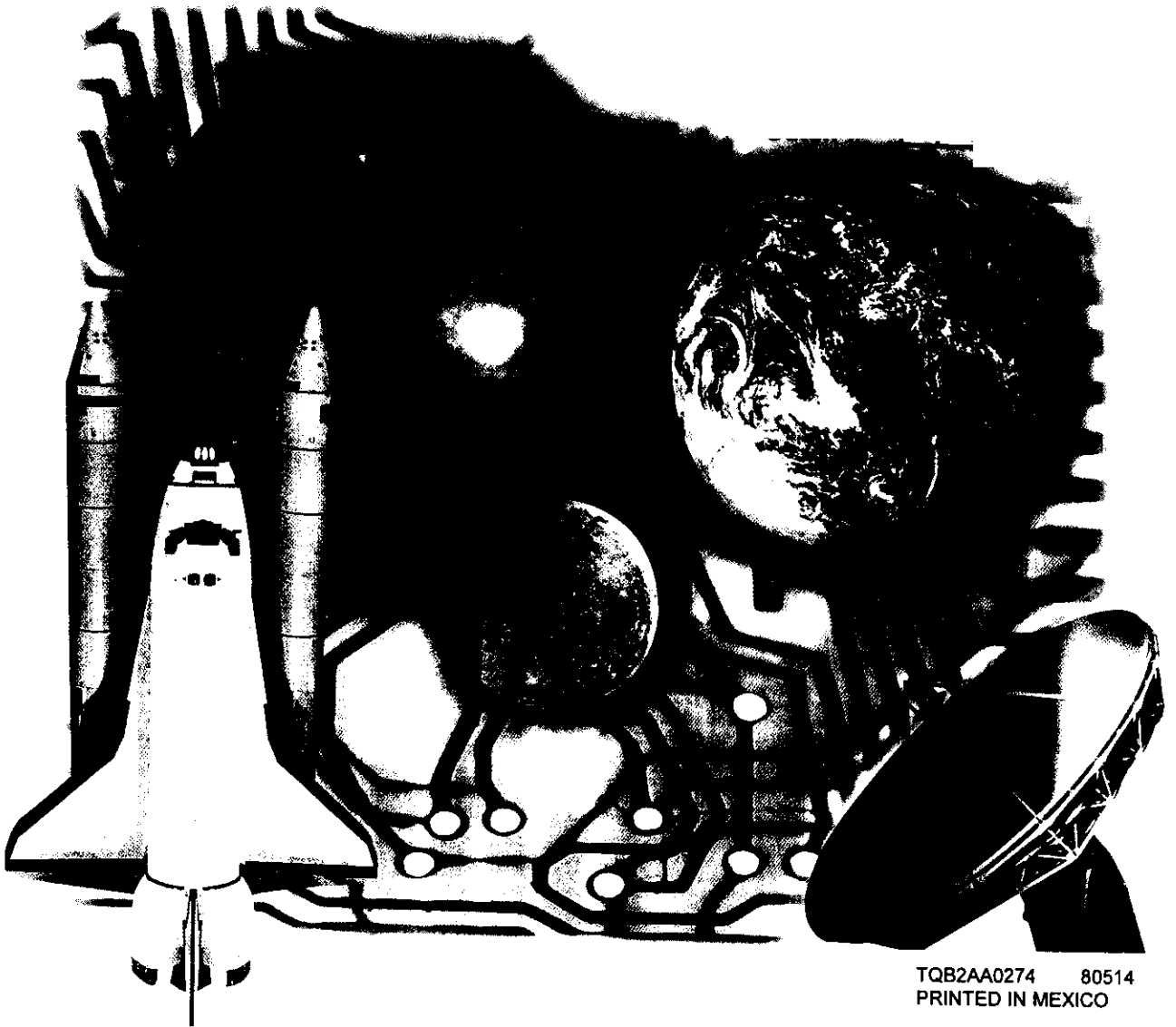


Panasonic[®]

SuperFlat™ System Monitor-Receiver Operating Instructions

CT-27SF25



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PRINTED IN MEXICO

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Read these instructions completely before operating TV.

Contents are subject to change without notice or obligation.

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CONGRATULATIONS
Congratulations

Your new SUPERFLAT™ system TV features state-of-the-art picture quality, an innovative dome sound system, and compact, elegant styling designed to give you many years of enjoyment. It was thoroughly tested and tuned at the factory for best performance.

Customer Record

The model and serial number of this product are located on the back of the TV. You should note the model and serial number in the space provided and retain as a permanent record of your purchase. This will aid in identification in the event of theft or loss. Product registration is available at: www.prodreg.com/panasonic.

Model
Number

Serial
Number

Care and Cleaning

Screen (Turn TV Off)

- Use a mild soap solution or window cleaner with a soft clean cloth. DO NOT USE ABRASIVE CLEANERS.
- Avoid excessive moisture and wipe dry.

Cabinet and Remote Control

- For cabinets and Remote Control, use a soft cloth dampened with water or a mild detergent solution. Avoid excessive moisture and wipe dry.
- Do not use benzene, thinner or other petroleum based products.

Specifications

| | |
|---------------------------------|--------------------------------|
| Power Source | |
| CT-27SF25 | 120V AC, 60Hz |
| Channel Capability - 181 | VHF-12; UHF-56; Cable-125 |
| 2 Video Input Jacks | 1Vp-p, 75 Ohm, Phono Jack Type |
| 2 Audio Input Jacks | 500mV RMS 47K Ohm |
| Audio Output Jacks | 0-2.0V RMS 4.7K Ohm |
| S-Video Input Jack | S-Video (Y-C) Connector |

Specifications are subject to change without notice or obligation.

Installation

Television Location

This unit is intended to be used with an optional stand (TY-275F25M) or entertainment center. Consult your dealer for available options.

- Avoid excessive sunlight or bright lights, including reflections.
- Keep away from excessive heat or moisture. Inadequate ventilation may cause internal component failure.
- Fluorescent lighting may reduce Remote Control transmitting range.
- Keep away from magnetic equipment, including motors, fans, or external speakers.

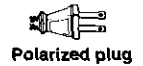
Optional Cable Connections

Shielded audio and video cables should be used between components. For best results:

- Use 75-ohm coaxial shielded cables.
- Check type of output and input connectors on your components.
- Determine required cable lengths.

AC Power Supply Cord

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT OF AC OUTLET AND FULLY INSERT. DO NOT USE A PLUG WITH A RECEPTACLE OR OTHER OUTLET UNLESS THE BLADE CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. FOR SOME MODELS THAT ARE NON-POLARIZED, THE USE OF AN AC ADAPTOR CONNECTOR MAY BE NECESSARY.



Cable / Antenna

For proper reception, either a cable or antenna connection is required.

Cable Connection

Connect the cable supplied by your local cable company.

Note: A cable converter box may be required for proper reception. Check with your local Cable company for compatibility requirements.

Incoming Cable from Cable Company

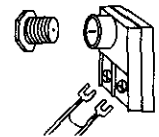



75 Ohm VHF/UHF on back of TV

Antenna Connection

- For proper reception of VHF/UHF channels, an external antenna is required. For best reception an outdoor antenna is recommended.
- Antenna must be set to TV mode in the SET UP menu.

Incoming Cable from Home Antenna

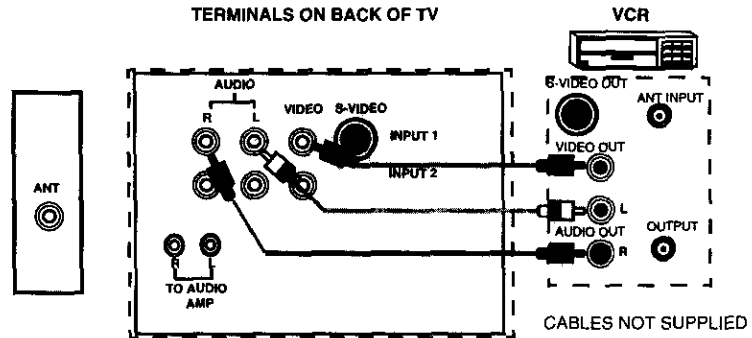


| |
|--|
|  <p>Cable Preset</p> |
| <p>Cable Mode is preset at the factory. Antenna users must change to TV Mode in the Set Up Menu under Prog. Chan (Program Channels).</p> |

INSTALLATION

Optional Equipment Connections

VCR's, DVD players, video game consoles, and DSS equipment can also be connected to the video inputs. See the optional equipment manual for details.



Procedure

1. Connect equipment to rear Audio/Video input jacks, as shown.
2. Select the corresponding video input by pressing **TV/VIDEO** button.
3. Operate optional equipment as instructed in equipment manual.

Note: The S-VIDEO connection provides higher quality, if available, and overrides other VIDEO connections. Use INPUT 1, AUDIO R and L with S-VIDEO connection.

Amplifier Connection (TO AUDIO AMP)

Connect to an external audio amplifier input for listening through a stereo system.

Note: TO AUDIO AMP terminals cannot be connected directly to external speakers.

Audio Adjustments

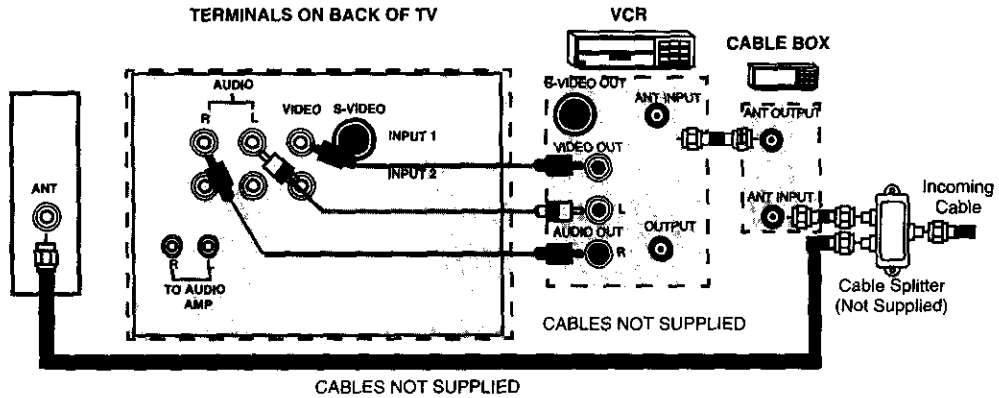
1. Select **SPEAKERS ON** located in the AUDIO menu on screen.
2. Set amplifier volume to minimum.
3. Adjust TV volume to desired level.
4. Adjust amplifier volume to match the TV.
5. Select **SPEAKERS OFF & VAO** (Variable Audio Out) from AUDIO menu.
6. Volume, mute, bass, treble and balance are now controlled from the TV.

Picture In Picture (PIP) Operation

With a VCR and Cable Box

This television includes a Picture In Picture (PIP) feature. A second video source (VCR, Camcorder, etc.) is required to provide a second picture.

Connect your television to a VCR and Cable Box, as shown.



Note: The Remote Control must be programmed with supplied codes to operate the VCR and Cable Box. See Programming the Remote Control in the **Remote Control Quick Reference Guide**.


Procedure

Press the **PIP** button on the Remote Control to display the PIP frame.

Note: The PIP picture is the same as the main picture, initially.

To view a different picture in the PIP frame:

- Press the **TV/VIDEO** button on the Remote Control to select the video PIP source.
- Verify the **CABLE BOX** and **VCR** are turned on and the **VCR** tuned to **Channel 3 or 4, depending on the VCR**.
- Choose channels for the *PIP* frame by pressing the **CBL** button on the Remote Control and using the numeric keypad or **CH** up/down buttons.
- Choose channels for the *Main Picture* by pressing the **TV** button on the Remote Control and using the numeric keypad or **CH** up/down buttons.



SWAP Button

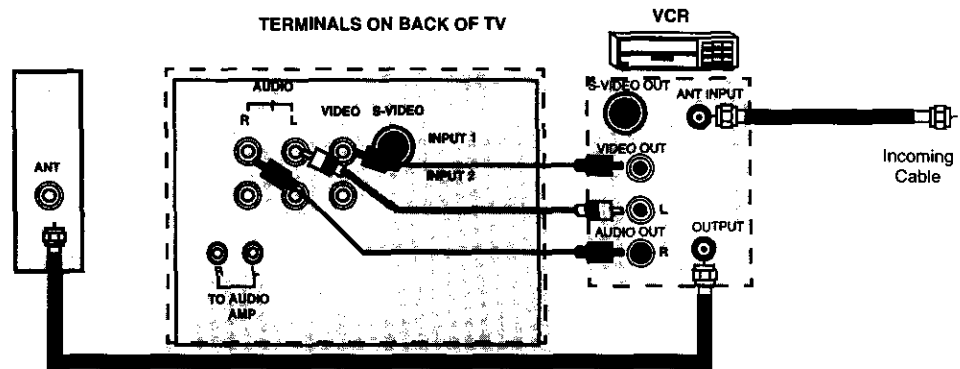
The **SWAP** button switches the PIP and Main Picture source. Press the **RECALL** button for PIP and Main Picture source status, on screen.

PICTURE IN PICTURE (PIP) OPERATION

With a VCR - No Cable Box

This television includes a Picture In Picture (PIP) feature. A second video source (VCR) is required to provide a second picture.

Connect your television to a VCR, as shown.



CABLES NOT SUPPLIED

Note: The Remote Control must be programmed with the supplied codes to operate the VCR. See Programming the Remote Control in the Remote Control Quick Reference Guide.

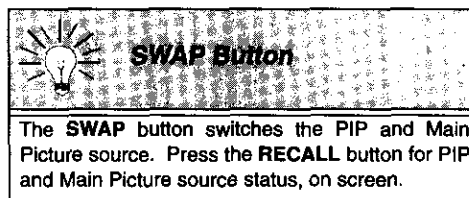
Procedure

Turn the VCR off and tune the TV to Channel 3 or 4, depending on the VCR.

Press the **PIP** button on the Remote Control to display the PIP frame on screen.

Note: The PIP picture is the same as the Main picture, initially.

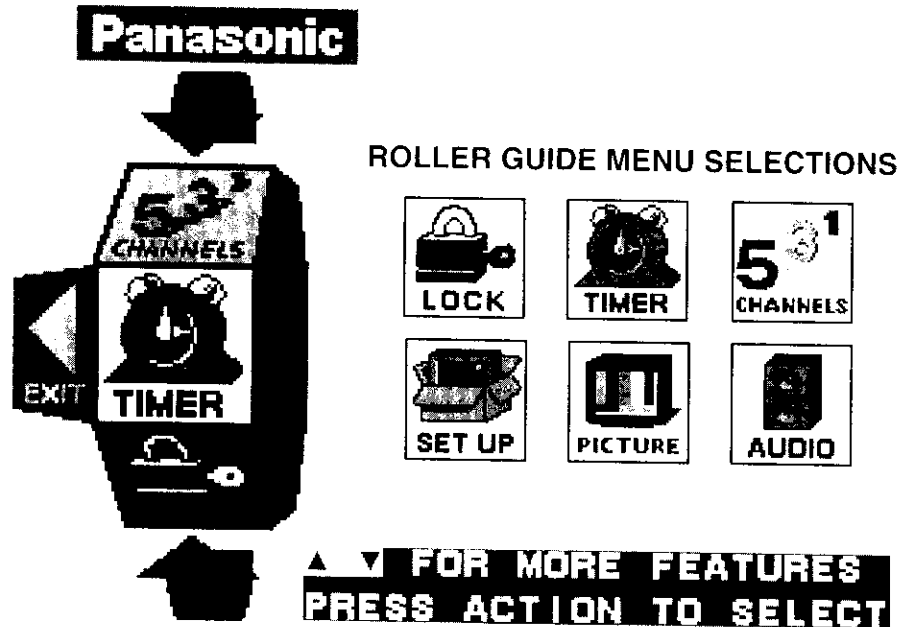
- Press the **TV/VIDEO** button on the Remote Control to select the VIDEO PIP source.
- Press the **VCR** button on the Remote Control and turn the VCR on.
- Press the **TV/VCR** button on the Remote Control.
- Choose channels for *PIP* frame by pressing **VCR CHANNEL** up/down buttons on the Remote Control.
- Choose channels for the *Main Picture* by pressing the **TV** button on the Remote Control and using the numeric keypad or **CH** up/down buttons.



Roller Guide Menu

Press the **ACTION** button in the middle of the large blue button on the Remote Control to display the Roller Guide menu. Press the **CH** (channel) up/down to rotate the Roller Guide. Press the Left **VOL** (volume) button to exit the Roller Guide menu.

Note: Be careful to press the **ACTION** button in the middle of the button. If you do not press in the middle of the button, the channel or volume keys may be activated.

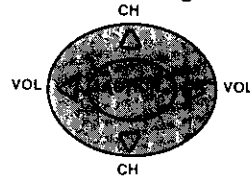


Note: To exit the Roller Guide Menu, press the left **VOL** (volume) on the **ACTION** button.

Navigation Button

Press the **ACTION** button to select main menu items. Press the up/down **CH** (channel) buttons to highlight sub menus. Press the Right **VOL** button to select and adjust features. Press the **ACTION** button to return to sub menus.

Remote ACTION / Navigation Button






Remote Control

The **Remote Control Quick Reference Guide** is located within the package provided with this TV.






ROLLER GUIDE MENU CHART



Roller Guide Menu Chart

| MENU | DESCRIPTION |
|---|---|
|  <p>SET UP</p> | <p>SET UP</p> |
| <p>LANGUAGES</p> | <p><input type="checkbox"/> Select English, Spanish, or French menu.</p> |
| <p>PROG. CHAN (Program Channels)</p> | <p><input type="checkbox"/> MODE - Select Cable or TV. See Installation section in Manual. <input type="checkbox"/> AUTO PROGRAM - Automatically program channels having a signal into memory. <input type="checkbox"/> MANUAL PROGRAM - Manually add or delete channels from memory.</p> |
| <p> (Closed Captioned)</p> | <p><input type="checkbox"/> CC ON MUTE - Select C1-C4 for Closed Captioning display when the Remote MUTE button is pressed. <input type="checkbox"/> CC MODE - Select T1-T4 or C1-C4 for transmitted information, if available, in a black box.</p> |
| <p>AUTO POWER</p> | <p><input type="checkbox"/> AUTO POWER - Select SET to power up the TV at the same time as the Cable Box or other components or select NO.</p> |
|  <p>AUDIO</p> | <p>AUDIO</p> |
| <p>AUDIO ADJ. (Adjustments)</p> | <p><input type="checkbox"/> MODE - Select STEREO, SAP (Second Audio Program) or MONO. (Use MONO when stereo signal is weak.) <input type="checkbox"/> BASS - Increase or decrease the bass response. <input type="checkbox"/> TREBLE - Increase or decrease the treble response. <input type="checkbox"/> BALANCE - Emphasize the left / right speaker volume. <input type="checkbox"/> NORMAL - Reset BASS, TREBLE and BALANCE to factory default.</p> |
| <p>OTHER ADJ. (Adjustments)</p> | <p><input type="checkbox"/> AI SOUND - Automatically adjust volume to maintain a comfortable listening level.</p> |
| <p>SURROUND</p> | <p><input type="checkbox"/> SPATIALIZER - Three dimensional surround sound with two speakers.</p> |

Roller Guide Menu Chart (Cont.)

| MENU | DESCRIPTION |
|---|--|
|  | <p style="text-align: center;">AUDIO</p> |
| <p style="text-align: center;">SPEAKERS</p> | <ul style="list-style-type: none"> <input type="checkbox"/> ON - TV speakers operate normally. <input type="checkbox"/> OFF&VAO (Variable Audio Output) - TV speakers off - audio adjustable by TV. <input type="checkbox"/> OFF&FAO (Fixed Audio Output)- TV speakers off - audio adjustable only by the external amplifier. |
|  | <p style="text-align: center;">TIMER</p> |
| <p style="text-align: center;">CLOCK SET</p> | <ul style="list-style-type: none"> <input type="checkbox"/> When set, TIME will display on screen after pressing POWER button, RECALL button, or changing channels. |
| <p style="text-align: center;">SLEEP</p> | <ul style="list-style-type: none"> <input type="checkbox"/> Set timer to turn off TV in 30, 60, or 90 minutes. Select NO to turn timer off. |
| <p style="text-align: center;">TIMER 1 TIMER 2</p> | <ul style="list-style-type: none"> <input type="checkbox"/> Set two timers to automatically turn TV on and off at selected times, on selected channels, and on selected days. (Clock must be set to use Timer features.) |
|  | <p style="text-align: center;">PICTURE</p> |
| <p style="text-align: center;">VIDEO ADJ. (Adjustments)</p> | <ul style="list-style-type: none"> <input type="checkbox"/> COLOR - Adjust desired color intensity. <input type="checkbox"/> TINT - Adjust natural flesh tones. <input type="checkbox"/> BRIGHTNESS - Adjust dark areas for crisp detail. <input type="checkbox"/> PICTURE - Adjust white areas of picture. <input type="checkbox"/> SHARPNESS - Adjust clarity of outline detail. <input type="checkbox"/> NORMAL- Reset all picture adjustments to factory default settings. |
| <p style="text-align: center;">OTHER ADJ. (Adjustments)</p> | <ul style="list-style-type: none"> <input type="checkbox"/> COLOR TEMP - Adjust white balance to COOL (blue), WARM (red) or NORMAL. <input type="checkbox"/> AUTO COLOR -Equalize color to compensate for signal variations. |

Roller Guide Menu Chart (Cont.)

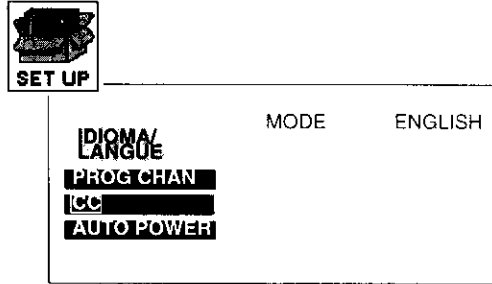
| MENU | DESCRIPTION |
|---|--|
|  | <p>CHANNELS</p> |
| <p>FAVORITES</p> | <p><input type="checkbox"/> CHANNEL SCAN - Select FAV (15 favorites) or ALL channels to scan channels using the up/down CH buttons.</p> |
| <p>CAPTION</p> | <p><input type="checkbox"/> PRESET CAPTION - Enter channel numbers for preset captions. <input type="checkbox"/> MANUAL CAPTION - Enter channel numbers and captions manually. <input type="checkbox"/> INPUT LABEL - Label video connections to display optional equipment.</p> |
|  | <p>LOCK</p> |
| <p>CHANNEL</p> | <p><input type="checkbox"/> Select channels to lock out for 12, 24, or 48 hours with a secret code.</p> |
| <p>GAME GUARD</p> | <p><input type="checkbox"/> Lock out video games, cable box, and VCR's from being viewed for 12, 24, or 48 hours with a secret code.</p> |
| <p>ALL</p> | <p><input type="checkbox"/> Lock out all channels and video inputs for 12, 24, or 48 hours with a secret code.</p> |

Special Features

SET UP

Language

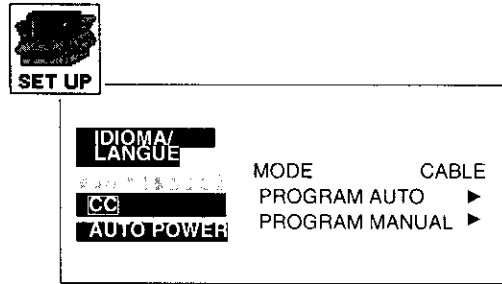
In SET UP Menu, select IDIOMA/LANGUE to change menu language to ENGLISH, ESPAÑOL, or FRANÇAIS.



Cable Mode / TV Mode

In SET UP Menu, select PROG CHAN to select TV (antenna) Mode or CABLE MODE depending on the signal source.

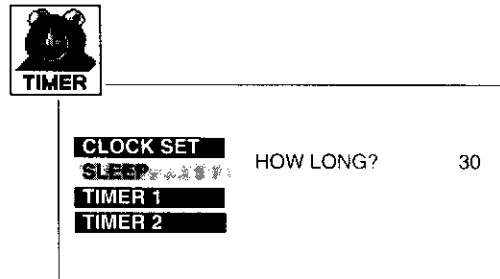
Choose PROGRAM AUTO to automatically program all channels having a signal or choose PROGRAM MANUAL to manually add or delete channels.



TIMER

Sleep

In TIMER menu, select SLEEP to turn TV off in 30, 60, or 90 minutes. Select NO to turn off timer.

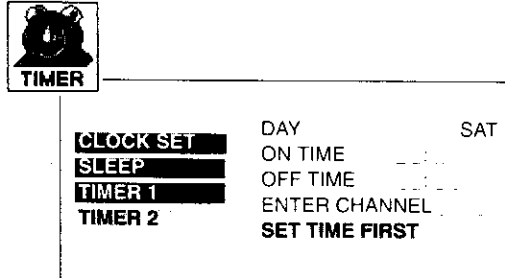


Note: SLEEP and TIMER features are unavailable when AUTO POWER is on.

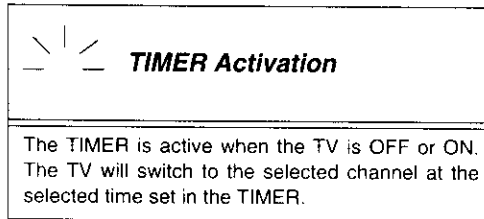
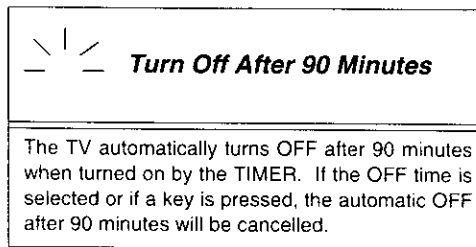
SPECIAL FEATURES

Timer 1 and Timer 2

In TIMER menu select two timers, TIMER 1 and TIMER 2, to turn the TV on and off at selected times, on selected channels, and on selected days.



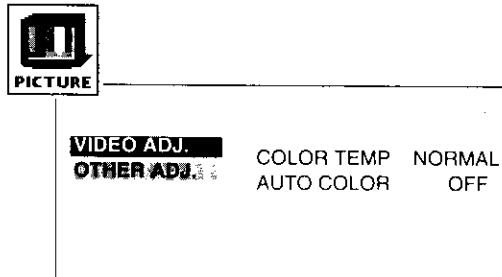
Note: Time must be entered in **CLOCK SET** to operate **TIMER** features.



PICTURE

Other Adjustments

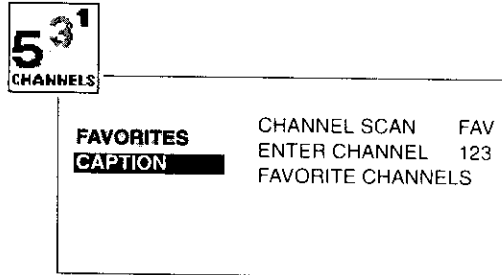
Use these picture adjustments to change the picture quality. In **PICTURE** menu under **OTHER ADJ.**, select **COLOR TEMP** (temperature) to increase or decrease warm (red) and cool (blue) colors to suit personal preferences. Select **AUTO COLOR** to maintain consistent color and tint, if you are experiencing difficulty.



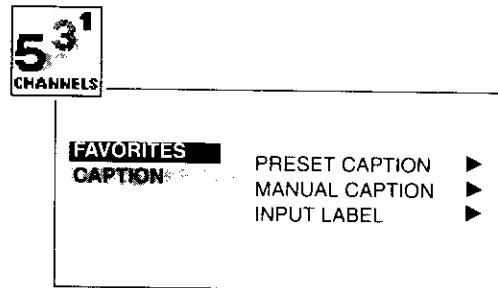
CHANNELS

Favorites

In CHANNELS menu under FAVORITES, select CHANNEL SCAN FAV to enter up to 15 favorite channels or select CHANNEL SCAN ALL to scan all channels when using the up/down **CH** (channel) buttons.

**Caption**

In CHANNELS menu under CAPTION, select PRESET CAPTION to enter channel labels for popular TV stations. Select MANUAL CAPTION to enter numbers and captions manually. Select INPUT LABEL to label video input connections for on-screen display. Press right VOL to access sub menus.



SPECIAL FEATURES

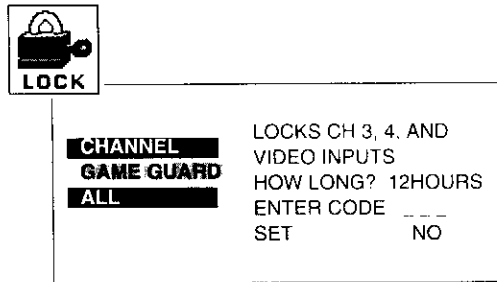
LOCK

Game Guard

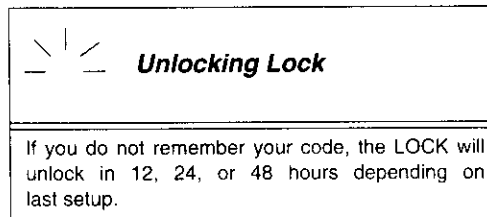
In LOCK menu, select GAME GUARD to lock Channel 3, Channel 4, and video inputs for 12, 24, or 48 hours by entering a three-digit secret code using the numeric keypad.

Select CHANNEL to lock all channels or select ALL to lock both channels and video inputs.

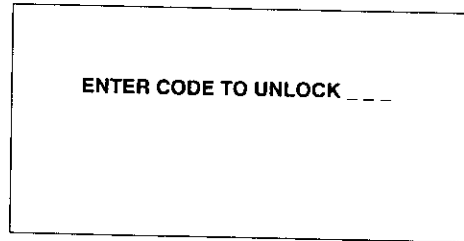
Unlock GAME GUARD by re-entering the same three-digit secret code.



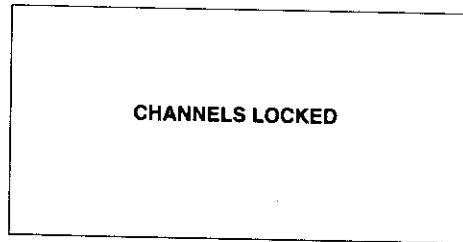
Note: Understand how to unlock CHANNELS, GAME GUARD, and ALL before locking. Use a code that is easy to remember or record it in a safe place.



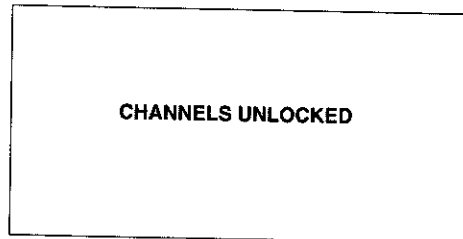
Unlocking Channel, Game Guard, and All



Enter the same three-digit code.




















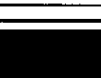

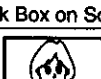
If the three-digit code is not the same as entered previously.



If the same three-digit code is used.

TROUBLESHOOTING CHART
Troubleshooting Chart

Before calling for service, determine the symptoms and follow suggested solutions.

| AUDIO | VIDEO | Solutions |
|---|--|--|
|  Noisy Audio |  Snowy Video | Adjust Antenna Location and Connection |
|  Noisy Audio |  Multiple Image | Adjust Antenna Location and Connection Check Antenna Lead-in Wire |
|  Noisy Audio |  Interference | Move TV from Electrical Appliances, Lights, Vehicles, and Medical Equipment |
|  No Audio |  Normal Video | Increase Volume Check Mute Check TV SPEAKERS on/off Change Channel |
|  Noisy Audio |  No Video | Set TV or Cable Mode Property Check Antenna Cables |
|  No Audio |  No Video / No PIP | Check Power Cord is Plugged into Active Outlet Adjust Brightness and Audio Controls Change Channel Check Cable Connections Program the Remote Control Again Check Second Video Source Operation |
|  Normal Audio |  No Color | Adjust Color Settings Change Channel |
|  Wrong Audio |  Normal Video | Check Audio Is Set To Stereo Or Mono, Not SAP |
|  Normal Audio |  Black Box on Screen | Change CC (Closed Captioning) from Text Mode |
|  Normal Audio |  Normal Video | Replace Remote Control Batteries |
| Intermittent Remote Control Operation | | |