

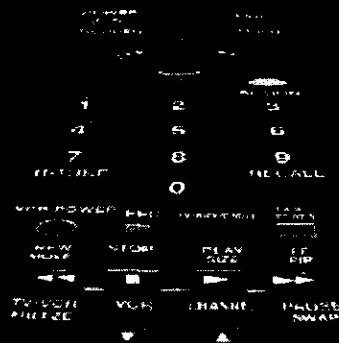
Panasonic®

Color Television

Operating Instructions

CT-27G6
CT-27G6U
CT-29G6X
CT-32G6
CT-32G6U

CT-G2939
CT-G2939X
CT-G2949L
CT-G3339
CT-G3339X
CT-G3349L



Panasonic



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Safety Instructions

	WARNING RISK OF ELECTRIC SHOCK DO NOT OPEN	
WARNING: To reduce the risk of electric shock do not remove cover or back. No user-serviceable parts inside. Refer servicing to qualified service personnel.		



The lightning flash with arrow head within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.



The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

WARNING: To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

Read these instructions completely before operating TV.
Contents are subject to change without notice or obligation.

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FEATURE COMPARISON CHART

Feature Comparison Chart

		MODELS	
		CT-27G6	CT-27G6U
		FEATURES	
SPECIAL FEATURES	MENU LANGUAGE ENG/SPAN/FR	<input type="checkbox"/>	<input type="checkbox"/>
	CLOSED CAPTIONING	<input type="checkbox"/>	<input type="checkbox"/>
	V-CHIP CAPABILITY	<input type="checkbox"/>	<input type="checkbox"/>
	75 OHM INPUT	<input type="checkbox"/>	<input type="checkbox"/>
	VIDEO NORM	<input type="checkbox"/>	<input type="checkbox"/>
AUDIO	STEREO	<input type="checkbox"/>	<input type="checkbox"/>
	AI SOUND	<input type="checkbox"/>	<input type="checkbox"/>
	NUMBER OF SPEAKERS	2	2
A/V JACKS	A/V IN (REAR/FRONT)	1 (1/0)	1 (1/0)
	S-VHS INPUT	<input type="checkbox"/>	<input type="checkbox"/>
	HEADPHONE JACK	<input type="checkbox"/>	

CONGRATULATIONS

Congratulations

Your new TV features a solid state chassis that is 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 for U.S. customers 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.

Note: Do not spray any type of cleaning fluid directly on the screen.

Cabinet and Remote Control

- Use a soft cloth dampened with water or a mild detergent solution. Do not use benzene, thinner, or other petroleum based cleaners.
- Avoid excessive moisture and wipe dry.

Specifications

Power Source CT-27G6/U (1.8A) CT-32G6/U (2.0A)	120V AC, 60Hz
Channel Capability - 181	VHF-12; UHF-56; Cable-113
Video Input Jacks	1V _{p-p} , 75 Ohm, Phono Jack Type
Audio Input Jacks	500mV RMS 47K Ohm
S-Video Input Jacks	S-Video (Y-C) Connector

Specifications are subject to change without notice or obligation.

Remote Control

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

INSTALLATION

Installation

Television Location

This unit is intended to be used with an optional stand 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.
- Avoid magnetic equipment, including motors, fans, or external speakers.

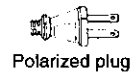
Optional Cable Connections

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

- Use 75-ohm coaxial shielded cables.
- Use appropriate input and output connectors that match your component connectors.
- Avoid long cables to minimize interference.

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.



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

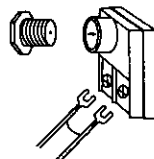


Antenna Connection

- For proper reception of VHF/UHF channels, an external antenna is required. For best reception an outdoor antenna is recommended.
- Antenna Mode must be set to TV.

Note: Cable Mode is preset at the factory. Antenna users must change to TV Mode in the SETUP Menu.

Incoming Cable from
Home Antenna



INSTALLATION

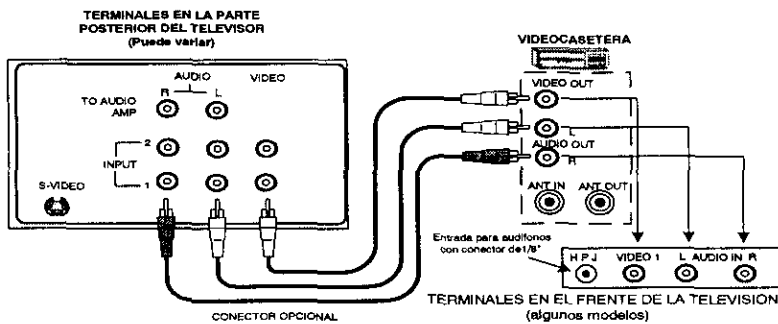
Optional Equipment Connections

Procedure

1. Connect equipment as shown to front or rear Audio/Video input jacks.

Note: Front and rear Audio/Video connectors cannot be operated at the same time (some models).

2. Select the Video mode by pressing TV/VIDEO button.
3. Operate optional equipment as instructed in equipment manual.



IMPORTANT INFORMATION REGARDING USE OF VIDEO GAMES, COMPUTERS, DSS OR OTHER FIXED IMAGE DISPLAYS.

The extended use of fixed image program material can cause a permanent "shadow image" on the picture tube. This background image is viewable on normal programs in the form of a stationary fixed image. This type of irreversible picture tube deterioration can be limited by observing the following steps:

- A. Reduce the brightness/contrast setting to a minimum viewing level.
- B. Do not display the fixed image for extended periods of time.
- C. Turn the power off when not in actual use.

Note: The marking or retained image on the picture tube resulting from fixed image use is not an operating defect and as such is not covered by Warranty. This product is not designed to display fixed image patterns for extended periods of time.

INSTALLATION

Amplifier Connection (To Audio Amp)

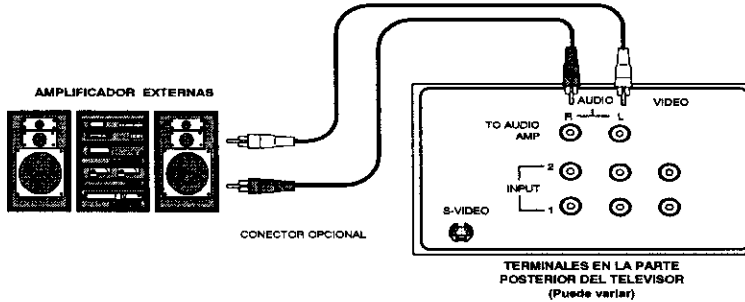
Connect to an external audio amplifier input for listening to a stereo system.

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

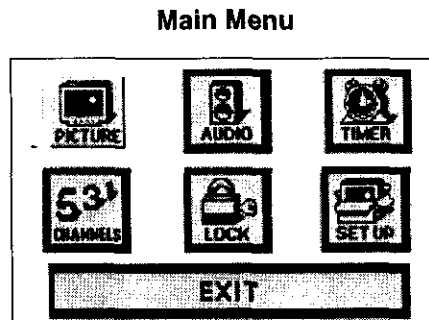
Audio Adjustments

1. Select TV-SPEAKERS ON from AUDIO menu.
2. Set amplifier volume to minimum.
3. Adjust TV volume to desired level.
4. Adjust amplifier volume to match the TV.
5. Select TV SPEAKERS OFF&VAO from AUDIO menu.
6. Volume, mute, bass, treble and balance are now controlled from the TV.

Note: In OFF&FAO the volume is controlled by the external amplifier.



MAIN MENU
Main Menu

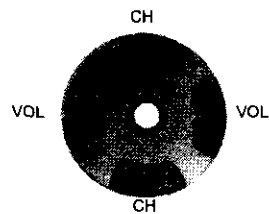


ACTION Button

Press the **ACTION** button to display the Main Menu and submenus. Press the **ACTION** button repeatedly to exit.

CH / VOL Buttons

Remote Navigation Buttons





Procedure

- Press the **CH** (channel) or **VOL** (volume) buttons to select an icon.
- Use the **CH** buttons to highlight the desired features.
- Use **VOL** buttons to select and adjust features.





MAIN MENU FEATURE CHART

Main Menu Feature Chart

MENU	DESCRIPTION
	SETUP
IDIOMA/ LANGUE	<input type="checkbox"/> Select English, Spanish, or French menu.
PROG. CHAN (Program Channels) AUTO PROG	<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.
CC MODE	<input type="checkbox"/> CC MODE - Select C1 or C2 for Closed Captioning, program guides and other information.
OTHER ADJ.	<input type="checkbox"/> AUTO POWER ON - Select SET to power up the TV at the same time as the Cable Box or other components or select OFF.
	AUDIO
AUDIO ADJ.	<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.
OTHER ADJ.	<input type="checkbox"/> AI SOUND - Automatically maintain constant volume between programs and commercials.
SURROUND	<input type="checkbox"/> MODE - Enhances audio response when listening to stereo.
SPEAKERS	<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.

MAIN MENU FEATURE CHART

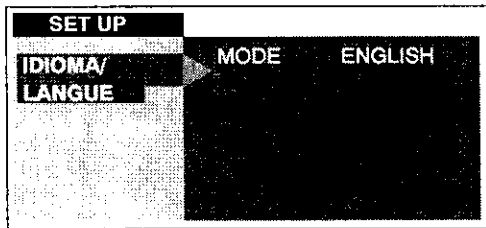
Main Menu Feature Chart (Cont.)

MENU	DESCRIPTION
	<p style="text-align: center;">TIMER</p>
<p style="text-align: center;">CLOCK SET</p>	<p><input type="checkbox"/> When entered, TIME will display on screen after pressing POWER button, RECALL button, or changing channels.</p>
<p style="text-align: center;">SLEEP</p>	<p><input type="checkbox"/> Program TV to automatically turn off in 30, 60, or 90 minutes. Select NO to turn timer off.</p>
<p style="text-align: center;">PROGRAM TIMER</p>	<p><input type="checkbox"/> Program TV to automatically turn on and off at selected time on a selected channel, daily or only one day.</p>
	<p style="text-align: center;">PICTURE</p>
<p style="text-align: center;">VIDEO ADJ. (Adjustments)</p>	<p><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>
	<p style="text-align: center;">CH CAP</p>
<p style="text-align: center;">CHANNEL CAPTION</p>	<p><input type="checkbox"/> MANUAL CAPTION - Provide labels for up to 30 stations using up to four characters for each station.</p>
	<p style="text-align: center;">LOCK</p>
<p style="text-align: center;">LOCK MODE</p>	<p><input type="checkbox"/> LOCK SET - Program to prevent video games, cable box, and VCR from being viewed.</p> <p>Note: For more information about Block Programs, see the V-CHIP Parental Lock manual provided with the TV package.</p>

Special Features

Languages

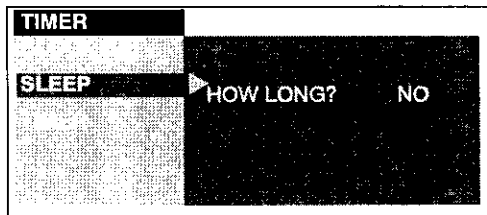
In SETUP menu, select ENGLISH, ESPAÑOL, OR FRANÇAIS.



Timer

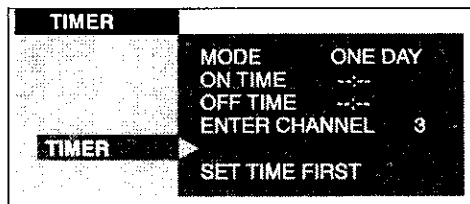
Sleep Timer

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



Program Timer

In Timer menu, program TV to automatically turn on and off at selected time on a selected channel, daily or one day.



Note: TIME must be entered in the TIMER menu to operate PROGRAM TIMER.

SPECIAL FEATURES



Turn Off After 90 Minutes

The TV automatically turns **OFF** after 90 minutes when turned on by the PROGRAM TIMER. If the OFF-time is programmed or if a key is pressed, the automatic OFF after 90 minutes will be cancelled.



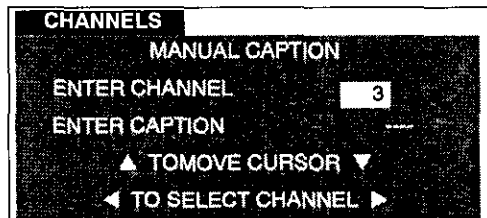
PROGRAM TIMER Activation

The PROGRAM TIMER is active when the TV is OFF or ON. The TV will switch to the selected channel at the selected time set by the PROGRAM TIMER.



CH CAP (Channel Caption)

Program channel captions (station labels) for 30 stations using up to four characters.



Note: Delete channel captions by entering dashes (-) in all four character slots.

SPECIAL FEATURES

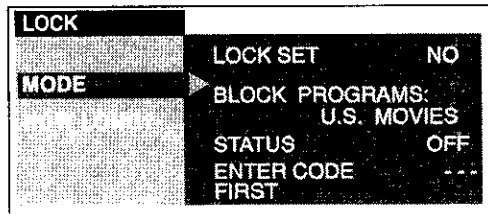
LOCK



Lock Mode (Lock and Unlock)

Select LOCK MODE to prevent video games and VCR from being viewed. Lock Channel 3, Channel 4, and video inputs for 12, 24, or 48 hours by entering a four digit secret code, then selecting LOCK SET.

Note: Understand how to unlock LOCK MODE before using it. Use a code that is easy to remember or record it in a safe place.



Note: If LOCK MODE is selected, and if a blocked channel or video input is selected, the message PG displays in the upper left corner of the TV screen.

Unlock LOCK SET by reentering the same four-digit secret code, then selecting LOCK MODE OFF.




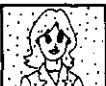







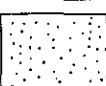








LOCK MODE Unlock

If you do not remember your code, LOCK will unlock in 12, 24, or 48 hours depending on current setup. Be cautious when selecting ALWAYS. If ALWAYS is selected, and you forget your secret code, the TV must be serviced by a qualified technician in order to clear the LOCK setup.

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 Change Channel
 Noisy Audio	 No Video	Set TV or Cable Mode Properly 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 Intermittent Remote Control Operation	 Normal Video	Replace Remote Control Batteries

NOTES

NOTES

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