

SOLID STATE COLOR TV



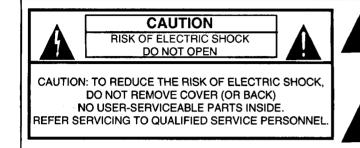
OPERATING GUIDE

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Your new HITACHI COLOR TV incorporates a host of features designed to give you excellent performance if you follow the instructions in this manual. We recommend that you read the following instructions and "IMPORTANT SAFE-GUARDS" notice before turning on your TV set for the first time.

Follow all warnings and instructions marked on this television receiver.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

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

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS TELEVISION SYSTEM TO RAIN OR MOISTURE.

NOTE: • There are no user serviceable parts inside the receiver.
• Model number and serial number are indicated on back side of the set.

POWER SOURCE:

This HITACHI color TV is designed to operate on 120 volts 60 Hz, AC household current. Insert power cord into a 120 volt 60 Hz outlet.

TO PREVENT ELECTRIC SHOCK, DO NOT USE THE TELEVISION'S PLUG WITH AN EXTENSION CORD, RECEPTACLE, OR OTHER OUTLET UNLESS THE BLADES AND GROUND TERMINAL CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

NEVER CONNECT THE TV TO 50 Hz, DIRECT CURRENT, OR ANYTHING OTHER THAN THE SPECIFIED VOLTAGE.

NOTE: This television receiver will display television closed captioning, (**CC** or **D**), in accordance with paragraph 15.119 of the FCC rules.

SAFETY TIPS



IMPORTANT SAFEGUARDS

CAUTION:

- Read all of these instructions
- Save these instructions for later use.
- * Follow all warnings and instructions marked on the television receiver. Our reputation has been built on the quality, performance, and ease of service of HITACHI television receivers.

Safety is also foremost in our minds in the design of these units. To help you operate these products properly, this folder illustrates safety tips which will be of benefit to you. Please read it carefully and apply the knowledge you obtain from it to the proper operation of your HITACHI television receiver.

Please fill out your warranty card at once and mail it to HITACHI. This will enable HITACHI to notify you promptly in the improbable event that a safety problem should be discovered in your model of product.

FOR YOUR PERSONAL SAFETY

- This television set is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- 2 When the power cord or plug is damaged or frayed, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
- з Do not overload wall outlets and extension cords as this can result in fire or electric shock.
- 4 Do not allow anything to rest on or roll over the power cord, and do not place the TV where the power cord is subject to traffic or abuse. This may result in a shock or fire hazard.
- 5 Do not attempt to service this television set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- Never push objects of any kind into this television 6 set through cabinet slots 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 television set.

PROTECTION AND LOCATION OF YOUR SET

- 12 Do not use this television set near water, for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
- Never expose the set to rain or water. If the set has been exposed to rain or water, unplug the set from the wall outlet and refer to servicing personnel
- Choose a place where light (artificial or sunlight) 13 does not shine directly on the screen.
- Avoid dusty places, since accumulated dust 14 inside the chassis may cause failure of the set when high humidity persists.

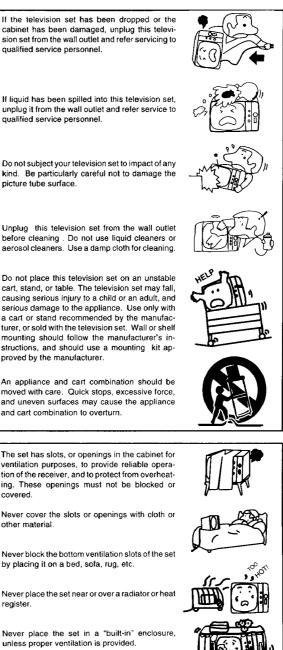




SAFETY POINTS YOU SHOULD KNOW ABOUT

YOUR HITACHI TELEVISION RECEIVER

- If liquid has been spilled into this television set, unplug it from the wall outlet and refer service to qualified service personnel.
- Do not subject your television set to impact of any kind. Be particularly careful not to damage the picture tube surface.
- 10 Unplug this television set from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 11-1 Do not place this television set on an unstable cart, stand, or table. The television set may fall, causing serious injury to a child or an adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer, or sold with the television set. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.
- 11-2 An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
- The set has slots, or openings in the cabinet for 15 ventilation purposes, to provide reliable operation of the receiver, and to protect from overheating. These openings must not be blocked or covered
 - Never cover the slots or openings with cloth or other material.
- Never block the bottom ventilation slots of the set by placing it on a bed, sofa, rug, etc.
- Never place the set near or over a radiator or heat register.
- Never place the set in a "built-in" enclosure unless proper ventilation is provided.

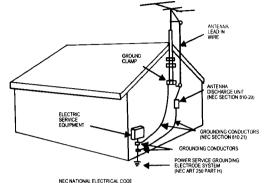




SAFETY TIPS

PROTECTION AND LOCATION OF YOUR SET

16-1 If an outside antenna is connected to the television set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges, Section 810 of the National Electrical Code, NFPA No. 70-1975, provides information with respect to proper grounding of the mast and supporting structure,



EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE INSTRUCTIONS

OPERATION OF YOUR SET

19 This television set 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 at your home, consult your television dealer or local power company. For television sets designed to operate from battery power, refer to the operating instructions.



- grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrode, and requirements for the arounding electrode.
- 16-2 Note to CATV system installer: (Only for the television set with CATV reception) This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.
- 17 An outside antenna system should not be located in the vicinity of overhead power lines or other electrical lights or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- 18 For added protection for this television set during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage due to lightning and power-line surges.
- 20 If the television set does not operate normally by following the operating instructions, unplug this television set from the wall outlet and refer servicing to qualified service personnel. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the television set to normal operation.
- 21 When going on a holiday: If your television set is to remain unused for a period of time, turn the television set "off' and unplug it from the wall outlet.



22 If you are unable to restore normal operation by following the detailed procedure in your operating instructions, do not attempt any further adjustment. Unplug the set and call your dealer or service technician.



- 23 Whenever the television set is damaged or fails, or a distinct change in performance indicates a need for service, unplug the set and have it checked by a professional service technician.
- 24 It is normal for some TV sets to make occasional snapping or popping sounds, particularly when being turned on or off. If the snapping or popping is continuous or frequent, unplug the set and consult your dealer or service technician.



FOR SERVICING AND MODIFICATION

- 25 Do not use attachments not recommended by the television set manufacturer as they may cause hazards.
- 26 When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.



Upon completion of any service or repairs to the television set, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.





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WARNING

Continuous on-screen displays such as video games, stock market quotations, computer generated graphics, and other fixed (non-moving) patterns can cause permanent damage to color television receivers. Such "PATTERN BURNS" constitute misuse and are <u>NOT COVERED</u> by your Hitachi Factory Warranty.

When using the Picture-in-Picture function, the sub-picture should not be left permanently in one corner of the screen or a "pattern burn" may develop over a long period of time.

This Color television receiver was intended mainly for the private viewing of programs broadcast by TV stations and cable companies and programs from other video sources. Public viewing may require prior authorization from the broadcaster or owner of the video program.



Check to make sure you have the following accessories before disposing of the packing material.

- 1. Remote Control Unit (See Part No. Below)
- 2. Two "AA" size, 1.5V batteries (For Remote Contol Unit)

For information regarding how to obtain these accessories, please call TOLL FREE 1-800-448-2244 for your nearest HITACHI Authorized Parts Distributor in the continental United States. For Alaska and Hawaii, please contact your nearest HITACHI Regional office.

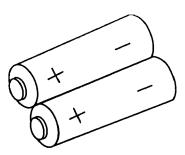
PART NAME	PART NO.	ILLUSTRATION
27CX6B CLU-415UI REMOTE TRANSMITTER	HL00224	
27CX25B/20SA3B CLU-414UI REMOTE TRANSMITTER	HL00223	
27CX5B CLU-412U REMOTE TRANSMITTER	HL00221	С С </td
27V TELEVISION STAND SP271B (Not included, order separately)	H530021	CUSTOM HITACHI TELEVISION STAND Excellent for VCR and videotape storage. Special Features: curved smoke glass doors, adjustable shelf. Available in Black.

The television stand model SP271B is designed for use only with HITACHI TV models 27CX5B, 27CX6B, and 27CX25B. Use with other television equipment may result in instability, causing possible injury.

REMOTE CONTROL BATTERY INSTALLATION AND REPLACEMENT

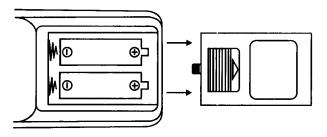


- 1. Open the battery cover of the remote transmitter by pushing the notched part of the cover with your fingers.
- 2. Insert new "AA" size (SUM-3) batteries or equivalent for the Genius Remote. When replacing old batteries, push them towards the springs and lift them out.
- 3. Match the (+) and (-) marks in the battery compartment.



BOTTOM VIEW

4. Replace the cover.



CAUTIONS

- 1. If your television set is to remain unused for a long period of time, for instance, when you go on a vacation, unplug the television set from the wall outlet.
- 2. Do not subject the Remote Transmitter to shocks such as dropping it on the floor, etc. Precision parts may be damaged.
- 3. Do not allow the Remote Transmitter to become wet and avoid placing it in areas of high humidity. Don't leave it on or near a heater. Excess heat or moisture may cause the unit to cease operation.
- 4. If the batteries become exhausted, Remote Control operation may become erratic or stop altogether. Replace the old batteries with fresh "AA" (SUM-3) types.

NOTES

- 1. The channel No. indication, volume indication and OFF TIMER indication are not displayed simultaneously.
- 2. To operate your TV, point the Remote Transmitter at the remote sensor of the TV.



HOW TO SET UP YOUR NEW HITACHI COLOR TV

ANTENNA

Unless your TV is connected to a cable TV system or to a centralized antenna system, a good outdoor color TV antenna is recommended for the best performance. However, if you are located in an exceptionally good signal area that is free from interference and multiple image ghosts, an indoor antenna may be sufficient.

LOCATION

Select an area where sunlight or bright indoor illumination will not fall directly on the picture screen. Also, be sure that the location selected allows a free flow of air to and from the cover of the set.

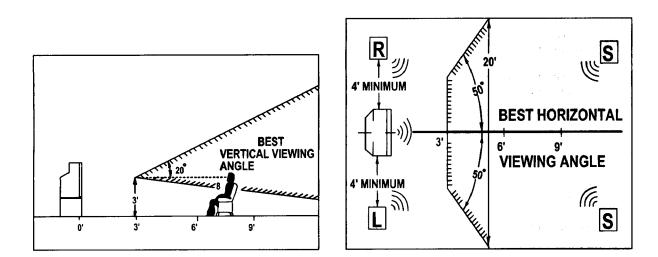
To avoid cabinet warping, cabinet color changes, and increased chance of set failure, do not place the TV where temperatures can become excessively hot. For example, in direct sunlight or near a heating appliance, etc.

VIEWING

The major benefit of the HITACHI Color Television is its viewing screen. To see this screen at its best, test various locations in the room to find the best spot for viewing. The drawings give several suggestions.

The best picture is seen by sitting directly in front of the TV and about 6 to 9 feet from the screen.

During daylight hours, reflections from outside light may appear on the screen. If so, drapes or screens can be used to reduce the reflection or the TV can be located in a different section of the room. If the TV's audio output will be connected to a Hi-Fi system's external speakers, the best audio performance will be obtained by placing the speakers equidistant from each side of the receiver cabinet and as close as possible to the height of the picture screen center. For best stereo separation, place the external speakers at least 4 feet from the side of the TV. Place the surround speakers to the side or behind the viewing area. Differences in room sizes and acoustical environments will require some experimentation with speaker placement for best performance.

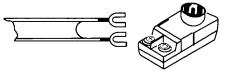


CAUTION: The magnetic field of external speakers may cause the TV picture to distort if the speakers are placed too close to the television. Move the speakers away from the TV until there is no picture distortion.

HOOK-UP CABLES AND CONNECTORS



Most video/audio connections between components can be made with shielded video and audio cables that have phono connectors. For best performance, video cables should use 75-ohm coaxial shielded wire. Cables can be purchased from most stores that sell audio/video products. Below are illustrations and names of common connectors. Before purchasing any cables, be sure of the output and input connector types required by the various components. Also make sure the cables are the correct length.



300-Ohm Twin Lead Connector

This outdoor antenna cable must be connected to an antenna adaptor (300-Ohm to 75-Ohm).



Phono Connector

Used on all standard video and audio cables which connect to inputs and outputs located on the Television's front and rear jack panels.

"F" Type 75-Ohm Coaxial Antenna Connector

For connecting RF signals (antenna or cable TV) to the

S-Video (Super Video) Connector

antenna jack on the television.

This connector is used on camcorders, VCR's, and laser disc players with an S-Video feature in place of the standard video cable to produce a high-quality picture.

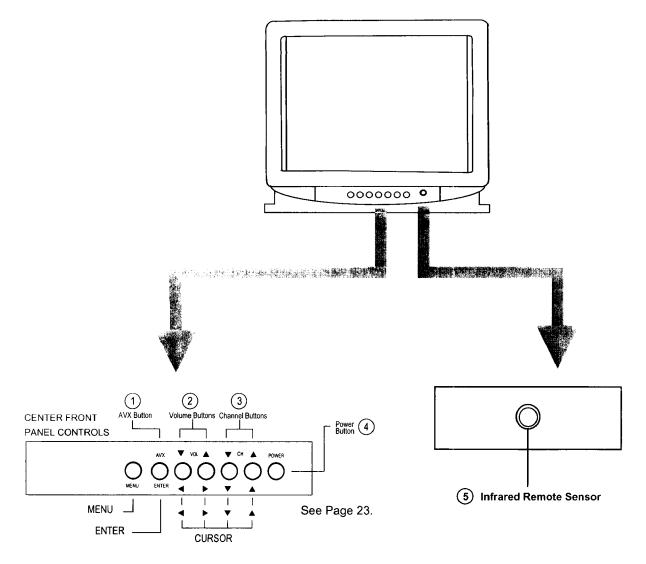
ANTENNA CONNECTIONS

These sets are equipped with one VHF/UHF antenna terminal. The VHF/UHF terminal can be used for normal TV, cable TV (CATV), a TV game, etc.

1. VHF (75 Ohm) antenna/CATV	3. When both VHF and UHF antennas are
When using a 75 ohm coaxial cable system, disconnec	
the VHF adaptor from the VHF 75 ohm receptacle and	Attach an optional ANT.MIXER to the TV antenna
connect the outdoor antenna or CATV cable to a VHF	terminal, and connect the cables to the ANT. MIXER.
75 ohm receptacle.	
	(Rear of TV Set) VHF/UHF
To outdoor antenna or CATV cable	To UHF Antenna 🥢 VHF antenna
VHF/UHF	1. ¥ 1
f 🕲 (disconnect)	
75 Ohm Coaxial Cable	
	Antenna mixer
2. VHF (300 Ohm) antenna/UHF antenna	Notes:
When using a 300 ohm twin lead from an outdoor	1. If an outdoor antenna/CATV is to be used, discon-
antenna, disconnect the (VHF or UHF) indoor antenna	nect the indoor antenna. Do not leave both the
leads from screws of the (VHF or UHF) adaptor, and	indoor and outdoor antennas/CATV connected at
connect outdoor (VHF or UHF) antenna leads to these	the same time, since ghosting and poor reception
screws of a (VHF or UHF) adaptor.	may result.
▲ To outdoor VHF	
or UHF Antenna	2. Consult your dealer or service store for the ANT.
Connect)	MIXER and (VHF or UHF) adaptor.
VHF Adapter	
	• The second environment (deceder) will be experied by
	3. The special converter (decoder) will be supplied by
	the cable company.

FRONT PANEL CONTROLS FOR 27CX5B, 27CX6B, AND 27CX25B

FRONT VIEW

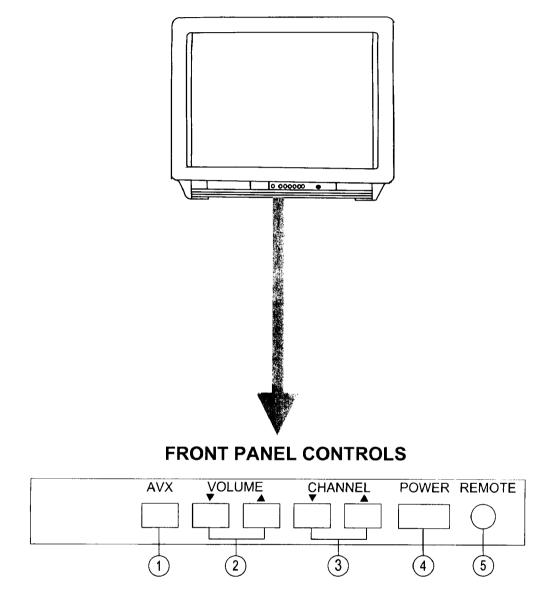


A detailed explanation of the circled numbers is on the following pages. (example: (1)).

NOTE: The "Program Icon", "Clock Icon" and Channel Memory Menu in "Set Up" are not displayed using the Front Menu Key. This feature uses the numbered buttons which are not in the front panel and the CH UP/DOWN button is disabled at Menu Function. For complete Menu Icon, use the remote control supplied.



FRONT VIEW





(1) AVX (Audio/Video) Selector

Press this button to select the current antenna source or VIDEO: 1. Your selection is shown in the top right corner of the screen.



Press these buttons for your desired sound level. The volume level will be displayed on the TV screen.



CHANNEL Selector

Press these buttons until the desired channel appears in the top right corner of the TV screen.

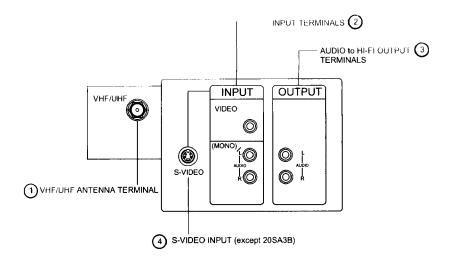


POWER Button Press this button to turn the TV on or off.

NOTE: Your HITACHI TV will appear to be turned "OFF" if there is no video input when VIDEO is selected. If you have no input to VIDEO, press the AVX button until the normal broadcast picture appears (See page 23). If a picture does not appear, the power is "OFF".



Point your Remote at this area when selecting channels, adjusting volume, etc.



Antenna Inputs

(1)

The VHF/UHF terminal can be used for normal TV, cable TV (CATV), a TV game, etc.

(2) Audio/Video Input

The "AVX" (Auxiliary video) button will step through each video source and the current antenna input each time it is pressed. Use the audio and video inputs to connect external devices, such as VCR's, camcorders, laser disc players, video games, etc.

(3) Audio to Hi-Fi

These jacks provide variable audio output to a separate stereo system amplifier. With this connection, the audio to the stereo can be controlled by the television's remote control.

(4) S-Video (except 20SA3B)

Input 1 provides S-Video (Super Video) jacks for connecting equipment with S-Video output capability.

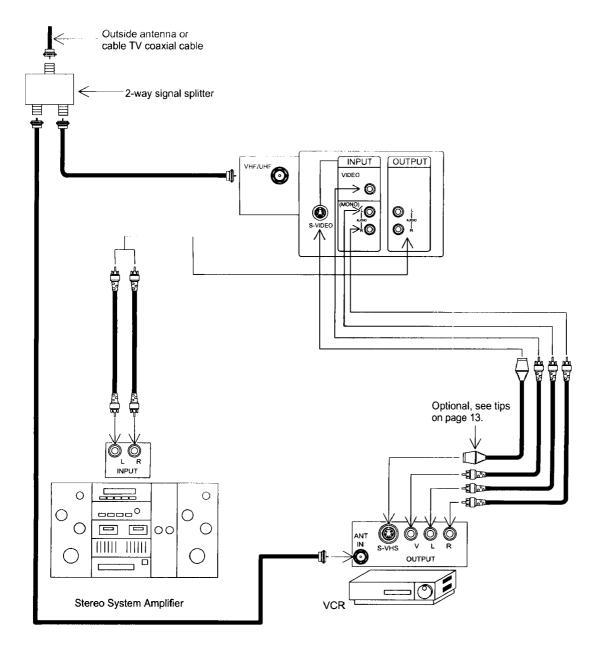
TIPS ON REAR PANEL CONNECTIONS

The S-Video connection is provided for high performance laser discs, VCR's, etc., that have this feature. Use this connection in place of the standard video connection if your device has this feature.

If your device has only one audio output (mono sound), connect it to the left audio jack on the TV.

Refer to the operating guide of your other electronic equipment for additional information on connecting your hook-up cables.





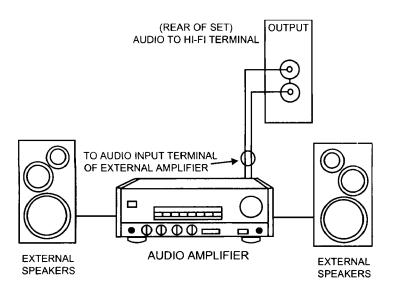
Typical full feature set-up. Follow connections that pertain to your personal entertainment system.

EXTERNAL CONNECTIONS



CONNECTING EXTERNAL AUDIO AMPLIFIER

To control the audio level of an external audio amplifier with the remote transmitter, connect the system as shown below in Fig. 1.



NOTE: To prevent damage to the speaker and distorted sound, set the volume control of the audio amplifier lower and adjust the sound level using the volume control on the remote transmitter of the TV set.

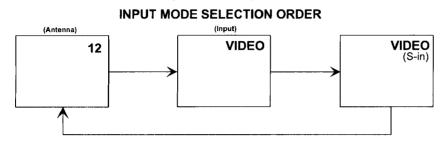


CONNECTING EXTERNAL VIDEO SOURCES

The exact arrangement you use to connect the Video Cassette Recorder, Video Disc Player and Video Camera to your TV set is dependent on the model and features of each component. Check the Owner's Manual of each component for the location of its video and audio inputs and outputs. The following connection diagrams are offered as suggestions. However, you may need to modify them to accommodate your particular assortment of components and features. For best performance, video and audio cables should be made from coaxial shielded wire.

Before Operating External Video Source

The input mode is changed every time the AVX button is pressed as shown below. Connect External source to the INPUT terminal, then press the AVX button as necessary to view the input source.

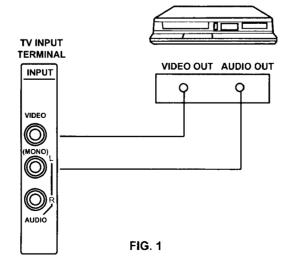


NOTE: When TV is set to "VIDEO" and a video signal is not received from VIDEO INPUT JACK on the jack panel of the TV (i.e., VCR/Video Disc Player, etc. is not connected or the video device is OFF), the screen will be grey-blue.

CONNECTING MONAURAL AUDIO VCR OR VIDEO DISC PLAYER

- 1. Connect the cable from the VIDEO OUT of the VCR or the Video Disc Player to the INPUT (VIDEO) jack on the TV set. (Fig. 1)
- Connect the cable from the AUDIO OUT of the VCR or Video Disc Player to the INPUT (MONO)/L(AUDIO) jack. (Fig. 1)
- 3. Press the AVX button to view the program from the VCR or Video Disc Player. The mode "VIDEO" disappears automatically after approximately 8 seconds.
- 4. Press the AVX button to return to the previous channel.
- 5. See Below.

Video Cassette Recorder



CONNECTING EXTERNAL VIDEO SOURCES

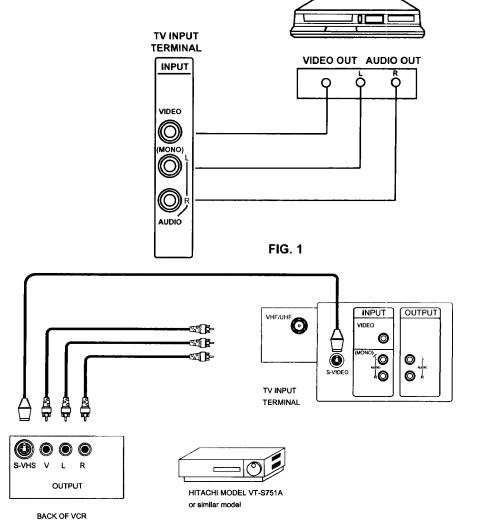


CONNECTING STEREO VCR OR STEREO VIDEO DISC PLAYER

- 1. Connect the cable from the VIDEO OUT of the VCR or the Video Disc Player to the "INPUT (VIDEO)" jack on the TV set. (Fig. 1)
- Connect the cable from the AUDIO OUT "R" of the VCR or the Video Disc Player to the "INPUT(AUDIO/R)" jack. (Fig. 1)
- 3. Connect the cable from the AUDIO OUT "L" of the VCR or the Video Disc Player to the "INPUT(AUDIO/L)" jack. (Fig. 1)
- 4. Press the AVX button to view the program from the VCR or Video Disc Player. The mode "VIDEO" disappears automatically after approximately 8 seconds.

Video Cassette Record

5. Press the AVX button to return to the previous channel.



NOTE: Completely insert the connection cord plugs when connecting to REAR panel jacks. If you do not the picture that is played back may be abnormal.

If you have an S-VHS VCR, use the S INPUT cable in place of the standard video cable.

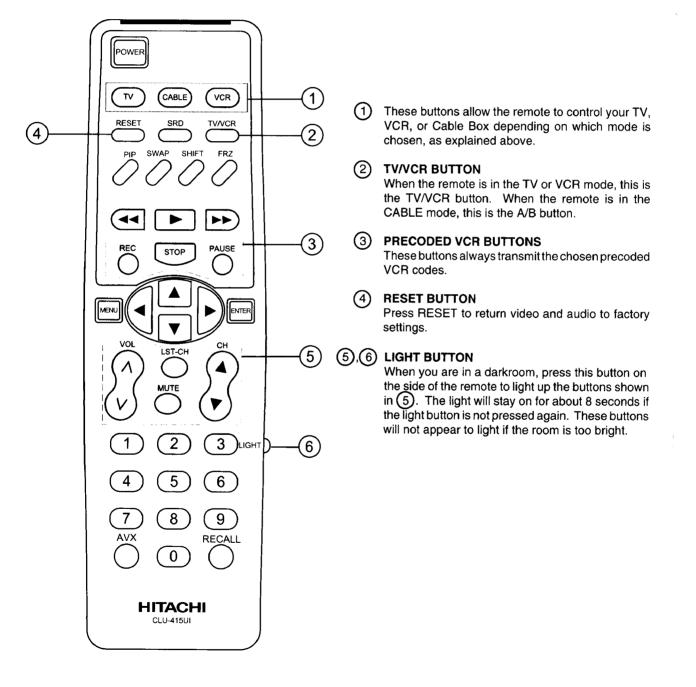


In addition to controlling all the functions on your HITACHI Color TV, the new remote is designed to operate different types of VCR's and CATV (Cable TV) converters with one touch. Basic operation keys are grouped together in one area.

To operate your TV, point the remote at the remote sensor of the TV and press the TV button on the remote. The remote will now control your TV.

To operate your VCR, point the remote at the remote sensor of the VCR and press the VCR button. The remote will now control your VCR.

To operate your Cable Box, point the remote at the remote sensor of the Cable Box and press the CABLE button on the remote. The remote will now control your cable box.



THE REMOTE CONTROL (CLU-414UI)

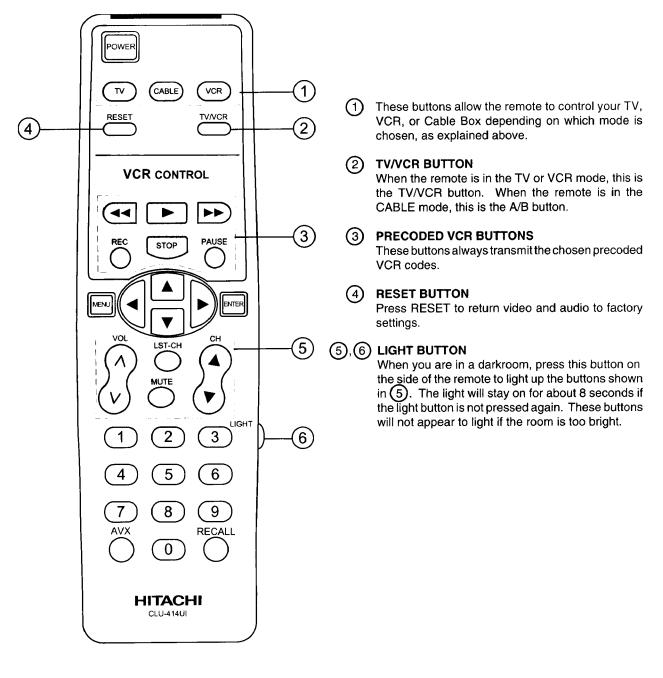


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To operate your TV, point the remote at the remote sensor of the TV and press the TV button on the remote. The remote will now control your TV.

To operate your VCR, point the remote at the remote sensor of the VCR and press the VCR button. The remote will now control your VCR.

To operate your Cable Box, point the remote at the remote sensor of the Cable Box and press the CABLE button on the remote. The remote will now control your cable box.



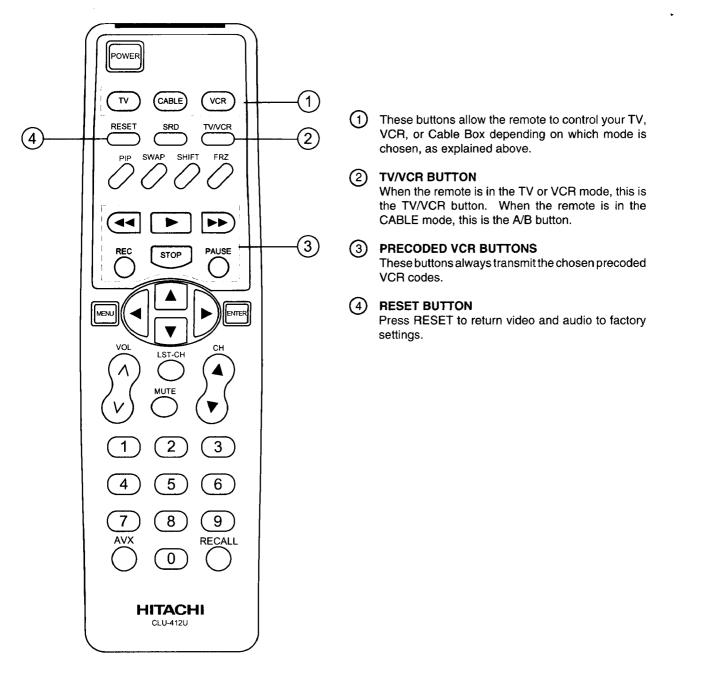


In addition to controlling all the functions on your HITACHI Color TV, the new remote is designed to operate different types of VCR's and CATV (Cable TV) converters with one touch. Basic operation keys are grouped together in one area.

To operate your TV, point the remote at the remote sensor of the TV and press the TV button on the remote. The remote will now control your TV.

To operate your VCR, point the remote at the remote sensor of the VCR and press the VCR button. The remote will now control your VCR.

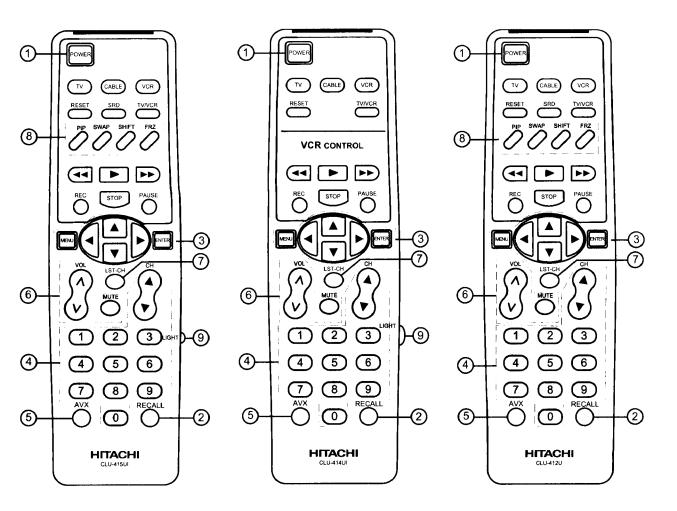
To operate your Cable Box, point the remote at the remote sensor of the Cable Box and press the CABLE button on the remote. The remote will now control your cable box.





HOW TO USE THE REMOTE TO CONTROL YOUR TV

A detailed explanation of the circled numbers is on the following pages. (example: (1)).





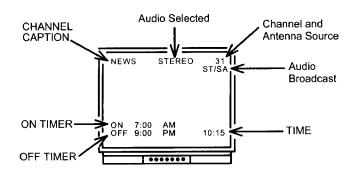
(1) **POWER Button**

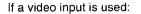
Press this button to turn the TV set on or off. If a message is set, it will be displayed when the TV is first turned on. (See page 42.)

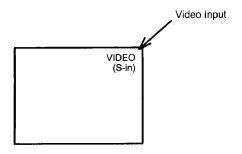
(2) **RECALL** Button

When you want to check the channel being received, or if it has a stereo (ST) or second audio program (SAP), press the RECALL button.

You can also check the time, and if the ON TIME or OFF TIME has been set. (See page 41.)







You can also use the RECALL button to quickly clear many of the other On-Screen Displays.

HOW TO USE THE REMOTE TO CONTROL YOUR TV



(3) MENU, ENTER, CURSOR Buttons

All the on-screen display features can be set or adjusted by using these buttons.

The "MENU" button will start or exit the on-screen display.

The "CURSOR" buttons will highlight functions or adjust different features.

The "ENTER" button will set features to your preference.

(4) CHANNEL SELECTOR Buttons

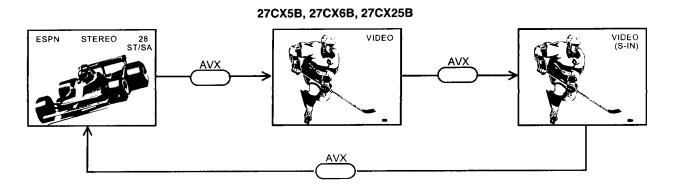
Enter two or three numbers to select channels. Enter a "0" first for channels 1 to 9. For channels over 100, press 1 and wait for 2 seconds before pressing the last two digits of the channel.

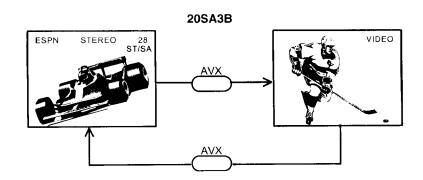
Channel selection may also be performed by pressing channel (\blacktriangle) or down (\triangledown).

NOTE: The TV may not receive some channels if you are not in the correct AIR/CABLE mode. See page 34.

(5) AVX Button

The AVX (Auxiliary Video) button will select between the antenna signal and the video input jacks each time the button is pressed. If the Picture-in-Picture (PinP) is on, the AVX will not select to any source signal. (See page 30.) Model 27CX25B does not have PINP function.



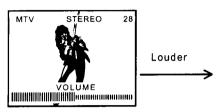




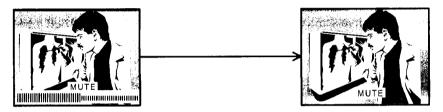
6 VOLUME, MUTE Buttons

Press the "VOLUME" up (\blacktriangle) or down (\blacktriangledown) button until you obtain the desired sound level.

To turn the sound off instantly to answer the telephone, etc., press the "MUTE" button. Press the "MUTE" button again or press the "VOLUME" up (\triangle) button to restore the sound.



The word "MUTE" will remain displayed if the CLOSED CAPTION feature is turned off.

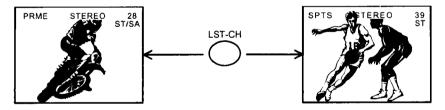


The word "MUTE" will not be displayed if the CLOSED CAPTION feature is on.



7 LAST CHANNEL (LST-CH) Button

Use this button to select between the last two channels viewed. (Good for watching two sporting events, etc.)



8 PICTURE-IN-PICTURE (CLU-414UI does not have a PINP function.) See separate section on page 25 for a description.

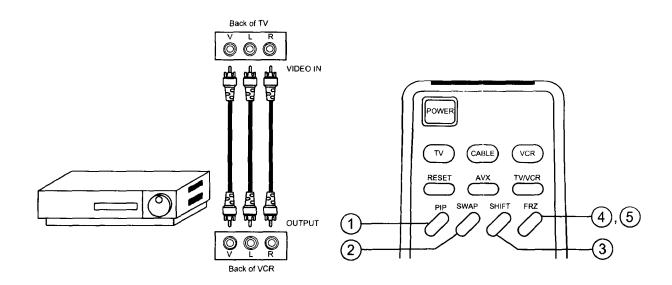
(9) LIGHT Button (CLU-412U does not have a light button.)

When you are in a dark room, press this button to light up the volume and channel buttons. The light will stay on for about 8 seconds if no buttons are pressed. The buttons will not appear to light if the room is too bright.

PICTURE-IN-PICTURE (PIP)

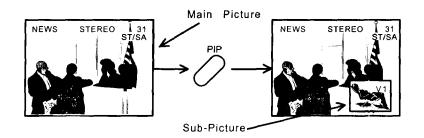


The Picture-in-Picture feature is convenient when you want to watch more than one program at the same time. You can watch a TV program while viewing a VCR program (TV or tape) on the video inputs.



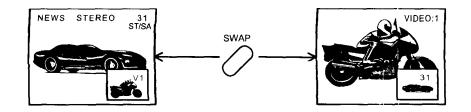
1 P-IN-P BUTTON

Press the "P IN P" button and sub-picture appears in one corner of the screen. Press the button a second time to remove the sub-picture from the screen. The TV channel will always be either the main picture or the sub-picture.



(2) SWAP BUTTON

If you wish to switch what is being shown on the main picture to the sub-picture, press the "SWAP" button.

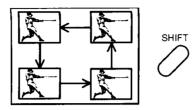


NOTE: Model 27CX25B and 20SA3B do not have P-IN-P function.



B) SHIFT BUTTON

To move the sub-picture to another corner, press the "SHIFT" button. The sub-picture moves one step counterclockwise every time the "SHIFT" button is pressed.

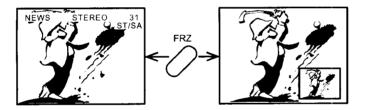


(4) FREEZE (FRZ) BUTTON

If you wish to freeze the sub-picture, press the "FRZ" button. This is convenient when trying to write down the address for a mail order company, recording statistics for a sporting event, etc. To return to motion, press the button again.

(5) FREEZE (FRZ) BUTTON WITHOUT A SUB-PICTURE (QUICK FREEZE)

Press this button without a sub-picture to freeze the picture you are currently viewing. Press this button again to return to normal viewing. The SWAP button will not work with this FREEZE function.





CAUTION: A pattern burn may develop if the sub-picture is left in the same corner permanently. If the PIP feature is used frequently, occasionally shift the sub-picture to a different corner.

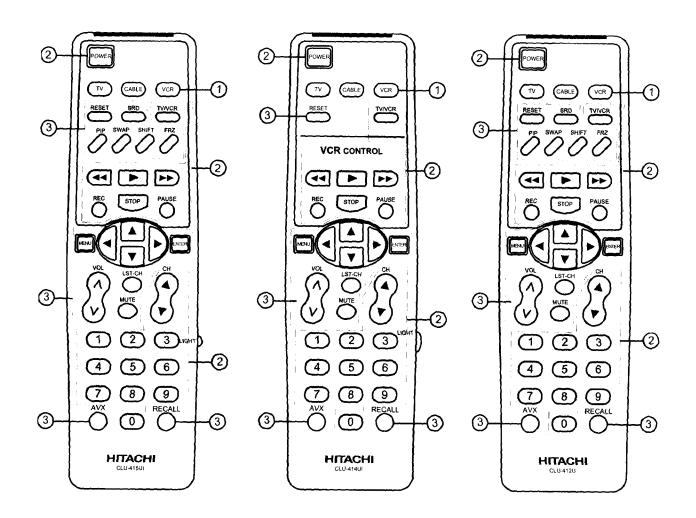
NOTE:

- 1. Only sound from the main picture can be heard.
- 2. P-IN-P will not work with a CHILD LOCK channel as the main picture but it will be displayed as a Sub-Picture.
- 3. When the "P-in-P" button is pressed, the sub-picture will appear in the same position as previously set.



USING THE REMOTE TO CONTROL VCR FUNCTIONS

A detailed explanation of the circled numbers is on the following pages. (example: (1)).





Operating the pre-coded function for your VCR

This remote is designed to operate different types of VCR's. You must first program the remote to match the remote system in your VCR. (Refer to page 31.)

- 1. Turn on your VCR.
- 2. Aim the remote control at the front of your VCR.
- 3. Press the VCR button to switch to the VCR pre-coded mode.
- 4. While holding down the VCR button, enter the 2 digit preset code that matches your VCR as shown on page 31. The remote will turn off your VCR when the correct 2 digit preset code is entered. When this occurs, the remote control is programmed for your VCR. If the VCR does not turn off after 5 seconds, try a different 2 digit preset code.
- 5. The remote will now control your VCR.

NOTES:

- 1. If your VCR cannot be operated after performing the above procedures, this means that your VCR's codes have not been precoded into the remote.
- 2. In the unlikely event that your VCR cannot be operated after performing the above procedures, consult your VCR operating guide.
- 3. The remote control will remember the codes you have programmed in until the batteries are removed from the remote control. After replacing the batteries repeat the entire programming procedure stated above.
- 4. If your VCR does not have a power function, the remote will issue the CHANNEL UP function.

1) VCR BUTTON

This allows the remote to control your VCR by setting it to VCR mode.

2) PRECODED VCR BUTTONS

These buttons transmit the chosen precoded VCR codes. For some VCR's, you must press the RECORD button twice to record a program.

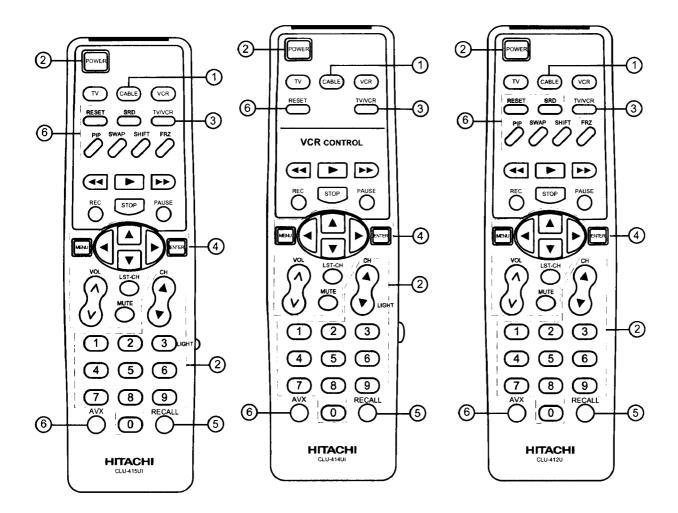
B) EXCLUSIVE TV BUTTONS

These buttons are for operating the TV.

NOTE: Refer to the instruction manual of the VCR for operation of the buttons exclusively for the VCR.



A detailed explanation of the circled numbers is on the following pages. (example:(1)).





USING THE REMOTE TO CONTROL CABLE BOX FUNCTIONS

Operating the pre-coded function for your cable box

This remote is designed to operate different types of Cable Boxes. You must first program the remote to match the remote system in your cable box. (Refer to page 31.)

- 1. Turn on your cable box.
- 2. Aim the remote control at the front of your cable box.
- 3. Press the cable box button to switch to the cable box pre-coded mode.
- 4. While holding down the CABLE button, enter the 2 digit preset code that matches your cable box as shown on page 31. The remote will turn off your cable box when the correct 2 digit preset code is entered. When this occurs, the remote control is programmed for your cable box. If the cable box does not turn off after 5 seconds, try a different 2 digit preset code.
- 5. The remote will now control your cable box.

NOTES:

- 1. If your cable box cannot be operated after performing the above procedures, this means that your cable box codes have not been precoded into the remote.
- 2. In the unlikely event that your cable box cannot be operated after performing the above procedures, consult your cable box operating guide.
- 3. The remote control will remember the codes you have programmed in until the batteries are removed from the remote control. After replacing the batteries repeat the entire programming procedure stated above.
- 4. If your cable box does not have a power function, the remote will issue the CHANNEL UP function.

CABLE BUTTON

This button allows the remote to control your cable box by setting it to CABLE mode.

2) PRECODED CABLE BOX BUTTONS

These buttons transmit the chosen precoded CATV codes.

(3) TV/VCR BUTTON

When the remote is in CABLE mode, this is the A/B button.

(4) ENTER BUTTON

If your cable box does not have an enter function, this button will send the TV enter code.

5) **RECALL BUTTON**

If your cable box does not have a last channel function, this button will send the TV channel recall code.

6) EXCLUSIVE TV BUTTONS

These buttons are for operating the TV.

VCR AND CABLE BOX CODES



VCR BRAND	CODE
Adventura	00
Aiko	50
Aiwa	00
Akai	
American High	09
Asha	48
Audiovox	10
Beaumark	48
Bell & Howell	
Brandt	
Broksonic 33	3,37,43
Canon	09
Carver	28
ССЕ	. 27,50
Citizen	50
Colt	27
Craig 19	9,27,48
Curtis Mathes	09
Cybernex	48
Daewoo	. 17,50
Dynatech	00
Emerex	06
Emerson 00,01,10,	
	7,40,43
Fisher	. 19,30
Fuji	. 07,09
Funai	
Garrard	
GE	
Goldstar	. 10,11
Gradiente	
Harley Davidson	
Harman/ Kardon	
Harwood	
HI-Q	
Hitachi 00	, ,
Jensen	
JVC	
Kenwood11,14	
KLH	
Kodak	
Lloyd	
Logik	
LXI	
Magnavox 09	
Magnin	
Marantz 09 Marta	
Marta Matsushita	
MEI	
Memorex 00, 09,10	12.18
	0.30.48
MGA	16.23
MGN Technology	48
Minolta	15
Mitsubishi 16,2	3,26,45

1	
VCR BRAND	CODE
Motorola	
MTC	00,48
Multitech	00,27
NEC	11,13,14,26
Nikko	10
Noblex	48
Olympus	
Optimus	
Panasonic	
Penney 09,	
Pentax	
Philco	
Philips	
Pilot	
Pioneer	
Protec	
Pulsar	
Quartz	
Quasar	
Radio Shack	
RCA	
Realistic 00,09,10,	
Ricoh	
Runco	
Samsung	
Sanky	
Sansui	
Sanyo	
Scott 16,	17,33,37, 42,43
Sears 09,	10,15,18, 19,31
Sharp	20
Shintom	
Shogun	48
Singer	
Sony	06,07,08,09
STS	
Sylvania	00,09,16,28
Symphonic	
Tatung	
Teac	
Technics	
Teknika	
ТМК	
Toshiba	
Totevision	
Unitech	
Vector	
Vector Research	
Video Concepts	
Videosonic	
Wards 00,09,	
XR-1000	
XR1000	00.09
Yamaha	11.14
Zenith	07 08 12
11	
21	

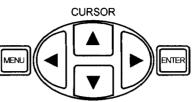
CABLE BRAND	CODE
ABC	1.12.14
Archer	
Belcor	
Cable Star	31
Century	40
Citizen	40
Contec	15
Garrard	
GC Electronics	31
Gemini	13
General Instrument	09
Hamlin	
Hitachi	09
Hytex	05
Jasco	40
Jerrold 03,09,10	0,12,13
Memorex	00
Movie Time	
NSC	
Oak 05	5,15,47
Panasonic	17
Paragon	00
Philips	
Pioneer	
Pulsar	
RCA	
Regal 10	
Rembrant	
Runco	
Samsung	39
Scientific Atlanta 04,00	
Signal	
Signature	
Sprucer	
Standard Components	
Starcom	, -
Stargate	
Starquest	
Tocom 10	0,11,33

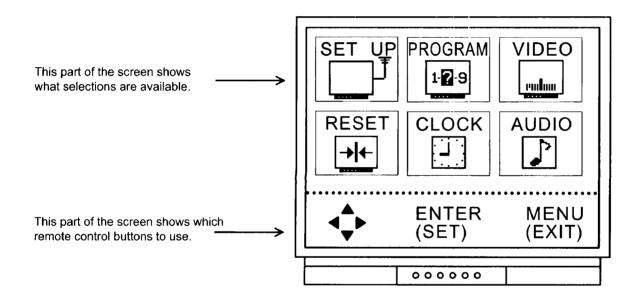


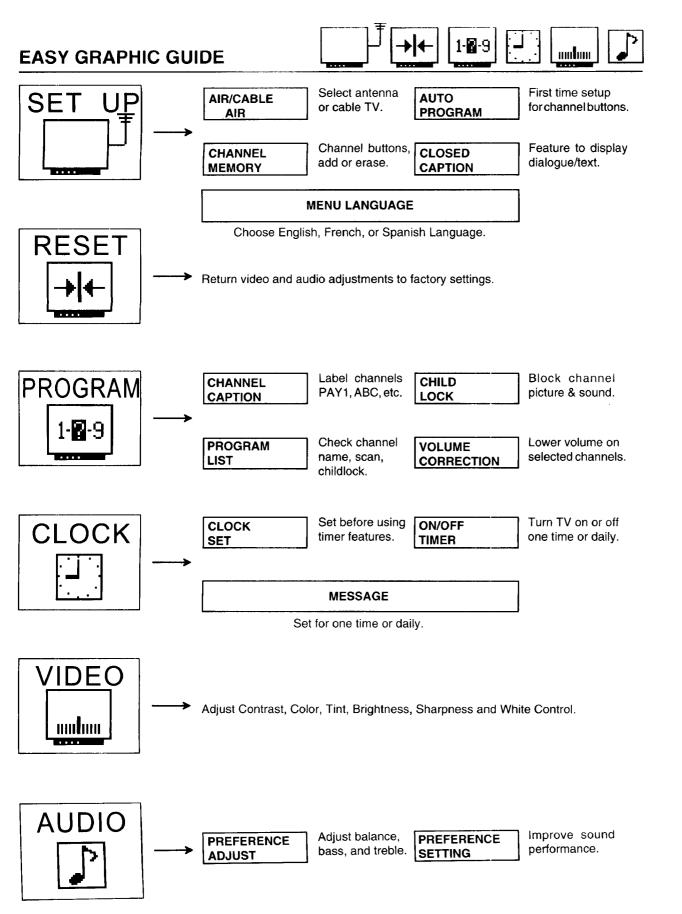
1 Press MENU on the remote control to display the different features on your HITACHI TV. The feature to be selected will be highlighted in a magenta (purple) color.

(2) Press the CURSOR buttons to highlight a different feature.

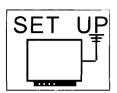
3 Press ENTER on the remote control to select a feature.



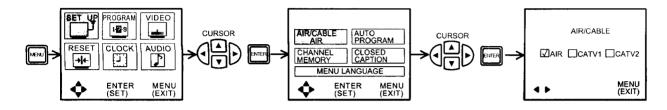








Select SET UP when setting your TV up for the first time. Use the CURSOR UP/DOWN buttons on the remote to highlight the function desired.





Select AIR if you are using an indoor or outdoor antenna. Select CATV if you have cable TV.

Press the CURSOR buttons to highlight the correct AIR/ CABLE mode and press MENU to exit. Your choice will be shown on the display. Your selection is shown here

	BLE AUT	0 DGRAM
CHANN		SED TION
MENU LANGUAGE		
\$	ENTER (SET)	MENU (EXIT)

RECEPTION BAND			
AIR	CATV 1 or CATV 2		
	CATV CHANNEL	Indicated on the screen	
VHF 2 ~ 13ch UHF 14 ~ 69ch	VHF 2 ~ 13	2 ~ 13	
	Mid band A ~ I A-5 ~ A-1	14 ~ 22 95 ~ 99	
	Super band J ~ W	23 ~ 36	
	Hyper band W + 1 ~ W + 28	37 ~ 64	
	Ultra band W + 29 ~ W + 84	65 ~ 125	

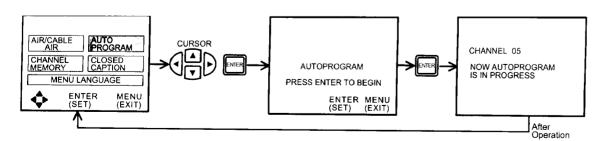
Reception channels for each mode are shown at the left.

Refer to your cable or TV guide for channel identification standards.

If certain CATV channels are poor or not possible in the CATV1 mode, set AIR/CABLE to CATV2.

AUTO PROGRAM

This feature will automatically store active TV channels in CHANNEL MEMORY. This will allow you to skip over unused channels when using the CHANNEL UP (\blacktriangle) or DOWN (\blacktriangledown) buttons.



If the MENU button is pressed while the auto programming function is engaged, programming will stop.

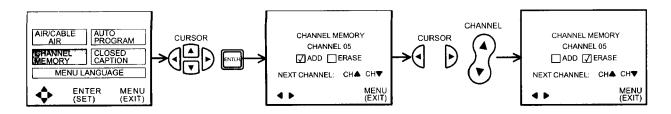
See CHANNEL MEMORY to add or erase additional channels.

SET UP



CHANNEL MEMORY

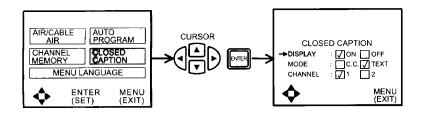
Use this function after AUTOPROGRAM to add or erase additional channels to the remote control CHANNEL \blacktriangle , \triangledown buttons. Your choice will be highlighted in yellow.



Add or erase additional channels while still in CHANNEL MEMORY using the CHANNEL A, w buttons or number buttons and then add or erase using the CURSOR \blacktriangleleft , buttons.



Closed captions are the dialogue, narration, and/or sound effects of a television program or home video which are displayed on the TV screen. Your local TV program guide denotes these programs as cc or



The selected function will be magenta. Your choice for the function will be blue.

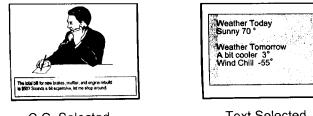
DISPLAY: ON/OFF is to turn the CC display on or off.

- MODE: C.C. (Closed Caption) is for the program you are viewing.
- MODE: TEXT is for additional information such as news reports or a TV program guide. This information covers the entire screen and viewing the TV program is not possible. TEXT may not be available with every cc program.

CHANNEL: 1 is used for the primary language (usually English).

CHANNEL: 2 is sometimes used for a second language (may vary by region).

Use the CURSOR 🔺 or 🔻 to highlight the function to change, press ENTER to change the function, and press MENU to exit.



C.C. Selected

Text Selected

NOTE: The word MUTE will not be displayed if the DISPLAY in ON. If you do not have sound, make sure MUTE is not set.

MENU LANGUAGE

This feature will allow you to select any one of 3 different languages for all on screen displays.

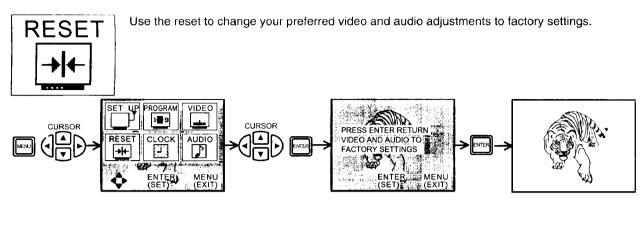


Use the cursor \blacktriangle , \blacktriangledown buttons to select the MENU LANGUAGE of your choice.

Press MENU to exit.

SET UP



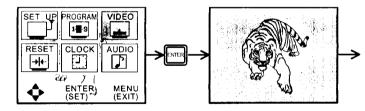


Factory Settings:

VIDEO

- Contrast: Color: Tint: *** Brightness: -----Sharpness: White Control: COOL
- AUDIO Balance: 14001414931000 [000000140914050 Bass: Treble: MTS Mode: Loudness: Internal Speakers: ON

NOTE: This RESET Selection will not change your preferred adjustments. To change back to your adjustments, see VIDEO (page 43) or Audio (page 44).

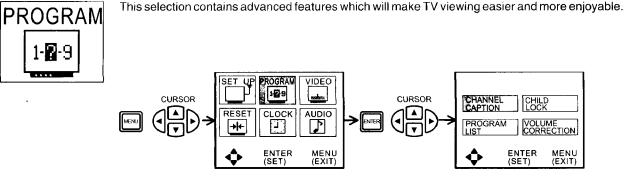


Your preferred video adjustments are now set

STEREO

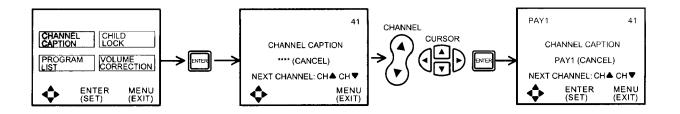
OFF







Use this feature to give up to 30 channels a name.



Press the CURSOR \blacktriangle , \blacktriangledown to select letters.

Press the CURSOR \triangleleft , \blacktriangleright to change position.

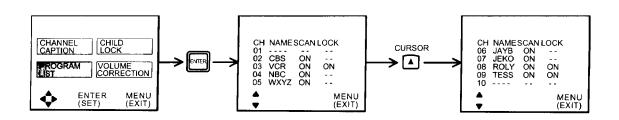
Press ENTER to set the CHANNEL CAPTION and it will appear in the top left corner of the screen.

Press CHANNEL \blacktriangle , \blacktriangledown or the number buttons to select additional channels for labeling. Press MENU to exit.

The (*) represents a blank space. Select CANCEL to erase a CHANNEL CAPTION.



This function allows you to view which channels are labeled CHANNEL CAPTION (NAME), which have been added to CHANNEL MEMORY (SCAN), and are protected by CHILD LOCK (LOCK).



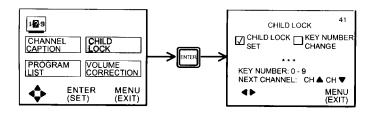
Press CURSOR \blacktriangle , \blacktriangledown to review more channels. Press MENU to EXIT.

PROGRAM

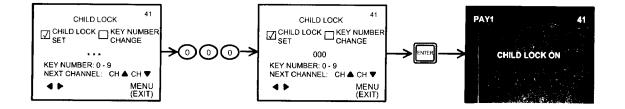


CHILD This function

This function will block out the picture and sound of the selected channel.



The code to set or cancel CHILD LOCK is a three digit key number. The factory preset key number is 000.



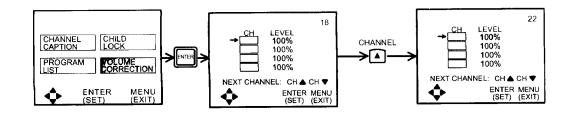
The picture and sound will now be blocked out for this channel. Repeat the same steps to cancel the CHILD LOCK.

To change the key number, select key number change. Enter the old number (factory preset 000 for first time use), then enter a new three digit key number you prefer.

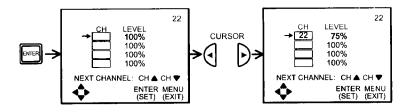
If you forget your key number, use the factory code 777 to erase your key number. This resets the key number back to the factory preset.



VOLUME CORRECTION Use this function to reduce the volume level of up to four TV channels that sound loud compared to other TV channels.



Press the CURSOR \blacktriangle , \checkmark to select one of the four volume corrections. Use the CHANNEL \blacktriangle , \checkmark or number buttons to select a channel.



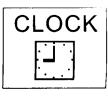
Press ENTER to set the channel. Press CURSOR ◀, ▶ to adjust volume level. Press MENU to exit.

NOTE: 1. VOLUME CORRECTION adjustment is for the channel displayed in the top right corner of the screen. To adjust a different channel, you must select the channel with the channel or number buttons and press ENTER.

- 2. If the channel has been corrected before, use the cursor ▲, ▼ to highlight that channel then use the cursor ◀, ▶ to change the level.
- 3. To erase a channel from the volume correction, select channel 00 and press ENTER.
- 4. The volume level will change from 50% to 100% in increments of 5%.

CLOCK

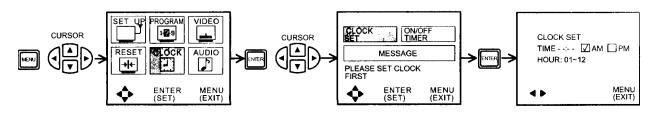




Use this feature for all time related functions.

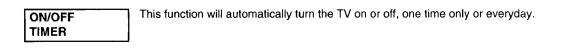


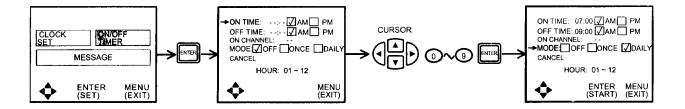
The time must be set before you can use the on/off timer or automatic message.



Use the NUMBER buttons and CURSOR \triangleleft , \blacktriangleright to set the time. The AM or PM selected will be highlighted in blue. When you have finished setting the time, press ENTER to start

When you have finished setting the time, press ENTER to start.





The selection to change will be in magenta.

Press the number buttons to select the time the TV will turn on or off. (AM: 1, PM: 2)

Press the CURSOR \langle , \rangle buttons for MODE: ONCE (one time only) or MODE: DAILY (TV will turn on/off at the same time every day).

Press CHANNEL **A**, **V** or the NUMBER buttons to set the channel the TV will tune to when it automatically turns on.

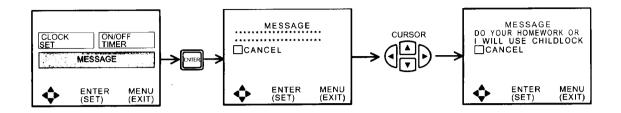
Your choice for AM/PM and MODE will appear in blue. Press ENTER to start. Select CANCEL and press ENTER to erase times.

NOTE: You can set either on time only, off time only, or both. The mode will be the same for both.

CAUTION: Do not use your TV as a deterrent when away from home by using both the ON and OFF TIMERS. For safety, the TV should be turned off when you are away from home.



AUTOMATIC MESSAGE The message function allows the user to program messages of up to 31 characters in the TV's memory. The user can program the message to appear every day or one time only.



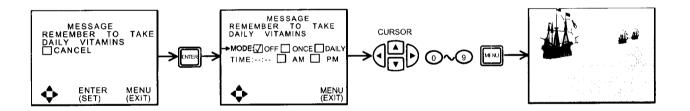
Use the CURSOR \blacktriangle , \blacktriangledown to select a letter or other character.

Use the CURSOR \triangleleft , \blacktriangleright to change position.

Press ENTER when message is finished.

The asterisk (*) represents a blank space.

Move the CURSOR ◀, ▶ until (CANCEL) is magenta and press ENTER to erase message.



Use CURSOR \blacktriangle , \blacktriangledown to choose MODE or TIME.

Use CURSOR ◀, ▶ to set MODE when it is magenta. Your choice will be in blue.

Use the NUMBER buttons to set the time.

Press ENTER to start and MENU to exit.

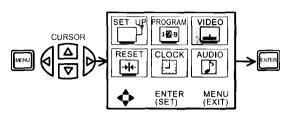
NOTE: When the scheduled time for the message arrives, the TV will beep 5 times and the message will be displayed. If you do not wish to wait for the 5 beeps, press a remote button anytime during the 5 beeps. The beeping will stop and the message will be displayed.

VIDEO

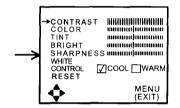




Select VIDEO to adjust picture settings, and to improve picture quality.



Use this feature to adjust contast, color, tint, brightness, sharpness, and white control.



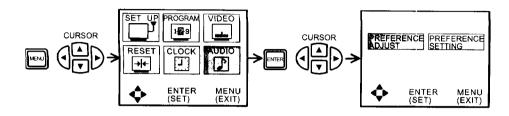
Press the CURSOR buttons to select and make adjustments. The function to be adjusted will be in magenta.

- **CONTRAST-** Use this function to change the contrast between black and white level in the picture.
- **COLOR-** Use this function to adjust the level of color in the picture.
- **TINT-** Use this function to adjust flesh tones so they appear natural.
- **BRIGHT-** Use this function to adjust overall picture brightness.
- SHARPNESS- Use this function to adjust the amount of fine detail in the picture.
- WHITE CONTROL- Use this function to adjust the white balance (hue) of the picture to your own color preference. When shipped from the factory, this is set to : "COOL". If you prefer a reddish screen, set to "WARM".
- **RESET-** When RESET is selected, press ENTER to return video adjustments to factory preset conditions.



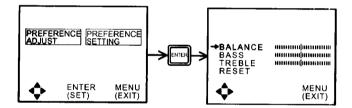


Select AUDIO to adjust the TV to your preference, to improve the sound quality, and to select special sound effects.





Use this to set balance, bass, and treble.



Press the CURSOR buttons to select and make adjustments. The function to be adjusted will be in magenta.

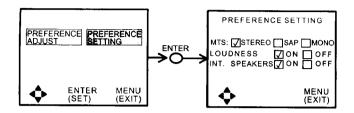
- **BALANCE-** This function will control the left to right balance of the TV internal speakers, the AUDIO TO HI-FI output, and the surround speakers.
- BASS- This function controls the low frequency audio to all speakers.
- TREBLE- This function controls the high frequency audio to all speakers.
- **RESET-** When RESET is selected, press ENTER to return audio adjustments to factory preset conditions.

AUDIO





Use Preference SETTING to improve the sound performance of your TV depending on listening conditions.



Use the CURSOR \blacktriangle , \checkmark to select a function. The function will be in magenta. Use the CURSOR \triangleleft , \triangleright to change function. Your choice will be in blue.

MTS MODE (Multi-Channel Television Sound) will allow you to select STEREO (a stereo broadcast), SAP (second audio program) which may be a secondary language, weather report, etc. or MONO (monaural sound) used when receiving a weak stereo broadcast.

The sources received will be displayed below the channel number. The source you select will be displayed to the left of the channel number. See example below for each selection when both stereo and second audio are received (monaural is always received).

STEREO SELECTED







MONO SELECTED



LOUDNESS

This function will improve the quality of both low and high frequency sounds when listening at low volume levels.

INT. SPEAKERS

This function is useful if you prefer to use only speakers from a separate stereo system.



CARE OF YOUR HITACHI COLOR TV AND YOUR REMOTE CONTROL

DO

Dust the screen and cabinet with a soft cloth.

Clean the screen with a soft cloth moistened in warm water. Dry with a soft cloth. (A mild soap may be used if the screen is extremely dirty.)

Place your TV and remote control away from extreme heat, humidity and extremely dusty places.

Remove the plug from the wall outlet if your television set will not be used for a long period of time, for instance, when you go on vacation.

DO NOT

Do not clean your screen or cabinet with strong cleaners, polishes or a chemically treated cloth.

Do not place rubber or vinyl products or cellophane tape on your set.

Do not touch the screen too often.

Do not subject the Remote Control to shocks such as dropping it on the floor, etc. Physical damage to the precision parts may result.

Avoid placing the Remote Control in a high humidity place or getting it wet. Don't leave it on or near a heater. Excessive heat or moisture may cause the unit to cease operation.

When the batteries run down, remote control operation will become erratic or possibly stop altogether. Replace the old batteries with fresh "AA" size batteries.

Т



• IGNITION NOISE: Black spots or horizontal streaks may appear, picture may flutter or drift. Usually caused by interference from automobile ignition systems, neon lamps, electrical drills and other electrical appliances.
• GHOSTS: Ghosts are caused by the television signal following two paths. One is the direct path and the other is reflected from tall buildings, hills or other objects. Changing the direction or position of the antenna may improve reception. Ghosting may also be caused by defects in the antenna system such as unshielded lead or connecting several sets to the same antenna without using multiple antenna couplers.
• SNOW: If your receiver is located in the fringe area of a television station where the signal is weak, your picture may be marred by the appearance of small dots. When the signal is extremely weak, it may be necessary to install a special antenna to improve the picture.
• RADIO FREQUENCY INTERFERENCE The interference produces moving ripples or diagonal streaks, and in some cases, causes loss of contrast in the picture.



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SYMPTOMS CHE		SER.	IL AL	THE .	citon	Sources	din di oni	Station of	ions (SPECT CE	\$`` >/x	rence		ġ.
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SYMPTOMS	× /&	e Sile	e Sure	ke sure	17	heer ?	heil.	her .	SPECK V	din s		aju ^a ta	STIPS 2	birger
No picture, no sound	•	•	•	•	•	•	•							Í
Sound OK, picture poor	•			•	•	•	•	•	•	•				
Picture OK, sound poor	٠			•	•	•	٠	•					•]
Picture blurred	•				•	•		•]
Lines or streaks in picture				•	•	•	•	•						
Poor reception on some channels				•	•	•	•	•						
No color	٠			•	•	•	•				•			
Poor color	٠			•	•	•	•				•	•]

SPECIFICATIONS

Features:

- Superfine Picture Quality
 - 600 Line Horizontal Resolution for 27CX5B, 27CX6B and 27CX25B.
- Dark Tint CPT
- Remote Transmitter
 (Controls many VCR and Cable Box brands)
- P-in-P Functions (except 27CX25B and 20SA3B)
- ICONS: Easy Graphics Guide
- Full set of Input Jacks, including S-Video (except 20SA3B)
- Closed Caption Decoder
- Comb Filter, Wide-Band Video-Amp (except 20SA3B)
- MTS (Multi-Channel Television Sound) Stereo Broadcast Reception.
- SES Spatially Equalized Sound (A-Horn) 27CX6B
 The SES system places the speakers inside acoustic chambers. The sound resonates through an acoustically matched baffle system, and projects through thin grills on either side of the TV screen. This system provides greatly improved sound quality, and proper sound imaging.

Screen Size:	27V (27 inches measured diagonally) 27CX5B, 27CX6B, 27CX25B
	20V (20 inches measured diagonally) 20SA3B

Inputs:

Power Input AC 120V, 60 Hz

Dimensions:

Power consumption (operating) 27CX5B, 27CX6B109W		20SA3B	27CX5B 27CX6B 27CX25B
27CX25B 107W			
20SA3B	 Height (in.) 	17 ⁷ / ₈	23 ¹ / ₃₂
 Power consumption (maximum) 	• Width (in.)	201/4	271/4
27CX5B, 27CX6B 145W			
27CX25B 142W	 Depth (in.) 	18³/₄	20 ³ / ₁₆
20SA3B 115W			
	Weight (lbs.)	46	88

A-1

NOTE: Due to improvements, specifications in this operating guide are subject to change without notice.

• Video	1.0Vp-p, 75 Ohm
S-Video	
Luminance (Y)	1.0Vp-p, 75 Ohm
	0.286Vp-p, 75 Ohm

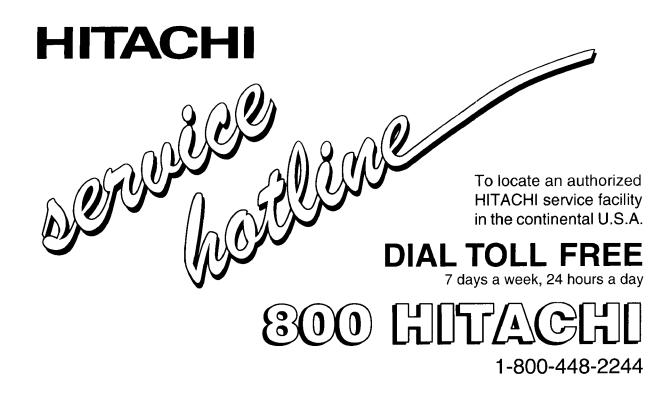
CATV Mid Band A-5~A-1

Super BandJ-W Hyper BandW+1-W+28 Ultra BandW+29-W+84

UHF-Band 14~69

Audio input impedance	47k Ohm
Average input level	470mVrms
/ working of the particular	040m)/rmo





Hitachi Home Electronics (America), Inc.

Hitachi has made every effort to assure you hours of trouble free operation from your unit. However, should you require service, a network of Hitachi Authorized Service Facilities has been established in all 50 states and Puerto Rico. Each facility will provide you with convenient and expedient assistance. Our service "Hotline" operator will direct you to the Hitachi Authorized Service Facility nearest you. Just present proof of purchase and/or delivery receipts to the Hitachi Authorized Service Facility, and service will be rendered in accordance with the terms of the limited warranty as stated on your warranty card or operating guide.

Should you have any questions regarding in-warranty service, operation or technical assistance, please contact:

Hitachi Home Electronics(America), Inc 3890 Steve Revnolds Blvd

Norcross, GA 30093 Tel: 404-279-5600

Hitachi Sales Corporation of Hawaii 3219 Koapaka St. Honolulu, HI 96819 Tel: 808-836-3621



HITACHI

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