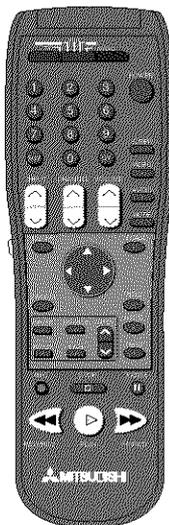
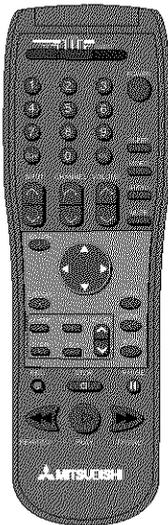


# PROJECTION TELEVISION OWNER'S GUIDE



**VS-45607**

**VS-50607**

**VS-50707**

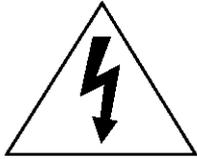
**VS-55707**

**VS-60607**

**VS-60707**

**VS-70707**





## 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 to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



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 appliance.

**Warning:** To avoid permanently imprinting a fixed image onto your TV screen, please do not display the same stationary images on the screen for more than 15% of your total TV viewing in one week. Examples of stationary images are letterbox top/bottom bars from DVD disc or other video sources, side bars when showing standard TV pictures on widescreen TV’s, stock market reports, video game patterns, station logs, web sites or stationary computer images. Such patterns can unevenly age the picture tubes causing permanent damage to the TV. Please see page 58 for a detailed explanation.

**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 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 void the user’s authority to operate this equipment.

### **WARNING:**

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

### **CAUTION:**

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

### **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 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.

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# Important Safeguards

Please read all these instructions regarding your television set and retain for future reference. Follow all warnings and instructions marked on the television.

## 1. Read, Retain and Follow Instructions

Read all safety and operating instructions before operating the appliance. Retain the safety and operating instructions for future reference. Follow all operating and use instructions.

## 2. Heed Warnings

Adhere to all warnings on the appliance and in the operating instructions.

## 3. Cleaning

Unplug this TV receiver from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Cleaners can permanently damage the cabinet or screen. Use a damp cloth for cleaning.

## 4. Attachments and Equipment

Never add any attachments and/or equipment without approval of the manufacturer as such additions may result in the risk of fire, electric shock or other personal injury.

## 5. Water and Moisture

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

## 6. Accessories

Do not place this TV receiver on an unstable cart, stand, tripod, bracket, or table. The TV receiver may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the TV receiver. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.



An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

## 7. Ventilation

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

## 8. Power Source

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

## 9. Grounding or Polarization

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

## 10. Power-Cord Protection

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

## 11. Lightning

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

## 12. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

## 13. Overloading

Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

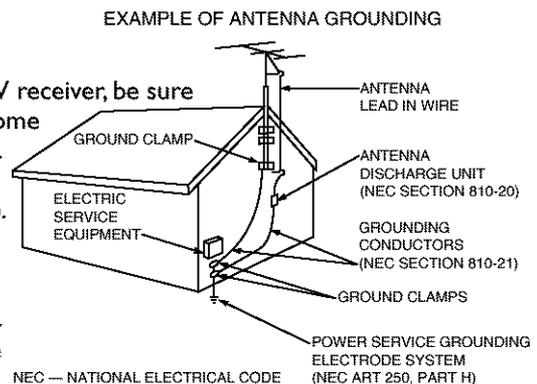
## 14. Object and Liquid Entry

Never push objects of any kind into this TV receiver through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the TV receiver.

## 15. Outdoor Antenna Grounding

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

Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



## 16. Servicing

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

## 17. Damage Requiring Service

Unplug this TV receiver from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the TV receiver.
- If the TV receiver has been exposed to rain or water.
- If the TV receiver does not operate normally by following the operating instructions, adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the TV receiver to its normal operation.
- If the TV receiver has been dropped or the cabinet has been damaged.
- When the TV receiver exhibits a distinct change in performance — this indicates a need for service.

## 18. Replacement Parts

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

## 19. Safety Check

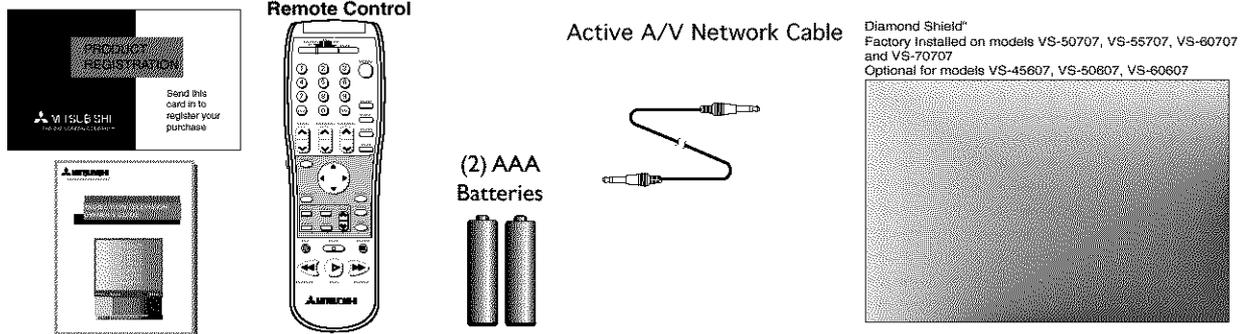
Upon completion of any service or repairs to this TV receiver, ask the service technician to perform safety checks to determine that the TV receiver is in safe operating condition.

## Special Features

- ◇ **Component Video Input** - for the best picture from DVD players
- ◇ **DiamondShield™** - protective screen shield  
(Optional with VS-45607, VS-50607 & VS-60607)
- ◇ **IRIS™** - sensor that automatically adjusts brightness and contrast
- ◇ **Multibrand Remote Control** - use one remote control for many audio video components
- ◇ **PIP and POP** - Picture-in-picture and Picture-outside-picture with split screen mode

## Unpacking Your TV

The following items are included with your new TV:



## Choosing a Hookup

The connections shown in this book are general. Cable systems as well as individual audio and/or video components can vary from those shown here. The first diagrams show basic connections to antenna or cable systems. After you have completed these, you can then connect any additional components (stereo, DVD, AV receiver, etc.).

### IMPORTANT

To maximize your system for its best performance, your dealer can help you customize hookups and sell you any additional connection accessories that may be needed for your individual equipment.

## Shortcuts

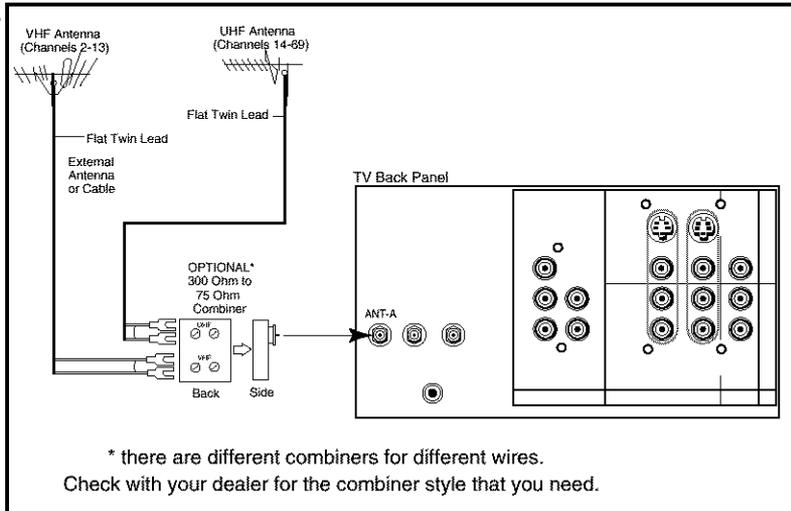
- ◇ **Hooking up your TV to an antenna or wall outlet cable - page 9**
- ◇ **Remote control functions - pages 19-20**
- ◇ **Menu screen summaries - page 22-24**
- ◇ **Selecting the input - page 31**
- ◇ **Setting the V-chip parent lock - page 33**
- ◇ **Picture-in-picture mode - page 50**
- ◇ **Picture-outside-picture mode - page 52**
- ◇ **Troubleshooting - page 57**

# Connections

## TV to Antenna or Wall Outlet Cable

### Separate UHF and VHF antennas

1. Connect the UHF and VHF antenna leads to the UHF/VHF combiner.
2. Press the combiner onto ANT-A on the TV back panel.



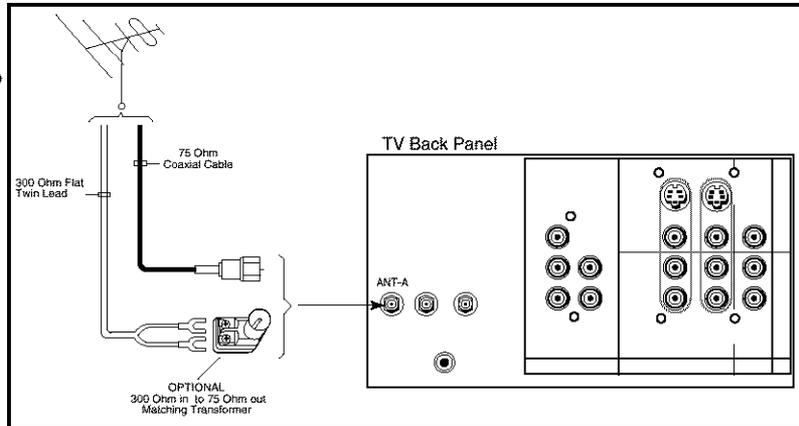
### Twin lead antenna or wall outlet cable

#### For antenna with twin flat leads

1. Connect the 300 ohm twin leads to the transformer.
2. Push the 75 ohm side of the transformer onto ANT-A on the TV back panel.

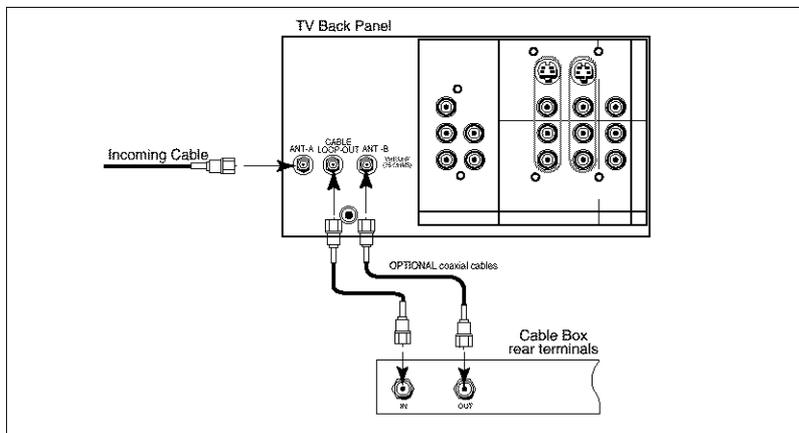
#### For cable or antenna with coaxial lead

Connect the incoming cable to ANT-A on the TV back panel.



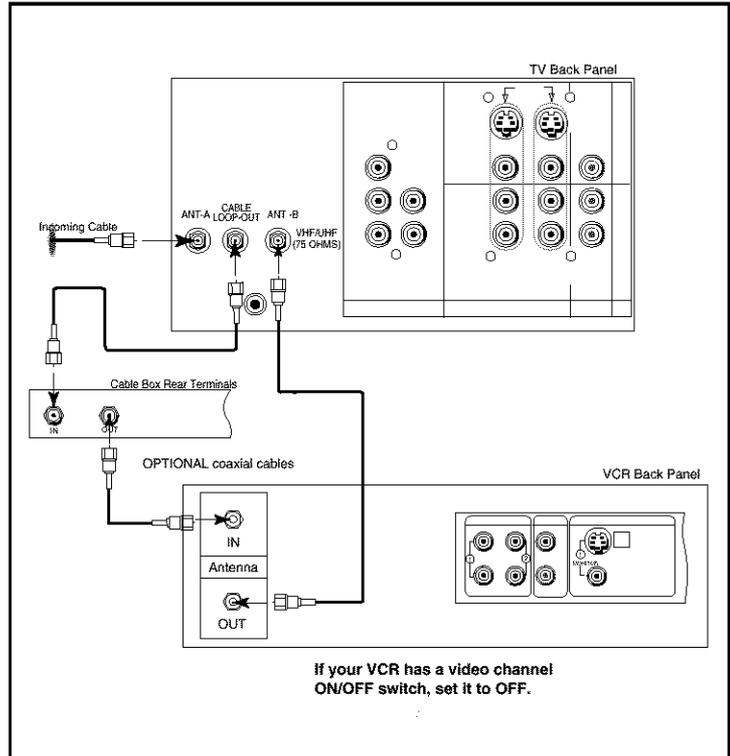
## Connection of TV to Cable Box

1. Connect the incoming cable to ANT-A on the TV back panel.
2. Connect two coaxial cables as follows:
  - One from CABLE LOOP-OUT on the TV back panel to IN on the back of the cable box.
  - One from OUT on the back of the cable box to ANT-B on the TV back panel.



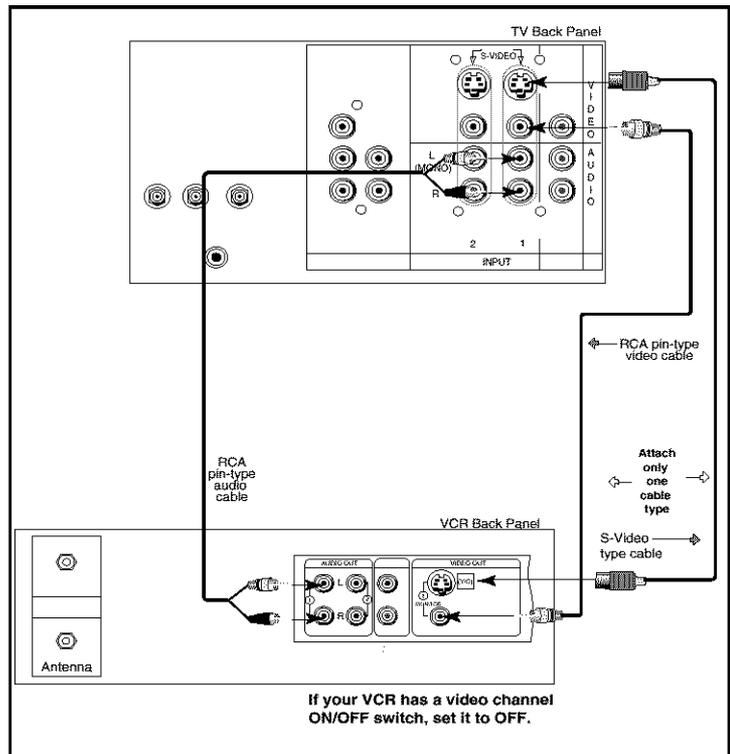
## Connection of TV to VCR and Cable Box

1. Connect the incoming cable to ANT-A on the TV back panel.
2. Connect three coaxial cables as follows:
  - One from CABLE LOOP-OUT on the TV back panel to IN on the back of the cable box.
  - One from OUT on the back of the cable box to ANTENNA IN on the VCR back panel.
  - One from ANTENNA OUT on the VCR back panel to ANT-B on the TV back panel.



## Audio Video Connections

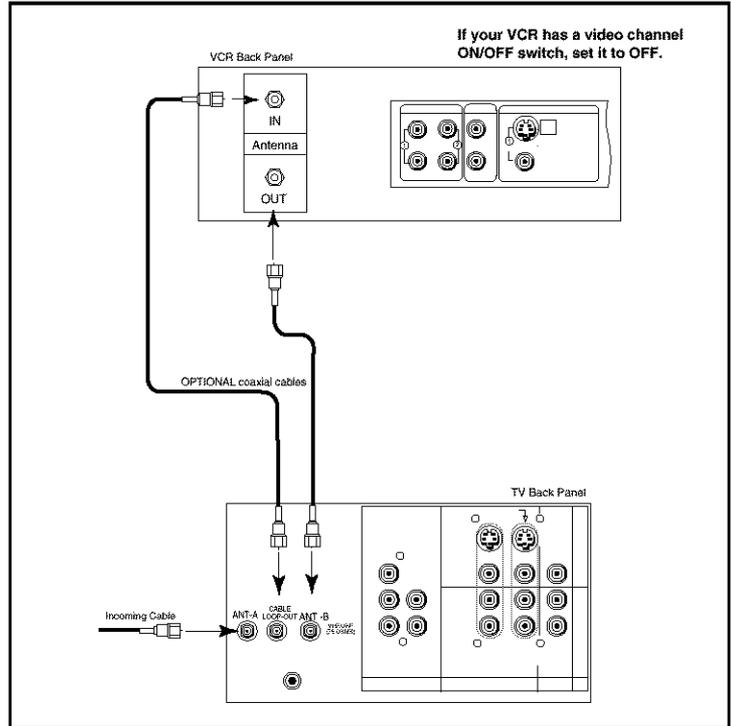
1. Connect a video cable from VIDEO OUT on the VCR back panel to VIDEO INPUT 1 or INPUT 2 on the TV back panel.
- If you have a S-VHS VCR, follow the same steps, using the S-Video terminals on the VCR and TV.
2. Connect a set of audio cables from AUDIO OUT on the VCR back panel to AUDIO INPUT on the TV back panel. The red cable connects to the R (right) channel and the white cable connects to the L (left). If your VCR is non-stereo, connect only the L (left) cable.



# Connection of TV to VCR and Antenna or Wall Outlet Cable

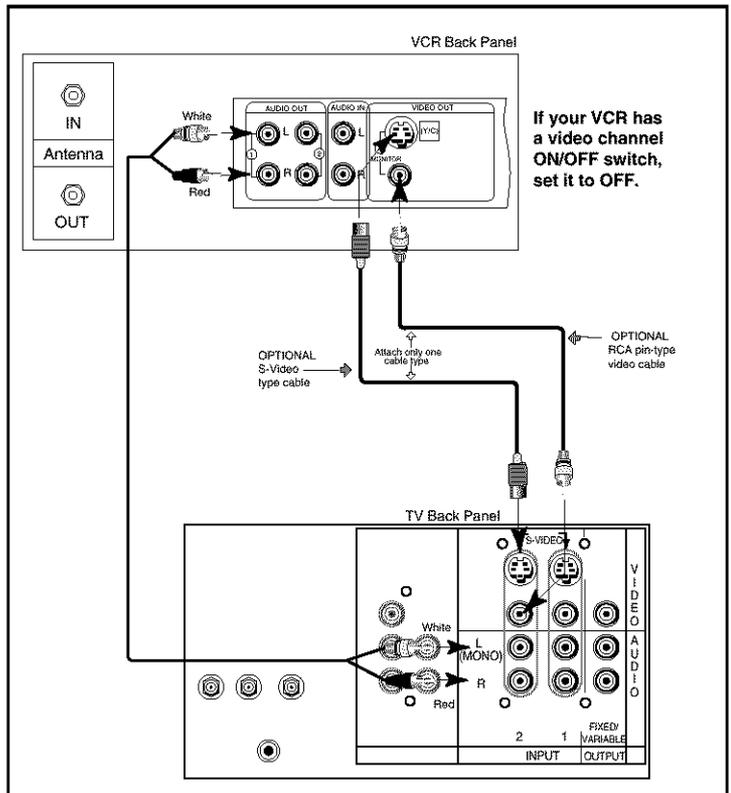
## Antenna/Cable Connections

1. Connect the incoming cable to ANT-A on the TV back panel.
2. Connect two coaxial cables as follows:
  - One from CABLE LOOP-OUT on the TV back panel to ANTENNA IN on the VCR back panel.
  - One from VCR back panel ANTENNA OUT to ANT-B on the TV back panel.



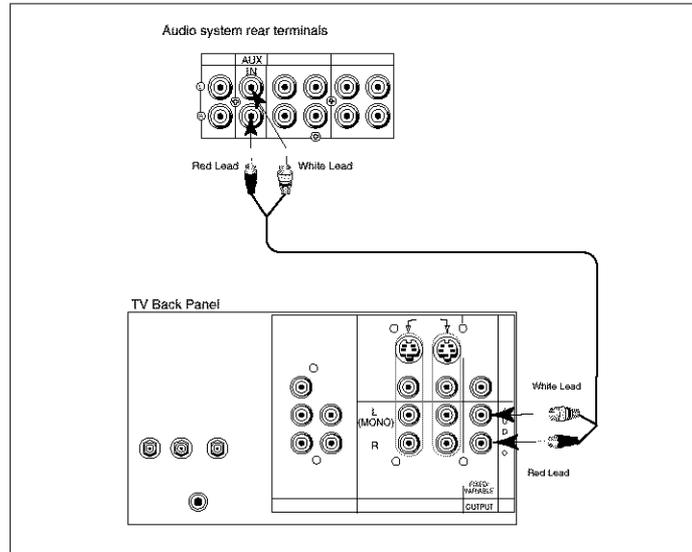
## Audio/Video Connections

1. Connect a video cable from VIDEO OUT on the VCR back panel to VIDEO INPUT 1 or INPUT 2 on the TV back panel.
  - If you have a S-VHS VCR, follow the same steps, using the S-Video terminals on the VCR and TV.
2. Connect a set of audio cables from AUDIO OUT on the VCR back panel to AUDIO INPUT on the TV back panel. The red cable connects to the R (right) channel and the white cable connects to the L (left). If your VCR is non-stereo, only connect the L (left) cable.



## Connection of TV to Stereo Audio System

1. Connect the audio cables from AUDIO MONITOR OUTPUT on the TV back panel to TV IN or AUX IN terminals on the back of the audio system. The red cable connects to the R (right) channel and the white cable connects to the L (left) channel.
2. Turn off the TV's speakers through the AV Connection Menu (page 27-28).
3. Set the audio system's input to the TV or AUX position to hear the TV's audio through your stereo system.



## Connection of TV to the Active A/V Network

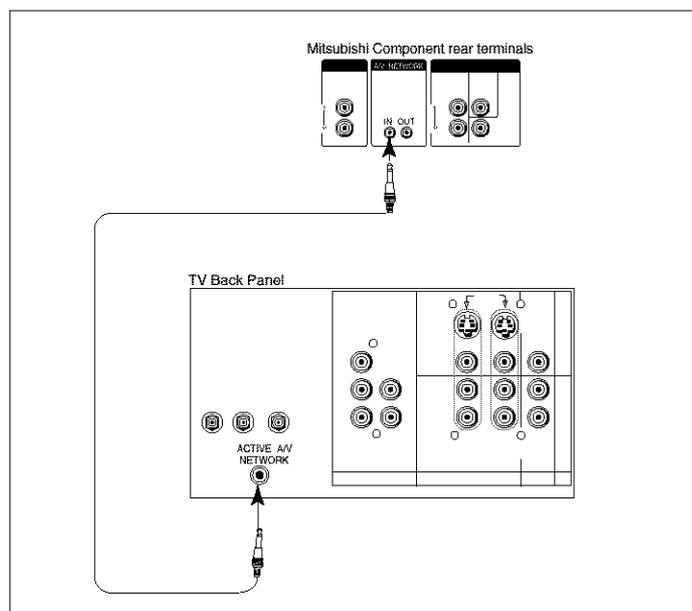
### To control your Mitsubishi audio and/or video products with one remote control

Connect the A/V network cable from ACTIVE A/V NETWORK on the TV back panel to IN on the back of a Mitsubishi component that has A/V network terminal.

Turn the ACTIVE A/V NETWORK on, through the AV CONNECTION menu (pages 27-29).

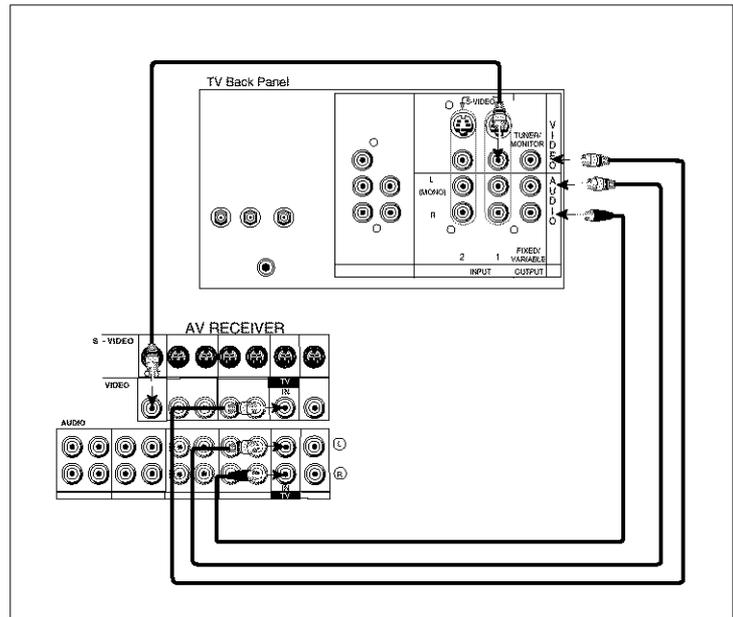
**IMPORTANT**

Check the Owner's Guide of your added Mitsubishi components to ensure the best possible connections.



## Connection of TV to AV Receiver

1. Connect a video cable from VIDEO MONITOR OUT on the back of the AV Receiver to VIDEO INPUT 1 on the TV back panel using a VIDEO cable.
2. Connect a video cable from VIDEO MONITOR OUTPUT on the TV back panel to VIDEO TV IN on the back of the AV Receiver.
3. Connect a set of audio cables from AUDIO OUTPUT on the TV back panel to AUDIO TV IN on the back of the AV Receiver. The red cable connects to the R (right) channel and the white cable connects to the L (left) channel.



## Connection of TV to DVD with Component Video Outputs

### IMPORTANT

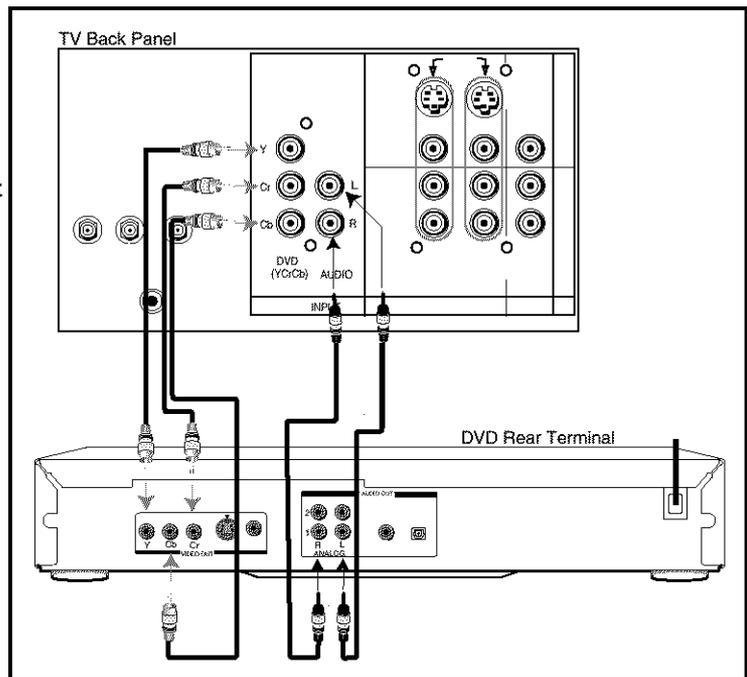
For Digital Audio connections, see the Owner's Guides of your DVD Player and AV Receiver.

#### For Component Video Connections

1. Connect the Component Video cables from VIDEO OUT on the back of the DVD player to DVD VIDEO INPUT on the TV back panel, matching the correct components:

- Y to Y,
- Cr to Cr,
- Cb to Cb.

2. Connect a set of audio cables from AUDIO OUT on the back of the DVD player to DVD AUDIO INPUT on the TV back panel. The red cable connects to the R (right) channel and the white cable connects to the L (left) channel.



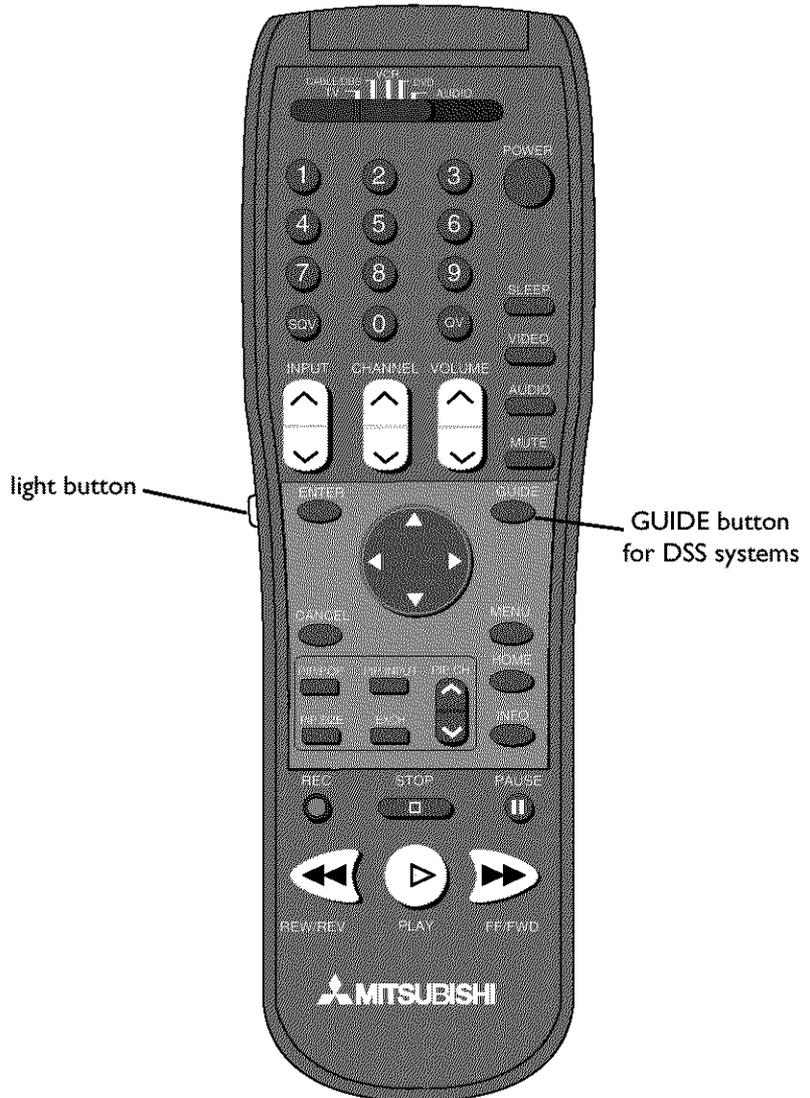
**Warning:** Don't display the same stationary images on the screen for more than 15% of your total TV viewing in one week. Examples of stationary images are letterbox top/bottom bars from DVD disc or other video sources, side bars when showing standard TV pictures on widescreen TV's, stock market reports, video game patterns, station logs, web sites or stationary computer images. Such patterns can unevenly age the picture tubes causing permanent damage to the TV. Please see page 58 for a detailed explanation.

# Remote Control Functions

**For Models VS-45607  
VS-50607 and VS-60607**



**Additional features of Models  
VS-50707, VS-55707, VS-60707  
and VS-70707**

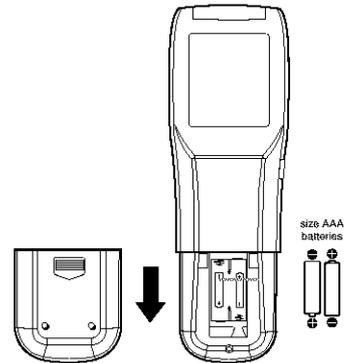


# Operating Your Remote Control

## Installing the batteries

1. Remove the back cover of the remote control by pushing the tab in the direction of the arrow and sliding off the cover.
2. Load the batteries, making sure the polarities(+) and (-) are correct.

**IMPORTANT**  
When you replace the batteries in your remote control, the remote may return to its initial setting. You may need to set up your remote again.



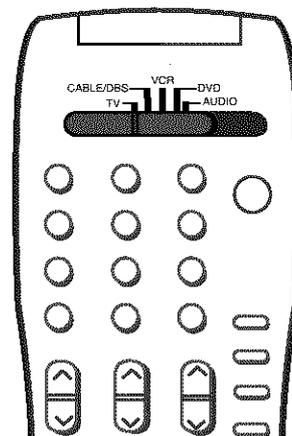
## For best results

- Be within 20 feet of the equipment when using the remote control.
- Don't press two or more buttons at the same time, unless you are specifically instructed to do so in this owner's guide.
- Don't allow the remote control to get wet or become heated.
- Avoid dropping the remote control on a hard surface.
- When cleaning the remote control, don't use any harsh chemicals. Use only a soft, slightly moistened cloth.
- Don't mix new batteries with old ones.
- Don't heat, take apart, or throw batteries into a fire.
- Use AAA alkaline batteries.

## Using the remote control with your TV

You can use your remote to control the TV, CABLE/DBS, VCR, DVD or AUDIO. The remote has been preset to operate the TV and other Mitsubishi products. It can be set to control other audio/video equipment.

To operate the TV, the select switch at the top of the remote should be set to TV.



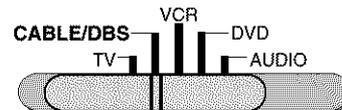
# Remote Control of Other Audio and Video Products

## Programming the Remote to Control Other Audio and Video Products:

- Move the slide switch at the top of the remote to select the audio or video product you want to control.
- Press and hold the POWER button, so that it stays down when you enter the code.
- Enter the code for the equipment from the appropriate list, exactly as stated. If there is more than one code number, start with the first number. After setting the code, release the POWER button.
- Point the remote at the equipment and press the POWER button. If it is on and turns off or is off and turns on, the remote will control the equipment. If not, try the next number.

### Cable Box codes:

Cable box brand	code to enter:	If your cable box code is not listed here, please see page 63 for a complete listing.
General Instruments/ Jerrold	111, 119, 120, 121, 122, 123, 124, 125, 126, 127	
Oak	102, 137, 139	
Pioneer	101, 116	
Scientific Atlanta	111, 112, 113	
Zenith	100, 117	
<b>To reset to default code, enter 000</b>		

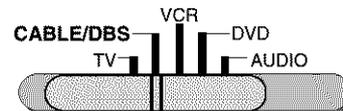


**IMPORTANT**

If you cannot turn the cable box ON by pressing POWER, try pressing the CHANNEL or the number buttons.

### Satellite Receiver codes:

Satellite brand	code to enter:	If your satellite code is not listed here, please see page 63 for a complete listing.
Mitsubishi	173	
Echostar/Dishnetwork	175	
Hughes-DSS	173	
RCA-DSS	176	
Sony-DSS	177	
Toshiba-DSS	170	
Panasonic-DSS	174	
Primestar	178	
<b>To reset to default code, enter 000</b>		

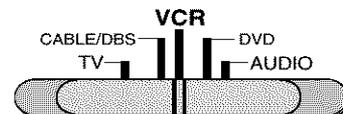


**IMPORTANT**

When set to TV, the PLAY, STOP, REW/REV and the FF/FWD keys will operate the VCR after the VCR codes have been chosen.

### VCR codes:

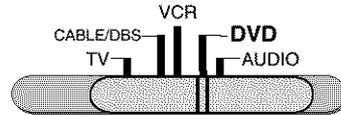
VCR brand	code to enter:	If your VCR code is not listed here, please see page 64 for a complete listing.
Mitsubishi	001, 002	
Hitachi	020, 043, 065	
JVC	030, 054, 059	
Philips/Magnavox	043, 044, 051	
Panasonic	041, 042, 043	
RCA	020, 053, 065	
Sony	048, 049, 050	
Toshiba	021, 066	
<b>To reset to default code, enter 000</b>		



## Remote Control of Other Audio and Video Product, continued

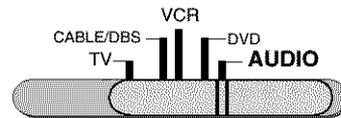
### DVD Player codes:

DVD/LDP brand	code to enter:	If your DVD code is not listed here, please see page 63 for a complete listing.
Mitsubishi (DVD)	003	
Mitsubishi (LDP)	016, 017	
Panasonic	250	
Pioneer DVD (LDP)	252 (016, 017)	
Sony	254	
Toshiba	253	
<b>To reset to default code, enter 000</b>		



### AV Receiver codes:

Audio brand	code to enter:	If your Audio code is not listed here, please see page 63 for a complete listing.
Mitsubishi AV receiver	010, 011, 012	
Mitsubishi CD player	013, 014, 015	
Kenwood	200, 208	
Onkyo	209, 214	
Pioneer	205, 207	
Sony	222	
Yamaha	201, 202	
<b>To reset to default code, enter 000</b>		



## IMPORTANT

If the slide switch is set to TV when you enter an AV receiver code, **VOLUME** and **MUTE** will be controlled by the AV receiver, rather than the TV. To return **VOLUME** and **MUTE** control to the TV, set the slide switch to TV, press and hold **POWER** and enter **000**.

### Additional slide switch feature: for multiple A/V component systems

Your Mitsubishi remote control was designed for flexibility in both large and small A/V systems. For example, you can use the slide switch in the following way:

If you have two VCR's, but no DVD player, move the slide switch to the DVD position and enter the second VCR code. Then when the slide switch is moved to DVD you can control the second VCR.

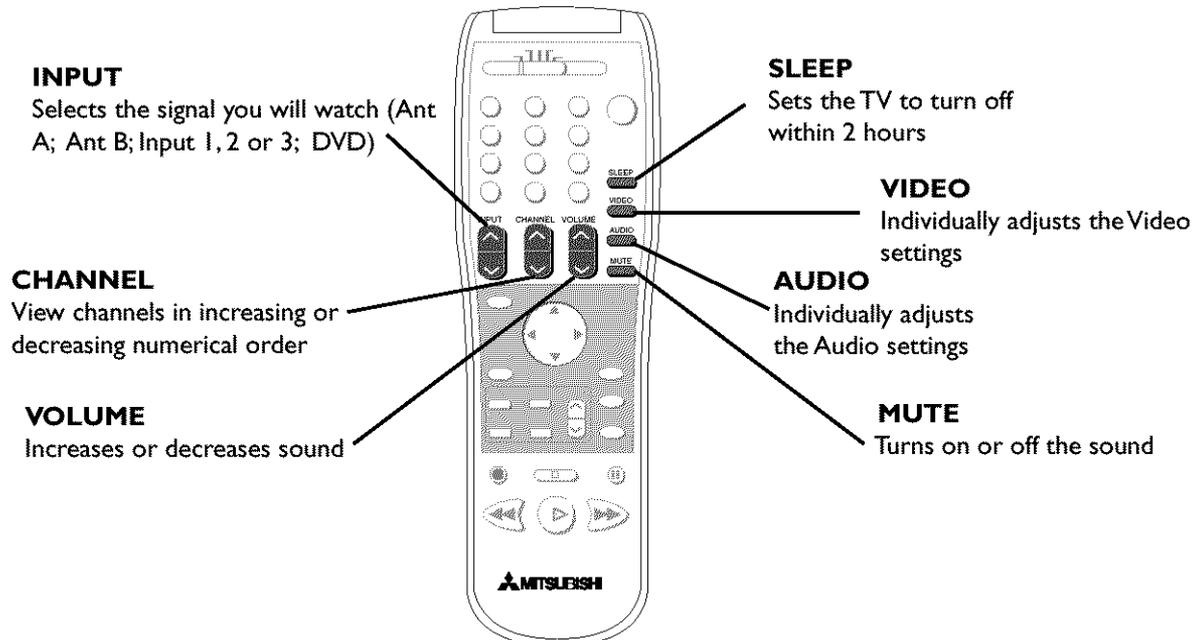
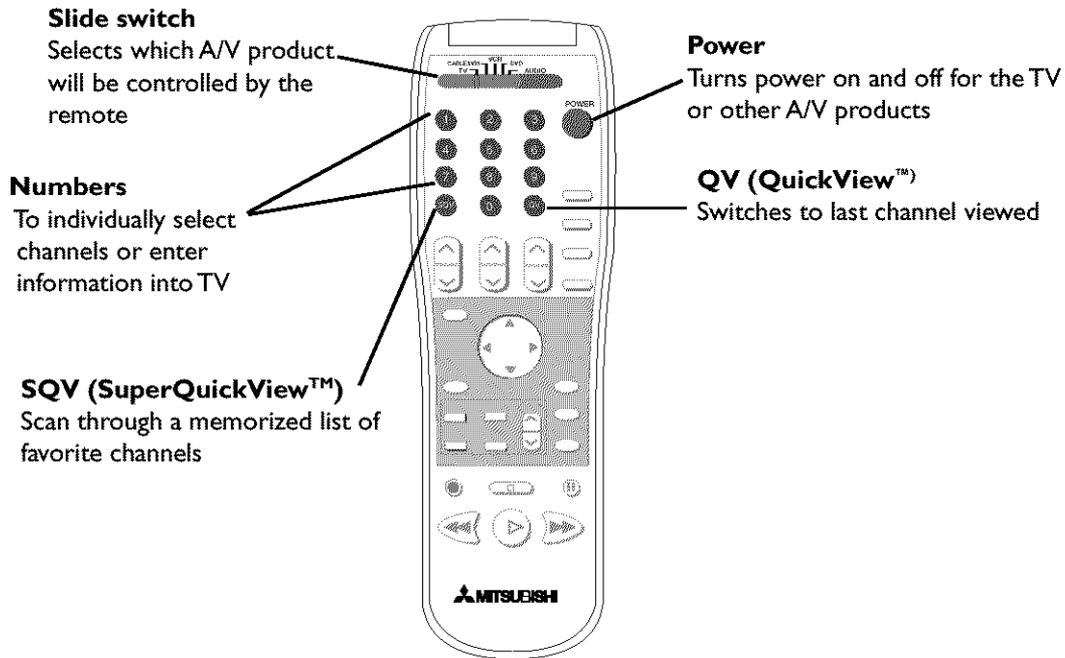
The following chart shows which device can be entered for each position. Only one device is allowed for each slide switch position.

TV position:	Cable/DBS position:	DVD position:	VCR position:	Audio position:
<ul style="list-style-type: none"> <li>• TV</li> <li>• A/V receiver (volume, mute only)</li> </ul>	<ul style="list-style-type: none"> <li>• cable box</li> <li>• satellite receiver</li> </ul>	<ul style="list-style-type: none"> <li>• DVD</li> <li>• VCR</li> <li>• cable box</li> </ul>	<ul style="list-style-type: none"> <li>• VCR</li> <li>• Mitsubishi DVD player</li> </ul>	<ul style="list-style-type: none"> <li>• AV receiver</li> <li>• Mitsubishi CD player</li> <li>• cable box</li> </ul>

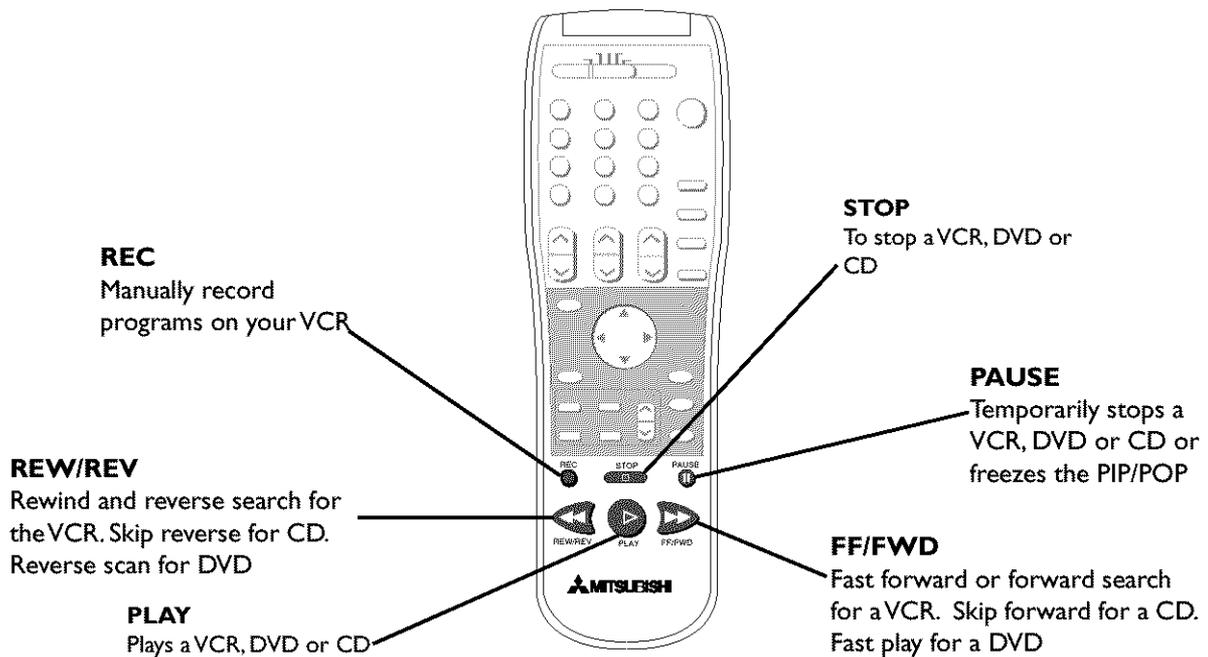
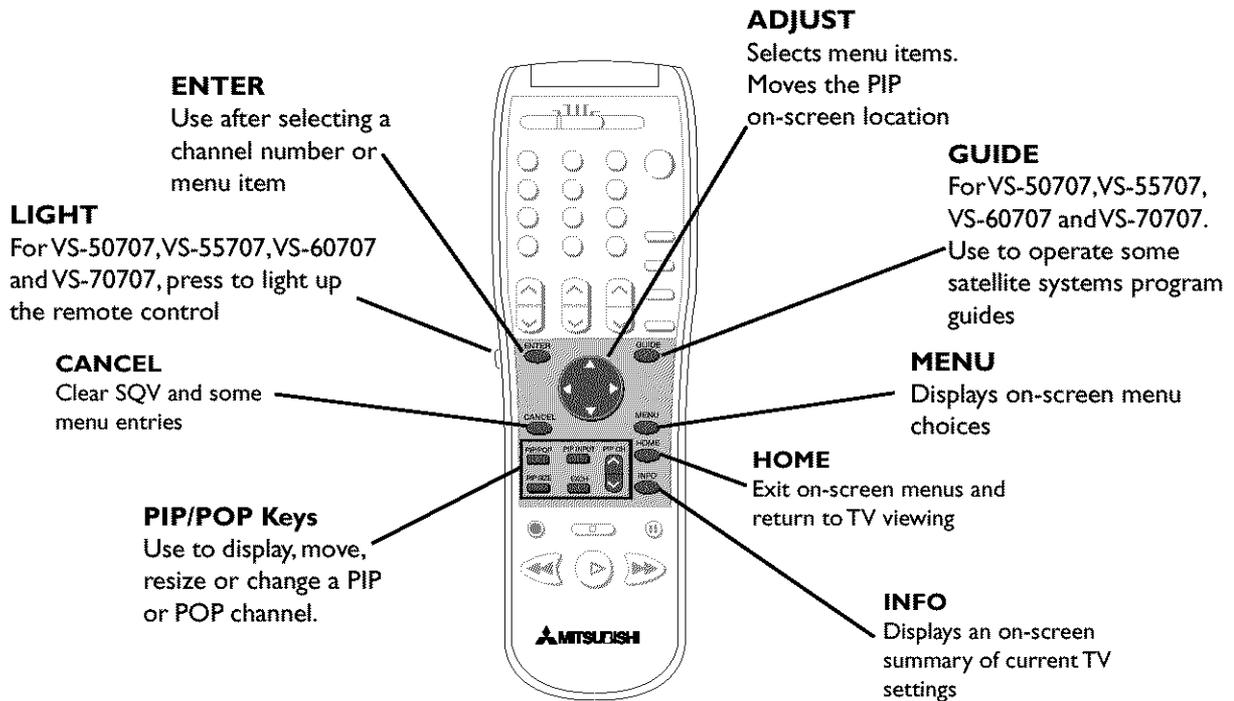
## IMPORTANT

Some manufacturers may change their products, or they may use more than one remote control system. If this is the case, your remote may not be able to operate your VCR, Cable Box, Satellite Receiver or AV Receiver.

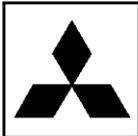
## Remote Control Functions



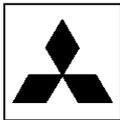
## Remote Control Functions, continued



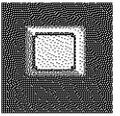
# The ViewPoint® Menu System



Your television has Mitsubishi's exclusive **ViewPoint®** on screen operating system, which provides on-screen information for menu choices and changes.

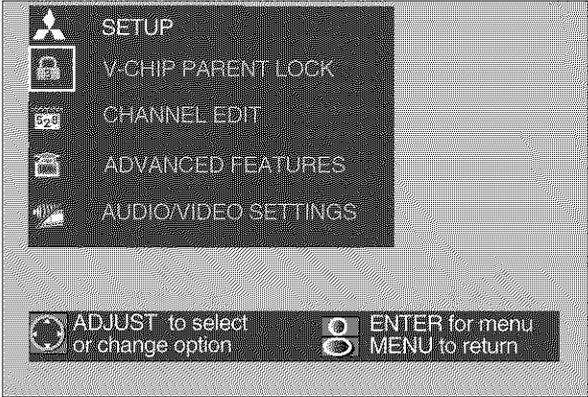


A highlighted **icon** is shown when there is another menu level for your choices. Pressing the **ENTER** button will display the menu options.



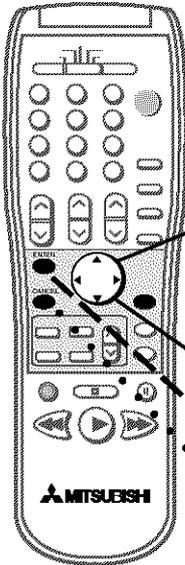
Make choices or changes to a menu item when you see a **button**.

## 1. MAIN MENU



The ViewPoint system includes the following special features:

- The selected icon or button is highlighted with a yellow outline and the text color will be yellow.
- On-screen instructions provide complete menu choice information.
- Some on-screen menu options must be set before other options are available. For example, "Set the Timer" will only be possible if "Clock Time" and "Set Day" have been set.



### Making Selections:

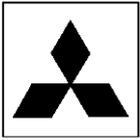
- ADJUST ▲ or ▼ to select the menu item you want to change
- ADJUST ► to move to the selection field
- ADJUST ▲ or ▼ to change the settings
- ADJUST ◀ to move back to the menu item
- ENTER to select an option, or start an automatic function
- CANCEL to clear a setting, or stop an automatic function

### To exit the on-screen menus:

**MENU** Press the MENU key to move back one menu screen at a time until you exit all the menus to return to television viewing

**OR**

**HOME** Press HOME to exit all menus with one keystroke and return to television viewing



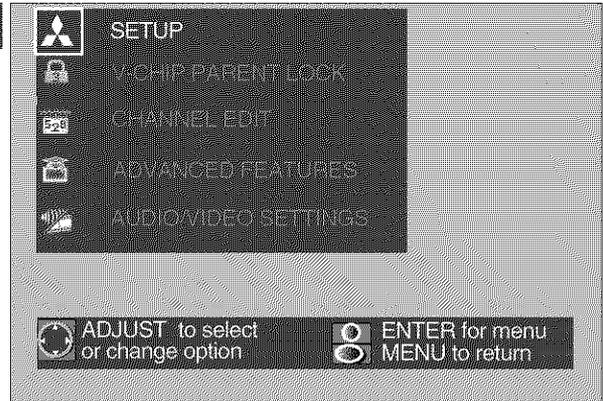
## Menu Screens



### Main Menu

The Main Menu Screen will always be the first screen that appears when you press the  button.

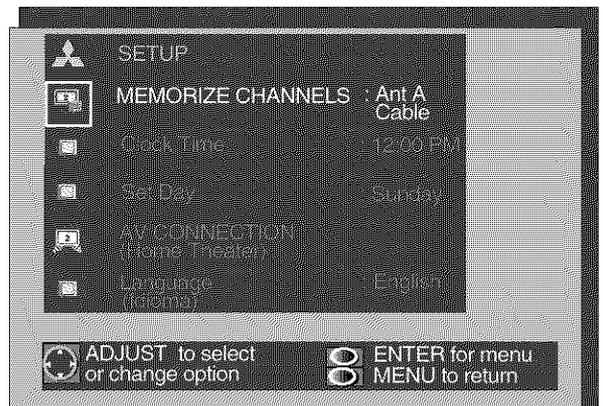
#### 1. MAIN MENU



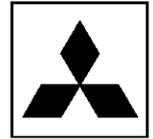
### SET UP Menu

Basic set up instructions are available through the **SETUP** menu screens. You can put channels in memory, set the time and day for the TV, set your TV to be part of a Home Theater setting and view the menus in English or Spanish.

#### 1. MAIN MENU 2. SETUP MENU



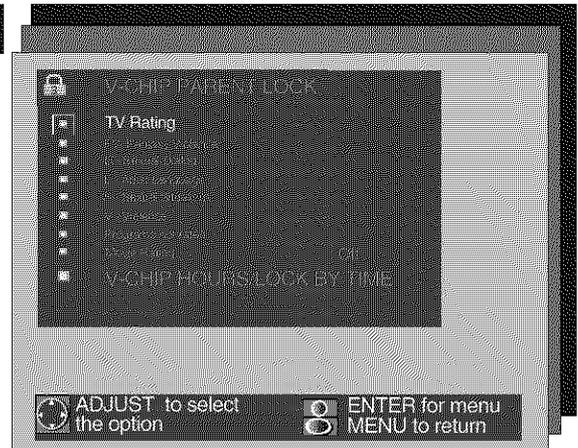
# Menu Screens, continued



## V-Chip Parent Lock Menu

- 1. MAIN MENU
- 2. V-CHIP PASSCODE
- 3. V-CHIP PARENT LOCK

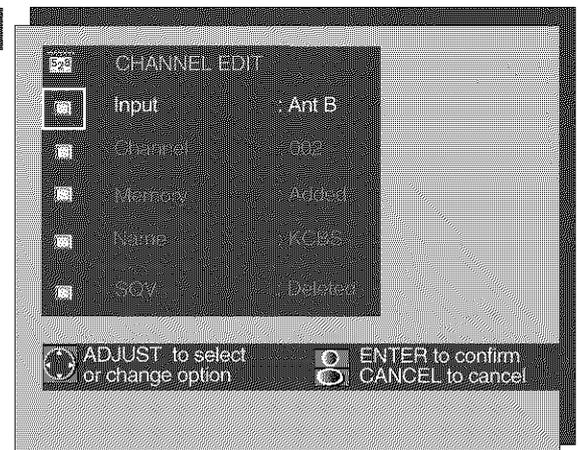
The optional, built-in V-chip allows you to lock out programs, based on ratings. The TV can be locked during a specific time period. Locked programs can be viewed after entering a 4 digit passcode of your choice.



## Channel Edit Menu

- 1. MAIN MENU
- 2. CHANNEL EDIT MENU

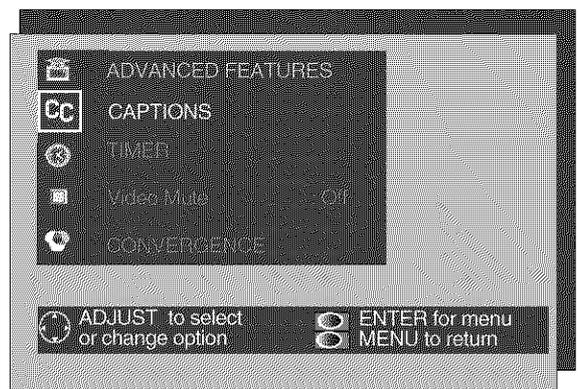
Use to select the input you want to edit. Here you can add or delete channels from memory, name channels, name inputs and add your favorite channels to the SuperQuickView™ list.

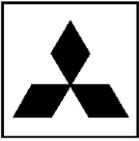


## The Advanced Features Menu

- 1. MAIN MENU
- 2. ADVANCED FEATURES MENU

These screens let you set your TV to display captions or text, turn on automatically, display a blue screen when showing an input with no signal or align (converge) the three main colors.





## Menu Screens, continued

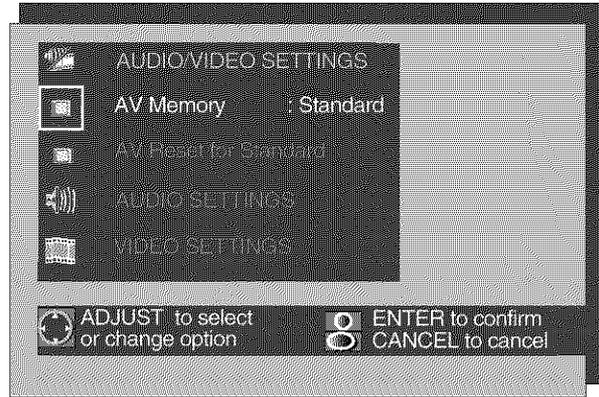


### The Audio/Video Settings Menu

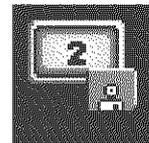
1. MAIN MENU

2. AUDIO/VIDEO SETTINGS MENU

You can individually adjust some or all of the audio and video settings. The five A/V Memory settings: Standard, Daylight, Evening, Home Theater and DVD, have been preset for the best picture and sound for specific room environments. AV Reset allows you to return the audio and video settings to the factory presets.



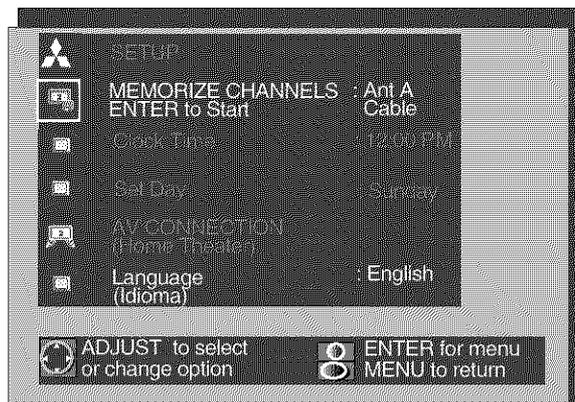
# SETUP Menu



## Memorizing Channels

1. MAIN MENU
2. SETUP MENU

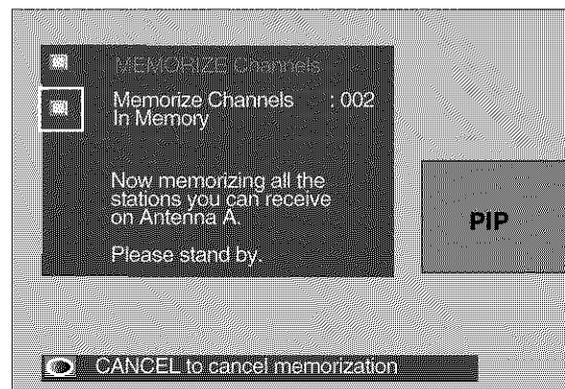
This selection memorizes the channels your TV can receive and skips the unused channels. When memorization is complete, channels can be scanned using the remote control.



1. Press **MENU** to display the Main Menu. Use **▲** or **▼** to select the **SETUP** menu. Press **ENTER**.
2. Press **▲** or **▼** to select **Memorize Channels**. Press **▶** to move to the setting field. Press **▲** or **▼** to select the input you want to memorize. The available inputs are:

INPUT	CHANNELS THAT CAN BE MEMORIZED
ANTENNA A AIR	2 through 69
ANTENNA B AIR	2 through 69
ANTENNA A CABLE	1 through 125
ANTENNA B CABLE	1 through 125

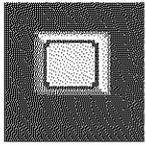
3. Press **ENTER** to start the memorization. Added channels will be labeled "In Memory". Channels with poor or no reception will be labeled "Not in memory".
4. After memorization is complete, the screen will automatically return to the Setup menu. To exit, press **MENU** to return to **Main Menu**. Or, press **HOME** to return to television viewing.



- You can stop the memorization at any time by pressing **CANCEL**. Channels memorized before stopping will stay in memory.

### After channels are memorized, your remote control will:

- Select channels in ascending or descending order using **CHANNEL**.
- Select individual channels using the number buttons.



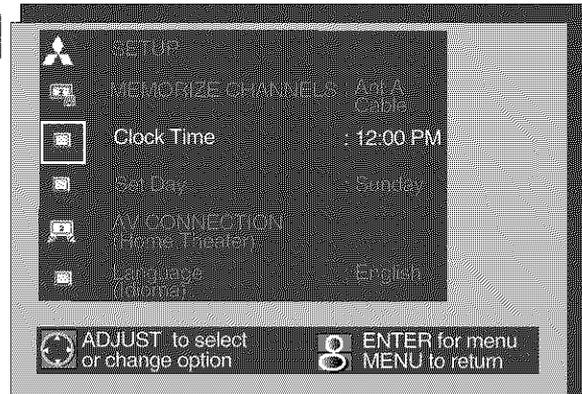
## SETUP Menu, continued



### Set Clock Time:

To set the current time.

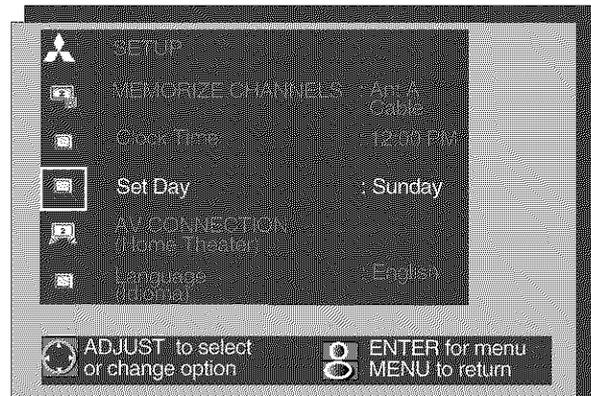
1. MAIN MENU
2. SETUP MENU



### Set Day:

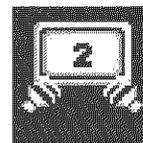
To set the current day.

1. MAIN MENU
2. SETUP MENU



1. Press to display the Main Menu. Press or to select the SETUP menu. Press .
2. Press or to select **Clock Time** or **Set Day**. Press to move to the setting field. Press or to select the correct time or day.
3. Press after making your choice.
4. To exit, press to return to the previous menu or to return to television viewing.

## SETUP Menu, continued



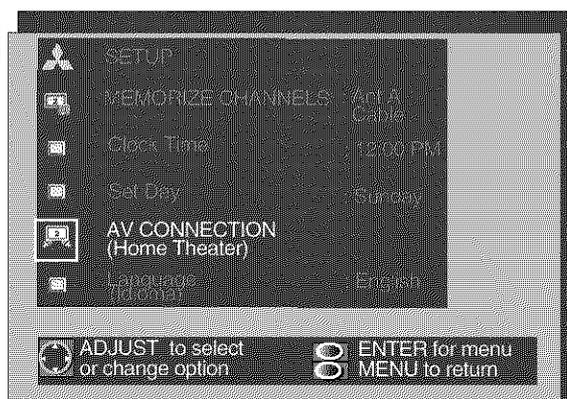
### The AV Connection Menu

The AV Connection Menu allows you to customize the way your TV works with other audio and video components, for a complete Home Theater experience.

#### Making Menu Selections for the AV Connection Menu:

1. MAIN MENU
2. SETUP MENU

1. Press  to display the **Main Menu**. Press  or  to select the **SETUP** menu. Press .
2. Press  or  to select **AV Connection Menu**. Press .
3. Press  or  to select the menu option to change. Your choices are:  
**AV Network** (Active or Off),  
**TV Speakers** (On or Off),  
**AV Receiver at Input 1** (Yes or No) and  
**Audio Output** (Variable or Fixed).  
(explanations for each of these features are found on pages 28 and 29)  
Press  to move to the setting field.
4. Press  or  to change the setting for the selected option. Press  after making your choice. To select another menu option, press  or .
5. To exit, press  to return to the previous menu or  to return to television viewing.



#### IMPORTANT

If you are not using the AV Network System, set it to Off so channel selection works correctly.

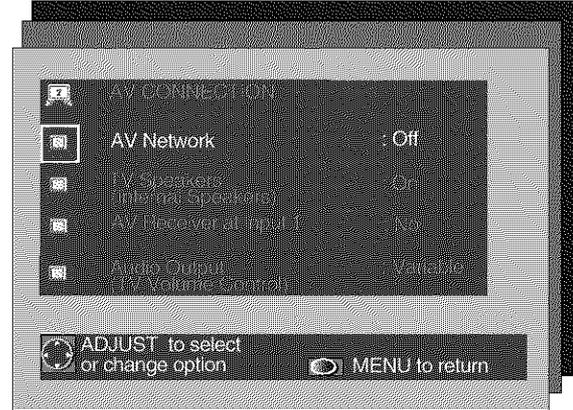


## The AV Connection Menu, continued

- 1. MAIN MENU
- 2. SETUP MENU
- 3. AV CONNECTION MENU

### The AV Network

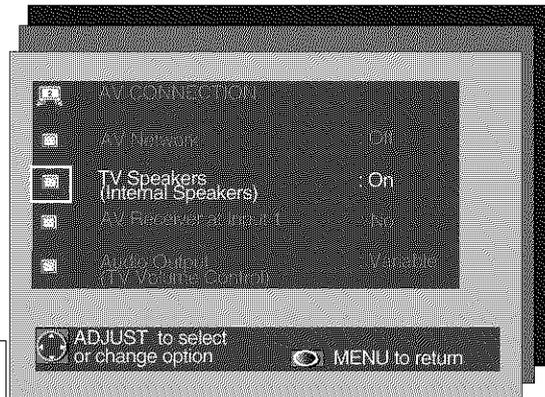
For use with compatible Mitsubishi AV Network or ACTIVE AV Network A/V products. With an Active AV Network compatible VCR, some TV and VCR functions can be simplified to just a few presses of the remote control buttons. With an AV Network compatible VCR, you can set the AV Network to Off and still pass the remote control signal from the TV to the VCR. For a detailed explanation of Active AV Network, see page 53. See the chart on page 30 to determine the correct settings.



### TV Speakers

- 1. MAIN MENU
- 2. SETUP MENU
- 3. AV CONNECTION MENU

This selection will turn on or off the TV's built-in speakers. You may select Off when sending the sound through a separate stereo system or surround sound AV receiver. See the chart on page 30 to determine the correct settings.



### IMPORTANT

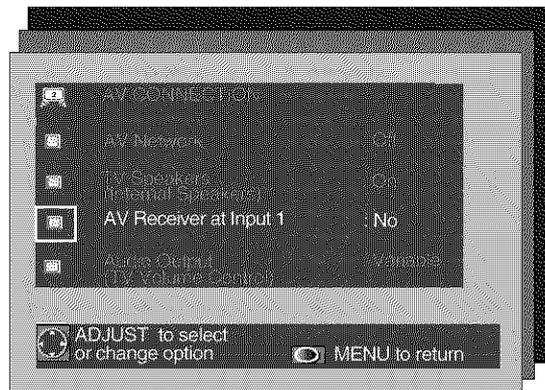
Changing the TV Speakers from OFF to ON will cause the TV speakers to turn on. To prevent damaging the TV speakers from a sudden increase in volume, make sure the TV volume is turned down before choosing ON.



### AV Receiver at Input 1

- 1. MAIN MENU
- 2. SETUP MENU
- 3. AV CONNECTION MENU

Set to Yes when you connect an AV Receiver's video output to the TV's INPUT 1 to prevent a possible "feed-back" loop when changing the input selection of the AV Receiver. See the chart on page 30 to determine the correct settings.



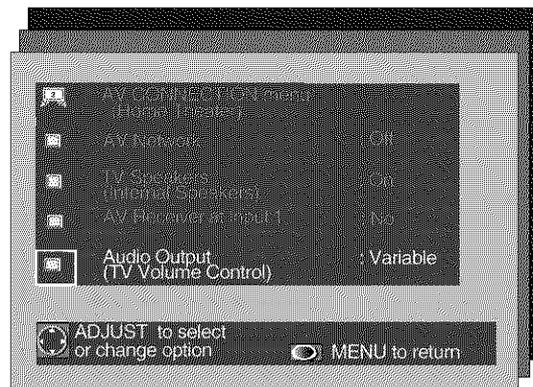
## The AV Connection Menu, continued



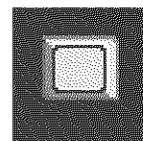
### Audio Output

1. MAIN MENU
2. SETUP MENU
3. AV CONNECTION MENU

Select **Fixed** if your Audio Receiver or Stereo System has a remote control. This allows you to adjust the volume with that remote. Select **Variable** if your Audio Receiver or Stereo System does not have a remote. This allows you to use the TV to adjust the volume. See the chart on page 30 to determine the correct settings.



## Selecting the Menu Language

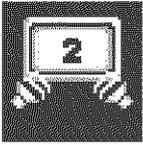


### Changing the On-Screen Language

1. MAIN MENU
2. SETUP MENU

Use to display the on-screen menus in either English or Spanish (Español). The first time your television was powered on, you were requested to select an on-screen menu language. If the current selection is correct, you do not need to change it.





## The AV Connection Chart

Setting choices vary depending on which components are connected to the TV. Below is a chart of common combinations and their recommended settings.

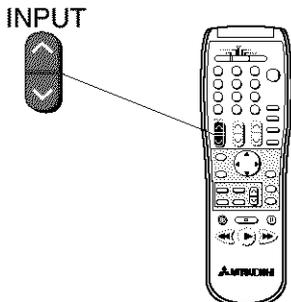
Equipment Connected	TV connection used	TV Feature Setting			
		Active AV Network	TV Speakers	AV Receiver at Input 1	Audio Output
VCR <b>without</b> • Active AV Network	VCR Output to: TV Input 1.	<b>Off</b>	<b>On</b>	<b>No</b>	<b>Fixed or Variable</b>
VCR <b>with</b> • Active AV Network, • non-remote controlled receiver or stereo system	VCR Output to: TV Input 1. TV Audio Outputs to: stereo system inputs.	<b>Active</b> <i>(also set VCR AV Network to On)</i>	<b>Off</b>	<b>No</b>	<b>Variable</b>
VCR <b>with</b> • Active AV Network, • remote controlled receiver or stereo system	VCR Output to: TV Input 1. TV Audio Outputs to: stereo system inputs.	<b>Active</b> <i>(also set VCR AV Network to On)</i>	<b>Off</b>	<b>No</b>	<b>Fixed</b> <i>(use the remote for the AV receiver or stereo to control the volume)</i>
Home Theater AV receiver <b>with</b> • remote, • any VCR • and any other AV equipment	TV Audio outputs to the AV receiver inputs. AV receiver monitor video output to TV Input 1. All other AV equipment outputs to AV receiver inputs.	<b>Off</b>	<b>Off</b>	<b>Yes</b>	<b>Fixed</b> <i>(use the remote for the AV receiver to control the volume)</i>
Home Theater AV receiver <b>with</b> • remote, • any VCR • and any other AV equipment using a combination of video and S-Video cables.	TV Audio & Video outputs to the AV receiver inputs. AV receiver monitor video and S-Video output to TV Inputs 1 and 2. All other AV equipment outputs to AV receiver inputs.	<b>Off</b>	<b>Off</b>	<b>Yes</b>	<b>Fixed</b> <i>(use the remote for the AV receiver to control the volume)</i>

### IMPORTANT

See page 53 for more detailed information regarding the AV Network

# Remote Control Input and Channel Selection

## Input Source Selection



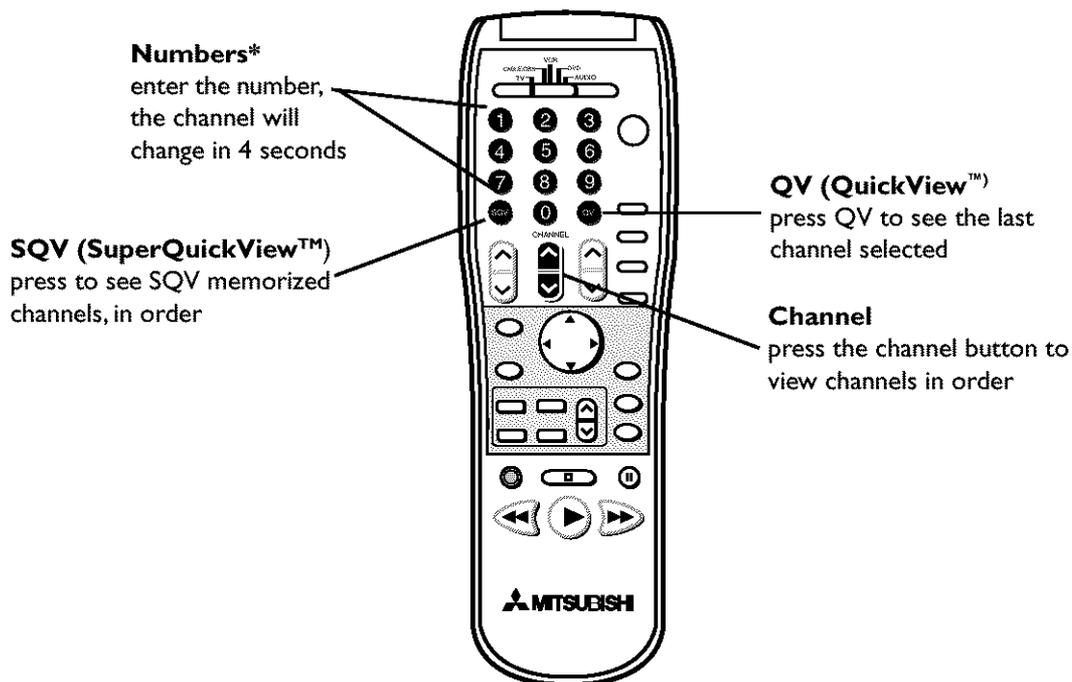
If you want to view a picture from your DVD, VCR, camcorder or laser disc player, you need to select the input the product is connected to. Use the input button on the front panel or the remote control INPUT button.

After selection, the input name will display briefly in the upper left corner of the screen.

Your input source can be:

- ANT A or ANT B - for antenna or cable systems signals.
- INPUT 1 or INPUT 2 - for audio video product connected to the TV back panel terminals.
- INPUT 3 - for audio video product connected to the TV front panel terminals.
- DVD - for component (Y, Cr, Cb) DVD players.

## Changing Channels



- \*When changing channels directly, you can change them faster by:
1. entering three numbers; for channel 2, press **002**
- OR**
2. press number and ENTER; for channel 2, press 2 then 

# Remote Control for the Sleep Timer

## Setting the Sleep Timer

Press  on the remote control. The TV will display the message:

Sleep: 030 Min.

With each press of  the time increases in 30 minute intervals until the maximum of 120 minutes is displayed.

Release  when the desired time is set.

To see how much time is left until the timer goes off, press  once. The remaining time will display on-screen.

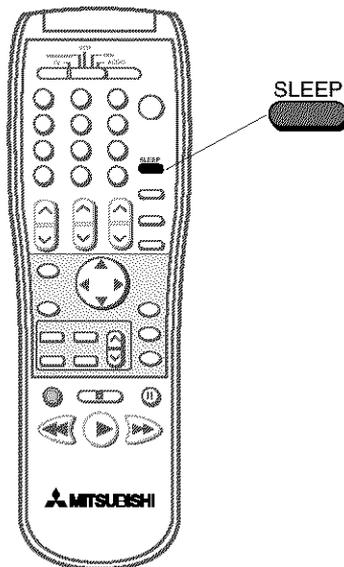
## Canceling the Sleep Timer

Press  to see the on-screen display.

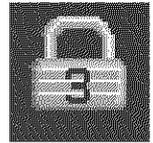
Press  until you see the message:

Sleep: OFF

The timer will be canceled.



# The Main Menu Screens



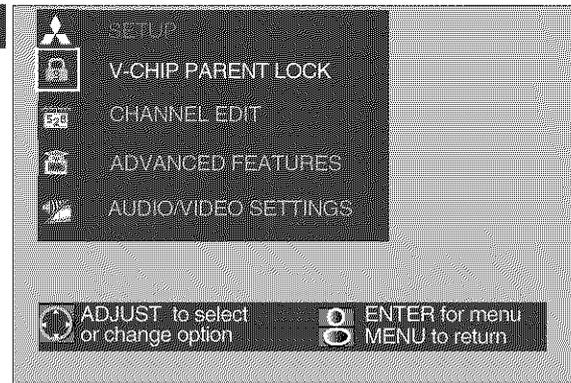
## The V-Chip Parent Lock



### Setting the V-Chip Parent Lock

#### 1. MAIN MENU

You can use the V-Chip Parent Lock to Block or Allow programs based on the ratings sent by the broadcast stations. The default setting is to allow all programs. You can block programs by the type of program and by the categories you want blocked. Or you can block all programs during a specific time period. To use the V-Chip Parent lock, you will:



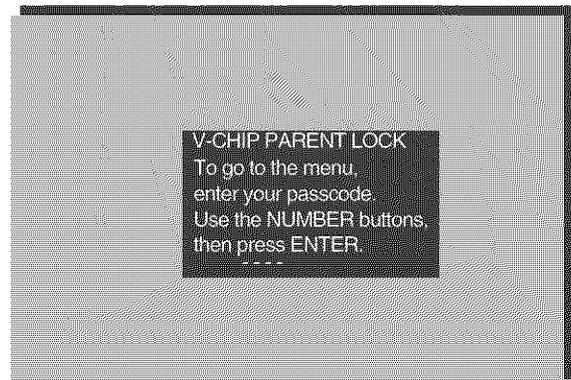
- Enter a passcode
- Select the V-chip ratings and categories to block
- Select the V-chip hours to lock and unlock for television programs
- Select lock by time

#### Enter a Passcode

#### 1. MAIN MENU

#### 2. V-CHIP PASSCODE

1. Press to display the Main Menu.
2. Press or to select **V-Chip Parent Lock**. Press .
3. Using the number keys, enter four numbers. To delete a character and move back one space, press . Press to set the passcode and go to the V-chip ratings menu.
4. To exit **without** entering a passcode, press to go to the previous menu or to return to television viewing.



## IMPORTANT

If you forget your four-digit passcode, please see Appendix 3 : Procedure for Bypassing the Parent Lock.



# The V-Chip Parent Lock, continued



## V-Chip ratings and categories

Rating guidelines are provided by broadcast stations. Most television programs and television movies can be blocked by TV Rating and Individual Categories. Movies that have been shown at theaters or direct-to-video movies use the Movie Rating system only. TV ratings can be viewed by pressing the info button on your remote control.

Ant-A 011 KTTV  
Stereo SAP  
TV-PG DLSV

**IMPORTANT**

If no V-Chip rating and/or category signal is sent from the broadcaster, no rating information will be displayed.

### For Television Programs including made-for-television movies:

TV Ratings Categories	OFF V-Chip is off	TV-Y Youth	TV-Y7 Youth 7+ years	TV-G General Audience	TV-PG Parental Guidance	TV-14 14+ Years	TV-MA Mature Audience
<b>FV - Fantasy Violence</b>	OFF	N/A	Allow/Block**	N/A	N/A	N/A	N/A
<b>D - Sexual Dialog</b>	OFF	N/A (Auto Block)	N/A (Auto Block)	N/A (Auto Block)	Allow/Block*	Allow/Block*	N/A (Auto Allow)
<b>L - Adult Language</b>	OFF	N/A (Auto Block)	N/A (Auto Block)	N/A (Auto Block)	Allow/Block*	Allow/Block*	Allow/Block*
<b>S - Sexual Situations</b>	OFF	N/A (Auto Block)	N/A (Auto Block)	N/A (Auto Block)	Allow/Block*	Allow/Block*	Allow/Block*
<b>V - Violence</b>	OFF	N/A (Auto Block)	N/A (Auto Block)	N/A (Auto Block)	Allow/Block*	Allow/Block*	Allow/Block*
<b>Program not rated</b>	Allow/Block	Allow/Block	Allow/Block	Allow/Block	Allow/Block	Allow/Block	Allow/Block

\* Allowing or Blocking specific categories within a particular V-Chip rating will allow or block ALL program content carrying that signal. Example: By choosing TV-MA and blocking V - Violence, ALL programming carrying the V - Violence signal, whether rated TV-PG, TV-14, or TV-MA, will be blocked.

\*\* The Fantasy Violence category pertains to the TV-Y7 rating ONLY.

**IMPORTANT**

Blocking "Programs not rated" may block emergency programming. Please use care when selecting this setting.

### For Movies previously shown in theaters or Direct-to-Video†:

Movie Ratings and Descriptions	OFF V-Chip is off	G General Audience	PG Parental Guidance	PG-13 13+ Years	R Restricted	NC-17 18+ Years	X Adult
-----------------------------------	----------------------	--------------------------	----------------------------	--------------------	-----------------	--------------------	------------

If you set the lock for **PG-13**; G, PG and PG-13 will be available. R, N-17 and X will be blocked.

† Video tapes, laser discs or DVD's may not contain the special V-Chip rating signals. If this occurs, the V-Chip lock cannot be used to block these movies.





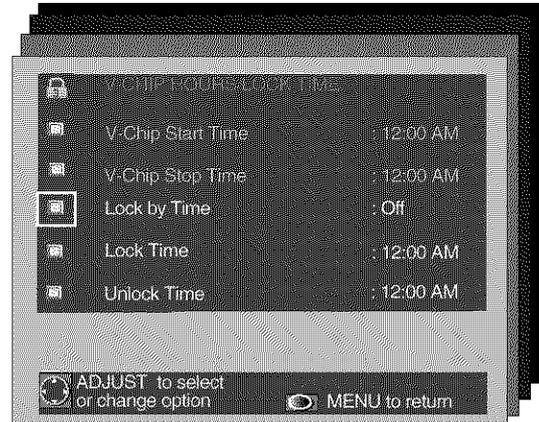
## The V-Chip Parent Lock, continued



### Select Lock by Time

1. MAIN MENU
2. V-CHIP PASSCODE
3. V-CHIP PARENT LOCK
4. V-CHIP HOURS/LOCK TIME

You may lock **all** TV viewing for a set time period. To view programs during the locked time, enter your four-digit passcode.



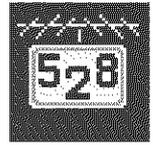
### To lock the TV:

1. After entering your passcode, press ▲ or ▼ to select V-Chip Hours/Lock Time and press .
2. Press ▲ or ▼ to select Lock by Time. Press ▶ to move to the setting field and use ▲ or ▼ to choose On. Press ◀ after making your choice.
3. Press ▲ or ▼ to select Lock Time. Press ◀ after making your choice. Select Unlock Time the same way.
4. To exit, press to go to the previous menu or to return to television viewing.
5. To view the TV during the locked time, enter your passcode, when it is requested.
6. To reset the TV lock, turn off the TV.

### IMPORTANT

1. **When Lock by Time is off:** If Lock Time and Unlock Time are set to the same time, the Parent Lock will be inactive.
2. **When Lock by Time is On:** If Lock Time and Unlock Time are not set, the Parent Lock will be active 24 hours a day.

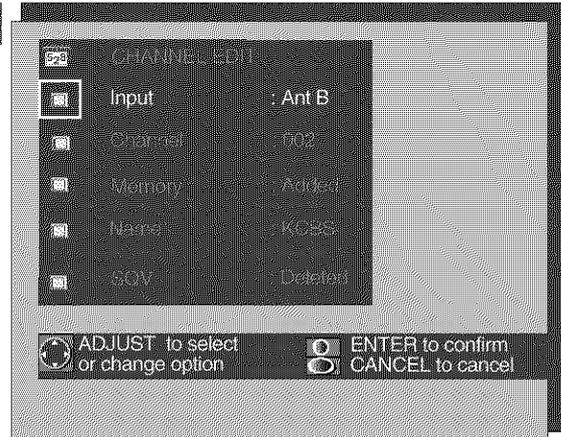
# The Channel Edit Menu



## Using the Channel Edit Menu

1. MAIN MENU
2. CHANNEL EDIT MENU

- Add or Delete Channels
- Select Names for Channels
- Select Preset Names for Inputs
- Select SuperQuickView™ Channels



### To use edit channel features:

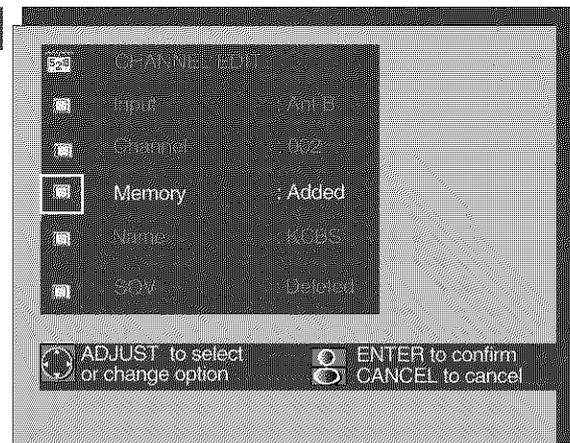
1. Press to display the Main Menu. Press or to select the CHANNEL EDIT menu. Press .
2. Press or to select the menu option you want to change. Press to move to the setting field. Press or to change the selection.
3. Press after making your choice.
4. To exit, press to return to the previous menu or to return to television viewing.



## Adding and Deleting Channels

1. MAIN MENU
2. CHANNEL EDIT MENU

After all available channels have been memorized with the “Memorize Channels” feature, weaker channels viewed with Ant A or Ant B can be added back in or unwanted channels can be deleted, on an individual basis.





## The Channel Edit Menu, continued

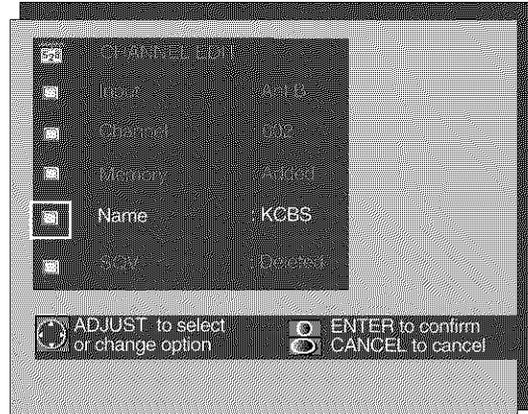


### Selecting Names for Channels

1. MAIN MENU
2. CHANNEL EDIT MENU

You can personally name the channels your TV receives, up to a maximum of four characters. After you enter a name, it will appear on screen, next to the channel number. Select Ant A or B for INPUT. Select the memorized CHANNEL you want to name.

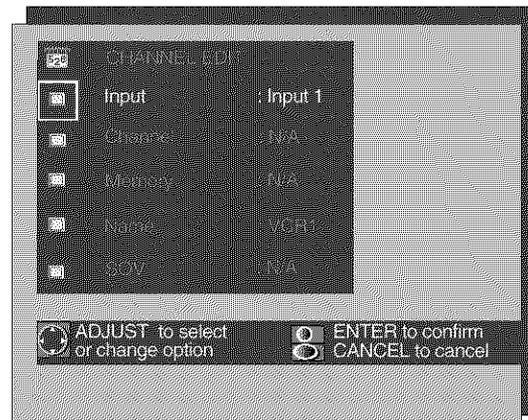
At the NAME field, you can use letters (A-Z), numbers (0-9) and/or symbols (! . & ' / : \* - , and blank). Press enter to select a character and go to next position. If you want to change your selection while in the option field, use CANCEL to delete the current character. This will move the cursor one position back. If you press CANCEL while at the first character, the entire name will be deleted.



### Selecting Preset Names for the Inputs

1. MAIN MENU
2. CHANNEL EDIT MENU

This feature allows you to keep track of components that are connected to your TV by selecting preset names for Inputs 1, 2, or 3. The new name will appear on the screen display when the inputs are selected. There are 15 names that you can choose from, they are: **VCR1**; **VCR2**; **DVD**; **LASER**; **SAT** (satellite); **CABLE**; **CAM** (camcorder); **GAME**; **VHS**; **S-VHS**; **DTV**; **WEB** (Internet set-top-box); **MAIN**; **AUX**; and **SURV** (surveillance or security).



# The Channel Edit Menu, continued

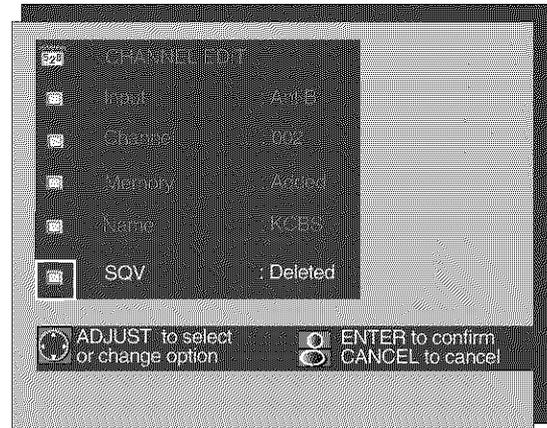


## Selecting SuperQuickView™ Channels

- 1. MAIN MENU
- 2. CHANNEL EDIT MENU

SuperQuickView™ allows you to put together a list of your favorite channels. You can quickly look through the list using the SQV button.

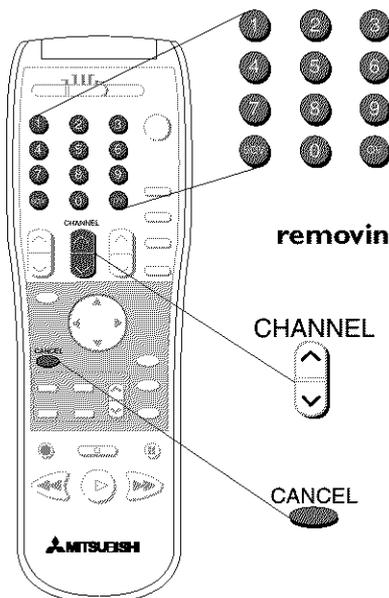
Once you've added a channel to the SQV memory, the letters "SQV" appear under the channel number any time the channel number is displayed, even if you tune to the channel using another method.



### IMPORTANT

**SQV memorizes channels from ANT A or ANT B only.**

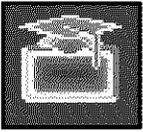
### adding the SQV channels directly with the remote control



1. Use the CHANNEL button or number buttons to select the channel you want to add to the list.
2. Press and hold the SQV button for about 3 seconds. The letters "SQV" will appear under the channel number, indicating that the channel has been added to SuperQuickView™ memory.

### removing SQV channels with the remote control

1. Press the SQV button repeatedly to select the channel to be removed from the list.
2. While the channel number and SQV indicators are still displayed on the screen, press the CANCEL button.
3. When the SQV indicator disappears, the channel has been canceled from the SuperQuickView™ list. If you wait until the channel and SQV indicators disappear automatically, then the CANCEL button will not remove the channel from the list.



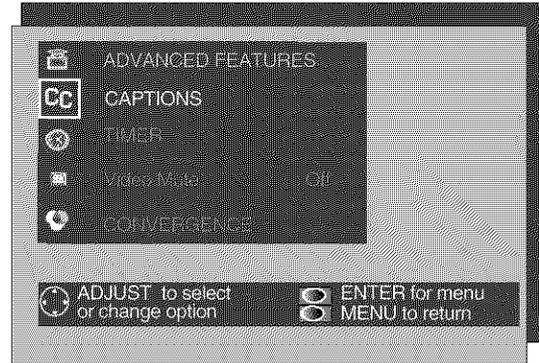
## The Advanced Features Menu



### The Advanced Features Menu

1. MAIN MENU
2. ADVANCED FEATURES MENU

- Select Closed Captioning, page 41
- Select the Timer Option, page 42
- Select Video Mute, page 42
- Adjust the Convergence, pages 43-44



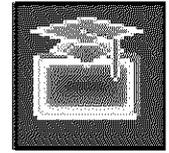
#### Using the Advanced Features Menu:

1. Press **MENU** to display the Main Menu. Press **▲** or **▼** to select the **ADVANCED FEATURES** menu. Press **ENTER**.
2. Press **▲** or **▼** to select the **ADVANCED FEATURES** menu options you want to change.
3. For **CAPTIONS**, **TIMER** or **CONVERGENCE**, press **ENTER** to go to the selected menu. Then press **▲** or **▼** to select the option you want to set or change. Press **▶** to move to the setting field and press **▲** or **▼** to change the setting. Press **◀** after making your choice.

For Video Mute, press **▶** to move to the setting field and press **▲** or **▼** to change the setting. Press **◀** after making your choice.

4. To exit, press **MENU** to return to the previous menu or **HOME** to return to television viewing.

## The Advanced Features Menu, continued



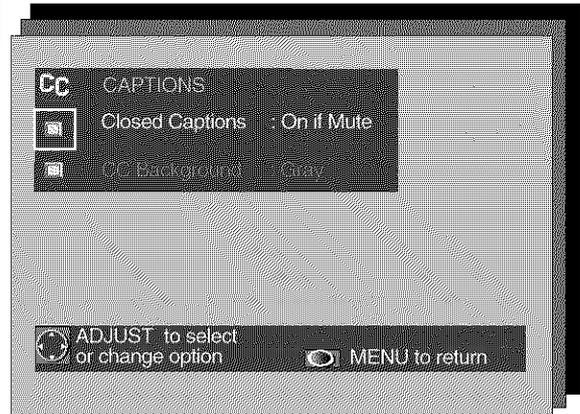
### Select Closed Captioning

1. MAIN MENU

2. ADVANCED FEATURES MENU

3. CAPTIONS MENU

You can turn on or off the closed caption decoder screen. You can also choose black or gray as the background color for the closed caption area.



### IMPORTANT

**The content of captions are determined by the broadcaster. If your captions show strange characters, misspellings, or odd grammar, it is not a malfunction of the TV.**

There are two types of captioning that broadcasters can send: standard and text.

Standard captioning follows the dialogue of the characters on-screen and displays in a small section of the screen when the broadcaster is sending the closed captioning.

Text captioning often contains information such as weather or news. Text captioning blocks a portion of the program that is on-screen.

Your TV can decode four different standard captioning signals and four different text captioning signals from each TV station. However, each station may broadcast only one or two captioning signals, or none at all.

When setting the decoder, you can choose to display:

- one of four standard captioning signals ( CC1, CC2, CC3, CC4)
- one of four text captioning signals (Text 1, Text 2, Text 3, Text 4)
- captions when mute (On if mute)
- no captions when mute (Off)

If you select "On if mute," the standard captioning signal (CC1) will appear whenever you use the MUTE button. If you set the decoder to a "standard" caption setting or "On if mute" and tune to a broadcaster that is not sending a caption signal, no captions will appear.

### IMPORTANT

**A large black or gray box will appear on your TV screen, if you have selected text captioning, and no text signal is being broadcast.**



## The Advanced Features Menu, continued



### Select the Timer Option

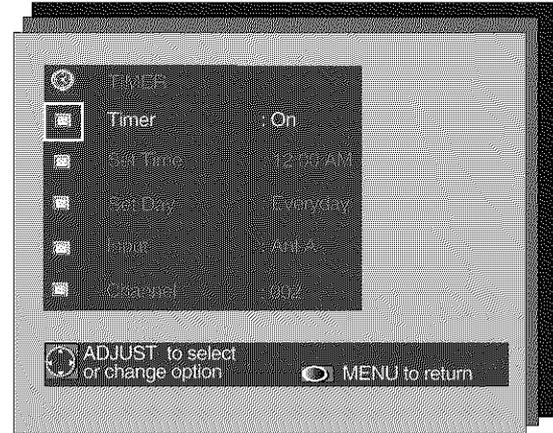
1. MAIN MENU
2. ADVANCED FEATURES MENU
3. TIMER MENU

This special feature will automatically:

1. Turn the TV on, if it is off.

**OR**

2. Tune to a memorized channel on ANT A or ANT B, or select INPUT 1, INPUT 2, INPUT 3, or the DVD INPUT at a specific time and day.



### IMPORTANT

The TV's clock must be set before you can set the timer. If you haven't set the clock and/or day, you will see the **SETUP** Menu with **Clock Time** selected instead of the **Timer** menu.

### IMPORTANT

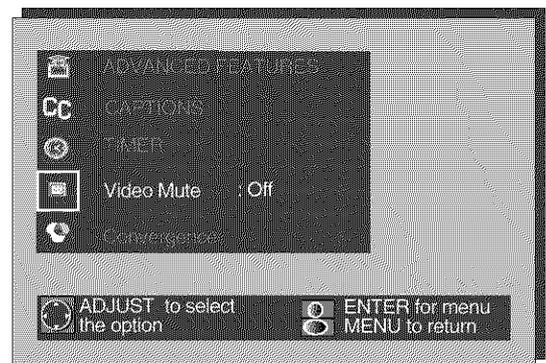
When the timer turns the TV on, the message "Press a key for TV to stay on" is shown. If you don't press a button on the remote control or front panel within 5 minutes, the TV will automatically turn off.



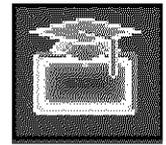
### Select Video Mute

1. MAIN MENU
2. ADVANCED FEATURES MENU

Video Mute lets you display a blue screen when no signal is being received from Input 1, Input 2, Input 3 or DVD.



# The Advanced Features Menu, continued



## Convergence

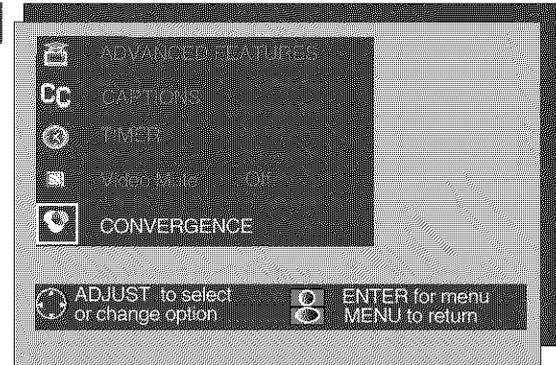
1. MAIN MENU

2. ADVANCED FEATURES MENU

Your Mitsubishi Projection TV has three picture tubes with large diameter lenses which are aligned to project light beams on the screen. Each picture tube projects only one color: red, green or blue. During production, your television was carefully adjusted to properly align these colors.

As a special feature, you have the ability to adjust the color convergence, should you think that the red and/or blue light beams are out of alignment. The green beam acts as a fixed reference for aligning the red and blue beams.

Static Convergence aligns the whole screen at one time. Advanced convergence aligns 64 individual adjustment positions



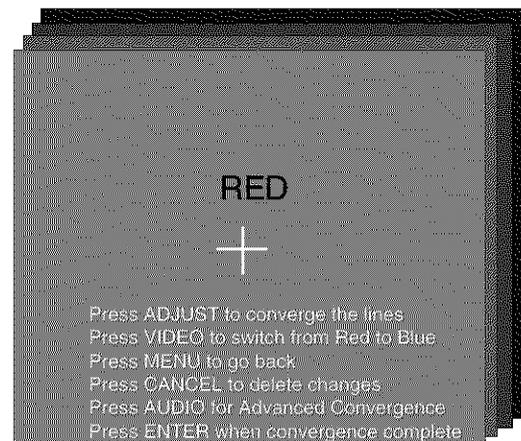
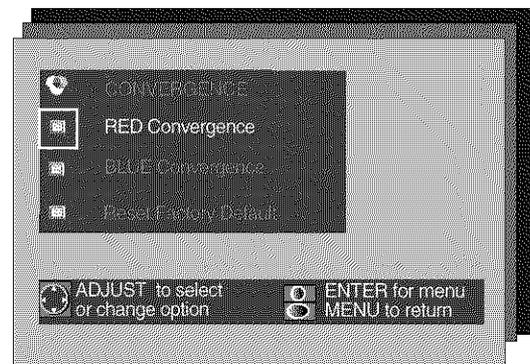
## Adjusting the Static Convergence:

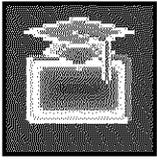
1. MAIN MENU

2. ADVANCED FEATURES MENU

3. CONVERGENCE MENU

1. Press **MENU** to display the Main Menu.
2. Press **▲** or **▼** to select **Advanced Features**. Press **ENTER**.
3. Press **▲** or **▼** to select **Convergence**. Press **ENTER**.
4. Press **▲** or **▼** to select either Red or Blue Convergence. Press **ENTER**.
5. Press **▲▶▶** or **◀** to align the color you selected with the fixed green lines. The vertical and horizontal lines will merge into a single white cross when aligned correctly.
6. Press **VIDEO** to switch between red and blue.
7. Press **MENU** to exit, or **AUDIO** to proceed to Advanced Convergence.





## The Advanced Features Menu, continued

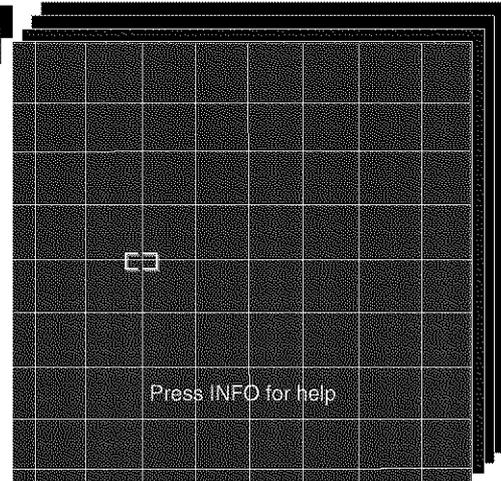


### Advanced Convergence

1. MAIN MENU
2. ADVANCED FEATURES MENU
3. CONVERGENCE MENU
4. STATIC CONVERGENCE
5. ADVANCED CONVERGENCE

**Before you can adjust the Advanced Convergence, you must adjust the Static Convergence for both Red and Blue.**

1. Press **▲▶▼** or **◀** to move the flashing bracket to a position that needs adjustment. Press **ENTER** to stop the flashing and begin the adjustment.
2. Press **▲▶▼** or **◀** to move the red or blue line. A position is converged when all three lines combine to make a white line.
3. Press **ENTER** when aligned and the bracket will flash again. You may now repeat steps 1-3 until you are satisfied with the grid alignment.
4. Press **VIDEO** to alternate between red and blue.
5. To exit, press **MENU** to return to the previous menu or **HOME** to return to television viewing.



### IMPORTANT

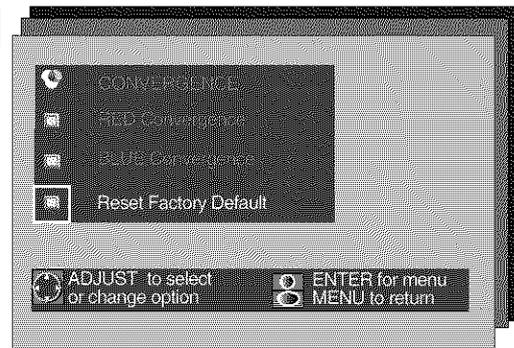
**There are more than 64 line intersections. However, the bracket will only stop on the 64 adjustment positions.**



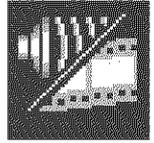
### Resetting the Factory Defaults

1. MAIN MENU
2. ADVANCED FEATURES MENU
3. CONVERGENCE MENU

1. Press **MENU** to display the Main Menu.
2. Press **▲** or **▼** to select **Advanced Features**. Press **ENTER**.
3. Press **▲** or **▼** to select **Convergence**. Press **ENTER**.
4. Press **▲** or **▼** to select **Reset Factory Default**. Press **ENTER**. The message "Convergence reset completed" will display when the defaults are reset.
5. To exit, press **MENU** to return to the previous menu or **HOME** to return to television viewing.



# Audio/Video Settings Menu



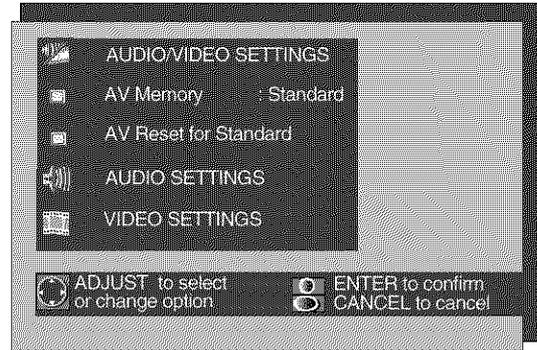
## Adjusting the Audio and Video Settings

1. MAIN MENU
2. AUDIO/VIDEO SETTINGS MENU

The TV has five AV audio video memories. The memories are: **Standard, Daylight, Evening, Home Theater and DVD.** You can adjust the settings of each memory using the menus or you may adjust the settings of the currently used memory using the remote control.

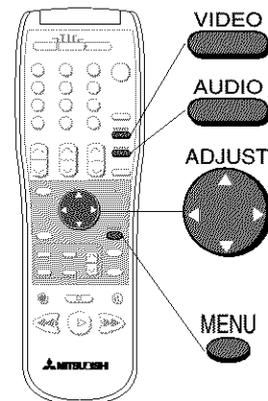
AV Reset will return the setting of the currently selected memory to the original factory presets.

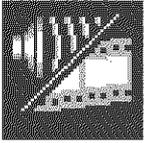
The memory for each input (Antenna A or B, Input 1, 2, 3 or DVD) is preset to Standard. You can select and adjust a different memory for each of the TV inputs, which will be recalled each time that input is selected.



### Using the AUDIO or VIDEO button on the remote control

1. Press **AUDIO** or **VIDEO** repeatedly until the desired setting displays at the bottom of the screen.
2. Press **◀** or **▶** to change the setting. In 5 seconds the display will disappear.





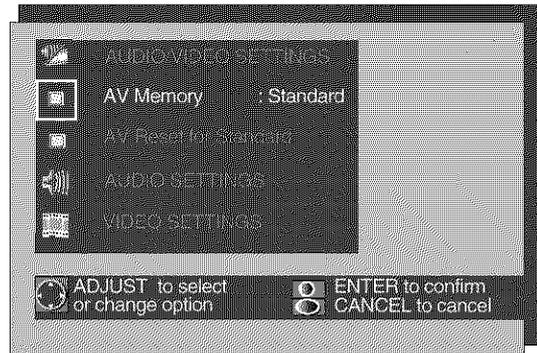
## Audio/Video Settings Menu, continued



### AV Memory Menu Settings

1. MAIN MENU
2. AUDIO/VIDEO SETTINGS MENU

1. Press **INPUT** on the remote to select the desired input to change.
2. Press **MENU** to display the Main Menu.
3. Press **▲** or **▼** to select **AUDIO/VIDEO SETTINGS**. Press **ENTER**.
4. Press **▲** or **▼** to select **AV Memory**.
5. Press **▶** to move to the setting field. Press **▲** or **▼** to select the AV Memory to change. Press **◀** after making your choice.
6. Press **▲** or **▼** to select **AUDIO SETTINGS** or **VIDEO SETTINGS**. Press **ENTER** to display the individual settings. Press **◀** or **▶** to change the setting.



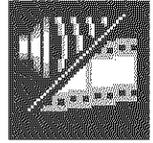
### AV Reset

1. MAIN MENU
2. AUDIO/VIDEO SETTINGS MENU

1. Select the **AV Memory** to reset.
2. Press **▲** or **▼** to select **AV Reset**.
3. Press **ENTER** to return to the currently selected memory's factory default settings.
4. Press **MENU** to return to the previous menu or **HOME** to return to television viewing.



## Audio/Video Settings Menu, continued



### Adjusting the picture

#### Descriptions of video settings

**IRIS™** is the Intelligent Room Illumination (light) Sensor. When IRIS is on, your TV will automatically adjust the picture contrast and brightness for the best picture based on your room lighting.

**Contrast** provides a scale that controls the level of white-to-black in the picture. Low contrast will show a variety of shades in the darker images on the screen. High contrast will show the screen's dark images more uniformly black and make the colors on the screen seem more vibrant.

**Brightness** provides a scale that controls the overall brightness of the picture.

**Sharpness** provides a scale that adjusts the detail and clarity of the picture.

**Tint** provides a scale that adjusts the proportion of red to green in the picture.

**Color** provides a scale that determines the intensity of the color.

**Color Temp** (Color temperature) allows you to set how the TV will display white images. Your choices are "**Low 6500K**," "**High**," or "**Medium**."

- With the **Low 6500K** setting, white images on-screen will have a warm cast to them. This setting represents the 6500°K industry standard. This adjustment is an average and can vary due to ambient room lighting, video scene brightness and the TV's age.
- With the **High** setting, white images on-screen will have a cool cast to them. This setting may provide the most realistic picture under bright lighting.
- With the **Medium** setting, white images on-screen will be balanced between the Low (warm) and High (cool) settings.

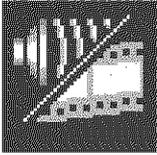
### Adjusting the sound

#### Descriptions of audio settings

**Bass** enhances or reduces low frequency sound.

**Treble** enhances or reduces high frequency sound.

**Balance** adjusts the level of sound between the left and right speakers.



## Audio/Video Settings Menu, continued

### Adjusting the sound, continued

**Surround** creates simulated stereo and surround effects when using the TV speakers. You can set this setting to “**Off**,” “**Simulate**” or “**Surround**.” Select:

- **Off** when you do not want to use any surround effects. Set the surround setting to “OFF” when using an A/V receiver with Dolby® Pro Logic Surround, or Dolby Digital Surround.
- **Simulate** when you are watching a non-stereo program. Your TV will create a simulated stereo effect by using the TV’s speakers.
- **Surround** when you are watching a stereo program. Your TV’s internal speakers will create a simulated surround effect, making the sound seem to extend around and behind you.

**Listen to** determines how your TV will receive a broadcast audio signal and play back the sound that you hear. You can set this function to “**Stereo**,” “**SAP**” or “**Mono**.”

- **Stereo** is the default setting. With this setting, the TV will play stereo broadcasts in stereo and mono broadcasts in mono. Stereo broadcasts will display the word “Stereo” when you tune to that channel.
- **SAP** is an additional monaural soundtrack that you can’t hear during normal TV viewing. The SAP signal might be related to the program you are watching, such as a soundtrack in a foreign language, or it might be unrelated such as a weather report. If the SAP signal is broadcast, the letters “SAP” will appear on-screen when you tune to that channel. Choose “Listen to: SAP” to hear the SAP signal.
- **Mono** will reduce background noise and should be used if you are receiving a weak stereo audio signal. The sound will be only in mono even if the program you are watching is in stereo.

**Level Sound** automatically equalizes the volume level of programs that contain significant sound level differences from one segment to another, for example; regular programming to commercials. To receive the best audio fidelity for music programs, you may want to turn this setting to Off.

“Dolby,” “AC-3,” “Pro Logic” and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Copyright 1992 Dolby Laboratories, Inc. All rights reserved.

# Special Remote Control Functions

When your remote control has been programmed to operate other manufacturer's products the functions it performs on each layer will vary by manufacturer and model. The most common functions are:

## **VCR:**

- POWER
- CHANNEL up/down
- REC
- STOP
- PAUSE
- REW/REV
- PLAY
- FF/FWD

Mitsubishi VCRs will be compatible with additional keys

## **Cable Boxes and Satellite Receivers:**

- POWER
- CHANNEL up/down
- ENTER (on some models)
- ARROW up/down/left/right (on some models)
- 0-9 number keys (on some models)
- CANCEL (on some models)
- GUIDE (on some models)

## **AV Receivers:**

- POWER
- VOLUME
- MUTE
- DIRECT INPUT SELECTION (on some Mitsubishi models)

## **MITSUBISHI CD Players**

(when using audio code 010 or 011):

- PLAY
- FF
- REW
- PAUSE
- STOP

## **DVD and Laser Disc players**

(not all functions for all models):

- POWER
- 0-9 numbers
- MENU
- CANCEL
- STOP
- PAUSE
- REW
- PLAY
- ARROW up/down/left/right
- CHANNEL up/down (for skip)

## Special Remote Control Functions, continued

### Picture in Picture Mode

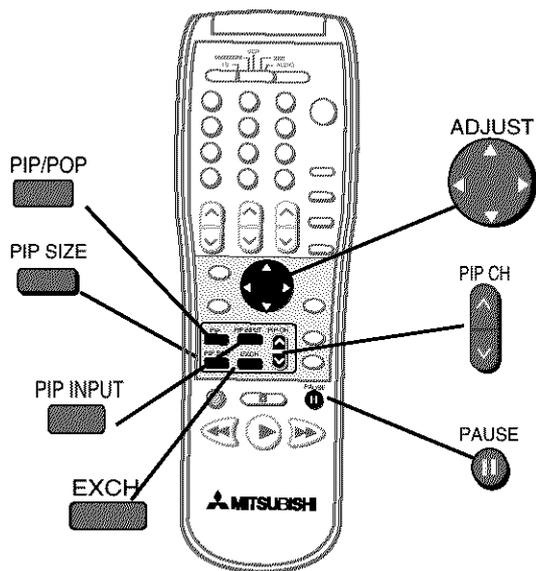
You can display a PIP in one of five sizes or you can display up to three POP's (Picture-outside-Picture). The PIP or POP can be shown in all inputs, except DVD.

### The INPUT source

To see the PIP you need to select an input source. If the only input you have connected is ANT A, then both the main picture and PIP will both be from ANT A.

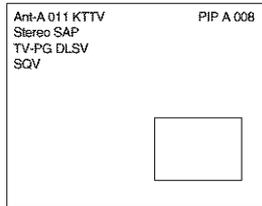
If you have connected other video products, you may be able to view the main picture and PIP images from different input sources. Please review the chart to see the possible combinations:

Main Picture:	PIP:					
	ANT A	ANT B	INPUT 1	INPUT 2	INPUT 3	DVD
ANT A	X		X	X	X	n/a
ANT B	X		X	X	X	n/a
INPUT 1	X	X		X	X	n/a
INPUT 2	X	X	X		X	n/a
INPUT 3	X	X	X	X		n/a



# Special Remote Control Functions, continued

## Selecting the INPUT source



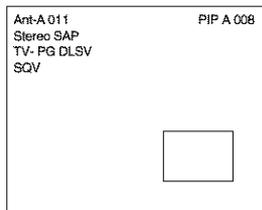
1. To view a PIP image, press  .
2. To see the available PIP inputs, press  repeatedly. The input name will be displayed on screen for about five seconds. Turn on the equipment connected to INPUT 1, 2 or 3 if you select one of these inputs as the PIP input source.

## Changing the PIP channel when PIP input source is ANT A

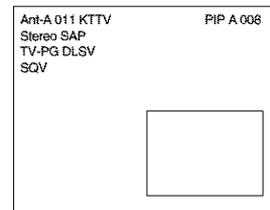
1. Press  .
2. Press  to show a different channel on the PIP.
3. Cancel the PIP by pressing  again.

## Changing the PIP size

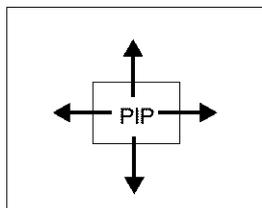
You have a choice of five PIP sizes.



To change the PIP size, press  .  
Each press will change the size.



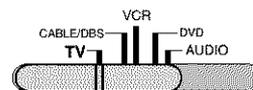
## Moving the PIP image



Press  to move the PIP image anywhere on the screen.

## Freezing the PIP image

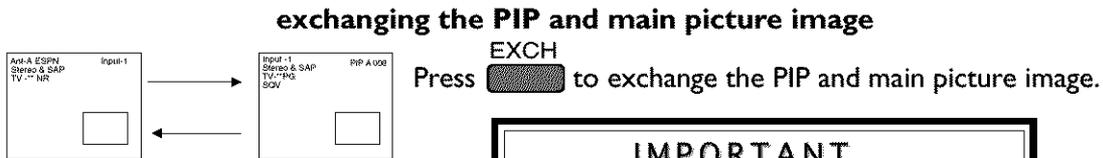
Verify that select switch is in the TV position.



While viewing a PIP channel, press  to freeze the image.

Press  again to return to a live picture.

# Remote Control of the PIP (Picture-in-Picture), continued



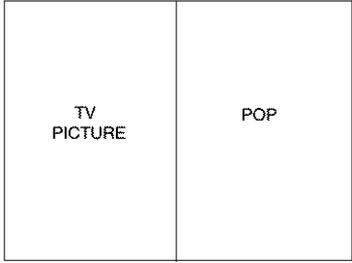
**IMPORTANT**

**If the main picture is from ANT B and the PIP is from ANT A, a blank PIP will display when exchanged.**

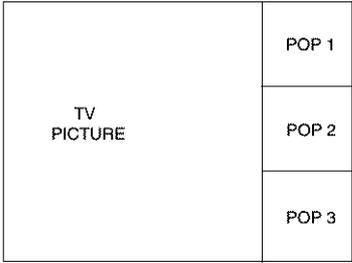
## Displaying one or three POP (Picture-Outside-Picture) images.

1. Press **PIP/POP** [button] to see one POP image. The POP channel will be different than the main TV picture channel.

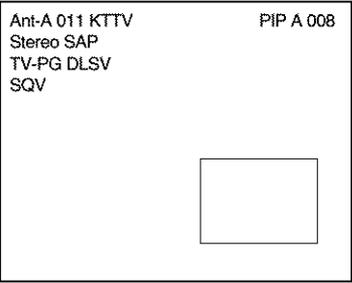
If the POP image is from ANT-A, you can use PIP CH to change the POP image.



2. Press **PIP/POP** [button] again to display three POP's. When the POP image is from ANT A, each image will be a different channel. Only one POP image will be live action. The others will be frozen.



4. To return to a PIP image, press **PIP/POP** [button] again.



## Remote Control of the Active AV Network

The AV Network is a special feature that makes it easier to use your television and other Mitsubishi A/V components together. When you connect the AV Network, you can point the remote control at the television, and it will pass the remote control command to other components. You will gain even more benefits if you have a Mitsubishi VCR equipped for the Active AV Network and a Mitsubishi DVD player.

### Before you begin, be sure you have:

- Made the correct AV Network connections. Refer to “*Connection of TV to the Active AV Network*” in the Connections section.
- Connected your VCR to INPUT-1 of your TV and/or connected your DVD to DVD INPUT.
- Set your VCR’s remote control settings to VCR.
- Turned your VCR video mute setting on.
- Turned the Active AV Network feature in the VCR and the TV’s menu to ACTIVE.

### Using the **PLAY** key on the remote, after selecting **VCR** with the slide switch:

- Active AV Network will turn your VCR on and begin playing a tape (if tape is inside).
- Active AV Network will turn your TV on and switch it to INPUT-1.
- When you turn your TV off, your VCR will turn off, **unless** it is playing or recording.

### Displaying the VCR menu

When you set the remote to VCR and then press MENU:

- Active AV Network will turn on your VCR if it is off and display the VCR’s menu (this function may not work with some older Mitsubishi VCR’s).
- Active AV Network will turn on your TV if it is off and switch it to INPUT-1.

### Using the **PLAY** key on the remote, after selecting **DVD** with the slide switch:

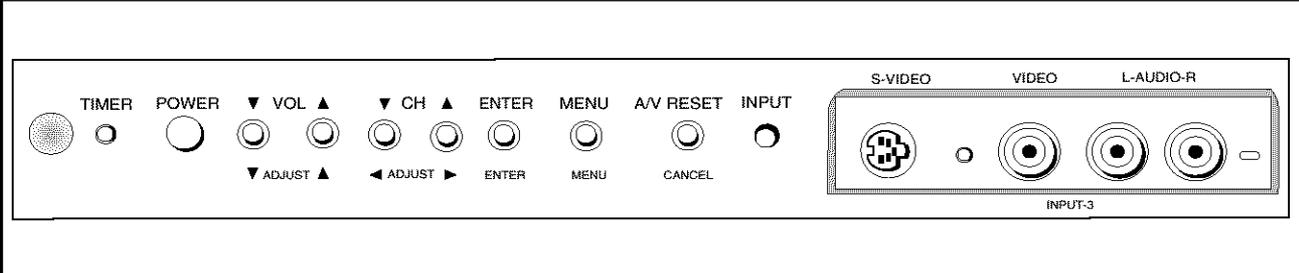
- Your remote must be programmed to operate Mitsubishi DVD players.
- Active AV Network will turn on your TV and switch it to DVD INPUT.
- If your DVD player is in range of the remote and has a disc inside, the DVD will turn on and the disc will begin playing.

### IMPORTANT

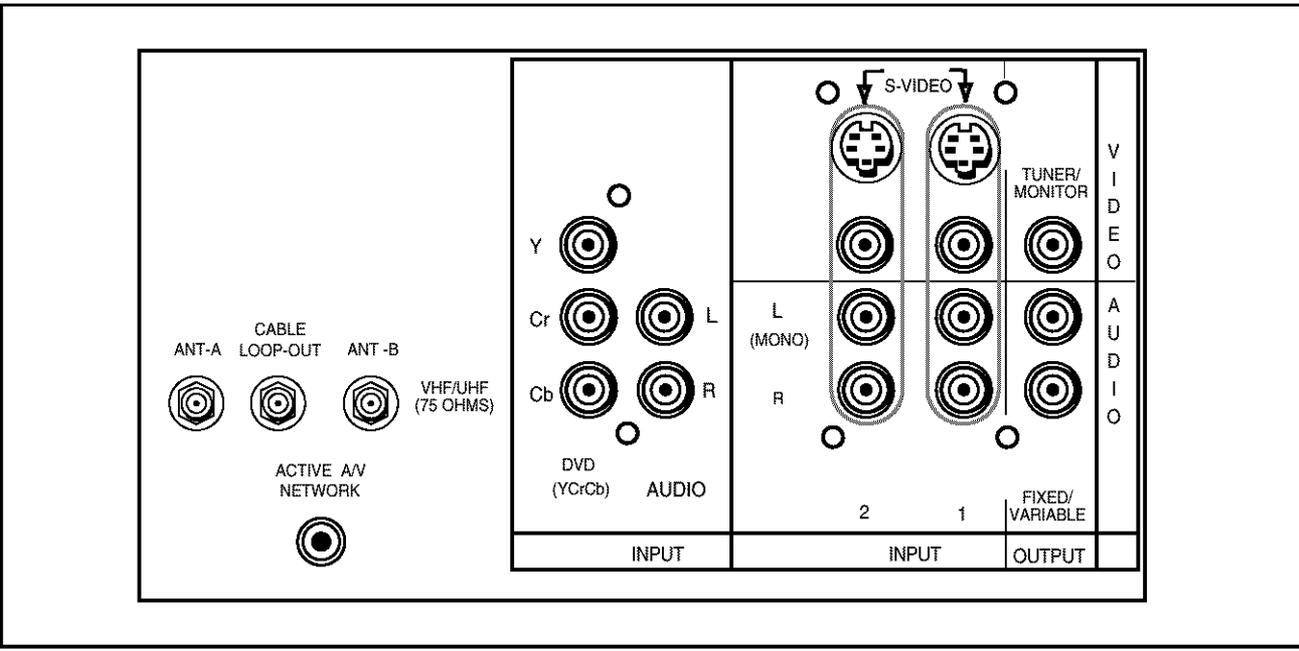
**When using the Active A/V Network, always point your remote control at your television.**

# Control Panel Functions

## Front Control Panel



## Back Panel Terminals



## Front Panel Control Functions

Many remote control buttons are duplicated on the front control panel. Power, volume, channel and input operate the same way, using either remote control or front panel buttons.

### IRIS™



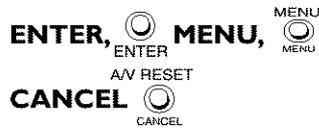
Intelligent Room Illumination (light) Sensor. Turn this feature on or off using the video button on your remote. When IRIS is on, your TV will automatically adjust picture contrast and brightness for the best picture based on your room lighting.

### TIMER LIGHT



If you set the TV to turn on at a specific time (see Timer Menu in the Menu section) the light will blink green when the television is off. When the power is on, the light will shine steadily.

### ADJUST, ▲▶▼ or ◀



These are the same as the buttons on your remote control. In the menu screens, you can use these buttons to move through the menu options and setting fields, and make or delete selections.

### A/V RESET



Press this button to reset all of the A/V memory categories to the factory default settings.

### VIDEO



Connect the video output of a camcorder or other video component to the TV.

### S-VIDEO



Connect the S-video output of a camcorder or other S-video component to the TV. If you connect a S-video cable to this terminal, you cannot use the adjacent VIDEO input.

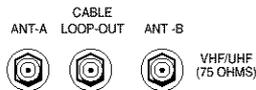
### L-AUDIO-R



Connect the audio output from a camcorder or other component to your TV.

# Back Panel Terminals

## Antenna (ANT-A, CABLE LOOP-OUT, ANT-B)



ANT A and ANT-B receive signals from VHF/UHF antennas or a cable system. CABLE LOOP OUT sends the ANT-A signal out to another component (such as a VCR).

## Active A/V Network



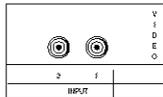
Connects Mitsubishi product that have an A/V network terminal.

## INPUT 1 and 2 S-Video



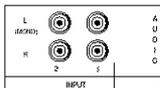
Either of these video terminals connect to a S-video signal from a Super VHS (S-VHS) VCR, laser disc player or other audio video device to the TV. If you connect to S-Video, you cannot connect to standard video.

## INPUT 1 and 2 video input



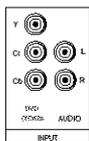
Connect the video output from a standard VCR or other equipment to the TV.

## INPUT 1 and 2 audio input



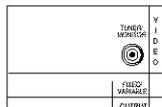
Connect the audio output from a VCR or other equipment to the TV.

## Component video and audio input



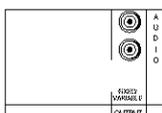
Connect the component video and audio signals from a DVD player or other equipment with component video outputs to the TV. If you connect the three component video terminals (DVD) and you wish to use the TV's built in speakers, use the adjacent audio inputs for your audio connection. (This input is only compatible with 480i components).

## Video monitor/tuner output



Sends the TV video signal to an A/V receiver or other equipment.

## Audio output



Sends the TV's audio signal to an A/V receiver or other equipment.

# Troubleshooting

Problem	Possible Solution
<ul style="list-style-type: none"> <li>The TV remote control doesn't work</li> </ul>	<ul style="list-style-type: none"> <li>Check that the batteries are installed correctly.</li> <li>Check that the select switch is set to "TV".</li> <li>Be no more than 20 feet from the TV when using the remote control.</li> </ul>
<ul style="list-style-type: none"> <li>The TV takes several seconds to respond to channel commands</li> </ul>	<ul style="list-style-type: none"> <li>Press ENTER after a command to avoid delays.</li> <li>Use the three digit number, i.e. 002 for channel 2.</li> </ul>
<ul style="list-style-type: none"> <li>You can't access a channel</li> </ul>	<ul style="list-style-type: none"> <li>Try using the number keys to select the channel.</li> <li>Be sure the channel you want to view is in memory.</li> <li>Check that the TV is tuned to the correct input source for that channel.</li> <li>Make sure the V-chip lock is off.</li> </ul>
<ul style="list-style-type: none"> <li>On-screen displays appear each time you change a function</li> </ul>	<ul style="list-style-type: none"> <li>This is part of normal TV operation.</li> </ul>
<ul style="list-style-type: none"> <li>You can't program the TV to turn on automatically</li> </ul>	<ul style="list-style-type: none"> <li>The TV may be locked.</li> <li>Clock is not set.</li> </ul>
<ul style="list-style-type: none"> <li>There's no sound even when the volume is turned up</li> </ul>	<ul style="list-style-type: none"> <li>Check to see if the MUTE button is on.</li> <li>The TV's "Listen to:" setting may be set to S.A.P.</li> <li>Check that "TV Speakers" setting is ON.</li> </ul>
<ul style="list-style-type: none"> <li>You forget your parent lock passcode</li> </ul>	<ul style="list-style-type: none"> <li>See "Bypassing the Parent Lock, Appendix 3".</li> </ul>
<ul style="list-style-type: none"> <li>Antenna-B doesn't appear as a PIP source</li> </ul>	<ul style="list-style-type: none"> <li>Antenna B cannot be a PIP source when Antenna A is the main picture.</li> </ul>
<ul style="list-style-type: none"> <li>The sound doesn't match the screen picture</li> </ul>	<ul style="list-style-type: none"> <li>The TV's "Listen to:" setting may be set to S.A.P. Change in Audio Video Memory Settings.</li> </ul>
<ul style="list-style-type: none"> <li>There is a large black or gray rectangle on the screen</li> </ul>	<ul style="list-style-type: none"> <li>The TV has been set to "text" mode, but there is no text information being broadcast. Turn Off in the CAPTION menu (page 41).</li> </ul>
<ul style="list-style-type: none"> <li>You cannot see a picture when you play a VCR tape</li> </ul>	<ul style="list-style-type: none"> <li>If you connected your VCR with A/V cables, use the INPUT button to select the Input source (Input 1, 2, or 3) that the VCR is connected to.</li> </ul>

## Important Notes

### Warning:

**Don't leave stationary or letterboxed images on-screen for extended periods of time. Mix the types of pictures shown.**

The normal use of a TV should include a mixture of television picture types. The most used pictures types should fill the screen with constantly moving images rather than stationary images or patterns. Displaying the same stationary patterns over extended periods of time, or displaying the same stationary pattern frequently can leave a subtle but permanent ghost image in your picture. Note that moving images with stationary black bars can also leave a subtle but permanent ghost image. To avoid this, mix your viewing pattern; do not show the same stationary image for more than 15% of your total TV viewing in any one week. Display constantly moving and changing images that fill the screen whenever possible.

This projection television uses picture tubes to project the image to the screen. All picture tubes age with use. As they age, their light output is gradually reduced. Normal television pictures fill the screen with constantly changing images. In these conditions, the picture tubes age at an even rate across the entire screen. This maintains a TV picture that is evenly bright over the whole screen. Stationary images or images that only partially fill the screen (leaving blank or colored bars to fill the screen), when used over extended periods of time or when viewed repeatedly, can cause uneven aging of the phosphors and leave subtle ghosts of the stationary images in the picture.

**Uneven picture tube aging is not covered by the warranty.**

Still or stationary images may be received from broadcasters, cable channels or satellite channels, DVD discs, video tapes, laser discs, on-line services or web/internet searching devices, video games and digital television tuner/converter boxes. Examples of these types of image can be, but are not limited to the following:

- **Letterbox top/bottom black bars**  
(These are the black bars shown at the top and bottom of the screen when you watch a widescreen movie on a standard TV)
- **Side bar images**  
(These are the solid bars shown on each side of the image when you watch a normal TV program on a widescreen TV)
- **Stock-market report bars**  
(These are the row of stock prices normally shown at the bottom of the screen during a financial report)
- **Shopping channel logos and pricing displays**  
(Especially bright displays that are shown constantly or repeatedly in the same place on the screen)
- **Video game patterns or scoreboards**
- **Bright station logos**  
(Subtle, low-contrast logos are less likely to cause uneven aging, especially if they are translucent and are not always projected in the same spot)
- **On-line (internet) web sites**  
or other computer style images that are not changed or are left on display for long periods of time

## Important Notes, continued

### Warning:

If you place speakers next to the TV, make sure they are magnetically shielded. Ordinary speakers will cause distortion in the picture due to their strong magnets. This distortion, however, will not harm the picture tubes.

For maximum enjoyment and safe operation of your Mitsubishi TV, please read *IMPORTANT SAFEGUARDS*, pages 3 and 4 of your Owners Guide, very carefully and apply them properly

### Cleaning:

Normally, light dusting with a non-scratching duster will keep your TV clean.

If you want to wipe down your TV, turn it off and unplug it. Then, wipe it gently with a soft cloth slightly moistened with water. You can add a few drops of mild liquid detergent to the water for oily dirt.

**DO NOT** allow liquid to enter the TV through the ventilation slots.

**DO NOT** use strong or abrasive cleaners.

**DO NOT** use spray liquids or cleaners directly on the TV's surface.

**DO NOT** scrub or rub the TV harshly. Wipe gently.

## If Service is Required

If you are unable to correct a problem with your TV, consult your Mitsubishi dealer or Mitsubishi Authorized Warranty Service Center.

**DO NOT** adjust any controls not described in this owner's guide.

**DO NOT** remove the protective back cover of this unit.

If you see the following display on your screen, you should not change any settings. This is a special display used by the factory.

If any settings are changed, your warranty may be void.

NOTE: "Series Settings" are included for reference only and will vary from those shown below.

If this display appears, make sure that all of the on/off settings are the same as the illustration below and then turn the TV off. If any of the settings are different from the illustration below, turn the TV off and consult your Mitsubishi dealer or Mitsubishi Authorized Warranty Service Center.

Initial	
E2RESET	
Power Res	: Off
When Mute	: On
Direct key mode	: Off
VS-70705	: .....
V-CHIP	: On
Series Setting:	.....
Series Setting:	VZ8.....

**For further assistance, please call 800-332-2119**

## Appendix I - Diamond Shield™

The custom-fitted Diamond Shield is an extra protection for your television screen. It has a special tint that enhances picture contrast and filters colors to enhance picture color quality. It can be removed or installed, according to your preference.

For VS-45607, VS-50607, and VS-60607, the Diamond Shield is an option that can be purchased separately from your Mitsubishi dealer. The optional Diamond Shield is not manufactured with the special tint.

For models that have the Diamond Shield already installed, you can remove the shield if you prefer.

For models where the Diamond Shield is included in a separate package, you can easily install the shield. Carefully remove the masking paper on the Diamond Shield. This is the coated, scratch-resistant side which should face outward from the TV. Then remove the plastic sheet from the other side of the Diamond Shield. This is the uncoated side which should face into the TV.

Wear cotton gloves to prevent fingerprints on the Diamond Shield.

### Installation or removal of the Diamond Shield:

#### • To install optional Diamond Shield™:

- remove the top molding clip with a small flat head screwdriver, pressed into the opening at the upper corner (Illustration 1)
- remove the bottom molding clip, with a small flat head screwdriver, pressed into opening at the bottom corner
- after loosening corners, pull gently to remove
- to **install**, insert shield by sliding it into the right side channel (Illustration 2)
- gently press on the shield sides to bow the screen towards you
- insert the left side channel
- install with the molding clips provided. Do not force.

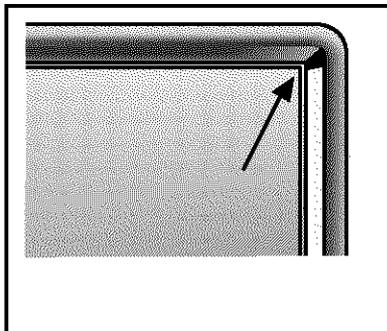


Illustration 1

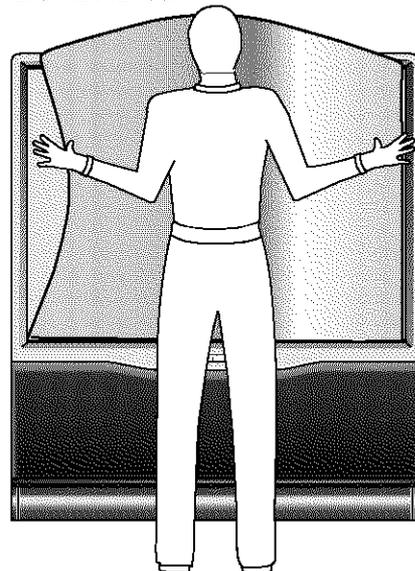


Illustration 2

## Appendix I- Diamond Shield™, continued

- **To remove Diamond Shield™:**

- to **remove**, remove the top and bottom molding clips as instructed on page 61, and gently press on the shield sides to bow the screen towards you. It will pop out of the top panel (Illustration 3)
- reinstall the molding clips. Do not force.

**IMPORTANT**  
Store your Diamond Shield™  
carefully so that the shield does not  
become scratched.

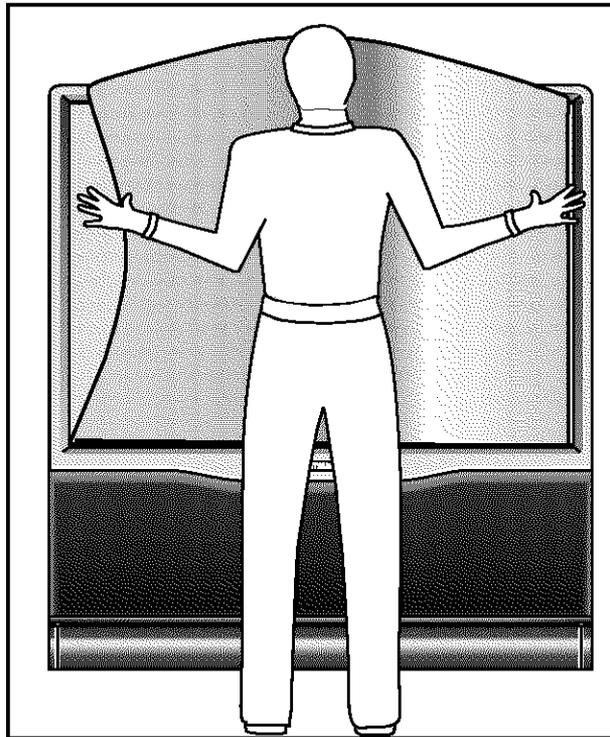


Illustration 3

# Appendix 2 - Remote Control Programming Codes

## AV Receiver

Mitsubishi	011, 012, 013, 014, 010
Admiral	220
Aiwa	225, 226
Denon	234, 235, 236
Fisher	204
Gerrard	213
Harman Kardon	215
Jensen	223
JVC	232, 233
Kenwood	200, 208
Magnavox	227, 228
Marantz	224
Mclintosh	216
Nakamichi	206, 217
Onkyo	209, 214
Optimus	203, 227, 231, 230
Panasonic	219, 218, 221
Philips	223
Pioneer	205, 207
Quasar	219, 218, 221
RCA	203, 205, 227, 231, 230
Sansui	203, 211, 239
Sharp	234, 237
Sony	222
Sound-sigh	238
TEAK	212, 213, 210, 211
Technics	221, 218, 219
Victor	232, 233
Yamaha	201, 202

## DVD

Mitsubishi	003
Denon	250
Ferguson	251
GE	251
JVC	257
Normande	251
Panasonic	250
Philips/Magnavox	258
Pioneer	252
RCA/Proscan	251, 256
Saba	251
Sony	254
Thomson	251
Toshiba	253
Yamaha	250
Zenith	259

## Satellite Receiver

Mitsubishi	173
Echostar	175
G.E.	176
Hitachi	173, 181
Hughes	173
Panasonic	174
Philips	171, 172
Primestar	178
RCA	176, 179, 180
Sony	177
Toshiba	170
Uniden	171, 172

## Cable

ABC	124
Archer	132, 125
Cableview	105, 132
Citizen	122, 105
Color Voice	128, 129, 130, 106, 107
Comtronics	128, 129, 130, 106, 107
Curtis	112, 113
Diamond	124, 132, 125
Eagle	129
Eastern	134
GC Brand	132, 105
GE	111, 112, 113
Gemini	122, 143
General Instrument/Jerrold	111, 119, 124, 125, 126, 127, 120, 121, 122, 123
Hamiln	140, 141, 142, 145, 118, 112
Hitachi	103, 124
Macom	103, 104, 105, 108
Magnavox	128, 129, 130, 106, 107, 133, 138
Memorex	130
Movietime	132
Oak	139, 137, 102
Panasonic	109, 110, 114
Paragon	117
Philips	128, 129, 130, 106, 107, 133, 138
Pioneer	101, 116
Pulsar	105, 132
Puser	132
RCA	115
Realistic	132
Regal	112, 118, 140, 141, 142, 145
Regency	134
Rembrandt	137, 132, 105, 138
Samsung	105
Satellite	100
Scientific Atlanta	111, 112, 113
Signature	119, 124, 125, 126, 127, 120, 121, 122, 111
SL Mark	105, 101
Sprucer	105, 110
Starcom	119, 124, 125, 126, 127, 120, 121, 122, 111
Stargate	132, 105
Teleview	101, 105
Texscan	144
Tocom	135, 136
Toshiba	104
Unika	132, 125
United Artists	139, 137, 102
United Cable	119, 124, 125, 126, 127, 120, 121, 122, 111
Universal	122, 132
Videoway	106
Viewstar	129, 130
Zenith	117, 100

## Appendix 2 - Remote Control Programming Codes continued

VCR

Mitsubishi	001, 060, 067, 068, 061, 062, 002
Admiral	055
Aiwa	047, 052
Akai	049, 034, 035, 036
Audio Dynamic	059, 031
Bell & Howell	025, 033
Broksonic	040, 046
Canon	043, 045
Citizen	026
Craig	025, 049, 026
Curtis Mathes	065, 044, 047
Daewoo	063, 021, 044, 079
DBX	059, 030, 031
Dimensia	065
Emerson	023, 038, 039, 040, 045, 046, 062, 063,
Fisher	025, 028, 029, 027
Funai	047, 046, 040
GE	057, 065, 044
Go Video	057, 069, 070, 071
Goldstar	026
Hitachi	043, 065, 020
Instant Replay	044, 043
Jensen	059
JVC	059, 030, 031, 054, 076, 077
Kenwood	059, 030, 026, 031
LXI	047, 026, 020, 027, 028, 025, 029
Magnavox	051, 043, 044
Marantz	059, 030, 031
Marta	026
Memorex	044, 029
MGA	058, 060, 067, 068, 061, 062
Minolta	020, 065
Multitech	067, 047, 024
NEC	059, 030, 031, 054
Olympic	044, 043
Optimus	048, 041, 055, 026
Orion	046, 040
Panasonic	043, 044, 041, 042
Penney	044, 020, 065, 025, 059, 030, 031
Pentax	020, 031, 065
Philco	051, 044, 047, 043, 046, 040
Philips	051, 043, 044
Pioneer	043
Proscan	065, 020, 043, 044, 051, 066, 021, 022
Quasar	041, 042, 043, 044
Radio Shack	053, 044, 025, 056, 029, 060, 047
RCA	053, 065, 020, 043, 044, 049, 051, 066, 021, 022
Realistic	044, 025, 056, 029, 060, 047
Samsung	057, 022, 024, 053
Sansui	059, 046, 040, 072
Sanyo	025, 029
Scott	021, 022, 024, 029, 058, 060, 067, 068, 046, 040
Sears	025, 026, 027, 028 020
Shaintom	037
Sharp	055, 056
Signature 2000	047, 055
Singer	037
Sony	048, 049, 050, 073, 074, 075
SV2000	047
Sylvania	051, 043, 044, 047
Symphonic	047
Tashiro	026
Tatung	059, 030, 031
TEAC	059, 030, 047, 031
Technics	032, 041, 042, 043, 044
Teknika	044, 047
Toshiba	021, 066
Totevision	026
Vector Research	031
Wards	055, 056, 029, 064, 026
Yamaha	025, 059, 030, 031
Zenith	064

## Appendix 3 - Bypassing the Parent Lock

Cut along dotted line and file after reading.

---

After you set the lock, you will need the secret code in order to:

- view a locked program,
- view the locked TV, or
- cancel the lock.

If you forget the code, you can view the locked TV without entering the code. To do this, simply press the buttons on your remote labeled “QV” and “9” at the same time whenever your secret code is requested. Unlocking the TV this way is temporary.

### To change or permanently cancel the lock:

1. Turn on your TV. If the TV requests your secret code, press  and  at the same time.
2. Press  to view the main menu.
3. Use the  or  to select “V-Chip Parent Lock” and press .
4. The on-screen display will ask for your current passcode. Press  and  at the same time.
5. The on-screen display will now ask you to enter a new code:
  - To cancel the passcode permanently, press  or .
  - To change to a new passcode, use the number buttons to enter a new code, then press .

### IMPORTANT

You must use the remote control included with this TV. You cannot use a remote control from another Mitsubishi component and you cannot use “Universal” remotes from other manufacturers.

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