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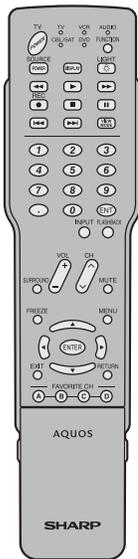
LC-32HT3U LC-37HT3U LC-42HT3U

Remote Replicator Duplicateur distant Duplicador remoto AN-H06RCU

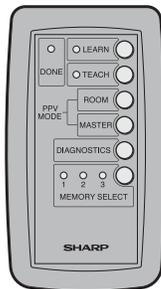
Remote control unit Télécommande Unidad de control remoto AN-32HTRC

OPERATION MANUAL FOR HOTEL OPERATOR
MODE D'EMPLOI POUR HOTELIER
MANUAL DE OPERACIÓN PARA EMPRESAS HOTELERAS

AQUOS



AN-32HTRC



AN-H06RCU



LC-32HT3U
LC-37HT3U



LC-42HT3U



ENGLISH

FRANÇAIS

ESPAÑOL

Remote Replicator (AN-H06RCU) Remote control unit (AN-32HTRC)

ENGLISH

OPERATION MANUAL FOR HOTEL OPERATOR

- This operation manual is for LODGENET, ONCOMMAND, NXTV, nSTREAMS and SeaChange users.
- This operation manual explains how to set or adjust the TV settings with the Remote Replicator (AN-H06RCU) and the remote control unit (AN-32HTRC), the optional accessories of the LCD TV (LC-32HT3U/LC-37HT3U/LC-42HT3U) designed for hotel guest rooms.
- The illustrations and on-screen displays in this operation manual are for explanation purposes and may vary slightly from the actual operations.
- Menu items that are not selectable are grayed out.
- The examples used throughout this manual are based on the LC-37HT3U model.

IMPORTANT INFORMATION

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

 <div style="text-align: center;"> <p>CAUTION</p> <p>RISK OF ELECTRIC SHOCK DO NOT OPEN</p> </div> 	 <p>The lightning flash with arrow-head 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 to persons.</p>
<p>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.</p>	 <p>The exclamation point within a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.</p>

IMPORTANT INFORMATION

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

CAUTION:

DO NOT PLACE THIS PRODUCT ON AN UNSTABLE CART, STAND, TRIPOD, BRACKET, OR TABLE. THE PRODUCT MAY FALL CAUSING SERIOUS PERSONAL INJURY AND SERIOUS DAMAGE TO THE PRODUCT. USE ONLY WITH A CART, STAND, TRIPOD, BRACKET, OR TABLE RECOMMENDED BY THE MANUFACTURER OR SOLD WITH THE PRODUCT. FOLLOW THE MANUFACTURER'S INSTRUCTIONS WHEN INSTALLING THE PRODUCT AND USE MOUNTING ACCESSORIES RECOMMENDED BY THE MANUFACTURER. A PRODUCT AND CART COMBINATION SHOULD BE MOVED WITH CARE. QUICK STOPS, EXCESSIVE FORCE, AND UNEVEN SURFACES MAY CAUSE THE PRODUCT AND CART COMBINATION TO OVERTURN.



WARNING: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

CAUTION:

This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

DECLARATION OF CONFORMITY:

SHARP LIQUID CRYSTAL TELEVISION, MODEL LC-32HT3U/LC-37HT3U/LC-42HT3U

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RESPONSIBLE PARTY:

SHARP ELECTRONICS CORPORATION

Sharp Plaza, Mahwah, New Jersey 07430-2135

TEL: 1-800-BE-SHARP

For Business Customers: URL <http://www.sharppusa.com>

INFORMATION:

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.

"Note to CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electrical Code 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."

This product utilizes tin-lead solder, and fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities, the Electronic Industries Alliance: www.eiae.org, the lamp recycling organization: www.lamprecycle.org or Sharp at 1-800-BE-SHARP (For U.S.A. Only)

Trademarks

- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

- "HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC."

IMPORTANT SAFETY INSTRUCTIONS

Electricity is used to perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock and/or fire. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your Liquid Crystal Television, please read the following precautions carefully before using the product.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



Additional Safety Information

- 15) Power Sources—This product 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 supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- 16) Overloading—Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- 17) Object and Liquid Entry—Never push objects of any kind into this product 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 product.
- 18) Damage Requiring Service—Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a) When the AC cord or plug is damaged,
 - b) If liquid has been spilled, or objects have fallen into the product,
 - c) If the product has been exposed to rain or water,
 - d) If the product 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 product to its normal operation,
 - e) If the product has been dropped or damaged in any way, and
 - f) When the product exhibits a distinct change in performance - this indicates a need for service.
- 19) 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.
- 20) Safety Check—Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- 21) Wall or ceiling mounting—When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer.

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General notes

Accessories

Accessories included with the LC-32HT3U/LC-37HT3U/LC-42HT3U

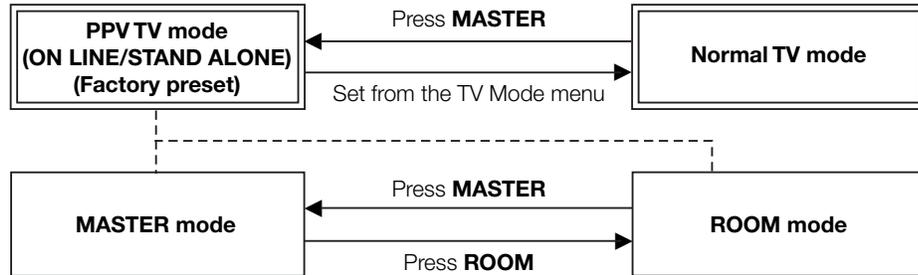
See pages 8, 12 and 13 of the operation manual of LC-32HT3U/LC-37HT3U/LC-42HT3U.

Optional accessories for the LC-32HT3U/LC-37HT3U/LC-42HT3U

- **Remote Replicator:** Stores the TV settings from one TV (LC-32HT3U/LC-37HT3U/LC-42HT3U) and transfers the TV settings to other TVs (LC-32HT3U/LC-37HT3U/LC-42HT3U).
- **Remote control unit:** Sets or adjusts the TV. The remote control unit is for hotel operators only and should not be used by hotel guests.

TV modes index

The diagram below explains the TV modes of the LC-32HT3U/LC-37HT3U/LC-42HT3U models.



PPV TV mode: This mode has two modes, MASTER mode and ROOM mode.

- **MASTER mode:** Allows hotel operators to set or adjust the TV.
- **ROOM mode:** This mode is for hotel guests.

Normal TV mode: The TV functions as a normal TV. (See page 29.)

Explanation of the remote control unit, TV modes and the buttons on the TV

The accessible buttons of the remote control unit and TV panel will change depending on the TV mode.

				Remote control unit of LCD TV		TV buttons	Remote control unit supplied by PPV provider	Remote Replicator	
				Same function as TV buttons	Other functions			MASTER or ROOM button	Other buttons
PPV TV	ONLINE*1	MASTER mode		×	×	×	×	×	
		Room mode	R/C Buttons	On	×	-			-
			Off	-					
		TV Buttons*3	On	×	-	-			
	Off		-						
	STAND ALONE*2	MASTER mode		×	×	×	-		
		Room mode	R/C Buttons	On	×	-			-
			Off	-					
TV Buttons*3		On	×	-	-				
	Off	-							
Normal TV				×	×	×	-	×	×*4

× Enabled

- Disabled

□ No effect

*1 **ONLINE:** When the TV is connected to the PPV terminal box, and the PPV terminal box is operational

*2 **STAND ALONE:** When the TV is not connected to the PPV terminal box or the TV is connected to the PPV terminal box, but the PPV terminal box is not operational

*3 TV INPUT Button: You can change the input source using **INPUT** on the TV when "TV Buttons" and "TV INPUT Button" are set to Respond.

*4 The LEARN/TEACH buttons also work in Normal TV mode. (The DIAGNOSTICS button will have no effect.)

NOTE

- Depending on the Room Mode setting (see page 11, 14, 18, 21 and 24), press **MASTER** or **ROOM** on the Remote Replicator to turn on or turn off the TV.

General notes

Quick TV cloning guide (for the PPV TV)

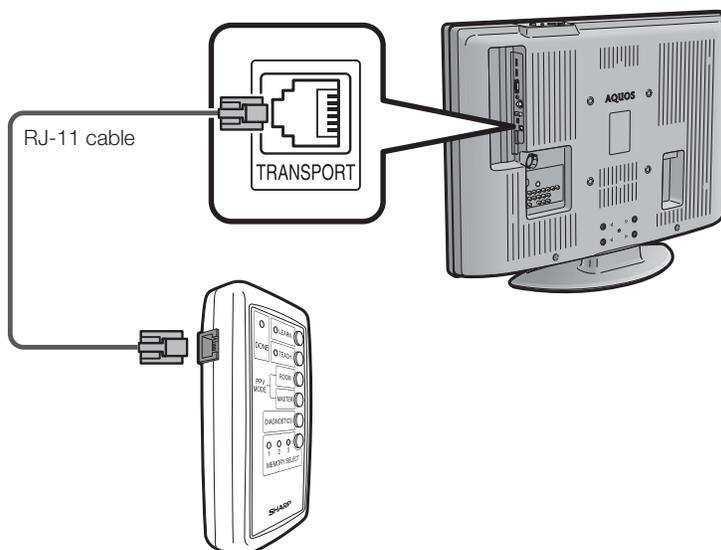
The steps below show the process of setting TVs for hotel guest rooms.

1 Press **MASTER** on the Remote Replicator to turn on the TV. (See page 26.)

2 Use the remote control unit to set or adjust the TV (TV with the master settings). (LODGENET users: See pages 9 to 12. ONCOMMAND users: See pages 13 to 16. NXTV users: See pages 17 to 19. nSTREAMS users: See pages 20 to 22. SeaChange users: See pages 23 to 25.)

3 Connect the TRANSPORT terminal of the TV to the TRANSPORT (RJ-11) connector of the Remote Replicator with the supplied RJ-11 cable.

- For NXTV users, perform steps on page 27 before connecting the TV and the Remote Replicator.



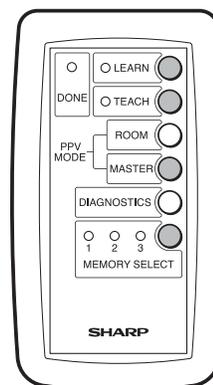
4 Press **MEMORY SELECT** on the Remote Replicator to select the memory bank number in which you want to store the data. (See pages 26 and 27.)

5 Press **LEARN** on the Remote Replicator to store the TV settings in the Remote Replicator. (See pages 26 and 27.)

6 Disconnect the RJ-11 cable from the TV (TV with the master settings), and connect to the other TV (TV to be cloned) that you want to transfer the data.
• For NXTV users, perform steps on page 27 before connecting the TV and the Remote Replicator.

7 Press **MEMORY SELECT** on the Remote Replicator to select the memory bank number that contains the data you want to send. (See pages 26 and 27.)

8 Press **TEACH** on the Remote Replicator to transfer the TV settings. (See pages 26 and 27.)



General notes

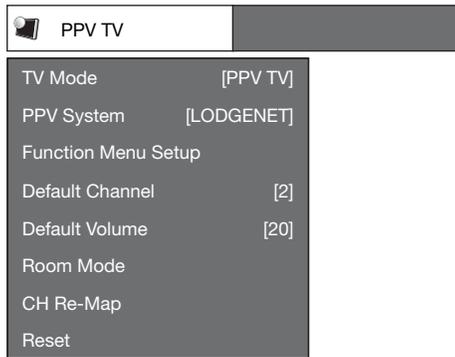
Quick TV cloning guide (for the Normal TV)

If already in Normal TV mode, begin from step 6.

1 Press **MASTER** on the Remote Replicator to turn on the TV. (See page 26.)

2 Press **MENU** and the MENU screen displays.

3 Press ◀/▶ to select "PPV TV".



4 Press ▲/▼ to select "TV Mode", and then press **ENTER**.

5 Press ◀/▶ to select "Normal TV", and then press **ENTER**.

- When you select "Normal TV", enter "2433" for the password, and then the TV will automatically turn off after the message. The TV enters the Normal TV mode when it is turned on again.

Selected item	Description
PPV TV	Sets and adjusts the TV, and communicates with the PPV terminal box.
Normal TV	Functions as a normal TV.

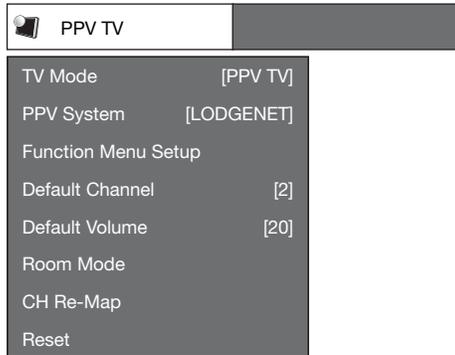
6 Use the remote control unit to set or adjust the TV. (TV with the master settings) (See pages 36, 44 to 67.)

7 Perform step 3 through step 8 for PPV TV on the previous page. (See page 7.)

8 Wait until the power is completely off.
To turn the power on again after performing TEACH, wait approximately 15 seconds after the TV enters Standby Mode (dark screen). Then turn the power on.

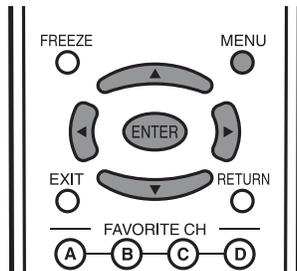
Quick setup for LODGENET users

For quick setup, use the remote control unit to perform the following operations. Before the setup, press **MASTER** on the Remote Replicator to turn on the TV in the MASTER mode.



PPV System

Sets the Pay Per View system.



- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select "PPV TV".
- 3 Press **▲/▼** to select "PPV System", and then press **ENTER**.
- 4 Press **▲/▼** to select "LODGENET", and then press **ENTER**.
 - The TV will automatically turn off. Press **MASTER** on the Remote Replicator to turn on the TV again.

Function Menu Setup

You can select the menu items to display on the Function menu. (See page 30.) The Function menu can be displayed by pressing the **TV FUNCTION** button on the LODGENET remote control unit.

- 1 Repeat steps 1 and 2 in **PPV System**.
- 2 Press **▲/▼** to select "Function Menu Setup", and then press **ENTER**.
- 3 Press **▲/▼** to select the desired item, and then press **ENTER** to select "On" or "Off".

Selected item	Description
Language	You can select a language from English, French and Spanish for On Screen Display. (See page 30.)
View Mod	You can select the screen size. (See page 30.)
Input Select	You can select the input source. (See page 30.)
Parental CTRL	You can set the secret number. (See pages 62 to 67.)

- 4 Press **MENU** to exit.

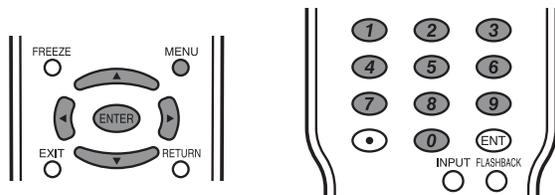
NOTE

- Parental CTRL setting from the hotel server has priority over the TV setting.

Quick setup for LODGENET users

Default Channel

Sets the default channel.



- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select “PPV TV”.
- 3 Press **▲/▼** to select “Default Channel”, and then press **ENTER**.
- 4 Press **▲/▼** to select “Analog/Digital”, and then press **ENTER**.
- 5 Press **◀/▶** to select “Analog” or “Digital”, and then press **ENTER**.
- 6 Press **▲/▼** to select “Analog” or “Digital”, and then press **ENTER**.
- 7 Input the default channel number by using **0 – 9**, and then press **ENTER**.
 - The channel number is based on the physical number, and it may be different from the displayed channel number specified by the hotel server.
- 8 Press **MENU** to exit.

NOTE

- Default Channel setting from the hotel server has priority over the TV setting when the TV is connected to the PPV terminal box (ONLINE).
- The TV returns to the default channel when the TV is turned on and is not connected to the PPV terminal box (STAND ALONE)

Default Volume

Sets the default volume or turns the Auto adjustment on or off for when the TV is turned on. The Auto adjustment sets the volume to a suitable level depending on the previously used volume setting.

- 1 Repeat steps 1 and 2 in **Default Channel**.
- 2 Press **▲/▼** to select “Default Volume”, and then press **ENTER**.
- 3 Press **▲/▼** to select “Volume” or “Auto adjustment”.
- 4 For “Volume”, press **◀/▶** to set the default volume.
For “Auto adjustment”, press **◀/▶** to select “On” or “Off”.
- 5 Press **MENU** to exit.

NOTE

- Default Volume setting from the hotel server has priority over the TV setting.
- For resetting all Default Volume adjustment items to the factory preset values, select “Reset” in step 3, and then press **ENTER**.

Quick setup for LODGENET users

Room Mode

You can set “Maximum Volume”, “R/C Buttons”, “TV Buttons” and “TV INPUT Button” for the ROOM mode.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select “PPV TV”.
- 3 Press **▲/▼** to select “Room Mode”, and then press **ENTER**.
- 4 Press **▲/▼** to select the desired item, and then press **ENTER**.
- 5 For “Maximum Volume”, press **◀/▶** to set the volume.
For “R/C Buttons”, “TV Buttons” and “TV INPUT Button”, press **◀/▶** to select “Respond” or “No Respond”, and then press **ENTER**.

Selected item	Description
Maximum Volume	Set the maximum volume in the ROOM mode.
R/C Buttons	Select “Respond” to enable or “No Respond” to disable the functions of the remote control unit.
TV Buttons	Select “Respond” to enable or “No Respond” to disable the functions of the TV buttons.
TV INPUT Button	Select “Respond” to enable or “No Respond” to disable the functions of the INPUT button on the TV.

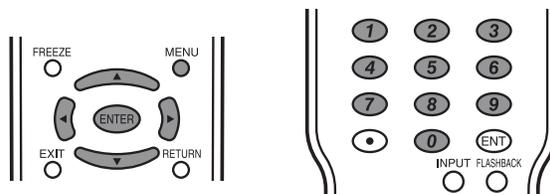
- 6 Press **MENU** to exit.

NOTE

- Maximum Volume setting from the hotel server has priority over the TV setting.
- When you set the Maximum Volume lower than the Default Volume, the Default Volume setting will be automatically set to the same level as the Maximum Volume.
- Some buttons on the remote control unit will not work in the ROOM mode even though “R/C Buttons” is set to “Respond”.
- Depending on the Room Mode setting, press **MASTER** or **ROOM** on the Remote Replicator to turn on or turn off the TV.
- “TV INPUT Button” is grayed out when “TV Buttons” is set to “No Respond”.
- For resetting all Room Mode adjustment items to the factory preset values, select “Reset” in step 4.

CH Re-Map

Sets the channel order (logical channel) to your preferred order.



- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select “PPV TV”.
- 3 Press **▲/▼** to select “CH Re-Map”, and then press **ENTER**.
- 4 Press **▲/▼** to select “CH Set”, and then press **ENTER**.
- 5 Press **▲/▼/◀/▶** to select the Logical CH you want to set, and then press **ENTER**.
- 6 Press **▲/▼** to select “ANALOG”, “DIGITAL” or the desired input source, and then press **ENTER**.
When you select “ANALOG” or “DIGITAL”, input the channel number by using **0 – 9**, and then press **ENTER**.
 - Select “Reset” for resetting the channel to the factory preset value.
 - When you input digital channels with a single number after the dot, input 0 after the dot.
(e. g., Channel 22.1):
Press **0→2→2→0→1→ENTER**
- 4 Repeat the steps 5 and 6 until all desired logical channels are set.
- 5 Press **MENU** to exit.

NOTE

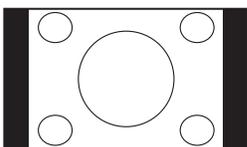
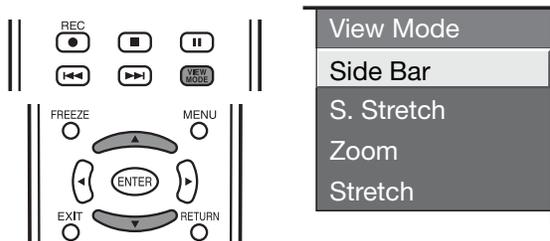
- For resetting all logical channels to the factory preset values, select “CH Reset All” in step 4, press **◀/▶** to select “Yes”, and then press **ENTER**.

Quick setup for LODGENET users

View Mode

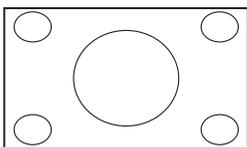
You can set the picture size for when the TV is turned on.

- 1 Press **VIEW MODE**.
 - The View Mode menu displays.
- 2 Press **VIEW MODE** or **▲/▼** while the View Mode menu is still on the screen.
 - You can sequentially select a View Mode that has its own aspect ratio.



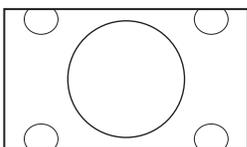
Side Bar:

Suitable for viewing conventional 4:3 programs in their normal format.



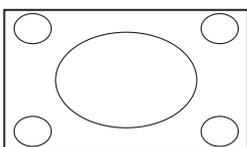
S.Stretch (Smart stretch):

Suitable for stretching 4:3 programs to fill the screen.



Zoom:

Suitable for viewing wide-screen 2.35:1 anamorphic DVDs in full screen.



Stretch:

This mode is useful for 1.78:1 DVDs.

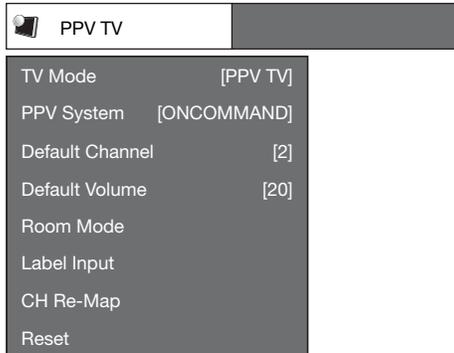
When viewing 1.85:1 DVDs, stretch mode will still show very thin black bands at the top and bottom of the screen

You can set other menu items, such as Brightness, in the PPV TV mode. (See pages 41 to 67.)

When you are finished setting the menu items, perform steps 3 to 8 on page 7 to complete the storing and transferring of the data to the TV

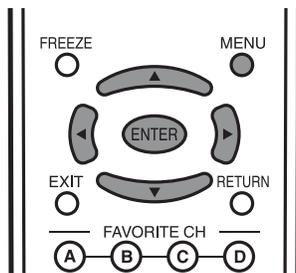
Quick setup for ONCOMMAND users

For quick setup, use the remote control unit to perform the following operations. Before the setup, press **MASTER** on the Remote Replicator to turn on the TV in the MASTER mode.



PPV System

Sets the Pay Per View system.



- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select "PPV TV".
- 3 Press **▲/▼** to select "PPV System", and then press **ENTER**.
- 4 Press **▲/▼** to select "ONCOMMAND", and then press **ENTER**.
 - The TV will automatically turn off. Press **MASTER** on the Remote Replicator to turn on the TV again.

Default Channel

Sets the default channel.

- 1 Repeat steps 1 and 2 in **PPV System**.
- 2 Press **▲/▼** to select "Default Channel", and then press **ENTER**.
- 3 Press **▲/▼** to select "Analog/Digital", and then press **ENTER**.
- 4 Press **◀/▶** to select "Analog" or "Digital", and then press **ENTER**.
- 5 Press **▲/▼** to select "Analog" or "Digital", and then press **ENTER**.
- 6 Input the default channel number by using **0 - 9**, and then press **ENTER**.
 - The channel number is based on the physical number, and it may be different from the displayed channel number specified by the hotel server.
- 7 Press **MENU** to exit.

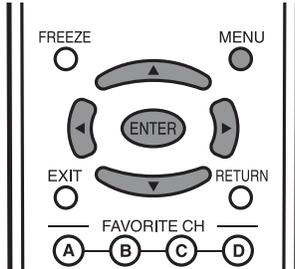
NOTE

- Default Channel setting from the hotel server has priority over the TV setting when the TV is connected to the PPV terminal box (ONLINE).
- The TV returns to the default channel when the TV is turned on and is not connected to the PPV terminal box (STAND ALONE).

Quick setup for ONCOMMAND users

Default Volume

Sets the default volume or turns the Auto adjustment on or off for when the TV is turned on. The Auto adjustment sets the volume to a suitable level depending on the previously used volume setting.



- 1 Press **MENU** and the MENU screen displays.
- 2 Press ◀/▶ to select "PPV TV".
- 3 Press ▲/▼ to select "Default Volume", and then press **ENTER**.
- 4 Press ▲/▼ to select "Volume" or "Auto adjustment".
- 5 For "Volume", press ◀/▶ to set the default volume.
For "Auto adjustment", press ◀/▶ to select "On" or "Off".
- 6 Press **MENU** to exit.

NOTE

- Default Volume setting from the hotel server has priority over the TV setting.
- For resetting all Default Volume adjustment items to the factory preset values, select "Reset" in step 4, and then press **ENTER**.

Room Mode

You can set "Maximum Volume", "R/C Buttons", "TV Buttons" and "TV INPUT Button" for the ROOM mode.

- 1 Repeat steps 1 and 2 in **Default Volume**.
- 2 Press ▲/▼ to select "Room Mode", and then press **ENTER**.
- 3 Press ▲/▼ to select the desired item, and then press **ENTER**.
- 4 For "Maximum Volume", press ◀/▶ to set the volume.
For "R/C Buttons", "TV Buttons" and "TV INPUT Button", press ◀/▶ to select "Respond" or "No Respond", and then press **ENTER**.

Selected item	Description
Maximum Volume	Set the maximum volume in the ROOM mode.
R/C Buttons	Select "Respond" to enable or "No Respond" to disable the functions of the remote control unit.
TV Buttons	Select "Respond" to enable or "No Respond" to disable the functions of the TV buttons.
TV INPUT Button	Select "Respond" to enable or "No Respond" to disable the functions of the INPUT button on the TV.

- 5 Press **MENU** to exit.

NOTE

- Maximum Volume setting from the hotel server has priority over the TV setting.
- When you set the Maximum Volume lower than the Default Volume, the Default Volume setting will be automatically set to the same level as the Maximum Volume.
- Some buttons on the remote control unit will not work in the ROOM mode even though "R/C Buttons" is set to "Respond".
- Depending on the Room Mode setting, press **MASTER** or **ROOM** on the Remote Replicator to turn on or turn off the TV.
- "TV INPUT Button" is grayed out when "TV Buttons" is set to "No Respond".
- For resetting all Room Mode adjustment items to the factory preset values, select "Reset" in step 3.

Quick setup for ONCOMMAND users

Label Input

You can assign a label to each input source and channel.

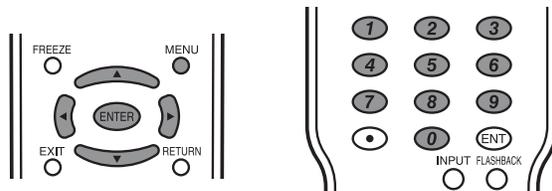
- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select "PPV TV".
- 3 Press **▲/▼** to select "Label Input", and then press **ENTER**.
- 4 Press **▲/▼** to select the desired input source, and then press **ENTER**.
- 5 **For "INPUT 1" to "INPUT 6":**
 - ① Press **▲/▼/◀/▶** and **ENTER** to select each character of the new name for the input source.
 - ② Press **▲/▼/◀/▶** to select "END", and then press **ENTER** to complete the labeling.**For "TV":**
 - ① Press **◀/▶** to select "Air" or "Cable", and then press **▼** to move down.
 - ② Press **◀/▶** to select the channel number you want to label, and then press **▼** to move down.
 - The channel number is based on the physical number, and it may be different from the displayed channel number specified by the hotel server.
 - ③ Select "Select", and then press **ENTER**.
 - ④ Press **▲/▼/◀/▶** and **ENTER** to select each character of the new name for the channel.
 - ⑤ Press **▲/▼/◀/▶** to select "END", and then press **ENTER** to complete the labeling.
- 6 Press **MENU** to exit.

NOTE

- Depending on the system version, you can assign a label using the hotel server.
- When you change the input name for "INPUT 1" through "INPUT 6" in the Label Input setting, the input name you have labeled will not change even if you change the Language setting.

CH Re-Map

Sets the channel order (logical channel) to your preferred order.



- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select "PPV TV".
- 3 Press **▲/▼** to select "CH Re-Map", and then press **ENTER**.
- 4 Press **▲/▼** to select "CH Set", and then press **ENTER**.
- 5 Press **▲/▼/◀/▶** to select the Logical CH you want to set, and then press **ENTER**.
- 6 Press **▲/▼** to select "ANALOG", "DIGITAL" or the desired input source, and then press **ENTER**.

When you select "ANALOG" or "DIGITAL", input the channel number by using **0 - 9**, and then press **ENTER**.

 - Select "Reset" for resetting the channel to the factory preset value.
 - When you input digital channels with a single number after the dot, input **0** after the dot.
(e. g., Channel 22.1):
Press **0→2→2→0→1→ENTER**
- 7 Repeat the steps 5 and 6 until all desired logical channels are set.
- 8 Press **MENU** to exit.

NOTE

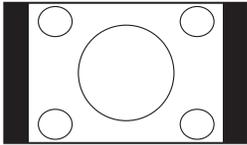
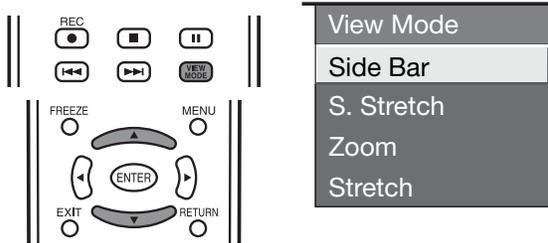
- For resetting all logical channels to the factory preset values, select "CH Reset All" in step 4, press **◀/▶** to select "Yes", and then press **ENTER**.

Quick setup for ONCOMMAND users

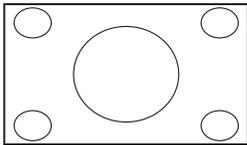
View Mode

You can set the picture size for when the TV is turned on.

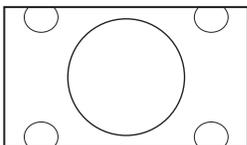
- 1 Press **VIEW MODE**.
 - The View Mode menu displays.
- 2 Press **VIEW MODE** or **▲/▼** while the View Mode menu is still on the screen.
 - You can sequentially select a View Mode that has its own aspect ratio.



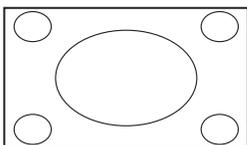
Side Bar:
Suitable for viewing conventional 4:3 programs in their normal format.



S.Stretch (Smart stretch):
Suitable for stretching 4:3 programs to fill the screen.



Zoom:
Suitable for viewing wide-screen 2.35:1 anamorphic DVDs in full screen.



Stretch:
This mode is useful for 1.78:1 DVDs.
When viewing 1.85:1 DVDs, stretch mode will still show very thin black bands at the top and bottom of the screen.

NOTE

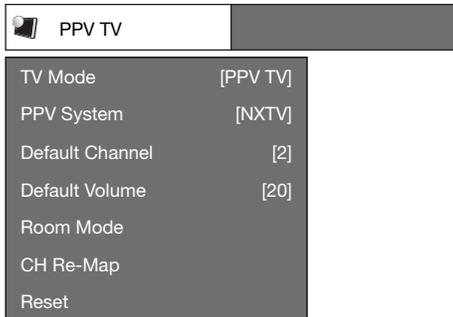
- Some ONCOMMAND PPV systems are not compatible with changing the View Mode. Confirm that your system is compatible with a View Mode before you set it. If your system is not compatible with the desired mode, set the View Mode default setting to “S.Stretch”.

You can set other menu items, such as Brightness, in the PPV TV mode. (See pages 41 to 67.)

When you are finished setting the menu items, perform steps 3 to 8 on page 7 to complete the storing and transferring of the data to the TV

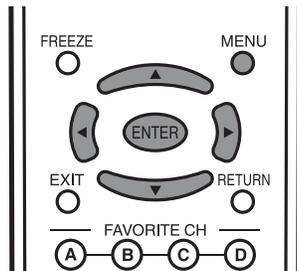
Quick setup for NXTV users

For quick setup, use the remote control unit to perform the following operations. Before the setup, press **MASTER** on the Remote Replicator to turn on the TV in the MASTER mode.



PPV System

Sets the Pay Per View system.



- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select "PPV TV".
- 3 Press **▲/▼** to select "PPV System", and then press **ENTER**.
- 4 Press **▲/▼** to select "NXTV", and then press **ENTER**.
 - The TV will automatically turn off. Press **MASTER** on the Remote Replicator to turn on the TV again.

Default Channel

Sets the default channel.

- 1 Repeat steps 1 and 2 in **PPV System**.
- 2 Press **▲/▼** to select "Default Channel", and then press **ENTER**.
- 3 Press **▲/▼** to select "Analog/Digital", and then press **ENTER**.
- 4 Press **◀/▶** to select "Analog" or "Digital", and then press **ENTER**.
- 5 Press **▲/▼** to select "Analog" or "Digital", and then press **ENTER**.
- 6 Input the default channel number by using **0 - 9**, and then press **ENTER**.
 - The channel number is based on the physical number, and it may be different from the displayed channel number specified by the hotel server.
- 7 Press **MENU** to exit.

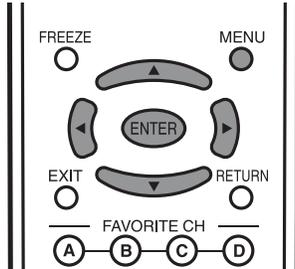
NOTE

- Default Channel setting from the hotel server has priority over the TV setting when the TV is connected to the PPV terminal box (ONLINE).
- The TV returns to the default channel when the TV is turned on and is not connected to the PPV terminal box (STAND ALONE).

Quick setup for NXTV users

Default Volume

Sets the default volume or turns the Auto adjustment on or off for when the TV is turned on. The Auto adjustment sets the volume to a suitable level depending on the previously used volume setting.



1 Press **MENU** and the MENU screen displays.

2 Press **◀/▶** to select “PPV TV”.

3 Press **▲/▼** to select “Default Volume”, and then press **ENTER**.

4 Press **▲/▼** to select “Volume” or “Auto adjustment”.

5 For “Volume”, press **◀/▶** to set the default volume.
For “Auto adjustment”, press **◀/▶** to select “On” or “Off”.

6 Press **MENU** to exit.

NOTE

- Default Volume setting from the hotel server has priority over the TV setting.
- For resetting all Default Volume adjustment items to the factory preset values, select “Reset” in step 4, and then press **ENTER**.

Room Mode

You can set “Maximum Volume”, “R/C Buttons”, “TV Buttons” and “TV INPUT Button” for the ROOM mode.

1 Repeat steps 1 and 2 in **Default Volume**.

2 Press **▲/▼** to select “Room Mode”, and then press **ENTER**.

3 Press **▲/▼** to select the desired item, and then press **ENTER**.

4 For “Maximum Volume”, press **◀/▶** to set the volume.
For “R/C Buttons”, “TV Buttons” and “TV INPUT Button”, press **◀/▶** to select “Respond” or “No Respond”, and then press **ENTER**.

Selected item	Description
Maximum Volume	Set the maximum volume in the ROOM mode.
R/C Buttons	Select “Respond” to enable or “No Respond” to disable the functions of the remote control unit.
TV Buttons	Select “Respond” to enable or “No Respond” to disable the functions of the TV buttons.
TV INPUT Button	Select “Respond” to enable or “No Respond” to disable the functions of the INPUT button on the TV.

5 Press **MENU** to exit.

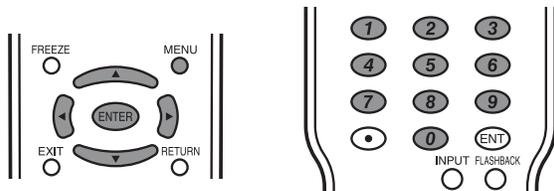
NOTE

- Maximum Volume setting from the hotel server has priority over the TV setting.
- When you set the Maximum Volume lower than the Default Volume, the Default Volume setting will be automatically set to the same level as the Maximum Volume.
- Some buttons on the remote control unit will not work in the ROOM mode even though “R/C Buttons” is set to “Respond”.
- Depending on the Room Mode setting, press **MASTER** or **ROOM** on the Remote Replicator to turn on or turn off the TV.
- “TV INPUT Button” is grayed out when “TV Buttons” is set to “No Respond”.
- For resetting all Room Mode adjustment items to the factory preset values, select “Reset” in step 3.

Quick setup for NXTV users

CH Re-Map

Sets the channel order (logical channel) to your preferred order.



1 Press **MENU** and the MENU screen displays.

2 Press **◀▶** to select "PPV TV".

3 Press **▲▼** to select "CH Re-Map", and then press **ENTER**.

4 Press **▲▼** to select "CH Set", and then press **ENTER**.

5 Press **▲▼/◀▶** to select the Logical CH you want to set, and then press **ENTER**.

6 Press **▲▼** to select "ANALOG", "DIGITAL" or the desired input source, and then press **ENTER**.

When you select "ANALOG" or "DIGITAL", input the channel number by using **0-9**, and then press **ENTER**.

- Select "Reset" for resetting the channel to the factory preset value.
- When you input digital channels with a single number after the dot, input **0** after the dot.
(e. g., Channel 22.1):
Press **0→2→2→0→1→ENTER**

7 Repeat the steps 5 and 6 until all desired logical channels are set.

8 Press **MENU** to exit.

NOTE

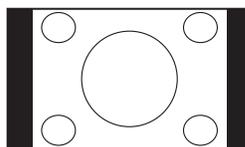
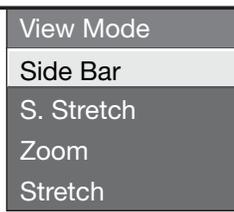
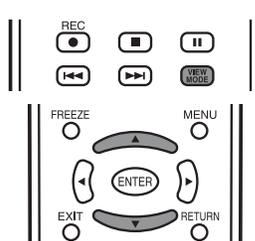
- For resetting all logical channels to the factory preset values, select "CH Reset All" in step 4, press **◀▶** to select "Yes", and then press **ENTER**.

View Mode

You can set the picture size for when the TV is turned on.

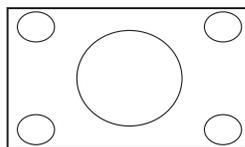
1 Press **VIEW MODE**.
• The View Mode menu displays.

2 Press **VIEW MODE** or **▲/▼** while the View Mode menu is still on the screen.
• You can sequentially select a View Mode that has its own aspect ratio.



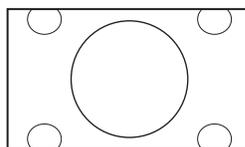
Side Bar:

Suitable for viewing conventional 4:3 programs in their normal format.



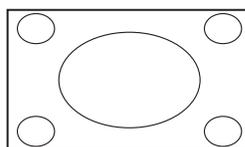
S.Stretch (Smart stretch):

Suitable for stretching 4:3 programs to fill the screen.



Zoom:

Suitable for viewing wide-screen 2.35:1 anamorphic DVDs in full screen.



Stretch:

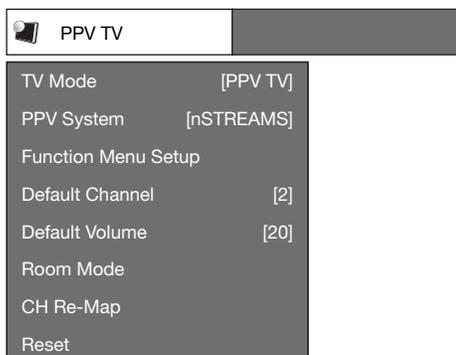
This mode is useful for 1.78:1 DVDs.
When viewing 1.85:1 DVDs, stretch mode will still show very thin black bands at the top and bottom of the screen.

You can set other menu items, such as Brightness, in the PPV TV mode. (See pages 41 to 67.)

When you are finished setting the menu items, perform steps 3 to 8 on page 7 to complete the storing and transferring of the data to the TV.

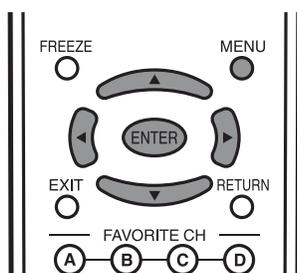
Quick setup for nSTREAMS users

For quick setup, use the remote control unit to perform the following operations. Before the setup, press **MASTER** on the Remote Replicator to turn on the TV in the MASTER mode.



PPV System

Sets the Pay Per View system.



- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select "PPV TV".
- 3 Press **▲/▼** to select "PPV System", and then press **ENTER**.
- 4 Press **▲/▼** to select "nSTREAMS", and then press **ENTER**.
 - The TV will automatically turn off. Press **MASTER** on the Remote Replicator to turn on the TV again.

Function Menu Setup

You can select the menu items to display on the Function menu. (See page 30.) The Function menu can be displayed by pressing the FUNCTION button on the nSTREAMS remote control unit.

- 1 Repeat steps 1 and 2 in **PPV System**.
- 2 Press **▲/▼** to select "Function Menu Setup", and then press **ENTER**.
- 3 Press **▲/▼** to select the desired item, and then press **ENTER** to select "On" or "Off".

Selected item	Description
Language	You can select a language from English, French and Spanish for On Screen Display. (See page 30.)
View Mode	You can select the screen size. (See page 30.)
Input Select	You can select the input source. (See page 30.)
Parental CTRL	You can set the secret number. (See pages 62 to 67.)

- 4 Press **MENU** to exit.

NOTE

- Parental CTRL setting from the hotel server has priority over the TV setting.

Default Channel

Sets the default channel.

- 1 Repeat steps 1 and 2 in **PPV System**.
- 2 Press **▲/▼** to select "Default Channel", and then press **ENTER**.
- 3 Press **▲/▼** to select "Analog/Digital", and then press **ENTER**.
- 4 Press **◀/▶** to select "Analog" or "Digital", and then press **ENTER**.
- 5 Press **▲/▼** to select "Analog" or "Digital", and then press **ENTER**.
- 6 Input the default channel number by using **0 – 9**, and then press **ENTER**.
 - The channel number is based on the physical number, and it may be different from the displayed channel number specified by the hotel server.
- 7 Press **MENU** to exit.

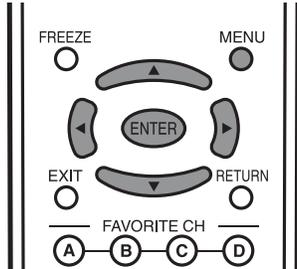
NOTE

- Default Channel setting from the hotel server has priority over the TV setting when the TV is connected to the PPV terminal box (ONLINE).
- The TV returns to the default channel when the TV is turned on and is not connected to the PPV terminal box (STAND ALONE).

Quick setup for nSTREAMS users

Default Volume

Sets the default volume or turns the Auto adjustment on or off for when the TV is turned on. The Auto adjustment sets the volume to a suitable level depending on the previously used volume setting.



1 Press **MENU** and the MENU screen displays.

2 Press **◀/▶** to select “PPV TV”.

3 Press **▲/▼** to select “Default Volume”, and then press **ENTER**.

4 Press **▲/▼** to select “Volume” or “Auto adjustment”.

5 For “Volume”, press **◀/▶** to set the default volume.
For “Auto adjustment”, press **◀/▶** to select “On” or “Off”.

6 Press **MENU** to exit.

NOTE

- Default Volume setting from the hotel server has priority over the TV setting.
- For resetting all Default Volume adjustment items to the factory preset values, select “Reset” in step 4, and then press **ENTER**.

Room Mode

You can set “Maximum Volume”, “R/C Buttons”, “TV Buttons” and “TV INPUT Button” for the ROOM mode. previously used volume setting.

1 Repeat steps 1 and 2 in **Default Volume**.

2 Press **▲/▼** to select “Room Mode”, and then press **ENTER**.

3 Press **▲/▼** to select the desired item, and then press **ENTER**.

4 For “Maximum Volume”, press **◀/▶** to set the volume.
For “R/C Buttons”, “TV Buttons” and “TV INPUT Button”, press **◀/▶** to select “Respond” or “No Respond”, and then press **ENTER**.

Selected item	Description
Maximum Volume	Set the maximum volume in the ROOM mode.
R/C Buttons	Select “Respond” to enable or “No Respond” to disable the functions of the remote control unit.
TV Buttons	Select “Respond” to enable or “No Respond” to disable the functions of the TV buttons.
TV INPUT Button	Select “Respond” to enable or “No Respond” to disable the functions of the INPUT button on the TV.

5 Press **MENU** to exit.

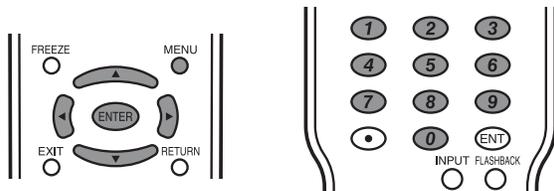
NOTE

- Maximum Volume setting from the hotel server has priority over the TV setting.
- When you set the Maximum Volume lower than the Default Volume, the Default Volume setting will be automatically set to the same level as the Maximum Volume.
- Some buttons on the remote control unit will not work in the ROOM mode even though “R/C Buttons” is set to “Respond”.
- Depending on the Room Mode setting, press **MASTER** or **ROOM** on the Remote Replicator to turn on or turn off the TV.
- “TV INPUT Button” is grayed out when “TV Buttons” is set to “No Respond”.
- For resetting all Room Mode adjustment items to the factory preset values, select “Reset” in step 3.

Quick setup for nSTREAMS users

CH Re-Map

Sets the channel order (logical channel) to your preferred order.



1 Press **MENU** and the MENU screen displays.

2 Press **◀▶** to select "PPV TV".

3 Press **▲▼** to select "CH Re-Map", and then press **ENTER**.

4 Press **▲▼** to select "CH Set", and then press **ENTER**.

5 Press **▲▼/◀▶** to select the Logical CH you want to set, and then press **ENTER**.

6 Press **▲▼** to select "ANALOG", "DIGITAL" or the desired input source, and then press **ENTER**.

When you select "ANALOG" or "DIGITAL", input the channel number by using **0-9**, and then press **ENTER**.

- Select "Reset" for resetting the channel to the factory preset value.
- When you input digital channels with a single number after the dot, input **0** after the dot.

(e. g., **Channel 22.1**):

Press **0→2→2→0→1→ENTER**

7 Repeat the steps 5 and 6 until all desired logical channels are set.

8 Press **MENU** to exit.

NOTE

- For resetting all logical channels to the factory preset values, select "CH Reset All" in step 4, press **◀▶** to select "Yes", and then press **ENTER**.

View Mode

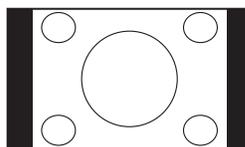
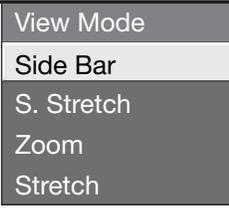
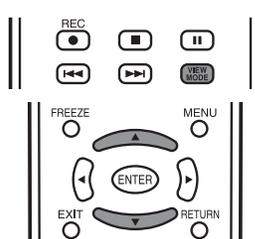
You can set the picture size for when the TV is turned on.

1 Press **VIEW MODE**.

- The View Mode menu displays.

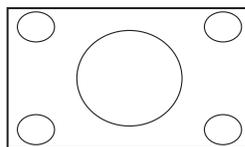
2 Press **VIEW MODE** or **▲/▼** while the View Mode menu is still on the screen.

- You can sequentially select a View Mode that has its own aspect ratio.



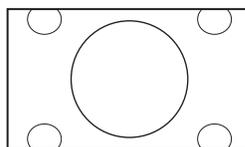
Side Bar:

Suitable for viewing conventional 4:3 programs in their normal format.



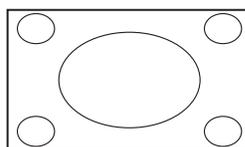
S.Stretch (Smart stretch):

Suitable for stretching 4:3 programs to fill the screen.



Zoom:

Suitable for viewing wide-screen 2.35:1 anamorphic DVDs in full screen.



Stretch:

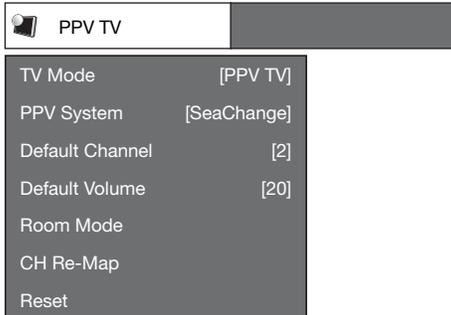
This mode is useful for 1.78:1 DVDs. When viewing 1.85:1 DVDs, stretch mode will still show very thin black bands at the top and bottom of the screen.

You can set other menu items, such as Brightness, in the PPV TV mode. (See pages 41 to 67.)

When you are finished setting the menu items, perform steps 3 to 8 on page 7 to complete the storing and transferring of the data to the TV.

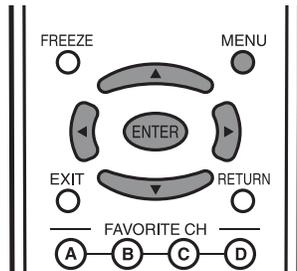
Quick setup for SeaChange users

For quick setup, use the remote control unit to perform the following operations. Before the setup, press **MASTER** on the Remote Replicator to turn on the TV in the MASTER mode.



PPV System

Sets the Pay Per View system.



- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select "PPV TV".
- 3 Press **▲/▼** to select "PPV System", and then press **ENTER**.
- 4 Press **▲/▼** to select "SeaChange", and then press **ENTER**.
 - The TV will automatically turn off. Press **MASTER** on the Remote Replicator to turn on the TV again.

Default Channel

Sets the default channel.

- 1 Repeat steps 1 and 2 in **PPV System**.
- 2 Press **▲/▼** to select "Default Channel", and then press **ENTER**.
- 3 Press **▲/▼** to select "Analog/Digital", and then press **ENTER**.
- 4 Press **◀/▶** to select "Analog" or "Digital", and then press **ENTER**.
- 5 Press **▲/▼** to select "Analog" or "Digital", and then press **ENTER**.
- 6 Input the default channel number by using **0 – 9**, and then press **ENTER**.
 - The channel number is based on the physical number, and it may be different from the displayed channel number specified by the hotel server.
- 7 Press **MENU** to exit.

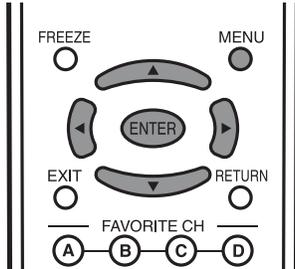
NOTE

- Default Channel setting from the hotel server has priority over the TV setting when the TV is connected to the PPV terminal box (ONLINE).
- The TV returns to the default channel when the TV is turned on and is not connected to the PPV terminal box (STAND ALONE).

Quick setup for SeaChange users

Default Volume

Sets the default volume or turns the Auto adjustment on or off for when the TV is turned on. The Auto adjustment sets the volume to a suitable level depending on the previously used volume setting.



1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “PPV TV”.

3 Press ▲/▼ to select “Default Volume”, and then press **ENTER**.

4 Press ▲/▼ to select “Volume” or “Auto adjustment”.

5 For “Volume”, press ◀/▶ to set the default volume.
For “Auto adjustment”, press ◀/▶ to select “On” or “Off”.

6 Press **MENU** to exit.

NOTE

- Default Volume setting from the hotel server has priority over the TV setting.
- For resetting all Default Volume adjustment items to the factory preset values, select “Reset” in step 4, and then press **ENTER**.

Room Mode

You can set “Maximum Volume”, “R/C Buttons”, “TV Buttons” and “TV INPUT Button” for the ROOM mode.

1 Repeat steps 1 and 2 in **Default Volume**.

2 Press ▲/▼ to select “Room Mode”, and then press **ENTER**.

3 Press ▲/▼ to select the desired item, and then press **ENTER**.

4 For “Maximum Volume”, press ◀/▶ to set the volume.
For “R/C Buttons”, “TV Buttons” and “TV INPUT Button”, press ◀/▶ to select “Respond” or “No Respond”, and then press **ENTER**.

Selected item	Description
Maximum Volume	Set the maximum volume in the ROOM mode.
R/C Buttons	Select “Respond” to enable or “No Respond” to disable the functions of the remote control unit.
TV Buttons	Select “Respond” to enable or “No Respond” to disable the functions of the TV buttons.
TV INPUT Button	Select “Respond” to enable or “No Respond” to disable the functions of the INPUT button on the TV.

5 Press **MENU** to exit.

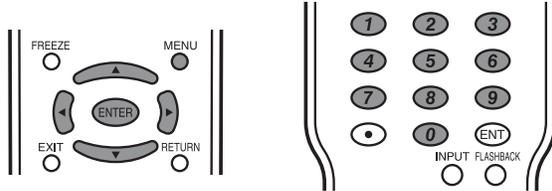
NOTE

- Maximum Volume setting from the hotel server has priority over the TV setting.
- When you set the Maximum Volume lower than the Default Volume, the Default Volume setting will be automatically set to the same level as the Maximum Volume.
- Some buttons on the remote control unit will not work in the ROOM mode even though “R/C Buttons” is set to “Respond”.
- Depending on the Room Mode setting, press **MASTER** or **ROOM** on the Remote Replicator to turn on or turn off the TV.
- “TV INPUT Button” is grayed out when “TV Buttons” is set to “No Respond”.
- For resetting all Room Mode adjustment items to the factory preset values, select “Reset” in step 3.

Quick setup for SeaChange users

CH Re-Map

Sets the channel order (logical channel) to your preferred order.



- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀▶** to select "PPV TV".
- 3 Press **▲▼** to select "CH Re-Map", and then press **ENTER**.
- 4 Press **▲▼** to select "CH Set", and then press **ENTER**.
- 5 Press **▲▼/◀▶** to select the Logical CH you want to set, and then press **ENTER**.
- 6 Press **▲▼** to select "ANALOG", "DIGITAL" or the desired input source, and then press **ENTER**.
When you select "ANALOG" or "DIGITAL", input the channel number by using **0 - 9**, and then press **ENTER**.
 - Select "Reset" for resetting the channel to the factory preset value.
 - When you input digital channels with a single number after the dot, input **0** after the dot.
(e. g., **Channel 22.1**):
Press **0→2→2→0→1→ENTER**
- 7 Repeat the steps 5 and 6 until all desired logical channels are set.
- 8 Press **MENU** to exit.

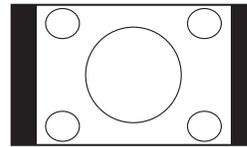
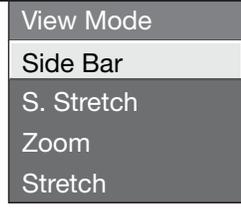
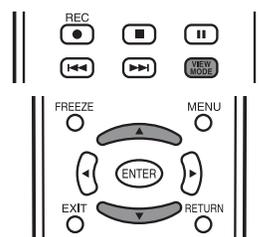
NOTE

- For resetting all logical channels to the factory preset values, select "CH Reset All" in step 4, press **◀▶** to select "Yes", and then press **ENTER**.

View Mode

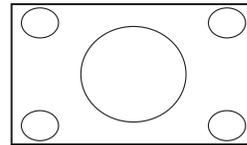
You can set the picture size for when the TV is turned on.

- 1 Press **VIEW MODE**.
 - The View Mode menu displays.
- 2 Press **VIEW MODE** or **▲/▼** while the View Mode menu is still on the screen.
 - You can sequentially select a View Mode that has its own aspect ratio.



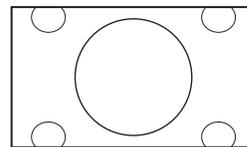
Side Bar:

Suitable for viewing conventional 4:3 programs in their normal format.



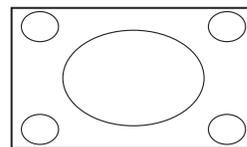
S.Stretch (Smart stretch):

Suitable for stretching 4:3 programs to fill the screen.



Zoom:

Suitable for viewing wide-screen 2.35:1 anamorphic DVDs in full screen.



Stretch:

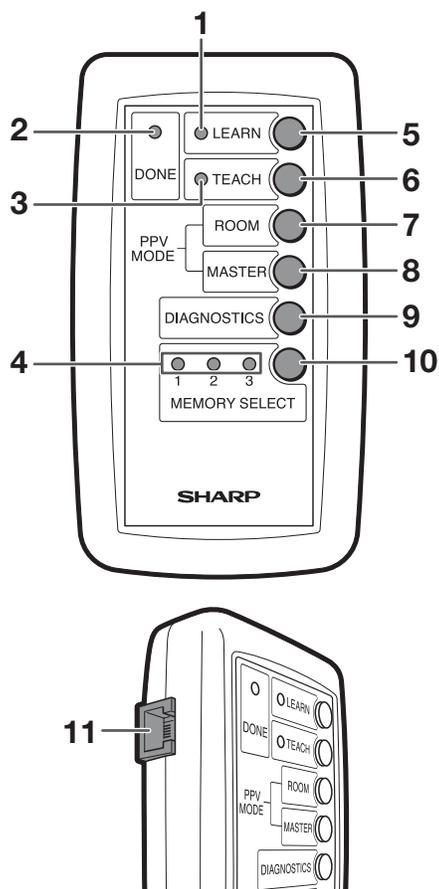
This mode is useful for 1.78:1 DVDs. When viewing 1.85:1 DVDs, stretch mode will still show very thin black bands at the top and bottom of the screen.

You can set other menu items, such as Brightness, in the PPV TV mode. (See pages 41 to 67.)

When you are finished setting the menu items, perform steps 3 to 8 on page 7 to complete the storing and transferring of the data to the TV.

Remote Replicator

Part names



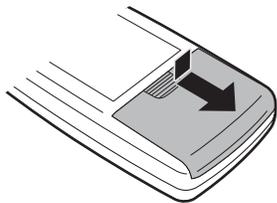
- 1 **LEARN indicator:** Lights up while storing the TV settings from the TV to the Remote Replicator.
- 2 **DONE indicator:** Lights up when storing or transferring is finished.
- 3 **TEACH indicator:** Lights up while transferring the TV settings from the Remote Replicator to the TV.
- 4 **MEMORY SELECT indicator:** Indicates which memory bank is selected.
- 5 **LEARN button:** Store the TV settings from the TV to the Remote Replicator.
- 6 **TEACH button:** Transfer the TV settings from the Remote Replicator to the TV.
- 7 **ROOM button:** The TV turns off and enters the ROOM mode when the TV is in the MASTER mode. You can turn on or off the TV when the TV is in the ROOM mode.
- 8 **MASTER button:** The TV is turned on and enters the MASTER mode when the TV is turned off. The menu screen displays when the TV is turned on in the MASTER mode or the ROOM mode. The TV is turned off and enters the PPV TV mode when the TV is in the Normal TV mode.
- 9 **DIAGNOSTICS button:** Perform operational tests.
- 10 **MEMORY SELECT button:** Select the memory bank to store or transfer data.
- 11 **TRANSPORT (RJ-11) connector:** Connect to the TV when storing or transferring the data.

NOTE

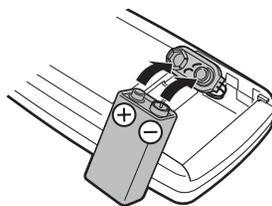
- When using the Remote Replicator, point it at the TV.
- The TRANSPORT (RJ-11) connector is designed for hotel communication. Do not use it for other purposes.

Inserting the battery

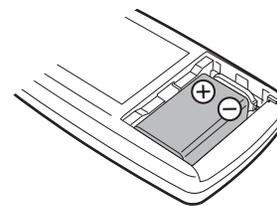
- 1 Open the battery cover.



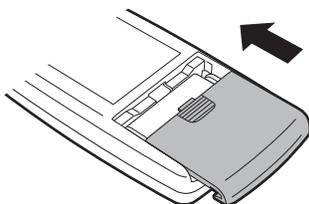
- 2 Attach a commercially available 9V battery.



- 3 Insert the battery.



- 4 Close the battery cover.



- Connect the +/– terminals of the battery to the battery connector of the Remote Replicator.

NOTE

- See page 32 for the details on the Remote Replicator and the battery.

Remote Replicator

Storing the settings from the TV

- 1 Connect the TRANSPORT (RJ-11) connector of the Remote Replicator to the TRANSPORT terminal of the TV (TV with the master settings) with the supplied RJ-11 cable.
- 2 Press **MEMORY SELECT** to select the memory bank.
- 3 Press **LEARN**.
 - When the TV is off, the TV will not respond when **LEARN** is pressed.
- 4 The data transfer process is displayed on the screen.
- 5 The DONE indicator lights up and a message is displayed on the screen after the data storage is complete.

Transferring the settings to the TV

- 1 Connect the TRANSPORT (RJ-11) connector of the Remote Replicator to the TRANSPORT terminal of the TV (TV to be cloned) with the supplied RJ-11 cable.
- 2 Press **MEMORY SELECT** to select the memory bank.
- 3 Press **TEACH**.
 - When the TV is off, the TV will not respond when **TEACH** is pressed.
- 4 The data transfer process is displayed on the screen.
- 5 The DONE indicator lights up and a message is displayed on the screen after the data transfer is complete.

NOTE

- After performing **TEACH** while in Normal TV Mode, wait until the power is completely off. To turn the power on again after performing **TEACH**, wait approximately 15 seconds after the TV enters Standby Mode (dark screen). Then turn the power on.

Storing the settings from the TV (for NXTV users only)

- 1 Press **MASTER** to turn on the TV in the MASTER mode.
- 2 Press **TEACH**.
 - A message appears, and then disappears in a few seconds.
- 3 Repeat steps 1 to 5 in **Storing the settings from the TV**.
 - When you connect the Remote Replicator to the TV, use the supplied RJ-11 cable, not the cable connected to the PPV terminal box.

Transferring the settings to the TV (for NXTV users only)

- 1 Press **MASTER** to turn on the TV in the MASTER mode.
- 2 Press **TEACH**.
 - A message appears, and then disappears in a few seconds.
- 3 Repeat steps 1 to 5 in **Transferring the settings to the TV**.
 - When you connect the Remote Replicator to the TV, use the supplied RJ-11 cable, not the cable connected to the PPV terminal box.

Configuration memory banks

Three different full TV configuration setups can be stored in the Remote Replicator simultaneously. This allows different TV configurations to be taught to different TVs without having to perform the learning procedure over again.

- 1 Press **MEMORY SELECT**.
- 2 Each time you press **MEMORY SELECT**, the MEMORY SELECT indicator switches between memory banks.

DIAGNOSTICS mode (PPV TV only)

Press **DIAGNOSTICS** to perform the operational tests as shown below.

- Checks the connection between the TV and the PPV terminal box
- Displays the software version
- Switches to the default channel

NOTE

- When the TV is off, the TV will automatically turn on and display the result of test after pressing **DIAGNOSTICS**.
- DIAGNOSTICS mode is not available for NXTV users.
- Cannot be used while in Normal TV Mode.

Remote Replicator

NOTE

Notes on using the Remote Replicator while in Normal TV Mode

- The data from performing LEARN while in Normal TV Mode cannot be used when performing TEACH while in PPV TV Mode. Perform TEACH after switching to Normal TV Mode. (Also, data in the Remote Replicator from performing LEARN while in PPV TV Mode cannot be used when performing TEACH while in Normal TV Mode. Perform TEACH after switching to PPV TV Mode.)
- Select TV Mode as the viewed Input Source when performing LEARN/TEACH while in Normal TV Mode. (When viewing the Input 1-5 external input mode, LEARN/TEACH cannot be performed.)
- When LEARN/TEACH is performed in Normal TV Mode, the analog and digital (Air, Cable) channel lists will be copied. Channel SKIP settings will also be copied. For digital channel lists, the maximum number of channels that can be copied is 300. (The channels made available from Channel Search or tuning channels in the source TV of the copied channel list will all be copied. After copying, all the channels that could be tuned in the source TV will be tunable.)
- There are some menu setting parameters that cannot be copied. Fine Sync. Adjustment (page 53), Input Signal (page 59), Audio only (page 58), and AV Mode User (page 59) setting parameters cannot be copied. (Amongst the User settings, the currently viewed Input Source parameters can be copied.)

Other settings for the PPV TV mode

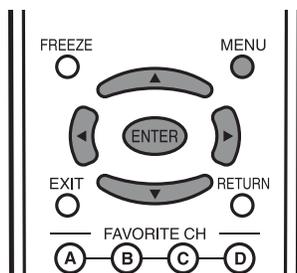
PPV TV menu

The PPV TV menu displays when MENU on the remote control unit is pressed, and the TV is in the PPV TV mode.

See below for “TV Mode”, and see page 9 to 25 for the other menu items.

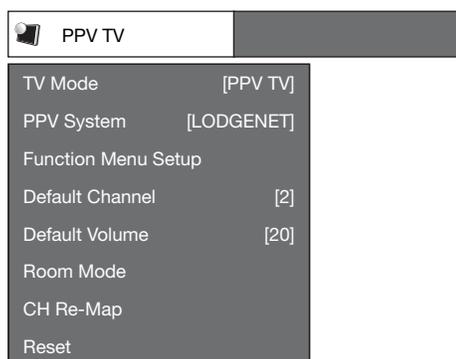
TV Mode

Sets the TV to the Normal TV mode.



1 Press **MENU** and the MENU screen displays.

2 Press **◀/▶** to select “PPV TV”.



3 Press **▲/▼** to select “TV Mode”, and then press **ENTER**.

4 Press **◀/▶** to select “Normal TV”, and then press **ENTER**.

- When you select “Normal TV”, enter “2433” for the password, and then the TV will automatically turn off after the message. The TV enters the Normal TV mode when it is turned on again.

Selected item	Description
PPV TV	Sets and adjusts the TV, and communicates with the PPV terminal box.
Normal TV	Functions as a normal TV.

NOTE

- Press **MASTER** or **ROOM** on the Remote Replicator to return to the PPV TV mode from the Normal TV mode

Reset

All of the TV settings such as “Picture”, “Audio” and “Input Label” will return to the factory presets after performing “Reset” in the PPV TV mode. The Remote Replicator only stores the TV settings that differ from the factory presets. To transfer the data to other TVs faster, perform “Reset”, and then set up the TV settings.

1 Repeat steps 1 and 2 in **TV Mode**.

2 Press **▲/▼** to select “Reset”, and then press **ENTER**.

3 Press **◀/▶** to select “Yes”, and then press **ENTER**.

4 Press **MENU** to exit.

Other settings for the PPV TV mode

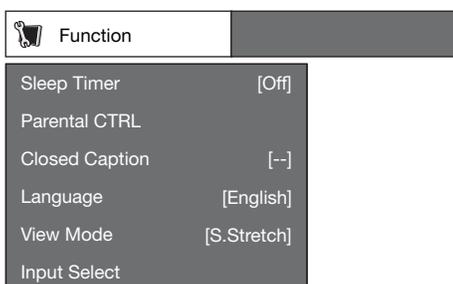
Function menu (for LODGENET and nSTREAMS users only)

You can display the Function menu by pressing the **FUNCTION** button on the LODGENET or nSTREAMS remote control unit. The Function menu items displayed such as "Parental CTRL", "Language", "View Mode" and "Input Select" depend on the Function Menu Setup.

Use the LODGENET or nSTREAMS remote control unit for the following operations.

1 Press **FUNCTION** to display the Function menu.

2 Press **◀/▶** to select "Function".



3 Press **▲/▼** to select the desired menu item, and then press **SELECT**.

- The items in the Function menu depend on the Function Menu Setup.

4 Perform the steps below for each item.

Selected item	Description
Sleep Timer	Press ▲/▼ to select the desired setting, and then press SELECT .
Parental CTRL	See pages 62 to 67.
Closed Caption	Press SELECT to select the desired setting.
Language	Press ▲/▼ to select the desired language, and then press SELECT .
View Mode	Press ▲/▼ to select the desired screen size, and then press SELECT .
Input Select	Press ▲/▼ to select the desired input source, and then press SELECT .

4 Press **FUNCTION** to exit.

NOTE

- Parental CTRL may not be available when the hotel server commands not to display the Parental CTRL menu.
- Sleep Timer and Parental CTRL settings are effective for 24 hours. The other settings will be canceled when the TV is turned off.

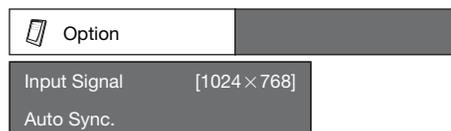
Option menu (for LODGENET and nSTREAMS users only)

You can display the Option menu by pressing the **FUNCTION** button on the LODGENET or nSTREAMS remote control unit when the TV is connected to a PC-IN equipment and "INPUT6" is selected from the INPUT SOURCE menu (see page 52).

Use the LODGENET or nSTREAMS remote control unit for the following operations.

1 Press **FUNCTION** to display the Option menu.

2 Press **◀/▶** to select "Option".



3 Press **▲/▼** to select the desired menu item, and then press **SELECT**.

4 Perform the steps below for each item.

Selected item	Description
Input Signal	Press ▲/▼ to select the desired input signal, and then press SELECT .
Auto Sync.	Press ◀/▶ to select "Yes", and then press SELECT .

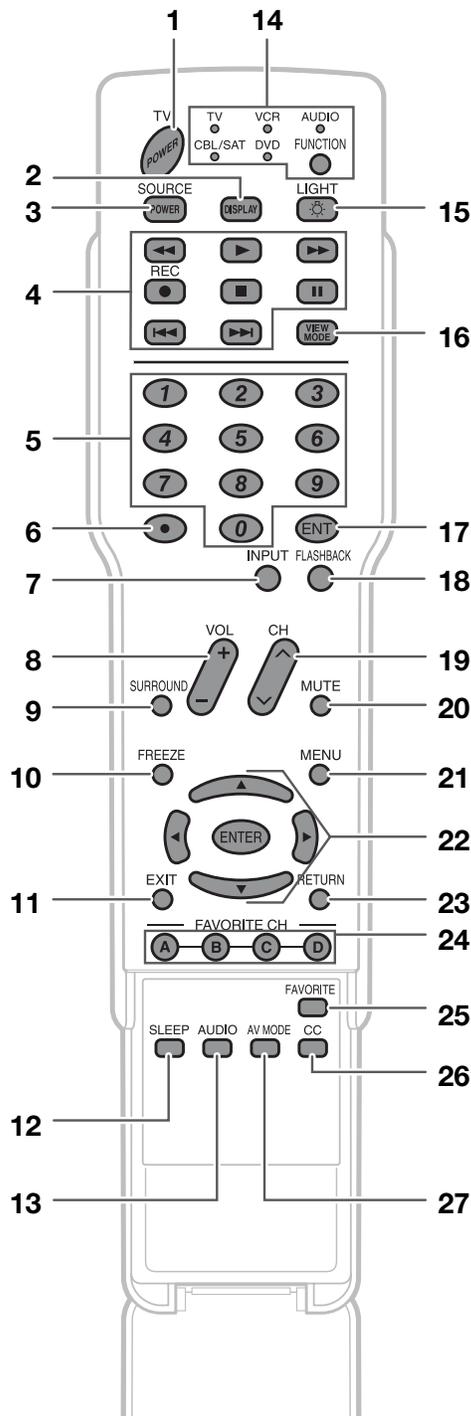
5 Press **FUNCTION** to exit.

NOTE

- "Input Signal" and "Auto Sync." are grayed out when "Input Select" is set to "DIGITAL".

Remote control unit

Part names



- 1 **TV POWER:** Switches the TV power on or enters standby. (See page 35.)
- 2 **DISPLAY:** Displays the channel information.
- 3 **SOURCE POWER:** Turns the power of the external equipment on and off.
- 4 **External equipment operational buttons:** Operates the external equipment.
- 5 **0 – 9:** Sets the channel. (See page 37.)
- 6 **• (DOT):** (See pages 37 and 70)
- 7 **INPUT:** Selects a TV input source. (TV, INPUT 1, INPUT 2, INPUT 3, INPUT 4, INPUT 5, INPUT 6) (See pages 51.)
- 8 **VOL +/-:** Sets the volume. (See page 38.)
- 9 **SURROUND:** Selects Surround settings. (See page 38.)
- 10 **FREEZE:** Sets the still image. Press again to return to normal screen. (See page 68.)
- 11 **EXIT:** Turns off the menu screen.
- 12 **SLEEP:** Sets the sleep timer. (See page 55.)
- 13 **AUDIO:** Selects the MTS/SAP or the audio mode during multi-channel audio broadcasts. (See page 39.)
- 14 **FUNCTION:** Switches the remote control unit for TV, CBL/SAT, VCR, DVD and AUDIO operation. Indicator lights up for the current mode. (See pages 68 to 71 for details.)
* To enter the code registration mode, you need to press **FUNCTION** and **DISPLAY** at the same time.
- 15 **LIGHT** : When pressed all buttons on the remote control unit will light. The lighting will turn off if no operations are performed within about 5 seconds. This button is used for performing operations in low-light situations.
- 16 **VIEW MODE:** Selects the screen size. (See pages 56 and 57.)
- 17 **ENT:** Jumps to a channel after selecting with the **0–9** buttons.
- 18 **FLASHBACK:** Returns to the previous channel or external input mode. (See page 37.)
- 19 **CH** : Selects the channel. (See page 37.)
- 20 **MUTE:** Mutes the sound. (See page 38.)
- 21 **MENU:** Displays the menu screen.
- 22 **▲/▼/◀/▶/ENTER:** Selects a desired item on the screen.
- 23 **RETURN:** Returns to the previous menu screen.
- 24 **FAVORITE CH**
A, B, C, D: Selects 4 preset favorite channels in 4 different categories. (See page 46 for details.)
While watching, you can toggle the selected channels by pressing A, B, C and D.
- 25 **FAVORITE:** Set the favorite channels. (See page 46.)
- 26 **CC:** Displays captions from a closed-caption source. (See page 60.)
- 27 **AV MODE:** Selects an audio or video setting.
(When the input source is TV, INPUT 1, 2 or 3: STANDARD, MOVIE, GAME, USER, DYNAMIC (Fixed), DYNAMIC. When the input source is INPUT 4, 5 or 6: STANDARD, MOVIE, GAME, PC, USER, DYNAMIC (Fixed), DYNAMIC) (See page 59.)

NOTE

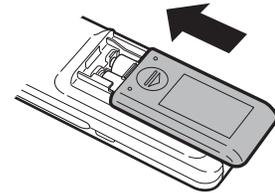
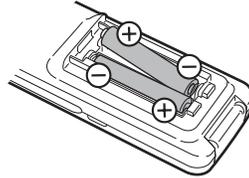
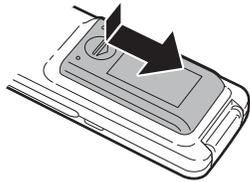
- When using the remote control unit, point it at the TV.
- The buttons on the remote control unit may not function depending on the Room Mode setting. (See page 6.)

Remote control unit

Inserting the batteries

If the remote control unit fails to operate TV functions, replace the batteries in the remote control unit.

- 1 Open the battery cover.
- 2 Insert two “AAA” size batteries (supplied with the product).
- 3 Close the battery cover.



- Place the batteries with their terminals corresponding to the (+) and (-) indications in the battery compartment.

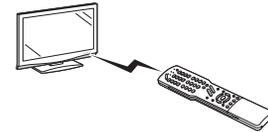
CAUTION

Improper use of batteries can result in chemical leakage or explosion. Be sure to follow the instructions below.

- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they are worn out. Chemicals that leak from batteries that come in contact with skin can cause a rash. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not be using the remote control unit for an extended period of time, remove batteries from it.

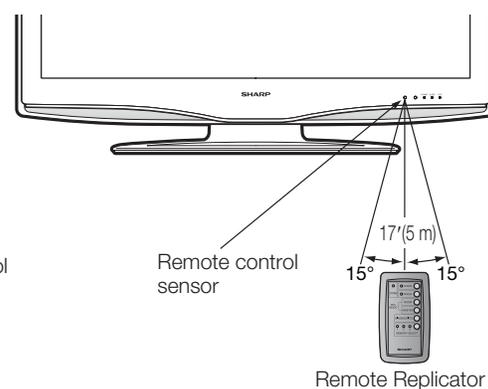
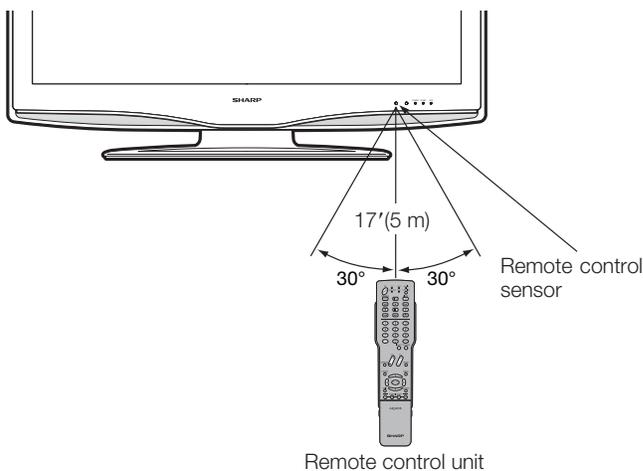
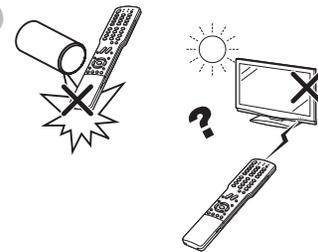
Using the remote control unit

Use the remote control unit (Remote Replicator) by pointing it towards the remote control sensor on the TV. Objects between the remote control unit (Remote Replicator) and the remote control sensor may prevent proper operation.



Cautions regarding the remote control unit

- Do not expose the remote control unit (Remote Replicator) to shock. In addition, do not expose the remote control unit (Remote Replicator) to liquids, and do not place in an area with high humidity.
- Do not install or place the remote control unit (Remote Replicator) under direct sunlight. The heat may cause deformation of the remote control unit (Remote Replicator).
- The remote control unit (Remote Replicator) may not work properly if the remote control sensor on the TV is under direct sunlight or strong lighting. In such cases, change the angle of the lighting or the TV, or operate the remote control unit (Remote Replicator) closer to the remote control sensor.



Preparation

You can connect many types of external equipment to your TV like a Blu-ray disc player, HD-DVD player, DVD player, VCR, Digital TV tuner, HDMI equipment, game console or camcorder. To view external source images, select the input source from INPUT on the remote control unit or on the TV. (See pages 51 and 52.)

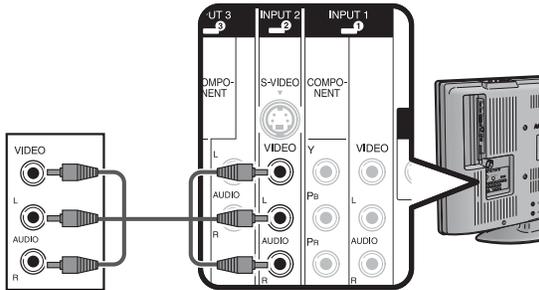
CAUTION

- To protect equipment, always turn off the TV before connecting any external equipment.
- Please read the relevant operation manual (Blu-ray disc player, etc.) carefully before making connections.
- If your Blu-ray disc player offers a choice of output formats, please select 720p for use with this TV.

Connecting a Blu-ray disc player, HD-DVD player, DVD player or a Digital TV STB (Air or Cable)

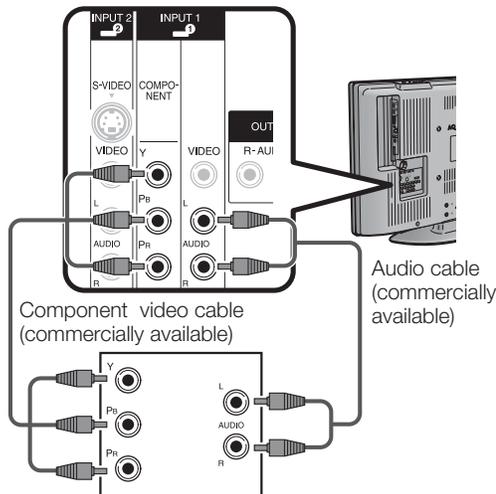
You can use the INPUT 1, INPUT 2 or INPUT 3 terminals when connecting to a Blu-ray disc player, HD-DVD player, DVD player, a Digital TV STB (Air or Cable) and other audiovisual equipment.

When using composite cable (commercially available).



Blu-ray disc player/
HD-DVD player/ DVD
player/Digital TV STB

When using component cable. (INPUT 1 or 2 (LC-42HT3U only))

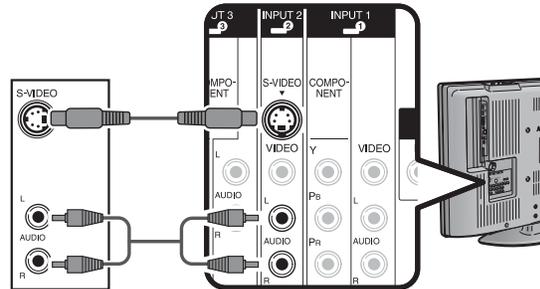


Blu-ray disc player/HD-DVD
player/ DVD player/Digital TV STB

Connecting a VCR, game console or camcorder

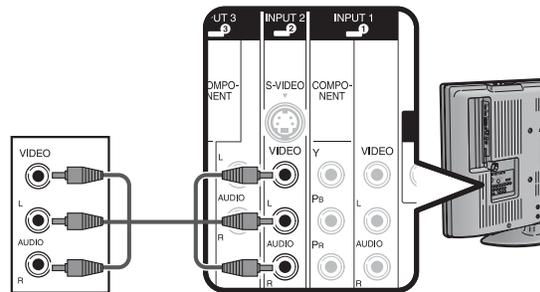
A VCR, game console, camcorder and other audiovisual equipment can be conveniently connected using the INPUT 1 to 3 terminals.

When using S-VIDEO cable (commercially available).



VCR/Game console/
Camcorder

When using composite cable (commercially available).



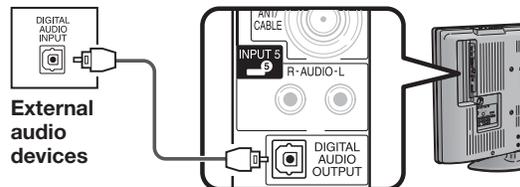
VCR/Game console/
Camcorder

NOTE

- The S-VIDEO terminal takes priority over the video terminals. (INPUT 2 only for LC-32HT2U/LC-37HT3U, INPUT3 only for LC-42HT3U)

Using Digital Audio Output

It is possible to output audio through the DIGITAL AUDIO OUTPUT terminal. (See page 50 for details.) PCM audio outputs from the terminal.



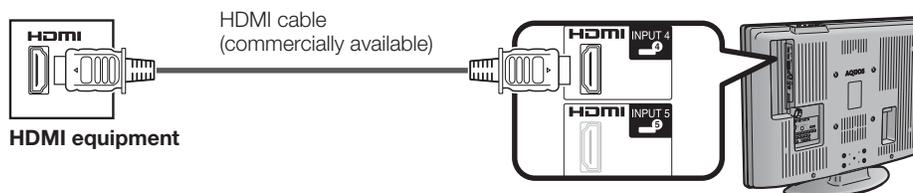
External
audio
devices

Optical fiber cable
(commercially available)

Preparation

Connecting HDMI equipment

You can use the INPUT 4 or INPUT 5 terminal when connecting HDMI equipment.

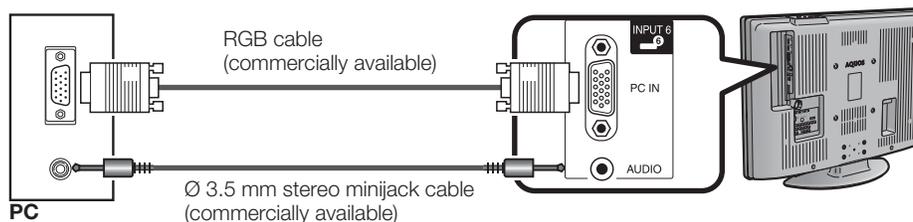


NOTE

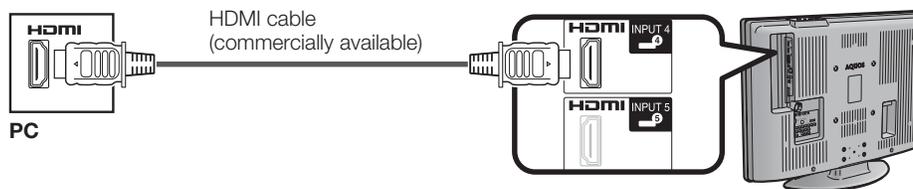
- When using an HDMI-DVI conversion cable, input the audio signal to AUDIO terminal of INPUT 5.
- When receiving an incompatible signal, such as 1080p, the message below appears without the image on the screen.
For an incompatible video signal: "An incompatible video signal has been received. Check the output device settings."
For an incompatible audio signal: "An incompatible audio signal has been received. Check the output device settings."

Connecting a PC

When connecting to a PC with an analog RGB terminal. (INPUT 6)



When connecting to a PC with an HDMI terminal. (INPUT 4 or 5)



NOTE

- The HDMI terminals only support digital signal.

PC compatibility chart

It is necessary to set the PC correctly to display XGA and WXGA signal. Refer to page 59 to set PC input signals.

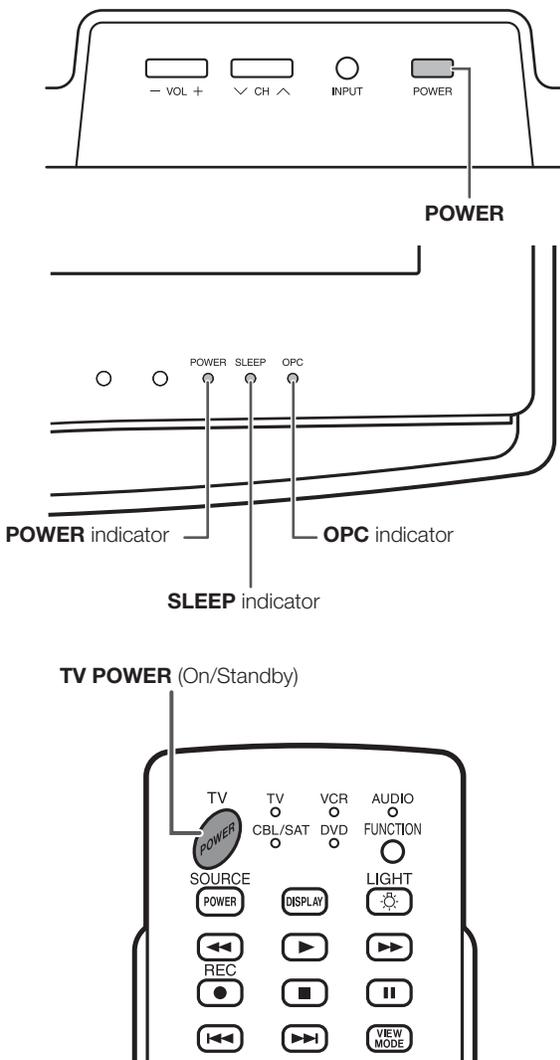
PC	Resolution	Horizontal Frequency	Vertical Frequency	VESA Standard	
PC	VGA	720 x 400	31.5 kHz	70 Hz	—
			31.5 kHz	60 Hz	○
		640 x 480	37.9 kHz	72 Hz	○
			37.5 kHz	75 Hz	○
	SVGA	800 x 600	35.1 kHz	56 Hz	○
			37.9 kHz	60 Hz	○
			48.1 kHz	72 Hz	○
			46.9 kHz	75 Hz	○
	XGA	1024 x 768	48.4 kHz	60 Hz	○
			56.5 kHz	70 Hz	○
			60.0 kHz	75 Hz	○
	WXGA	1360 x 768	47.7 kHz	60 Hz	○

DDC is a registered trademark of Video Electronics Standards Association.
Power Management is a registered trademark of Sun Microsystems, Inc.
VGA and XGA are registered trademarks of International Business Machines Corp.

Watching TV

See page 29 to switch the TV to the Normal TV mode.

Simple operations for watching a TV program



Turning on the power

Press **POWER** on the TV, or **TV POWER** on the remote control unit.

- **POWER** indicator (Green): The TV is on. (After a few seconds, a window appears with sound.)

NOTE

- The initial setup starts after the TV is switched from the PPV TV mode to the Normal TV mode. See page 44 for performing EZ Setup from the Setup menu.
- Depending on the Room Mode setting (see pages 11, 14, 18, 21 and 24), press **MASTER** or **ROOM** on the Remote Replicator to turn on the TV.

Turning off the power

Press **POWER** on the TV, or **TV POWER** on the remote control unit.

- The TV enters standby and the image on the screen disappears.
- The **POWER** indicator on the TV turns off.

NOTE

- If you are not going to use this TV for a long period of time, be sure to remove the AC cord from the power outlet.
- Weak electric power is still consumed even when **POWER** is turned off.
- Depending on the Room Mode setting (see pages 11, 14, 18, 21 and 24), press **MASTER** or **ROOM** on the Remote Replicator to turn off the TV.

TV status indicator (POWER)

ON	Lighting (Green)
OFF/Standby	Lights off

TV status indicator (OPC)

"Off" is selected in OPC setting	Lights off
"On" or "On: Display" is selected in OPC setting	Lighting (Green)

- See page 47 for details.

TV status indicator (SLEEP)

"Off" is selected in SLEEP setting	Lights off
"30", "60", "90" or "120" is selected in SLEEP setting	Lighting (Red)

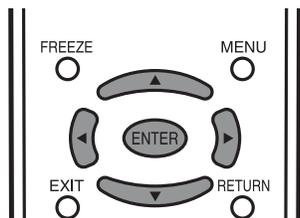
- See page 55 for details.

Watching TV

Initial setup

When you turn on the TV for the first time, it will automatically memorize the broadcasting channels where you live. Perform the following steps before you press **TV POWER** on the remote control unit.

1. Insert the batteries into the remote control unit. (See page 32.)
2. Connect the antenna cable to the TV. (See page 15 of the operation manual for the LC-32HT3U/LC-37HT3U/LC-42HT3U.)



Language setting

Select from among 3 languages: English, French and Spanish.

- 1 Press ▲/▼ to select the desired language listed on the screen, and then press **ENTER**.

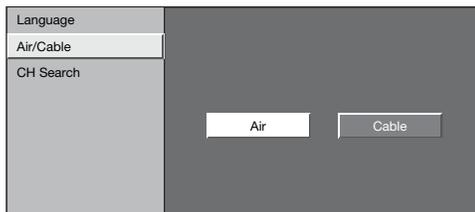


Antenna setting

Make sure what kind of connection is made with your TV when selecting "Air" or "Cable".

- 2 Press ◀/▶ to select "Air" or "Cable". Press **ENTER** to enter the setting.

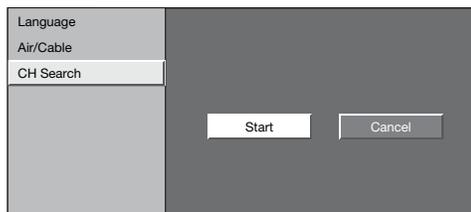
Example



Channel search

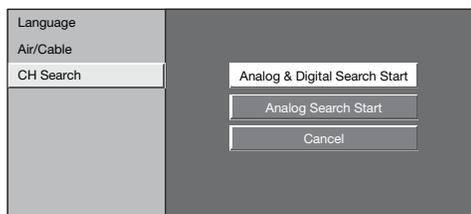
Channel auto search makes the TV look for all channels viewable in the set area..

- 3 When "Air" is selected in Antenna setting: Press ◀/▶ to select "Start", and then press **ENTER**.



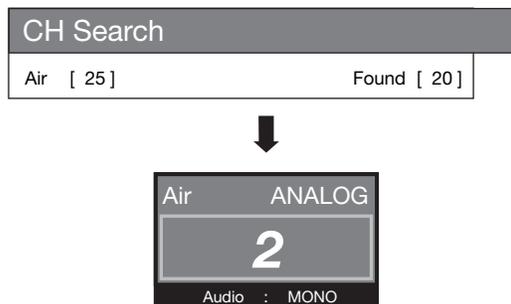
When "Cable" is selected in Antenna setting:

Press ▲/▼ to select "Analog & Digital Search Start" to search both analog and digital broadcasts or "Analog Search Start" to search only analog broadcasts, and then press **ENTER**.



- The Channel search will start automatically.
- To exit the Channel search screen, select "Cancel", and then press **ENTER**.

Example



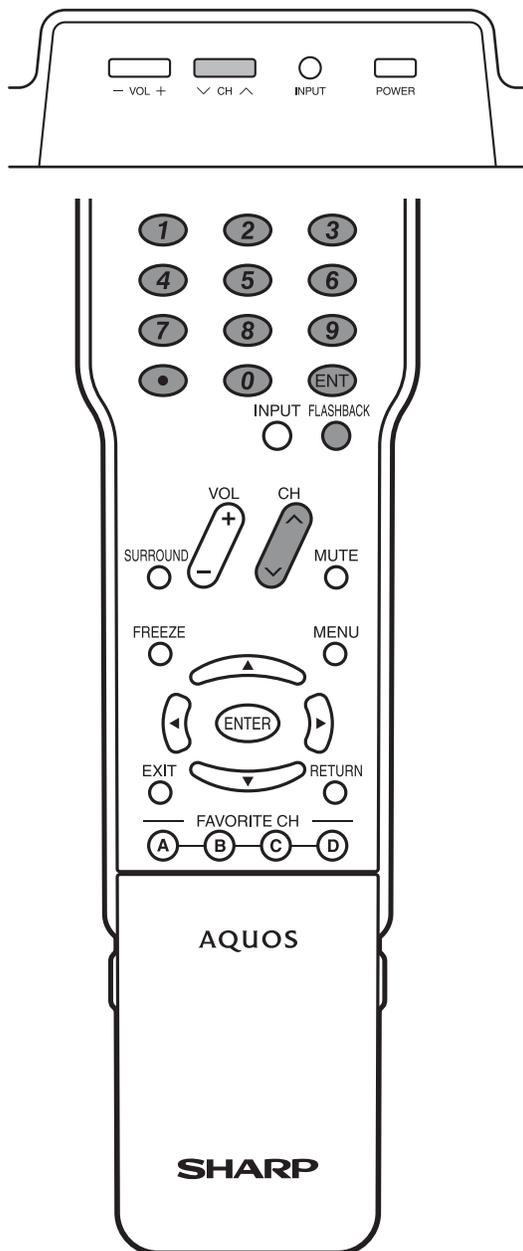
NOTE

- If no channel is found, confirm the type of connection made with your TV and try EZ Setup again. (See page 44.)

Watching TV

Simple button operations for changing channels

You can change channels in several ways.



NOTE

- If you change the channel in the MASTER mode by using **0-9** on the remote control unit of LCD TV when the TV is connected to the PPV terminal box, the terminal transmission is used so the displayed channel number will not match the inputted channel or channel may be changed automatically.

Method 1

Using **CH** \wedge/\vee on the remote control unit or on the TV.

Method 2

- ① Press **FLASHBACK** to switch to the previously tuned channel.
- ② Press **FLASHBACK** again to switch back to the currently tuned channel.

NOTE

- **FLASHBACK** will not work if no channel has been changed after the TV is turned on.

Method 3

Using remote control buttons **0-9**, • (DOT) to select channels for VHF/UHF/CATV/DIGITAL.

To select a 1 or 2-digit channel number (e. g., Channel 5):

Press **5**→**ENT**



NOTE

- When selecting a 1-digit channel number, it is not necessary to press **0** before the number.
- When you enter **0-9** only, channel selection will be made if there is no operation within a few seconds.

To select a 3-digit channel number (e. g., Channel 115):

Press **1**→**1**→**5**



To select a 4-digit channel number (e. g., Channel 22.1):

Press **2**→**2**→• (DOT)→**1**→**ENT**



NOTE

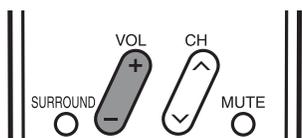
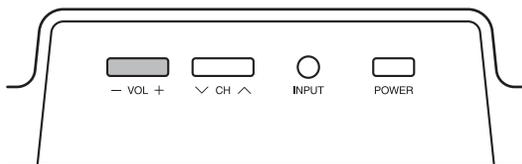
- When you enter **0-9** only, channel selection will be made if there is no operation within a few seconds.
- If you push "0" by itself, nothing will happen.
- Complete the above steps within a few seconds.
- When you enter **0-9** and • (DOT), channel selection will be made if there is no operation within a few seconds.

Watching TV

Simple button operations for changing volume/sound

■ Changing the volume

You can change the volume on the TV or on the remote control unit.



■ Using VOL +/-

- To increase the volume, press **VOL +**.
- To decrease the volume, press **VOL -**.

Volume adjustment



NOTE

- **VOL -/+** on the TV operates the same as **VOL +/-** on the remote control unit.

Audio status

Output device	Output Select	
	Fixed	Variable
Speaker	Variable sound	Mute

* When "Output Select" is set to "Variable", the indicator on the screen changes as shown below.

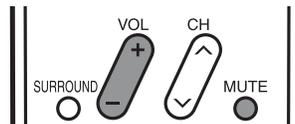


NOTE

- See page 58 for details on the Output Select function.

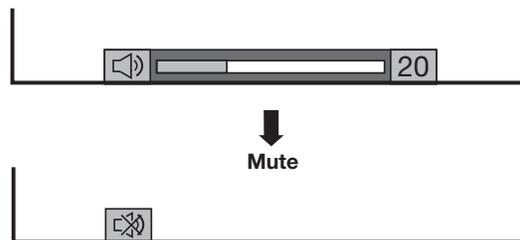
■ Using MUTE on the remote control unit

Mutes the current sound output.



Press **MUTE**.

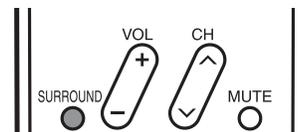
-  will be displayed on the screen for 30 minutes, and the sound is silenced.



NOTE

- Within 30 minutes of pressing **MUTE**, mute can be canceled by using one of the methods below.
 - Mute will be canceled if you press **VOL +/-** or **MUTE**.
- Mute will be canceled after 30 minutes have passed. However, the TV will not suddenly output a loud sound as the volume level is set to 0 automatically.

■ Using SURROUND on the remote control unit



SURROUND produces Surround effect from the speakers. Each time you press **SURROUND**, the mode changes between On and Off.

Surround sound options

On: Makes it possible to enjoy natural, realistic surround sound.

Off: Outputs the normal sound.



NOTE

- You can have the same settings by choosing "Surround" on the menu items. (See page 49.)

Watching TV

Setting MTS/SAP stereo mode

The TV has a feature that allows reception of sound other than the main audio for the program. This feature is called Multi-channel Television Sound (MTS). The TV with MTS can receive mono sound, stereo sound and Secondary Audio Programs (SAP). The SAP feature allows a TV station to broadcast other information, which could be audio in another language or something completely different like weather information.

You can enjoy Hi-Fi stereo sound or SAP broadcasts where available.

- **Stereo broadcasts**

View programs like live sporting events, shows and concerts in dynamic stereo sound.

- **SAP broadcasts**

Receive TV broadcasts in either MAIN or SAP sound. MAIN sound: The normal program soundtrack (either in mono or stereo).

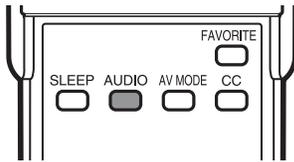
SAP sound: Listen to a second language, supplementary commentary or other information. (SAP is mono sound.)

If stereo sound is difficult to hear.

- Obtain a clearer sound by manually switching to fixed mono-sound mode.

NOTE

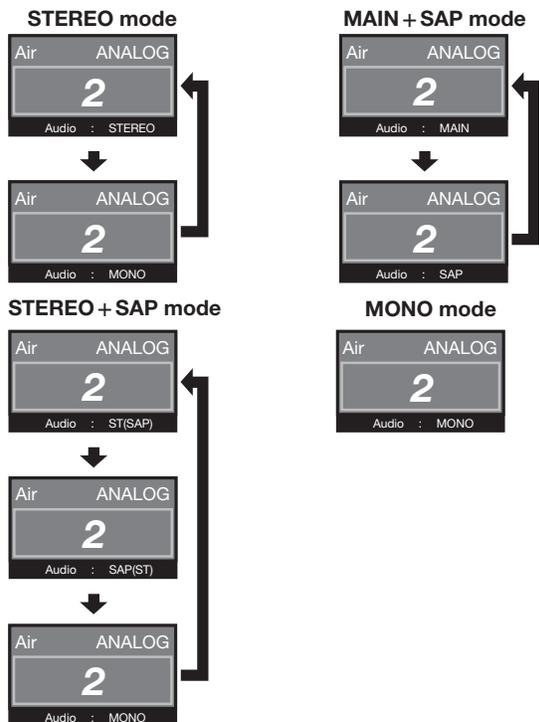
- MTS only operates while in TV mode.



You can change MTS as shown below to match the television broadcast signal.

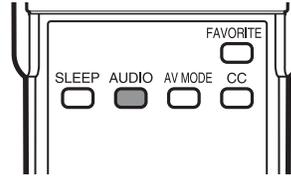
Press **AUDIO** to toggle between audio modes.

Examples: when receiving MTS and SAP



Setting Digital broadcasting audio mode

The types of audio transmitted in a digital broadcast include SURROUND as well as MONO and STEREO. In addition, it is possible for multiple audio tracks to accompany a single video track.



Press **AUDIO** to toggle between audio modes.

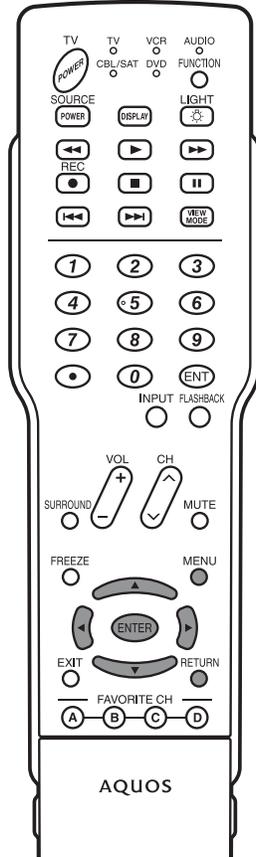
Example: when receiving Digital broadcasting



Basic adjustment settings

Menu operation buttons

Use the following buttons on the remote control to operate the menu.



MENU: Press to open or close the menu screen.

▲/▼/◀/▶: Press to select a desired item on the screen or adjust a selected item.

ENTER: Press to go to the next step or complete the setting.

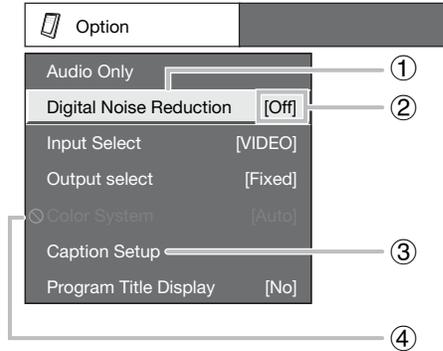
RETURN: Press to return to the previous step.



The bar above is an operational guide for the remote control. The bar will change in accordance with each menu setting screen.

On-Screen Display

Example



- ① Item displayed in yellow
 - This indicates the item currently selected.
 - Press **ENTER** to go to the adjustment screen for this item.
- ② Item in brackets
 - This indicates the current setting for the item.
- ③ Item displayed in white
 - This indicates an item can be selected.
- ④ Item displayed in gray
 - This indicates that the item cannot be selected. There are various reasons why items cannot be selected, but the main reasons are as follows:
 - Nothing is connected to the selected input terminal.
 - The function is not compatible with the current input signal.

NOTE

- Menu options differ in the selected input modes, but the operating procedures are the same.
- The screens in the operation manual are for explanation purposes (some are enlarged, others cropped) and may vary slightly from the actual screens.

Basic adjustment settings

Icons

PPV TV

Indicates the menu item can be set or adjusted in the PPV menu.

NORMAL TV

Indicates the menu item can be set or adjusted in the Normal TV menu.

PPV TV

NORMAL TV

Indicates the menu item can be set or adjusted in both the PPV menu and Normal TV mode.

PPV TV mode menu items (for TV/INPUT 1/INPUT2/INPUT3)

PPV TV

Picture

OPC.....	Page 47
Backlight	Page 47
Contrast	Page 47
Brightness	Page 47
Color	Page 47
Tint	Page 47
Sharpness	Page 47
Advanced	
Color Temp.	Page 48
Black	Page 48
I/P Setting.....	Page 48
Film Mode	Page 48
3D-Y/C	Page 48
Monochrome.....	Page 48
Range of OPC	Page 48
Reset.....	Page 47

Audio

Treble	Page 49
Bass	Page 49
Balance.....	Page 49
Surround.....	Page 49
Reset.....	Page 49

Power Control

No Signal Off.....	Page 50
No Operation Off	Page 50

Setup

EZ Setup.....	Page 44
CH Setup	Page 44
Antenna Setup-DIGITAL.....	Page 45
Input Skip	Page 52
Input Label	Page 55
Position.....	Page 54
Language.....	Page 54

Option

Digital Noise Reduction	Page 58
Color System	Page 58
Caption Setup	Page 61

Digital Setup

Audio Setup.....	Page 50
------------------	---------

PPV TV

TV Mode	Page 29
PPV System.....	Pages 9, 13, 17, 20, 23
Function Menu Setup	Pages 9, 20
Default Channel	Pages 10, 13, 17, 20, 23
Default Volume	Pages 10, 14, 18, 21, 24
Room Mode.....	Pages 11, 14, 18, 21, 24
Label Input	Page 15
CH Re-Map.....	Pages 11, 15, 19, 22, 25
Reset.....	Page 29

For LODGENET and nSTREAMS users only

Function

Sleep Timer	Page 30
Parental CTRL.....	Page 30
Closed Caption	Page 30
Language.....	Page 30
View Mode.....	Page 30
Input Select	Page 30

NOTE

- Some menu items may not be displayed depending on the selected PPV System.

PPV TV mode menu items (for HDMI/PC-IN)

PPV TV

 Picture

OPC.....	Page 47
Backlight	Page 47
Contrast	Page 47
Brightness	Page 47
Color	Page 47
Tint	Page 47
Sharpness	Page 47
Advanced	
Color Temp.	Page 48
Black	Page 48
I/P Setting.....	Page 48
Film Mode	Page 48
Monochrome	Page 48
Range of OPC	Page 48
Reset.....	Page 47

 PPV TV

TV Mode	Page 29
PPV System.....	Pages 9, 13, 17, 20, 23
Function Menu Setup	Pages 9, 20
Default Channel	Pages 10, 13, 17, 20, 23
Default Volume	Pages 10, 14, 18, 21, 24
Room Mode.....	Pages 11, 14, 18, 21, 24
Label Input	Page 15
CH Re-Map.....	Pages 11, 15, 19, 22, 25
Reset.....	Page 29

For LODGENET and nSTREAMS users only

 Audio

Treble	Page 49
Bass	Page 49
Balance.....	Page 49
Surround.....	Page 49
Reset.....	Page 49

 Function

Sleep Timer	Page 30
Parental CTRL.....	Page 30
Closed Caption	Page 30
Language.....	Page 30
View Mode.....	Page 30
Input Select	Page 30

 Power Control

No Signal Off	Page 50
No Operation Off	Page 50

 Option

Input Signal	Page 30
Auto Sync.	Page 30

 Setup

Input Skip	Page 52
Input Signal	Page 59
Auto Sync.	Page 53
Input Label	Page 55
Fine Sync.	Page 53
Position.....	Page 54
Language.....	Page 54

 Option

Digital Noise Reduction	Page 58
HDMI Setup.....	Page 52

 NOTE

- Some menu items may not be displayed depending on the selected PPV System.

NORMAL TV mode menu items

NORMAL TV

For TV/INPUT 1/INPUT 2/INPUT 3

For HDMI/DVI

 **Picture**

 **Picture**

OPC.....	Page 47
Backlight	Page 47
Contrast	Page 47
Brightness	Page 47
Color	Page 47
Tint	Page 47
Sharpness	Page 47
Advanced	
Color Temp.	Page 48
Black	Page 48
I/P Setting	Page 48
Film Mode	Page 48
Monochrome	Page 48
3D-Y/C	Page 48
Range of OPC	Page 48
Reset	Page 47

OPC.....	Page 47
Backlight	Page 47
Contrast	Page 47
Brightness	Page 47
Color	Page 47
Tint	Page 47
Sharpness	Page 47
Advanced	
Color Temp.	Page 48
Black	Page 48
I/P Setting	Page 48
Film Mode	Page 48
Monochrome	Page 48
Range of OPC	Page 48
Reset	Page 47

 **Audio**

 **Audio**

Treble	Page 49
Bass	Page 49
Balance.....	Page 49
Surround.....	Page 49
Reset.....	Page 49

Treble	Page 49
Bass	Page 49
Balance.....	Page 49
Surround.....	Page 49
Reset.....	Page 49

 **Power Control**

 **Power Control**

No Signal Off.....	Page 50
No Operation Off	Page 50

No Signal Off.....	Page 50
No Operation Off	Page 50

 **Setup**

 **Setup**

EZ Setup.....	Page 44
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Antenna Setup-DIGITAL.....	Page 45
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 **Option**

 **Option**

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 **NOTE**

- Some menu items may not be displayed depending on the selected input source.

 **Digital Setup**

Audio Setup.....	Page 50
------------------	---------

Basic adjustment settings

EZ Setup

PPV TV
NORMAL TV

You can run EZ Setup again, even after setting up the preset channels.

Language setting

Select from among 3 languages: English, French and Spanish.

1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Setup".

2 Press **▲/▼** to select "EZ Setup", and then press **ENTER**.

- If you already set the Secret No., go to step 3. If not, skip to step 4.

3 Input the 4-digit secret number by using **0-9**.

4 Press **▲/▼** to select the desired language listed on the screen, and then press **ENTER**.

Antenna setting

Make sure what kind of connection is made with your TV when selecting "Air" or "Cable".

5 Press **◀/▶** to select "Air" or "Cable". Press **ENTER** to enter the setting.

Channel search

Channel auto search makes the TV look for all channels viewable in the set area.

6 **When "Air" is selected in Antenna setting:** Press **◀/▶** to select "Start", and then press **ENTER**.

When "Cable" is selected in Antenna setting:

Press **▲/▼** to select "Analog & Digital Search Start" to search both analog and digital broadcasts or "Analog Search Start" to search only analog broadcasts, and then press **ENTER**.

- The Channel search will start automatically.
- To exit the Channel search screen, select "Cancel", and then press **ENTER**.

7 Press **MENU** to exit.

NOTE

- If no channel is found, confirm the type of connection made with your TV and try EZ Setup again.
- If you select "Analog Search Start" and initiate the channel search, the CH Memory for Cable Digital will be deleted.
- In the PPV TV mode, you need to perform EZ Setup when the RF frequency setting for the channels that are the same as the channel in the hotel server are changed.

Channel Setup

PPV TV
NORMAL TV

If initial setup does not memorize all the channels in your region, follow the instructions below to manually memorize the channels.

Antenna setting

1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Setup".

2 Press **▲/▼** to select "CH Setup", and then press **ENTER**.

- If you already set the Secret No., input the 4-digit secret number here. See page 40 for setting a secret number.

3 Press **▲/▼** to select "Air/Cable", and then press **ENTER**.

4 Press **◀/▶** to select "Air" or "Cable". Press **ENTER** to enter the setting.

5 Press **MENU** to exit.

Channel search

Channel auto search makes the TV look for all channels viewable in the set area.

1 Repeat steps 1 and 2 in **Antenna setting** in **Channel Setup**.

2 Press **▲/▼** to select "CH Search", and then press **ENTER**.

3 **When "Air" is selected in Antenna setting:** Press **◀/▶** to select "Start", and then press **ENTER**.

When "Cable" is selected in Antenna setting:

Press **▲/▼** to select "Analog & Digital Search Start" to search both analog and digital broadcasts or "Analog Search Start" to search only analog broadcasts, and then press **ENTER**.

- The Channel search will start automatically.
- To exit the Channel search screen, select "Cancel", and then press **ENTER**.

4 Press **MENU** to exit.

NOTE

- If no channel is found, confirm the type of connection made with your TV and try channel search again.
- If you select "Analog Search Start" and initiate the channel search, the CH Memory for Cable Digital will be deleted.
- In the PPV TV mode, you need to perform CH Setup when the RF frequency setting for the channels that are the same as the channel in the hotel server are changed.

Basic adjustment settings

Channel memory setting

1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select “Setup”.

2 Press **▲/▼** to select “CH Setup”, and then press **ENTER**.

- If you already set the Secret No., input the 4-digit secret number here. See page 62 for setting a secret number.

3 Press **▲/▼** to select “CH Memory”, and then press **ENTER**.

4 Press **▲/▼** to select ANALOG (Air), ANALOG (Cable), DIGITAL (Air) or DIGITAL (Cable), and then press **ENTER**.

5 When viewing ANALOG broadcasts:

- ① Press **◀/▶** to select the channel to skip, and then press **▼** to move down.
- ② Press **◀/▶** to select “On”, and then press **ENTER**.

When viewing DIGITAL broadcasts:

- ① Press **▲/▼** to select the channel to skip, and then press **◀/▶** to select “On”.

- On: Skips channels. (Channel selection disabled using **CH ▲/▼**.)
- Off: Does not skip channels. (Channel selection enabled using **CH ▲/▼**.)

6 Press **MENU** to exit.

NOTE

- Make sure what kind of connection is made with your TV.
- “CH Memory” is not available in the MASTER mode.

Antenna Setup - DIGITAL PPV TV NORMAL TV

In order to receive digital air broadcasts, you need a digital broadcast antenna. You can confirm the antenna configuration through the “Antenna Setup - DIGITAL” screen.

If necessary, adjust the direction of the antenna to obtain the maximum signal strength.

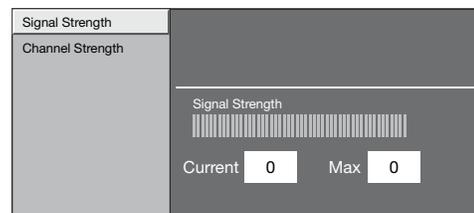
Signal Strength

1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select “Setup”.

2 Press **▲/▼** to select “Antenna Setup - DIGITAL”, and then press **ENTER**.

3 Press **▲/▼** to select “Signal Strength”.

- The signal strength of DIGITAL channel is displayed. The signal information is based on the current channel.



4 Press **MENU** to exit.

Channel Strength

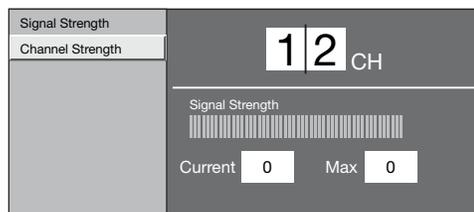
The channel signal strength can also be checked separately.

1 Repeat steps 1 and 2 in **Signal Strength** in **Antenna Setup - DIGITAL**.

2 Press **▲/▼** to select “Channel Strength”, and then press **ENTER**.

3 Input the 2-digit channel number to check the signal strength of the selected channel.

- Make sure the signal is strong enough for each channel.



4 Press **MENU** to exit.

NOTE

- This function is available for DIGITAL (Air) only.

Basic adjustment settings

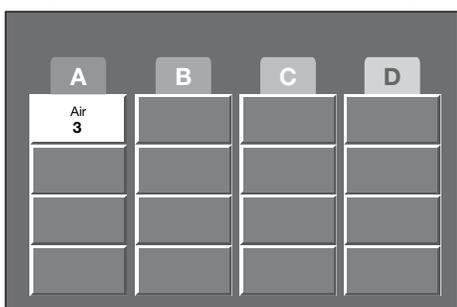
Favorite channel setting

NORMAL TV

This function allows you to program 4 favorite channels, in 4 different categories. By setting the favorite channels in advance, you can select your favorite channels easily.

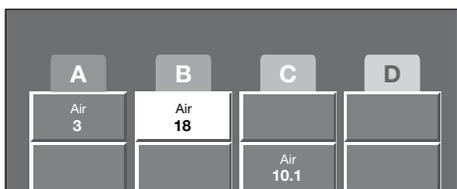
Using FAVORITE CH on the remote control unit

- 1 Select the channel you want to register as a favorite channel.
- 2 Press **FAVORITE**.
- 3 Press **▲/▼** to select "Register", and then press **ENTER**.
- 4 Press **▲/▼/◀/▶** to select the position in the category, and then press **ENTER** to register.

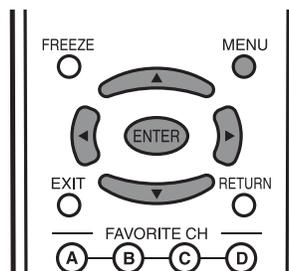


Deleting a favorite channel

- 1 Press **FAVORITE** and the favorite channel screen displays.
- 2 Press **▲/▼** to select "1 Data Clear", and then press **ENTER**.
 - To delete all the favorite channels, select "All Data Clear", and then skip to step 4.
- 3 Press **▲/▼/◀/▶** to select the channel you want to delete, and then press **ENTER**.



- 4 Press **◀/▶** to select "Yes", and then press **ENTER**.



Using Favorite CH on the menu screen

You can also set your favorite channels in "Option" on the MENU screen.

- 1 Select the channel you want to register as a favorite channel.
- 2 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Option".
- 3 Press **▲/▼** to select "Favorite CH", and then press **ENTER**.
- 4 Press **▲/▼** to select "Register", and then press **ENTER**.
- 5 Press **▲/▼/◀/▶** to select the position in the category, and then press **ENTER** to register.
- 6 Press **MENU** to exit.

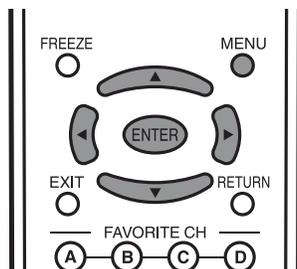
- 1 Repeat steps 2 and 3 in **Using Favorite CH on the menu screen**.
- 2 Press **▲/▼** to select "1 Data Clear", and then press **ENTER**.
 - To delete all the favorite channels, select "All Data Clear", and then skip to step 4.
- 3 Press **▲/▼/◀/▶** to select the channel you want to delete, and then press **ENTER**.
- 4 Press **◀/▶** to select "Yes", and then press **ENTER**.
- 5 Press **MENU** to exit.

Basic adjustment settings

Picture adjustments

PPV TV
NORMAL TV

Adjusts the picture to your preference with the following picture settings.



- 1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Picture".
- 2 Press **▲/▼** to select a specific adjustment item.
- 3 Press **◀/▶** to adjust the item to the desired level.
- 4 Press **MENU** to exit.

NOTE

- For resetting all Picture adjustment items to the factory preset values, press **▲/▼** to select "Reset", press **ENTER**, press **◀/▶** to select "Yes", and then press **ENTER**.



Selected item	◀button	▶button
Backlight	The screen dims	The screen brightens
Contrast	For less contrast	For more contrast
Brightness	For less brightness	For more brightness
Color	For less color intensity	For more color intensity
Tint	Skin tones become reddish	Skin tones become greenish
Sharpness	For less sharpness	For more sharpness

NOTE

- Select "Advanced" and then press **ENTER** to set "Color Temp.", "Black", "I/P Setting", "Film Mode", "3D-Y/C", "Monochrome" or "Range of OPC". See page 48.

OPC setting

PPV TV
NORMAL TV

Automatically adjusts the brightness of the screen.

- 1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Picture".
- 2 Press **▲/▼** to select "OPC".
- 3 Press **◀/▶** to select "On" or "On: Display".

Selected item	Description
Off	The brightness is fixed at the value set in "Backlight".
On	Automatically adjusts
On: Display	Displays the OPC effect on the screen while adjusting the brightness of the screen.

- 4 Press **MENU** to exit.

NOTE

- When set to "On", the OPC senses the surrounding light and automatically adjusts the backlight brightness. Make sure nothing obstructs the OPC sensor, which could affect its ability to sense surrounding light.
- When set to "On: Display", OPC effect displays on the screen while the OPC adjusts the screen brightness.

Basic adjustment settings

Advanced picture adjustments

PPV TV
NORMAL TV

This TV provides various advanced functions for optimizing the picture quality.

- 1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Picture".
- 2 Press **▲/▼** to select "Advanced", and then press **ENTER**.
- 3 Press **▲/▼** to select a specific adjustment item, and then press **ENTER**.
 - You can select "Color Temp.", "Black", "I/P Setting", "Film Mode", "3D-Y/C", "Monochrome", or "Range of OPC".
- 4 Press **▲/▼** (or **◀/▶**) to select the desired parameter.
 - See the table for the selectable parameters.
- 5 Press **MENU** to exit.

Color Temperature

PPV TV
NORMAL TV

For a better white balance, use color temperature correction.

Selected item	Description
High	White with Bluish tone ↑ ↓ White with Reddish tone
Mid-High	
Middle	
Mid-Low	
Low	

Black

PPV TV
NORMAL TV

Changes the viewing depth by automatically adjusting the dark portion of an image for easier viewing.

Selected item	Description
On	For high detail in black portions
Off	No adjustment

I/P Setting

PPV TV
NORMAL TV

Converts input signals depending on the type of images.

Selected item	Description
Fast	Suitable for fast-moving images
Slow	Suitable for smooth images with low amounts of flickers

NOTE

- "I/P Setting" is not selectable when channel display shows an input resolution of 480P, 720P, or 1080I.

Film Mode (3:2 pull-down)

PPV TV
NORMAL TV

Automatically detects a film-based source (originally encoded at 24 frames/second), analyzes it then recreates each still film frame for high-definition picture quality.

Selected item	Description
On	Detects, analyzes, converts film source
Off	Normal viewing mode

NOTE

- "Film Mode" does not function when you set:
 - the "AV Mode" to "Game" or
 - the "I/P Setting" to "Fast".

3D-Y/C

PPV TV
NORMAL TV

Provides high quality images with minimal dot crawl and cross color noise.

Selected item	Description
Slow	For still images
Standard	Normal adjustment
Fast	For moving images
Off (2D)	For Game Mode

NOTE

- 3D-Y/C is available for input signal from Composite Video and analog broadcasts (air and cable).

Monochrome

PPV TV
NORMAL TV

For viewing a video in monochrome.

Selected item	Description
On	For viewing in monochrome
Off	Normal color

Range of OPC

PPV TV
NORMAL TV

The brightness level range of the OPC sensor's automatic adjustments can be set according to your preferences. The adjustment range of the OPC sensor can be set to a maximum of +16 and a minimum of -16.

Selected item	Description
Max.	-15 through +16
Min.	-16 through +15

NOTE

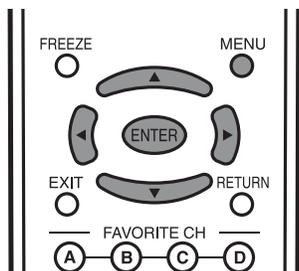
- The range of OPC settings are active only when the OPC is set to On.
- The maximum setting cannot be set to a smaller number than the minimum setting.
- The minimum setting cannot be set to a bigger number than the maximum setting.
- Depending on the brightness of the surrounding light, the OPC sensor might not operate if the adjustment range is small.

Basic adjustment settings

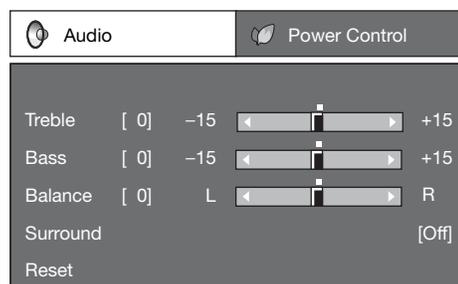
Sound adjustment

PPV TV
NORMAL TV

You can adjust the sound quality to your preference with the following settings.



- 1 Press **MENU** to display the MENU screen, and then press **◀▶** to select "Audio".



- 2 Press **▲/▼** to select a specific adjustment item.

- 3 Press **◀▶** to adjust the item to the desired level.

Selected item	◀ button	▶ button
Treble	For weaker treble	For stronger treble
Bass	For weaker bass	For stronger bass
Balance	Decrease audio from the right speaker	Decrease audio from the left speaker

- 4 Press **MENU** to exit.

NOTE

- Audio menu is grayed out when Output Select is set to "Variable".
- For resetting all Audio adjustment items to the factory preset values, press **▲/▼** to select "Reset", press **ENTER**, press **◀▶** to select "Yes", and then press **ENTER**.

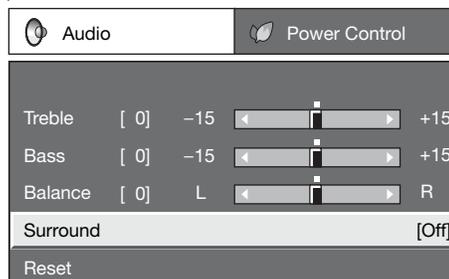
Surround

PPV TV
NORMAL TV

Surround function allows you to enjoy realistic "live" sound.

- 1 Press **MENU** to display the MENU screen, and then press **◀▶** to select "Audio".

- 2 Press **▲/▼** to select "Surround", and then press **ENTER**.



- 3 Press **◀▶** to select "On", and then press **ENTER**.

- 4 Press **MENU** to exit.

NOTE

- You can choose Surround by pressing **SURROUND** on the remote control unit. (See page 38.)
- Audio menu is grayed out when Output Select is set to "Variable".
- For some discs, setup may be required on your DVD player. In this case, please refer to the operation manual of your DVD player.

Basic adjustment settings

Power Control

PPV TV
NORMAL TV

Power control setting allows you to save energy.

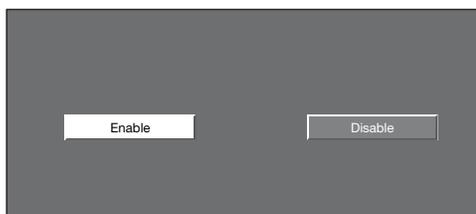
No signal off

When set to "Enable", the power will automatically shut down if there is no signal for 15 minutes.

1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Power Control".

2 Press **▲/▼** to select "No Signal Off", and then press **ENTER**.

3 Press **◀/▶** to select "Enable", and then press **ENTER**.



- Five minutes before the power shuts down, the remaining time displays every minute.

4 Press **MENU** to exit.

NOTE

- "Disable" is the factory preset value.
- When a TV program finishes, this function may not operate.

No operation off

When set to "Enable", the power will automatically shut down if there is no operation for 3 hours.

1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Power Control".

2 Press **▲/▼** to select "No Operation Off", and then press **ENTER**.

3 Press **◀/▶** to select "Enable", and then press **ENTER**.

- Five minutes before the power shuts down, the remaining time displays every minute.

4 Press **MENU** to exit.

NOTE

- "Disable" is the factory preset value.

Digital Setup

PPV TV
NORMAL TV

This setting allows you to optimize the settings of Digital broadcasting.

Audio Setup

PPV TV
NORMAL TV

You can output digital audio to an AV amplifier or similar device whose DIGITAL AUDIO INPUT terminal is connected to the DIGITAL AUDIO OUTPUT terminal on the TV. Please select an audio output format compatible with the audio format of the program you are watching and the equipment connected.

1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Digital Setup".

2 Press **▲/▼** to select "Audio Setup", and then press **ENTER**.

3 Press **▲/▼** to select "PCM" or "Dolby Digital", and then press **ENTER**.



Selected item	Description
PCM	The optical output terminal outputs audio signal in PCM form. If your digital audio system does not support Dolby Digital, select "PCM".
Dolby Digital	The optical output terminal outputs audio signal in Dolby Digital form. It reproduces sound from surround program of digital.

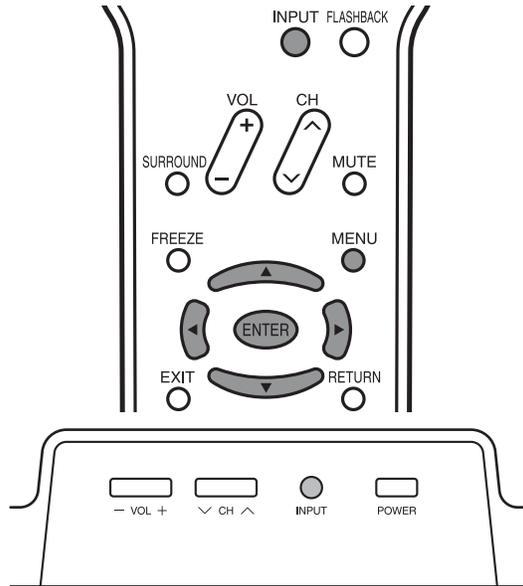
4 Press **MENU** to exit.

Using external equipment

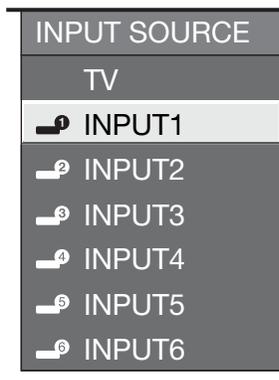
Displaying an external equipment image

PPV TV
NORMAL TV

To view external source images, select the input source from **INPUT** on the remote control unit or on the TV.



- 1 Press **INPUT**.
 - A list of selectable sources appears.



- 2 Press **INPUT** again to select the input source.
 - An image from the selected source automatically displays.
 - Each time **INPUT** is pressed, the input source toggles.
 - You can also select the input source by pressing **▲/▼**.
 - If the corresponding input is not plugged in, you cannot change the input. Be sure to connect the equipment beforehand.

NOTE

- See pages 33 and 34 for external equipment connection.

Input Select

NORMAL TV

If the image does not come in clearly from the external equipment connected to INPUT 1 or 2 (LC-42HT3U only), you may need to change the input signal type setting on the "Input Select" menu.

- 1 Press **MENU** to display the MENU screen, and then press **◀▶** to select "Option".

- 2 Press **▲/▼** to select "Input Select", and then press **ENTER**.

- 3 Press **▲/▼** to select the signal type you want to set, and then press **ENTER**.
 - If the selected signal type is incorrect, images are not displayed or displayed without any color.



- 4 Press **MENU** to exit.
 - The setting is stored and can be selected on the "INPUT SOURCE" menu.

NOTE

- Refer to your external equipment operation manual for the signal type.
- If you set INPUT 1 or 2 (LC-42HT3U only) to Auto, the TV will automatically select the input signal.
- Setting INPUT 1 or 2 (LC-42HT3U only) signal selection to "Auto" when other equipment is connected will result in the following connection priority.

INPUT 1 or 2 (LC-42HT3U only):

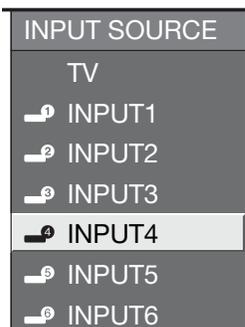
- ① COMPONENT VIDEO
- ② VIDEO

Using external equipment

Displaying an image from HDMI equipment

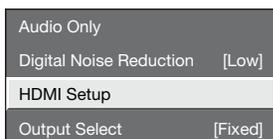
PPV TV
NORMAL TV

- 1 To watch an HDMI/PC-IN equipment image, select "INPUT4" or "INPUT5" from "INPUT SOURCE" menu using **INPUT** on the remote control unit or on the TV.



- 2 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Option".

- 3 Press **▲/▼** to select "HDMI Setup", and then press **ENTER**.



- 4 Press **▲/▼** to select the desired item, and then press **ENTER**.

- 5 Press **◀/▶** to select the desired setting, and then press **ENTER**.

HDMI Setup items	Selectable items	Description
Auto View	Enable Disable	Set whether or not to use View Mode based on signal recognition, including an HDMI signal.
Audio Select	Digital Analog	Select "Digital" for an audio signal via the HDMI terminal. Select "Analog" for an audio signal via the R-AUDIO -L terminal.

- 6 Press **MENU** to exit.

NOTE

- Refer to your external equipment operation manual for the signal type.
- "Audio Select" is only available for INPUT 5.
- When connecting an HDMI-DVI conversion adapter/cable to the HDMI terminal, the image may not come in clearly.

Input Skip

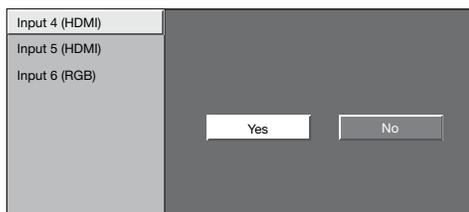
PPV TV
NORMAL TV

This setting allows you to skip the HDMI/PC-IN Input on the Input Selection operation.

- 1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Setup".

- 2 Press **▲/▼** to select "Input Skip", and then press **ENTER**.

- 3 Press **▲/▼** to select the Input (INPUT 4, INPUT 5 or INPUT 6) you wish to skip, and then press **ENTER**.



- 4 Press **◀/▶** to select "Yes", and then press **ENTER**.

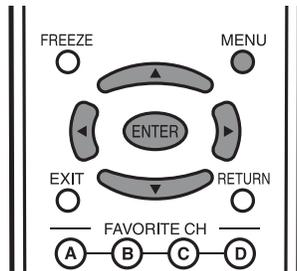
- 5 Press **MENU** to exit.

Useful adjustment settings

Auto Sync. adjustment (for Analog PC input mode only)

PPV TV
NORMAL TV

For automatically adjusting the PC image.

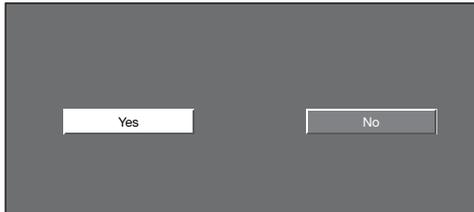


1 Press **MENU** to display the MENU screen, and then press **◀▶** to select "Setup".

2 Press **▲/▼** to select "Auto Sync.", and then press **ENTER**.

3 Press **◀▶** to select "Yes", and then press **ENTER**.

- Auto Sync. starts and "Now adjusting the image." displays.



4 Press **MENU** to exit.

NOTE

- When Auto Sync. is successful, "Completed" displays. If not, Auto Sync. failed.
- Auto Sync. may fail even if "Completed" displays.
- Auto Sync. may fail if the computer image has low resolution, has unclear (black) edges, or is moved while executing Auto Sync.
- Be sure to connect the PC to the TV and switch it on before starting Auto Sync.

Fine Sync. adjustment

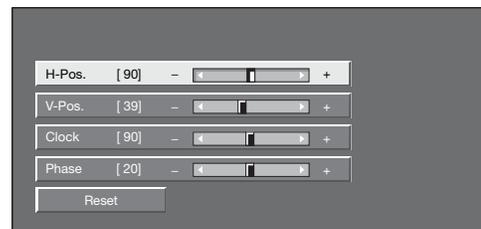
PPV TV
NORMAL TV

Ordinarily you can easily adjust the picture as necessary to change image position using Auto Sync. In some cases, however, manual adjustment is needed to optimize the image.

1 Press **MENU** to display the MENU screen, and then press **◀▶** to select "Setup".

2 Press **▲/▼** to select "Fine Sync.", and then press **ENTER**.

3 Press **▲/▼** to select the specific adjustment item.



Selected item	Description
H-Pos.	Centers the image by moving it to the left or right.
V-Pos.	Centers the image by moving it up or down.
Clock	Adjust when the image flickers with vertical stripes.
Phase	Adjust when characters have low contrast or when the image flickers.

4 Press **◀▶** to adjust the item to your desired position.

5 Press **MENU** to exit.

NOTE

- For resetting all Fine Sync. adjustment items to the factory preset values, press **▲/▼** to select "Reset", and then press **ENTER**.
- It is not necessary to adjust the "Clock" or "Phase" when a digital signal is being input, so it cannot be selected.

Useful adjustment settings

Language setting

PPV TV
NORMAL TV

You can also select a language from the Setup menu. Select from among 3 languages: English, French and Spanish.

- 1 Press **MENU** to display the MENU screen, and then press ◀/▶ to select "Setup".
- 2 Press ▲/▼ to select "Language", and then press **ENTER**.
- 3 Press ▲/▼ to select the desired language listed on the screen, and then press **ENTER**.
- 4 Press **MENU** to exit.

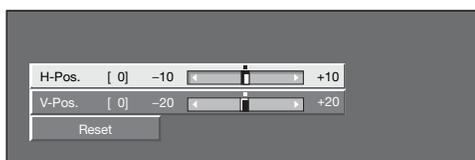
Image position

PPV TV
NORMAL TV

For adjusting a picture's horizontal and vertical position.

- 1 Press **MENU** to display the MENU screen, and then press ◀/▶ to select "Setup".
- 2 Press ▲/▼ to select "Position", and then press **ENTER**.
- 3 Press ▲/▼ to select "H-Pos." or "V-Pos."

Example



Selected item	Description
H-Pos.	Centers the image by moving it to the left or right.
V-Pos.	Centers the image by moving it up or down.

- 4 Press ◀/▶ to adjust the item to the desired position.
- 5 Press **MENU** to exit.

NOTE

- For resetting adjustments to the factory preset values, press ▲/▼ to select "Reset", and then press **ENTER**.
- When connecting a PC to the HDMI terminal, the image position will be automatically adjusted. It cannot be manually adjusted.
- **Adjustments are stored separately according to input source.**

Reset

NORMAL TV

If complex adjustments are made and the settings cannot be restored to normal, you can reset the settings to the factory preset values.

- 1 Press **MENU** to display the MENU screen, and then press ◀/▶ to select "Setup".
- 2 Press ▲/▼ to select "Reset", and then press **ENTER**.
 - If you already set the Secret No., input the 4-digit secret number here. See page 62 for setting a secret number.
 - "Return to the factory preset values" displays on the screen.
- 3 Press ◀/▶ to select "Yes", and then press **ENTER**.
 - "Now, TV will restart automatically. OK?" displays on the screen.
- 4 Press ◀/▶ to select "Yes", and then press **ENTER**.
 - "Now initializing..." displays on the screen and blinks.
 - After the reset has completed, the power shuts off and then comes back on. The screen will have returned to its original settings.



NOTE

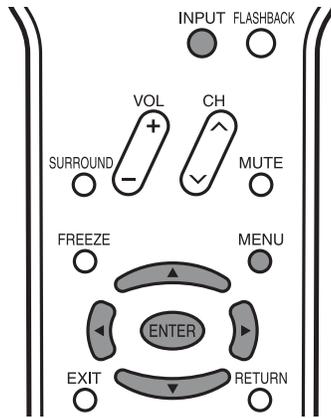
- The Channel Setup settings will not be changed.
- The Language settings will not be changed.
- The Secret number settings will not be changed.

Useful adjustment settings

Input Label

PPV TV
NORMAL TV

Lets you set the input terminal displayed when using the INPUT SOURCE menu or channel display.



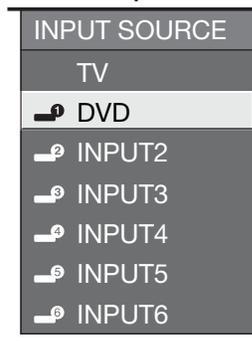
1 Press **INPUT** to select the desired input source.

2 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Setup".

3 Press **▲/▼** to select "Input Label", and then press **ENTER**.

4 Press **▲/▼/◀/▶** to select the new name for the input mode, and then press **ENTER**.

Example



5 Press **MENU** to exit.

NOTE

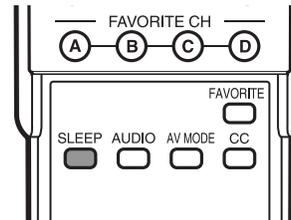
- You cannot change labels if the INPUT SOURCE is TV.

Sleep Timer

PPV TV
NORMAL TV

For LODGENET and nSTREAMS users, set the Sleep Timer from the Function menu.

Allows you to set a time when the TV automatically switches to standby.



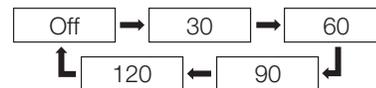
1 Press **SLEEP**.

- The remaining time displays when the sleep timer has been set.

Sleep Timer: Remaining 30

2 Each time you press **SLEEP**, the remaining time switches as shown below.

- When set, the time automatically starts counting down.
- If you want to adjust the sleep timer, you can press **SLEEP** twice then change the time setting.
- Five minutes before the time expires, the remaining time displays every minute.



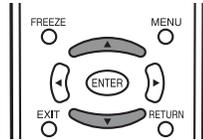
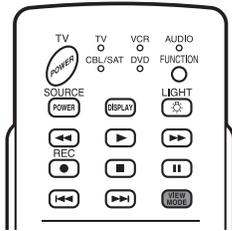
NOTE

- Select "Off" by pressing **SLEEP** to cancel the sleep timer.
- The TV will enter standby when the remaining time reaches zero.
- When the sleep timer is set, its indicator on the TV lights red.

Useful adjustment settings

View Mode for 4:3 Programs

PPV TV
NORMAL TV



View Mode for HD Programs

PPV TV
NORMAL TV

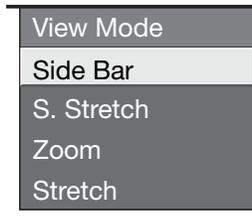
Stretch mode is available for HD programs. Suitable for viewing wide-screen 1.78:1 aspect-ratio programs. When viewing 1.85:1 programs, the stretch mode will still show very thin black bands at the top and bottom of the screen.

1

Press **VIEW MODE**.

- The View Mode menu displays.
- The menu lists the View Mode options selectable for the type of video signal currently being received.

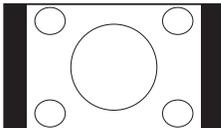
Example



2

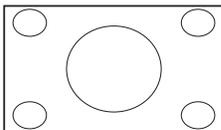
Press **VIEW MODE** or **▲/▼** while the View Mode menu is displayed to select a desired item on the menu.

- You can sequentially select a View Mode that has its own aspect ratio.



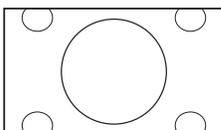
Side Bar:

Suitable for viewing conventional 4:3 programs in their normal format.



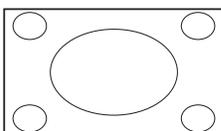
S.Stretch (Smart stretch):

Suitable for stretching 4:3 programs to fill the screen.



Zoom:

Suitable for viewing wide-screen 2.35:1 anamorphic DVDs in full screen.



Stretch:

This mode is useful for 1.78:1 DVDs. When viewing 1.85:1 DVDs, stretch mode will still show very thin black bands at the top and bottom of the screen.

Useful adjustment settings

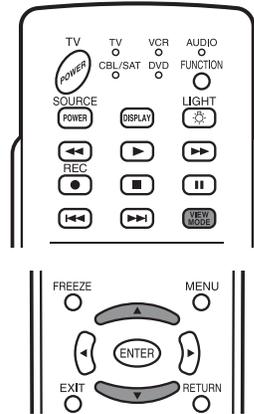
View Mode (for PC input mode)

PPV TV
NORMAL TV

You can select the screen size.

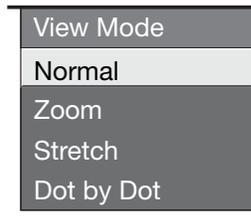
NOTE

- Connect the PC before making adjustments. (See page 34.)
- Selectable screen size may vary with input signal type.



- 1 Press **VIEW MODE**.
 - The View Mode menu displays.

Example



- 2 Press **VIEW MODE** or **▲/▼** while the View Mode menu is displayed to select a desired item on the menu.

Example: Screen size images

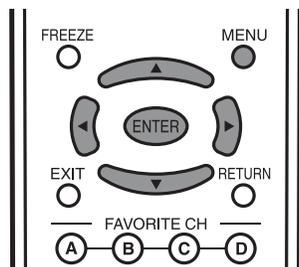
Input signal	Normal	Zoom	Stretch	Dot by Dot
<p>4:3</p>	<p>Keeps the original aspect ratio in a full screen display.</p>	<p>For viewing wide-screen programs. The top and bottom of the image is cropped.</p>	<p>An image fully fills the screen.</p>	<p>Detects the resolution of the signal and displays an image with the same number of pixels on the screen.</p>

Input signal	Stretch	Dot by Dot
<p>16:9</p>	<p>An image fully fills the screen.</p>	<p>Detects the resolution of the signal and displays an image with the same number of pixels on the screen.</p>

Useful adjustment settings

Advanced Option settings

Perform the following steps to set the Option menu items on this page.



- 1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Option".
- 2 Press **▲/▼** to select a specific adjustment item, and then press **ENTER**.
- 3 Press **▲/▼** (or **◀/▶**) to select the desired setting, and then press **ENTER**.
- 4 Press **MENU** to exit.
 - Skip this step for "Audio Only".

Audio Only

NORMAL TV

When listening to music from a music program, you can set the screen off and enjoy audio only.

Selected item	Description
On	Audio is output without screen image.
Off	Both screen images and audio are output.

NOTE

- The screen image will return to normal when a button (except those for audio adjustment, such as **VOL**, **MUTE**, **SURROUND**, **AUDIO**) is pressed.

Digital Noise Reduction

PPV TV
NORMAL TV

Produces a clearer video image.

Selected item	Description
On	No adjustment
High	For enhanced Digital Noise Reduction
Low	For moderate Digital Noise Reduction

Output Select

NORMAL TV

Allows you to select what controls the audio output.

Selected item	Description
Fixed	<ul style="list-style-type: none"> • Sound via speaker is adjusted with VOL +/– on the remote control unit or VOL –/+ on the TV. • Sound via the AUDIO OUTPUT terminal is not adjustable and outputs at a consistent level.
Variable	<ul style="list-style-type: none"> • Sound via the AUDIO OUTPUT terminal is adjusted with VOL +/– on the remote control unit or VOL –/+ on the TV. • Sound via speaker is muted.

Color System

PPV TV
NORMAL TV

Select the video signal system compatible with your equipment from the list below;

- Auto
- NTSC
- PAL-M
- PAL-N

NOTE

- "Color System" can only be set for INPUT 1 VIDEO and INPUT 2. (LC-32HT3U/LC-37HT3U)
- "Color System" can only be set for INPUT 1 VIDEO, INPUT 2 VIDEO and INPUT 3. (LC-42HT3U)
- If you already set the Secret No., input the 4-digit secret number here. See page 62 for setting a secret number.

Program Title Display

NORMAL TV

Select the CH display when changing channels for digital broadcasting.

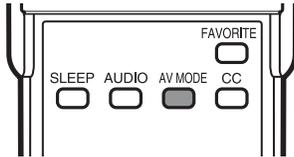
Selected item	Description
Yes	"Program Info." displays
No	"Program Info." does not display

Useful adjustment settings

AV MODE

PPV TV
NORMAL TV

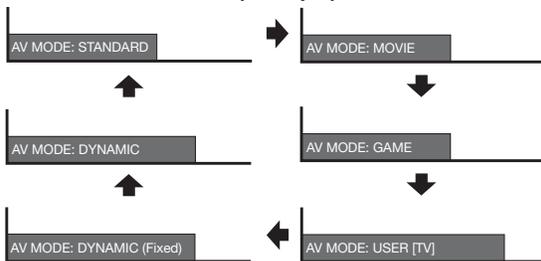
AV MODE gives you 7 viewing options to choose from to best match the surrounding environment of the TV, which can vary due to factors like room brightness, type of program watched or the type of image input from external equipment.



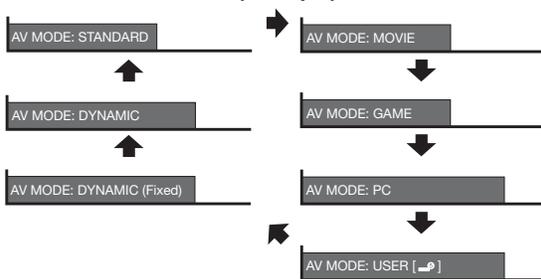
- 1 Press **AV MODE**.
 - Current AV MODE displays.

- 2 Press **AV MODE** again before the mode displayed on the screen disappears.
 - The mode changes as shown below.

When the input source is **TV, INPUT 1, 2 or 3 terminals**
(Example)



When the input source is **INPUT 4, 5 or 6 terminals**
(Example)



NOTE

- You can select a different AV MODE item for each input mode. (For example, select STANDARD for TV input and DYNAMIC for INPUT 1.)
- “Enhanced Picture Contrast” technology detects the source video characteristics and smoothly adjusts the screen brightness accordingly to realize deeper black levels.

Selected item	Description
STANDARD	For a highly defined image in a normal lighting [Enhanced Picture Contrast: on]
MOVIE	For a movie [Enhanced Picture Contrast: off]
GAME	Lowers image brightness for easier viewing [Enhanced Picture Contrast: off]
PC	For PC [Enhanced Picture Contrast: off]
USER	Allows the user to customize settings as desired. You can set the mode for each input source. [Enhanced Picture Contrast: off]
DYNAMIC (Fixed)	Changes the image and sound settings to the factory preset values. No adjustments are allowed. [Enhanced Picture Contrast: on]
DYNAMIC	For a clear-cut image emphasizing high contrast, useful for sports viewing [Enhanced Picture Contrast: on]

Input Signal (for Analog PC input mode only)

PPV TV
NORMAL TV

Some input signals may have to be registered manually to display properly.

The pair of input signals (resolutions) in the list below are not distinguishable when received. In such case, you have to set the correct signal manually. After setting once, it will display when the same signal (resolution) is input again.

1024 × 768

1360 × 768

NOTE

- You can only select the “Input Signal” on the Setup menu when receiving one of the 2 input signals listed above.

- 1 Press **MENU** to display the MENU screen, and then press **◀▶** to select “Setup”.
- 2 Press **▲/▼** to select “Input Signal”, and then press **ENTER**.
- 3 Press **▲/▼** to select the desired input signal on the display.
- 4 Press **MENU** to exit.

Useful adjustment settings

Closed Captions and Digital Closed Captions

PPV TV
NORMAL TV

For LODGENET and nSTREAMS users, set the Closed Captions from the Function menu.

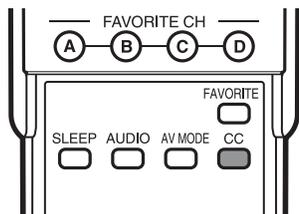
Your TV is equipped with an internal Closed Caption decoder. It allows you to view conversations, narration and sound effects as subtitles on your TV. Closed Captions are available on some TV programs and on some VHS home video tapes at the discretion of the program provider.

Digital Closed Caption service is a new caption service available only on digital TV programs (also at the discretion of the service provider). It is a more flexible system than the original Closed Caption system, because it allows for a variety of caption sizes and font styles. When the Digital Closed Caption service is in use, it will be indicated by the appearance of a 3-letter abbreviation that also indicates the language of the Digital Closed Captions: ENG (English), SPA (Spanish), FRA (French) or other language codes.

Not all programs and VHS videotapes offer closed captions. Please look for the “**CC**” symbol to ensure that captions will be shown.

In the Closed Caption system, there can be more than one caption service provided. Each is identified by its own number. The “CC1” and “CC2” services display subtitles of TV programs superimposed over the program’s picture.

In the Closed Caption system, the “Text1” or “Text2” services display text that is unrelated to the program being viewed (e.g., weather or news). These services are also superimposed over the program currently being viewed.



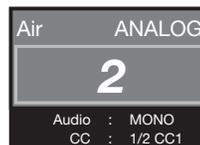
1 Press **CC**.

- This will present the Closed Caption information display.

2

Press **CC** while the Closed Caption information is still on the screen.

- Press repeatedly until you select the desired closed caption service.



Closed Caption information

- Depending on the number of caption services in the signal being received, you will see information such as 1/2 or 1/4 displayed.

1/2 means “the first of two services”.

Example:

If a program has three services (Digital CC(ENG), CC1 and Text1), the closed caption display will toggle in this sequence:

1/3 ENG → 2/3 CC1 → 3/3 Text1 → Off

- The CC button keeps a record of the last service selected in its memory. If the last closed caption mode (e.g. 1/3ENG) you selected is not available for the next program, or on another channel, the closed caption service that is available is automatically selected, and this service appears in parentheses, e.g. “1/3(CC1)”. Closed Caption services that appear in parentheses will not be stored in the CC button’s memory as your last selected service. Only services that you have selected with the CC button are stored.

Examples:

In a case where there are two closed caption services provided, (for instance, Digital CC(ENG) and CC1), and Digital CC(ENG) is displayed as your current selection, if Digital CC(ENG) is not broadcast for the next program, the other closed caption service, CC1, will be displayed in parentheses.

A closed caption service appears in parentheses because the service you selected is not available and a different service is displayed on your screen. “1/1(CC1)” is displayed instead of “1/2/ENG”.

NOTE

- See page 61 for detailed closed caption settings.
- When the program contains no closed caption, “--” displays in the closed caption information.
- If the language code, e.g. “ENG”, is not found on Digital TV programs, “--” will be shown.
- Four kinds of closed caption service (CC1, CC2, Text1, Text2) are potentially available, but a broadcast may contain none or only some of these services at the discretion of the program provider.

Useful adjustment settings

Caption Setup

PPV TV
NORMAL TV

This function allows you to adjust the closed caption screen appearance to suit your preference.

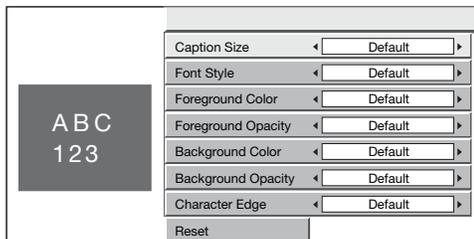
1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select “Option”.

2 Press **▲/▼** to select “Caption Setup”, and then press **ENTER**.

3 Press **▲/▼** to select a specific adjustment item.

- You can adjust 7 items here; they are,

- ① “Caption Size”,
- ② “Font Style”,
- ③ “Foreground Color”,
- ④ “Foreground Opacity”,
- ⑤ “Background Color”,
- ⑥ “Background Opacity” and
- ⑦ “Character Edge”.



4 Press **◀/▶** to select the desired parameter.

5 Press **MENU** to exit.

NOTE

- For resetting adjustments to the factory preset values, press **▲/▼** to select “Reset”, and then press **ENTER**.
- The default value depends on the broadcasting station.

Selectable items available for “Font Style”.

Selected item	Description
Default	The font specified by broadcasting station or default font.
Type 0	Proportional font used in the MENU screen.
Type 1	Monospaced with serifs.
Type 2	Proportionally spaced with serifs.
Type 3	Monospaced without serifs.
Type 4	Proportionally spaced without serifs.
Type 5	Casual font type.
Type 6	Cursive font type.
Type 7	Small capitals.

Useful adjustment settings

Secret number setting for parental control (AV input mode only)

PPV TV
NORMAL TV

PPV TV mode:

Parental CTRL is only for LODGENET and nSTREAMS users. For ONCOMMAND, NXTV, SeaChange and some LODGENET and nSTREAMS (depending on the system you have) users, the hotel server controls the setting.

For LODGENET and nSTREAMS users, use SELECT on the remote control unit of LODGENET and nSTREAMS instead of ENTER in the following operations.

Allows you to use a secret number to protect certain settings from being accidentally changed.

IMPORTANT:

Three conditions must be met to enable the V-Chip (see pages 62 to 67):

- ① Secret No. is registered.
- ② V-Chip/V-Chip (DTV Only) settings have been made.
- ③ "Status" is set to "On".

Setting a secret number

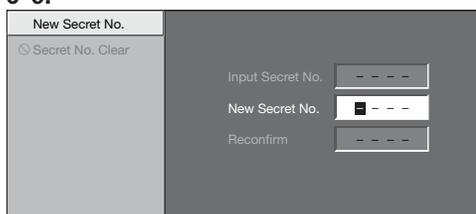
1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select "Setup".

2 Press **▲/▼** to select "Parental CTRL", and then press **ENTER**.

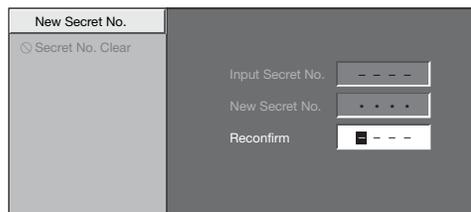
3 Press **▲/▼** to select "Secret No.", and then press **ENTER**.



4 Select "New Secret No.", and then press **ENTER**.
Input the new 4-digit secret number by using **0-9**.



5 Input the same 4-digit number on the "Reconfirm" screen as in step 4 to confirm.



6 Press **RETURN** to start configuring the V-Chip settings. (See pages 65 and 67 for details.)

7 Press **MENU** to exit.

Setting parental control status

Used to enable or disable the parental control function.

1 Repeat steps 1 and 2 in **Setting a secret number**.

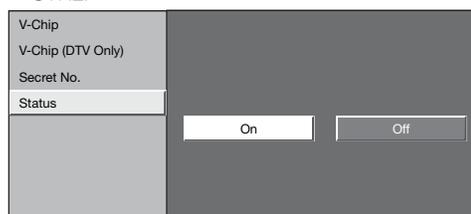
- The secret number setting menu displays.

2 Input the 4-digit secret number by using **0-9**.

3 Press **▲/▼** to select "Status", and then press **ENTER**.

4 Press **◀/▶** to select "On" or "Off", and then press **ENTER**.

- Select "On" to enable and "Off" to disable Parental CTRL.



5 Press **MENU** to exit.

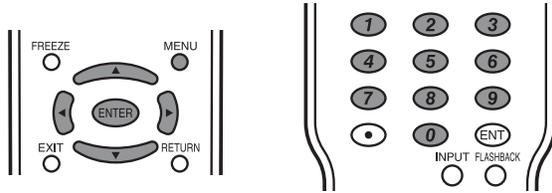
NOTE

- You can skip steps 1 and 2 above while in the Parental CTRL screen.
- The "V-Chip (DTV Only)" will only be selectable when a new rating system can be downloaded via digital broadcasting in the U.S.

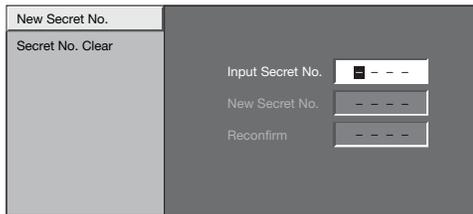
Useful adjustment settings

Changing the secret number

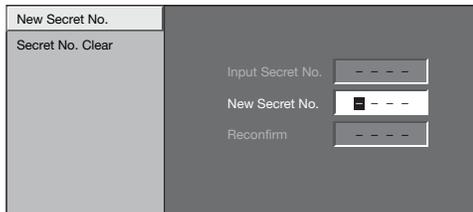
Allows you to change your current secret number.



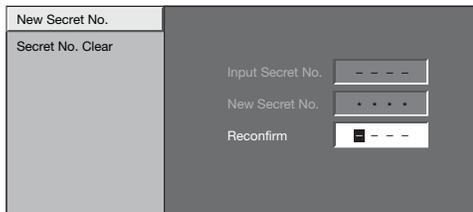
- 1 Repeat steps 1 and 2 in **Setting a secret number**.
 - The secret number setting menu displays.
- 2 Input the 4-digit secret number by using **0–9**.
- 3 Press **▲/▼** to select “Secret No.”, and then press **ENTER**.
- 4 Press **▲/▼** to select “New Secret No.”, and then press **ENTER**.
- 5 Input the old 4-digit secret number by using **0–9**.



- 6 Input the new 4-digit secret number by using **0–9**.



- 7 Input the same 4-digit number on the “Reconfirm” screen as in step 6 to confirm.

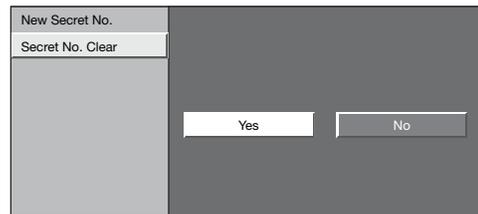


- 8 Press **MENU** to exit.

Clearing the secret number

Allows you to clear your secret number.

- 1 Repeat steps 1 and 2 in **Setting a secret number**.
 - The secret number setting menu displays.
- 2 Input the 4-digit secret number by using **0–9**.
- 3 Press **▲/▼** to select “Secret No.”, and then press **ENTER**.
- 4 Press **▲/▼** to select “Secret No. Clear”, and then press **ENTER**.
- 5 Press **◀/▶** to select “Yes”, and then press **ENTER**.
 - Your secret number is cleared.



- 6 Press **MENU** to exit.

NOTE

- See page 62 for re-registering a new secret number after being cleared.
- **As a precautionary measure, make a note of your secret number and keep it in a familiar place.**
- If the secret number is cleared, the Status setting automatically sets to “Off”. “V-Chip” and “Status” will not be selectable from the menu.

Useful adjustment settings

Parental control (setting V-CHIP level)

PPV TV
NORMAL TV

V-CHIP is an electronic filtering device built into your TV. This tool gives parents a great degree of control over broadcasts accessed by their children. It allows parents to select programs judged suitable for child viewing while blocking ones judged not suitable. It does so automatically once you activate the V-CHIP feature in your TV.

“V-Chip” and “Status” will not be selectable from the menu if you do not first configure your secret number. (See page 62 for Secret number setting for parental control.)

- The U.S. has two rating systems for viewing content: TV Parental Guidelines and movie ratings.
- The TV Parental Guidelines work in conjunction with the V-CHIP to help parents screen out inappropriate television shows from their children.
- Movie ratings are used for original movies rated by the Motion Picture Association of America (MPAA) as watched on cable TV and not edited for television. The V-CHIP can also be set to block MPAA-rated movies.

Voluntary movie rating system (MPAA)

Rating	Description	
Age	G	General audiences. All ages admitted.
	PG	Parental guidance suggested. Some material may not be suitable for children.
	PG-13	Parents strongly cautioned. Some material may be inappropriate for children under 13.
	R	Restricted. Under 17 requires accompanying parent or adult guardian (age varies in some jurisdictions).
	NC-17	No one 17 and under admitted.
	X	X is an older rating that is unified with NC-17 but may be encoded in the data of older movies.



EXAMPLE

- If you select “PG-13”, this will automatically block the higher ratings “R”, “NC-17” and “X”.

NOTE

- Voluntary movie rating system only uses an age-based rating.

TV Parental Guidelines

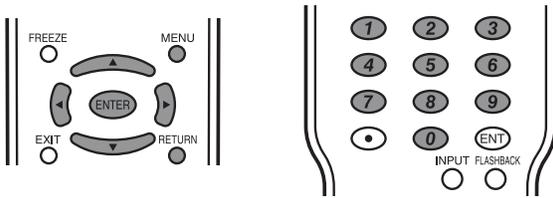
Rating	Content					
	FV (Fantasy violence)	V (Violence)	S (Sexual situation)	L (Adult language)	D (Sexually suggestive dialog)	
Suggested age	TV-Y (All children)	☒	☒	☒	☒	☒
	TV-Y7 (Directed to older children)	×	☒	☒	☒	☒
	TV-G (General audience)		☒	☒	☒	☒
	TV-PG (Parental Guidance suggested)		×	×	×	×
	TV-14 (Parents strongly cautioned)		×	×	×	×
	TV-MA (Mature audience only)		×	×	×	

☒: The content rating can be set, but this rating is not normally broadcast by TV stations.

×: Content rating can be set.

Useful adjustment settings

Voluntary movie rating system (MPAA)



1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select “Setup”.

2 Press **▲/▼** to select “Parental CTRL”, and then press **ENTER**.

- The secret number setting menu displays only when “Secret No.” is set. (See page 62.)
- “V-Chip” and “Status” will not be selectable from the menu if you do not first configure your secret number. (See page 62.)

3 Input the 4-digit secret number by using **0-9**.

4 Press **▲/▼** to select “V-Chip”, and then press **ENTER**.



5 Press **▲/▼** to select “MPAA”, and then press **ENTER**.

6 Press **▲/▼** to adjust the item to your desired position. “**🔒**” indicates the item is blocked. Press **RETURN**.

- The setting automatically enters “Block” for any ratings below your selection.
- If Status is not set to “On”, the configuration settings will not work. (See page 62.)

Example



7 Press **MENU** to exit.

TV Parental Guidelines (TV Guidelines)

1 Repeat steps 1 to 4 in **Voluntary movie rating system (MPAA)**.

2 Press **▲/▼** to select “TV Guidelines”, and then press **ENTER**.

3 Press **▲/▼** to adjust the item to your desired position. “**🔒**” indicates the item is blocked.

- The setting automatically enters “Block” for any ratings below your selection.

Example



When setting an individual content-based rating item, do as follows:

- ① Press **▶** or **ENTER** to access blocked content items from the currently selected age-based rating item.
- ② Press **▲/▼** to select an individual item, and then press **ENTER** to unblock it (“**🔒**” is removed). Repeat the same steps for the other items.
- ③ Press **◀** or **RETURN** to register after all individual content rating items are set.

Example



- If Status is not set to “On”, the configuration settings will not work. (See page 62.)

4 Press **MENU** to exit.

Useful adjustment settings

Canadian Rating Systems

- The TV rating systems in Canada are based on the Canadian Radio-Television and Telecommunications Commission (CRTC) policy on violence in television programming.
- While violence is the most important content element to be rated, the structure developed takes into consideration other program content like language, nudity, sexuality and mature themes.
- When setting the V-CHIP on the Canadian system you can choose either the Canadian English ratings or the Canadian French ratings.

Canadian English ratings

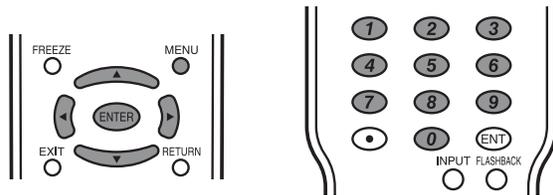
	Rating	Description
Age	E	Exempt: Includes news, sports, documentaries and other information programming; talk shows, music videos, and variety programming.
	C	Children: Intended for younger children under the age of 8 years. Pays careful attention to themes that could threaten their sense of security and well-being.
	C8+	Children over 8 years old: Contains no portrayal of violence as the preferred, acceptable, or only way to resolve conflict; nor encourage children to imitate dangerous acts which they may see on the screen.
	G	General: Considered acceptable for all age groups. Appropriate viewing for the entire family, contains very little violence, physical, verbal or emotional.
	PG	Parental Guidance: Intended for a general audience, but may not be suitable for younger children (under the age of 8) because it could contain controversial themes or issues.
	14+	Over 14 Years: Could contain themes where violence is one of the dominant elements of the storyline, but it must be integral to the development of plot or character. Language usage could be profane and nudity present within the context of the theme.
	18+	Adults: Intended for viewers 18 years and older and might contain depictions of violence, which while related to the development of plot, character or themes, are intended for adult viewing. Could contain graphic language and portrayals of sex and nudity.

Canadian French ratings

	Rating	Description
Age	E	Exempt programming.
	G	General: All ages and children, contains minimal direct violence, but may be integrated into the plot in a humorous or unrealistic manner.
	8ans +	General but inadvisable for young children: May be viewed by a wide public audience, but could contain scenes disturbing to children under 8 who cannot distinguish between imaginary and real situations. Recommended for viewing with parent.
	13ans +	Over 13 years: Could contain scenes of frequent violent scenes and therefore recommended for viewing with parent.
	16ans +	Over 16 years: Could contain frequent violent scenes and intense violence.
	18ans +	Over 18 years: Only for adult viewing. Could contain frequent violent scenes and extreme violence.

Useful adjustment settings

Canadian English ratings



1 Press **MENU** to display the MENU screen, and then press **◀/▶** to select “Setup”.

2 Press **▲/▼** to select “Parental CTRL”, and then press **ENTER**.

- Secret number setting menu displays only when “Secret No.” is set. (See page 62.)
- “V-Chip” and “Status” will not be selectable from the menu if you do not first configure your secret number. (See page 62.)

3 Input the 4-digit secret number by using **0–9**.



4 Press **▲/▼** to select “V-Chip”, and then press **ENTER**.



5 Press **▲/▼** to select “Can. English Ratings”, and then press **ENTER**.

6 Press **▲/▼** to adjust the item to your desired position. “**Ⓐ**” indicates the item is blocked.

- The setting automatically enters “Block” for any ratings below your selection.
- If Status is not set to “On”, the configuration settings will not work. (See page 62.)

Example



7 Press **MENU** to exit.

Canadian French ratings

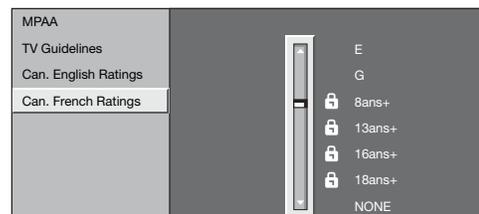
1 Repeat steps 1 to 4 in **Canadian English ratings**.

2 Press **▲/▼** to select “Can. French Ratings”, and then press **ENTER**.

3 Press **▲/▼** to adjust the item to your desired position. “**Ⓐ**” indicates the item is blocked.

- The setting automatically enters “Block” for any ratings below your selection.
- If Status is not set to “On”, the configuration settings will not work. (See page 62.)

Example



4 Press **MENU** to exit.

How to temporarily release the V-CHIP BLOCK

PPV TV
NORMAL TV

When the V-CHIP BLOCK is working and censors a broadcast, “V-CHIP HAS BEEN ACTIVATED.” displays.

1 Press **ENTER** while the V-CHIP is working, and then the secret number setting menu displays.

2 Input the 4-digit secret number by using **0–9**. At this time V-CHIP BLOCK temporarily releases.

Reactivating the temporarily released V-CHIP BLOCK

PPV TV
NORMAL TV

You can reactivate the temporarily released V-CHIP BLOCK as shown below

Method 1:

Select “Status” setting from the Parental CTRL menu to reactivate BLOCK. (See page 62.)

Method 2:

Select “V-Chip” setting (“MPAA”, “TV Guidelines”, “Can. English Ratings” or “Can. French Ratings”) from the Parental CTRL to reactivate BLOCK. (See pages 65 and 67.)

Method 3:

Switch off the TV power.

NOTE

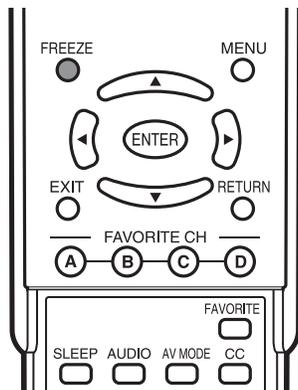
- Performing any of the three above will activate the V-CHIP BLOCK.

Other viewing options

Freezing images

PPV TV
NORMAL TV

Allows you to capture and freeze a moving image that you are watching.



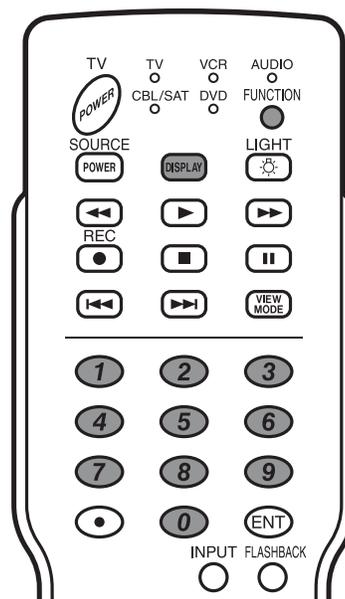
- 1 Press **FREEZE**.
 - A moving image is captured.
- 2 Press **FREEZE** again to cancel the function.

NOTE

- When this function is not available, "No displaying still image available." will display.
- The still image automatically goes out after 30 minutes.
- If you are using the freeze function and a broadcast activates the V-CHIP BLOCK, the freeze function will be cancelled and a V-CHIP BLOCK message will appear.

Presetting remote control function

You can operate the connected AV products (AV Receiver, Cable Box, SAT tuner, DTV, VCR, DVD, LD) using the presetting manufacturer function of your remote control unit.



Presetting manufacturer codes

- 1 Press **FUNCTION** until the LED for your device lights up.
- 2 After the LED for your device lights up, press **FUNCTION** and **DISPLAY** at the same time to enter the code registration mode. The LED will blink.
- 3 Press **0-9** to enter the manufacturer code. (See page 69.)
 - Preset mode is finished once the LED no longer lights up.
- 4 After registering the code, the LED will stop blinking then turn off after one second. (If you perform an incorrect operation, the LED will blink quickly then turn off.)

Other viewing options

Manufacturer codes

VCR BRAND	REMOTE CONTROL CODE NUMBER
Akai	25, 26, 37
Audio	15, 22, 30
Broksonic	32
Canon	04
Capehart	34
Craig	10, 31
Curtis Mathis	04
Daewoo	34
DBX	15, 22, 30
Dynatech	29
Emerson	21, 32, 35
Fisher	09, 10, 11
Funai	28, 29
G.E.	04
Goldstar	24
Hitachi	06, 47
Instant Replay	04
JC Penney	04, 06, 24, 30
JVC	15, 41, 42, 53
Kenwood	14, 15
Lloyds	29
Magnavox	04, 05, 08
Magnin	31
Marantz	30
Memorex	04, 10, 24, 29
Minolta	06
Mitsubishi	17, 18, 39, 40, 48
Montgomery Ward	02, 43
Multitech	29
NEC	15, 22, 30
Panasonic	04, 44, 45, 49, 50
Pentax	05, 06
Philco	04, 06
Philips	04, 05, 08
Pioneer	46
QUASAR	04
RCA	06, 07, 33, 51
Realistic	01, 02, 10, 24
Samsung	23, 31
Sanyo	10, 14, 52
Scott	20
Sears	06, 11, 24
Sharp	01, 02, 03
Shintom	36
Sony	12, 13, 38
Sound Design	29
Sylvania	05, 08
Symphonic	29
Tatung	15
Teac	15, 29
Teknika	27, 29
Thomas	29
TMK	21
Toshiba	19, 20
Video Concepts	30
Yamaha	15, 29, 30
Zenith	16

DVD/LD BRAND	REMOTE CONTROL CODE NUMBER
Denon	02
JVC	09
Kenwood	21
Magnavox	04
Marantz	04
Mitsubishi	06
Panasonic	02, 22
Philips	04, 23
Pioneer	08, 11, 20
Proscan	03
RCA	03, 24
Samsung	07, 12
Sharp	01, 10
Sony	05, 25
Toshiba	04
Yamaha	02
Zenith	04

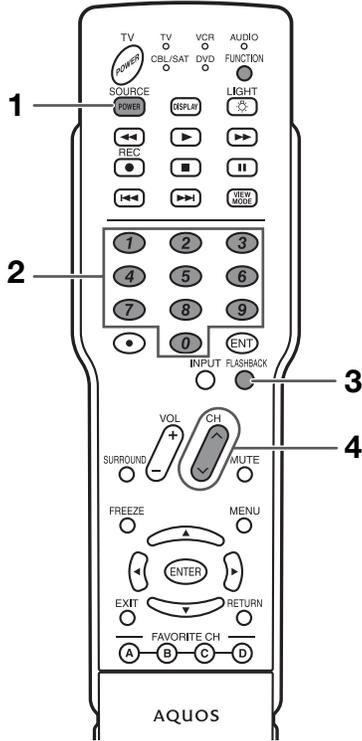
CATV/SAT BRAND	REMOTE CONTROL CODE NUMBER
Anvision	04, 05
Cable Star	04, 05
Eagle	05
General Instrument	02, 03, 07, 12, 13, 14, 19, 22
Jerrold	02, 03, 07, 12, 13, 14, 19, 22, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40
Magnavox	04, 05, 09, 14, 17, 18, 20, 21, 24, 25
Motorola	47
NEC	42
Oak Sigma	8
Panasonic	16, 23
Philips	04, 05, 09, 15, 17, 18, 20, 21, 24, 25
Pioneer	08, 10, 29, 30, 43*, 46
Randtek	04, 05
RCA	16, 27, 44*, 45*
Scientific Atlanta	01, 26
Sony	28
Viewstar	04, 05, 09, 15, 17, 18, 20, 21, 24, 25
Zenith	06, 14

NOTE

- Numbers marked with * are SAT codes, all others are CATV codes.

AUDIO BRAND	REMOTE CONTROL CODE NUMBER
Sharp	01

Other viewing options



■ Cable control buttons

When the **FUNCTION** is set to CBL/SAT, the cable converter connected to the TV can be operated using **1** to **4**.

1 SOURCE POWER

Turns the cable converter power on and off.

2 0-9

Press a button (or buttons) that corresponds to the channel that you wish to watch.

3 FLASHBACK *

Press to switch between the current channel and the channel you were watching immediately before.

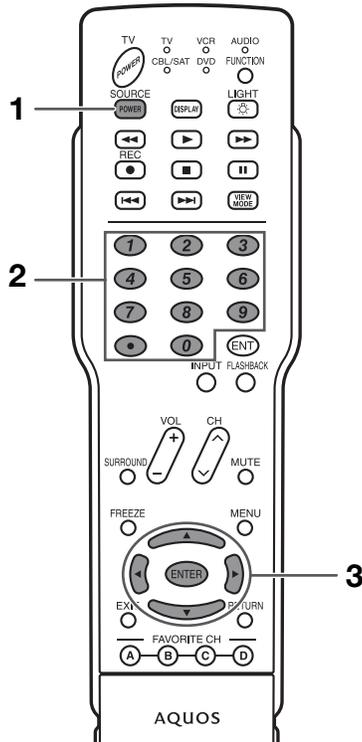
4 CH ^/∇

Press **CH ^** or **CH ∇** to tune in a higher or lower channel.

* Some manufacturers do not preset **FLASHBACK**.

NOTE

- CABLE and SAT cannot be selected at the same time.



■ SAT control buttons

1 SOURCE POWER

Turns the cable converter power on and off.

2 0-9, • (DOT)

Press a button (or buttons) that corresponds to the channel that you wish to watch.

3 ENTER, ▲/▼/◀/▶

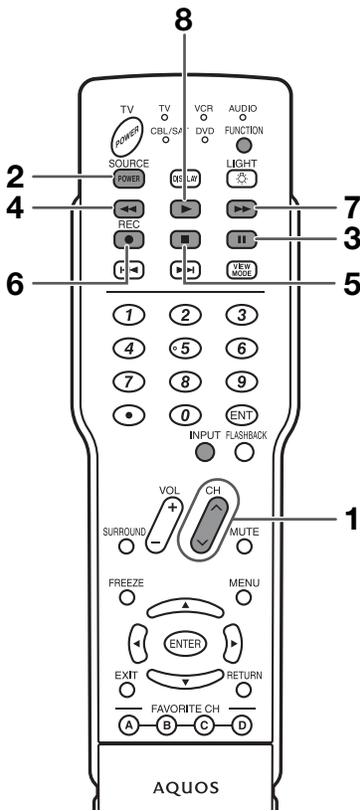
ENTER: Press to activate the selected function.

▲/▼/◀/▶: Press the button to select items on the SAT GUIDE screen or SAT MENU screen.

NOTE

- CABLE and SAT cannot be selected at the same time.

Other viewing options



■ VCR control buttons

The remote control unit button will function as follows when the **FUNCTION** of the remote control unit is set to VCR.

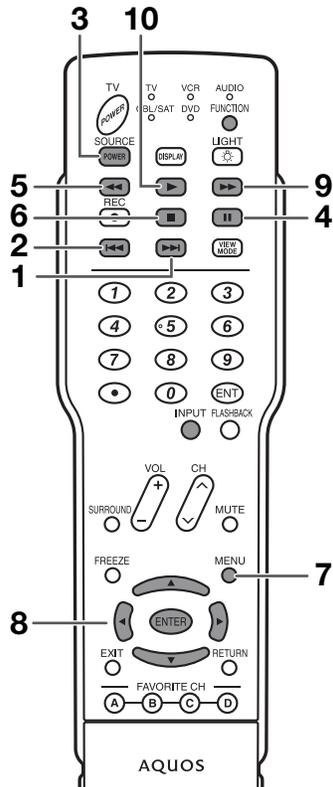
- Press **INPUT** until the input connected to the VCR is selected. The following **1 to 8** can be used to control the VCR.

- 1** CH ▲/▼
Press to select the channel of the TV tuner on the VCR.
- 2** **SOURCE POWER**
Turns the power of the VCR on and off.
- 3** **||**
Sets pauses and still pictures.
- 4** **◀◀**
Rewinds the tape and allows picture search.
- 5** **■**
Stops the tape transport.
- 6** **REC**
Starts recording.
- 7** **▶▶**
Rapidly advances the tape and allows picture search.
- 8** **▶**
Starts playback.

■ DVD control buttons

The remote control unit button will function as follows when the **FUNCTION** of the remote control unit is set to DVD.

- Press **INPUT** until the input connected to the DVD player is selected. The following **1 to 10** can be used to control the DVD player.



- 1** **▶▶▶**
Pressing quickly once takes you to the start of the next chapter. Each time you press it, you move ahead to the start of the next chapter.
- 2** **◀◀◀**
Pressing quickly once takes you to the start of the chapter currently playing. Each time you press it, you move back to the start of the previous chapter.
- 3** **SOURCE POWER**
Turns the power of the DVD player on and off.
- 4** **||**
Sets pauses and still pictures.
- 5** **◀◀**
Hold down to go in reverse.
- 6** **■**
Playback stops when pressed.
With some DVD players, pressing the button twice may open the disc tray.
- 7** **MENU**
When this button is pressed, the DVD menu will display.
- 8** **ENTER, ▲/▼/◀/▶**
ENTER: Press to activate the selected function.
▲/▼/◀/▶: Press the button to select items on the DVD MENU screen.
- 9** **▶▶▶**
Hold down to fast forward.
- 10** **▶**
Starts playback.

Appendix

Troubleshooting

Problem	Possible Solution
<ul style="list-style-type: none"> No power 	<ul style="list-style-type: none"> Check if you pressed TV POWER on the remote control unit. (See page 35.) If the indicator on the TV does not light up, press POWER on the TV. Is the AC cord disconnected? (See page 16 of the operation manual for the LC-32HT3U.) Has the power been turned on? (See page 35.) Depending on the Room Mode setting, you need to press MASTER or ROOM on the Remote Replicator to turn on the TV. (See pages 11, 14, 18, 21 and 24.)
<ul style="list-style-type: none"> Unit cannot be operated. 	<ul style="list-style-type: none"> External influences such as lightning, static electricity, may cause improper operation. In this case, operate the unit after first turning on the power of the TV or unplugging the AC cord and replugging it in after 1 or 2 minutes.
<ul style="list-style-type: none"> Remote control unit does not operate. 	<ul style="list-style-type: none"> Is the FUNCTION set correctly? Set it to the TV setting position. Are batteries inserted with polarity (+, -) aligned? (See page 32.) Are batteries worn out? (Replace with new batteries.) Are you using it under strong or fluorescent lighting? Is a fluorescent light illuminated near the remote control sensor? The buttons on the remote control unit may not function depending on the Room Mode setting. (See page 6.)
<ul style="list-style-type: none"> Picture is cut off/with sidebar screen. 	<ul style="list-style-type: none"> Is the image position correct? (See page 54.) Are screen mode adjustments such as picture size made correctly? (See pages 56 and 57.)
<ul style="list-style-type: none"> Strange color, light color, or color misalignment 	<ul style="list-style-type: none"> Adjust the picture tone. (See pages 47 to 48.) Is the room too bright? The picture may look dark in a room that is too bright. Check the input signal setting. (See page 59.)
<ul style="list-style-type: none"> Power is suddenly turned off. 	<ul style="list-style-type: none"> Is the sleep timer set? (See page 55.) Check the power control settings. (See page 50.) The unit's internal temperature has increased. Remove any objects blocking vent or clean.
<ul style="list-style-type: none"> No picture 	<ul style="list-style-type: none"> Is connection to other components correct? (See pages 33 and 34.) Is correct input signal source selected after connection? (See page 51.) Is the correct input selected? (See page 51.) Is picture adjustment correct? (See pages 47 to 48.) Is "On" selected in "Audio Only"? (See page 58.) Is a non-compatible signal being input? (See page 34.)
<ul style="list-style-type: none"> No sound 	<ul style="list-style-type: none"> Is the volume too low? (See page 38.) Is "Variable" selected in "Output Select"? (See page 58.) Have you pressed MUTE on the remote control unit? (See page 38.)
<ul style="list-style-type: none"> The TV sometimes makes a cracking sound. 	<ul style="list-style-type: none"> This is not a malfunction. This happens when the cabinet slightly expands and contracts according to change in temperature. This does not affect the TV's performance.

Troubleshooting-Digital broadcasting

The error message about reception of broadcast

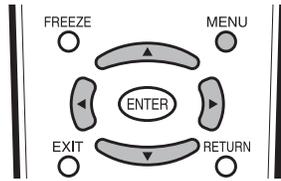
The example of an error message displayed on a screen	Error code	Possible Solution
<ul style="list-style-type: none"> Failed to receive broadcast. 	E202	<ul style="list-style-type: none"> Check the antenna cable. Check that the antenna is correctly setup.
<ul style="list-style-type: none"> No broadcast now. 	E203	<ul style="list-style-type: none"> Check the broadcast time in the program guide.

Cautions regarding use in high and low temperature environments

- When the unit is used in a low temperature space (e.g. room, office), the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
- Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the Liquid Crystal panel to malfunction.
Storage temperature: -4°F to +140°F (-20°C to +60°C)

CLEARING THE SECRET NUMBER

If you forget the secret number, clear the secret number using the following procedure.

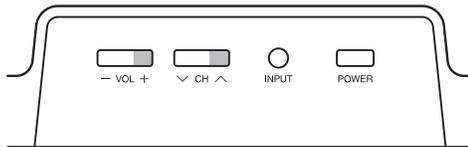


1 Press **MENU** to display the MENU screen, and then press ◀/▶ to select “Setup”.

2 Press ▲/▼ to select “EZ Setup”, “CH Setup”, “Parental CTRL” or “Reset”, and the Secret number input screen displays.



3 Press and hold both **CH▲** and **VOL+** on the TV simultaneously until the message appears on the screen.



The secret number is

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NOTE

- As a precautionary measure, make a note of your secret number above, cut it from this manual, and keep it in a safe place.

SHARP®

SHARP ELECTRONICS CORPORATION

Sharp Plaza, Mahwah, New Jersey 07430-2135

SHARP CORPORATION

TINS-D140WJZZ
07P08-NA-WG