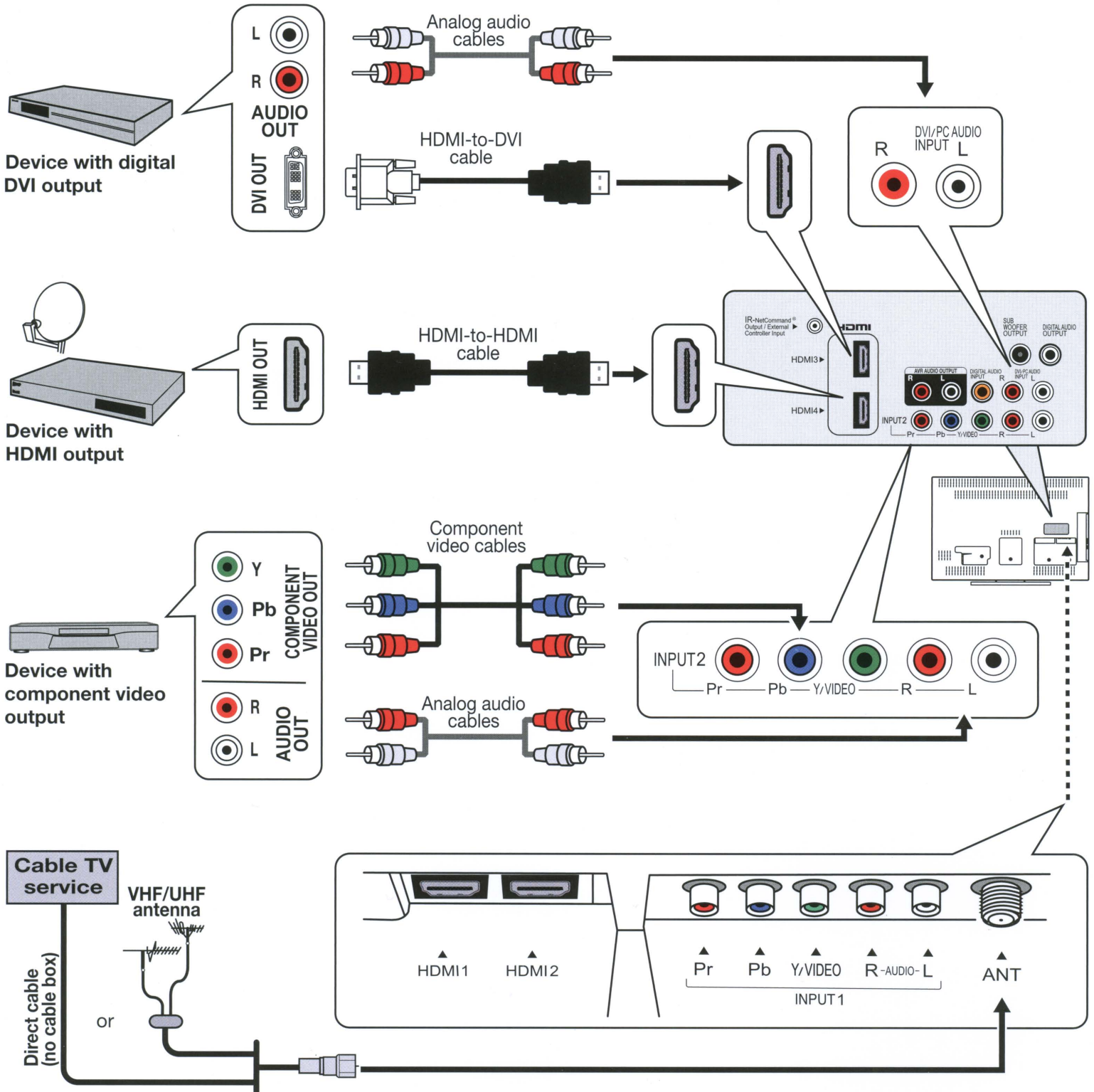




## Connecting HDTV Sources

**Important:** To view high-definition (HD) pictures you must use a high-definition programming source. Examples of high-definition sources are cable service with an HD cable box, satellite service with an HD receiver, a Blu-Ray disc player, an antenna, and direct cable service without a box.

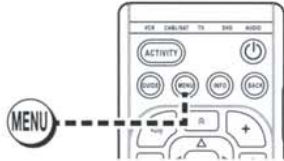
**Note:** For some installations (e.g., wall-mounting), it may be most convenient to use the **INPUT 1** jacks. The **INPUT 1** jacks are located in the recessed area on the back of the TV. See the diagram at the bottom of the page.



## Memorizing Channels on the ANT (Antenna) Input

Save channels to memory with a channel scan to enable reception of HD digital channels. The scan will search for local channels available from an antenna or direct cable service (no cable box). If you skip this step, the TV will receive only analog channels.

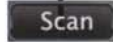
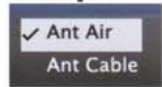
1. Press **MENU**.



2. Press **▲▼** and **◀▶** to open the *Initial > Channel* menu. Press **ENTER**.



3. Select **Ant Air** if connected to an over-the-air antenna. Select **Ant Cable** for direct cable.
4. Highlight **Scan** and press **ENTER**. Wait for the completion message before continuing.



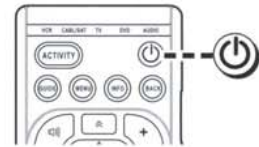
## Setting Up Other Inputs

1. Connect your devices to the TV, making note of which TV input jack is used for each device.



2. Power on all connected devices to ensure detection.

3. Power on the TV.



4. When the **New Device Found** menu displays, select the device type from the list if the device is not recognized automatically.

### New Device Found

Sample New Device Found menu

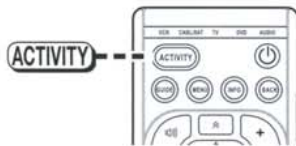


5. Press **BACK** to close the menu.

The TV will then display the **New Device Found** menu for the next connection it finds.

## Selecting a Source to Watch

1. Press **ACTIVITY**.



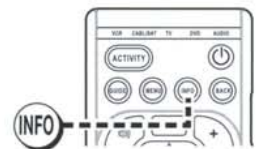
2. Press **▲▼** and **◀▶** to highlight a source.



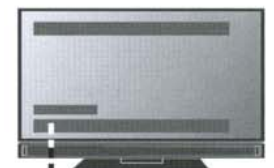
3. Press **ENTER** to switch to the source.

## Identifying HD Broadcasts Received on the ANT (Antenna) Input

1. Press **INFO**.



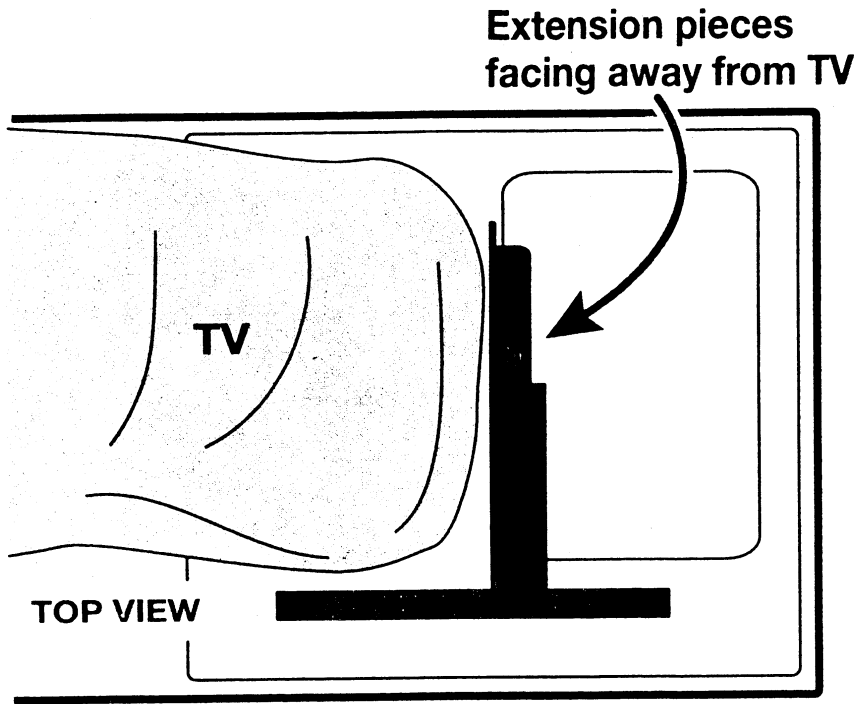
2. The status display will indicate if the broadcast is analog standard definition (480i), standard definition digital (SD), or high-definition digital (HD).



Receiving a High-Definition Digital Signal (HD)

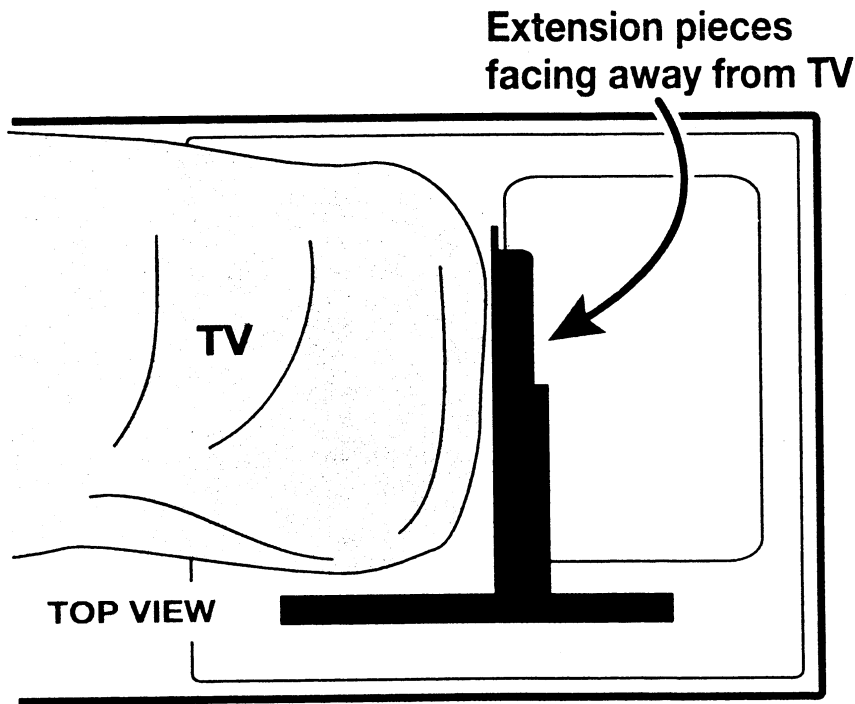
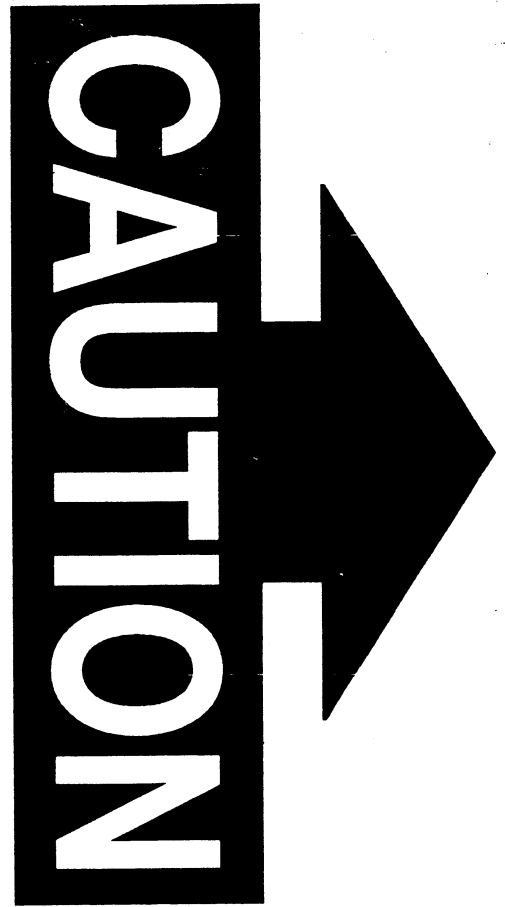
Tues 9:10 PM  
HD 16:9 Wide Expand





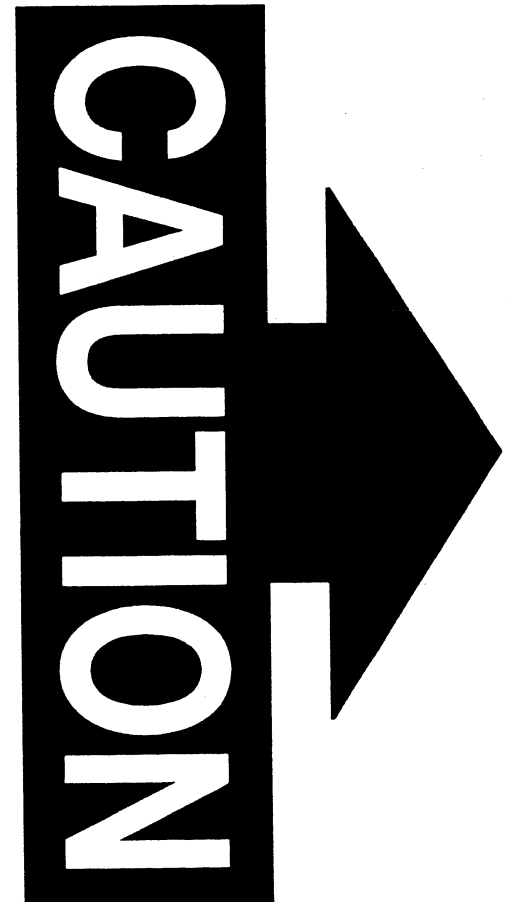
## Repacking the Stand

To prevent TV damage, place stand in foam insert with extension pieces facing away from TV.



## Repacking the Stand

To prevent TV damage, place stand in foam insert with extension pieces facing away from TV.



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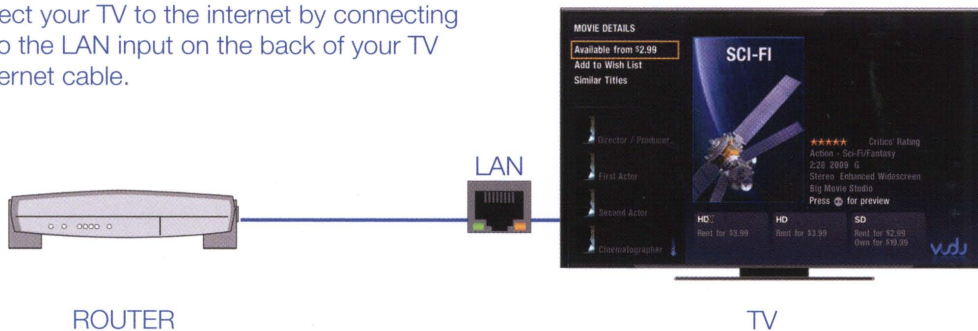
To start using VUDU™, make sure your TV is connected to the Internet, then:

- 1) Turn on TV
- 2) Press the ACTIVITY key on the remote
- 3) Scroll down to "Watch Movie"
- 4) Highlight the VUDU™ icon Press ENTER on the remote
- 5) You can browse the VUDU™ catalog and service, including the web applications under VUDU™ Labs
- 6) When you first rent or buy a movie, you will be prompted to activate your VUDU™ account.

You can connect your TV to the internet using a wired or wireless configuration:

## WIRED CONFIGURATION:

Simply connect your TV to the internet by connecting your router to the LAN input on the back of your TV using an ethernet cable.



OR

You can establish a wireless connection using VUDU™'s Wireless Kit available for purchase at [www.vudu.com](http://www.vudu.com)

## WIRELESS CONFIGURATION:

Connect one VUDU™ Wireless Adapter to your home network and the other VUDU™ Wireless Adapter to your TV's LAN input. Next, connect the USB cable to the USB B input on the back of the TV.



To Enjoy VUDU™, you will need a Broadband internet connection:

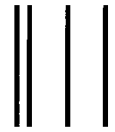
- Standard Definition Movies – 1 Mbps or higher
- High Def Movies – 2.25 Mbps or higher
- HDX Movies – 4.5 Mbps or higher

If your internet connection is slower than the minimum required speed, you may experience viewing difficulties.

For more information please refer to your owner's guide.

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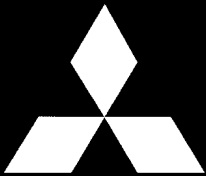
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