Panasonic®

Operating Instructions 26"/32" Class 720p LCD HDTV

(26.0/31.5 inches measured diagonally)

Manual de instrucciones

Television de alta definición de 720p y clase 26"/ 32" de LCD

(26,0/31,5 pulgadas medidas diagonalmente)

Model No. TC-26LX85 TC-32LX85

Quick Start Guide

(See page 6-14)



(vea la página 6-14)



- For assistance (U.S.A.), please call:
 - 1-800-211-PANA (7262)

or visit us at www.panasonic.com/contactinfo

For assistance (Puerto Rico), please call: 787-750-4300

or visit us at www.panasonic.com

- For assistance (Canada), please call:
 - 1-866-330-0014

or visit us at www.vieraconcierge.ca

- Para solicitar ayuda (EE.UU.), llame al:
 - 1-800-211-PANA (7262)

ó visítenos en www.panasonic.com/contactinfo

Para solicitar ayuda (Puerto Rico), llame al: 787-750-4300

ó visítenos en www.panasonic.com







VIECA LINK

English

Please read these instructions before operating your set and retain them for future reference. The images shown in this manual are for illustrative purposes only.

Español

Lea estas instrucciones antes de utilizar su televisor y guárdelas para consultarlas en el futuro. Las imágenes mostradas en este manual tienen solamente fines ilustrativos.

Turn your own living room into a movie theater! Experience an amazing level of multimedia excitement





SDHC Logo is a trademark.



GalleryPlayer and the GalleryPlayer Logo are trademarks of GalleryPlayer, Inc.

HDAVI Control™

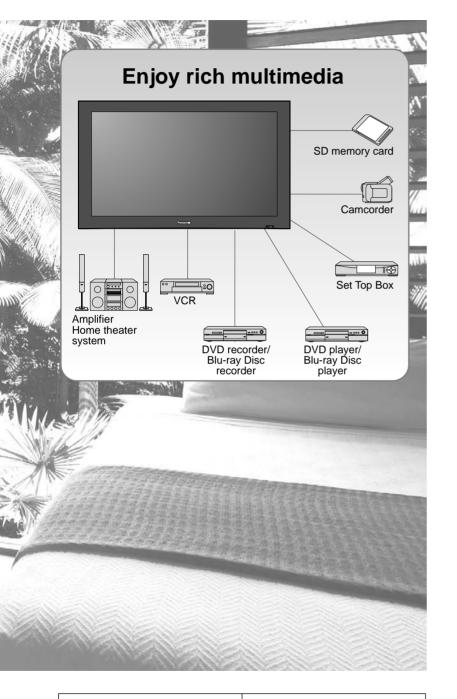
HDAVI Control™ is a trademark of Matsushita Electric Industrial Co., Ltd.



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Enjoy your TV!

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Safety Precautions



CAUTION

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 arrowhead 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.

Note to CATV System Installer

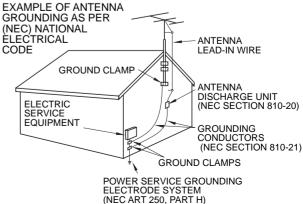
This reminder is provided to direct the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Secure Ventilation

Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to ensure reliable operation of the LCD TV and to protect it from overheating. These openings must not be blocked or covered. There should be at least 10 cm of space from these openings. The openings should never be blocked by placing the LCD TV on a bed, sofa, rug or other similar surface. This LCD TV should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments / accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) Operate only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home consult your television dealer or local power company.
- 16) Follow all warnings and instructions marked on the LCD TV.
- 17) Never push objects of any kind into this LCD TV 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 LCD TV.
- 18) If an outside antenna is connected to the television equipment, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. In the U.S. Section 810-21 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



- 19) An outside antenna system should not be located in the vicinity of overhead power lines, other electric light, 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.
- 20) Unplug this LCD TV from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - When the power cord or plug is damaged or frayed.
 - b. If liquid has been spilled into the LCD TV.
 - If the LCD TV has been exposed to rain or water. c.
 - d. If the LCD TV does not operate normally by following the operating instructions.

Adjust only those controls that are covered by 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 LCD TV to normal operation.

- If the LCD TV has been dropped or the cabinet has been damaged. e.
- When the LCD TV exhibits a distinct change in performance this indicates a need for service.
- 21) When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- 22) WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK. DO NOT EXPOSE THIS APPARATUS TO RAIN.

MOISTURE, DRIPPING OR SPLASHING.

DO NOT PLACE LIQUID CONTAINERS (FLOWER VASES, CUPS, COSMETICS, ETC.) ABOVE THE SET

(INCLUDING ON SHELVES ABOVE, ETC.).

SMALL PARTS CAN PRESENT CHOKING HAZARD IF ACCIDENTALLY SWALLOWED. KEEP SMALL 23) WARNING:

PARTS AWAY FROM YOUNG CHILDREN.

DISCARD UNNEEDED SMALL PARTS AND OTHER OBJECTS, INCLUDING PACKAGING MATERIALS AND PLASTIC BAGS/SHEETS TO PREVENT THEM FROM BEING PLAYED WITH BY YOUNG CHILDREN. CREATING THE POTENTIAL RISK OF SUFFOCATION.

24) CAUTION: TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS PLUG WITH A RECEPTACLE OR OTHER OUTLET

UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

25) CAUTION: USE WITH OTHER STAND MAY RESULT IN INSTABILITY POSSIBLY CAUSING INJURY.

26) CAUTION: DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME

OR EQUIVALENT TYPE.

27) CAUTION: This LCD TV is for use only with the following optional accessory. Use with any other type of optional accessories may cause instability which could result in the possibility of injury.

(All of the following accessories are manufactured by Matsushita Electric Industrial Co., Ltd.)

Wall-hanging bracket (Vertical): TY-WK32LR2W

Always be sure to ask a qualified technician to carry out set-up.

NOTE: This equipment is designed to operate in North America and other countries where the broadcasting system and AC house current are exactly the same as in North America.

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a TV Broadcast Receiver, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause or receive interference, which can be determined by turning equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the TV antenna.

Increase the separation between TV and other equipment.

Connect TV into separate outlet from other equipment.

Consult the dealer or an experienced radio / TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the FCC Caution:

user's authority to operate this equipment.

Accessories/Optional Accessory

Accessories

✓ Check you have all the items shown.

Accessories

☐ Remote Control
Transmitter
■ N2QAYB000221



☐ Batteries for the Remote Control Transmitter (2) • AA Battery

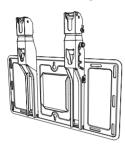


☐ Cleaning cloth



- ☐ Operating Instructions
- ☐ Notice sheet (Demo mode)
- ☐ Quick Setup Guide (For viewing HD Programming)
- ☐ Product Registration Card (U. S. A)
- ☐ Customer Care Plan Card (U. S. A)

Optional Accessory



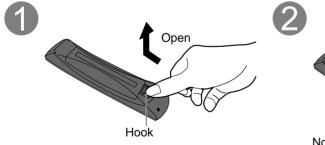
Wall-hanging bracket

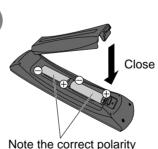
(vertical)

TY-WK32LR2W

Please contact your nearest Panasonic dealer to purchase the recommended wall-hanging bracket. For additional details, please refer to the wall-hanging bracket installation manual.

Installing the remote's batteries





Note the correct polarity (+ or -).

Caution

- Incorrect installation may cause battery leakage and corrosion, resulting in damage to the remote control.
 - Do not mix old and new batteries.
- Do not mix different battery types (such as alkaline and manganese batteries).
- Do not use rechargeable (Ni-Cd) hatteries
- Do not burn or break batteries.

Location

Place the TV at a comfortable distance for viewing. Avoid placing it where sunlight or other bright light (including reflections) will fall on the screen.

Use of some types of fluorescent lighting can reduce remote control transmitter range.

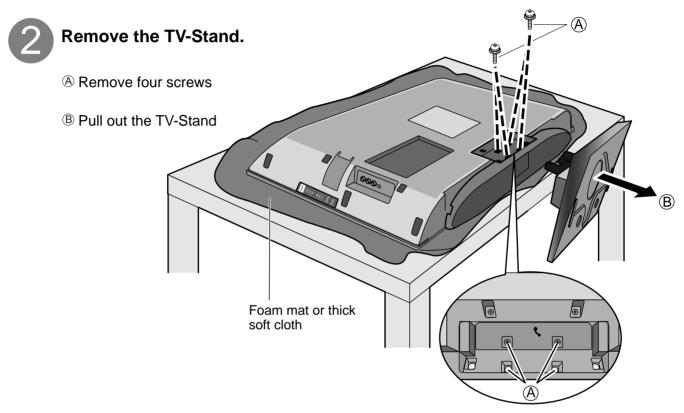
Adequate ventilation is essential to prevent an internal component failure. Keep away from areas of excessive heat or moisture.

Preparation for Wall-hanging

Before mounting the TV on the wall, you must remove the TV-Stand from the TV. Follow the steps below:

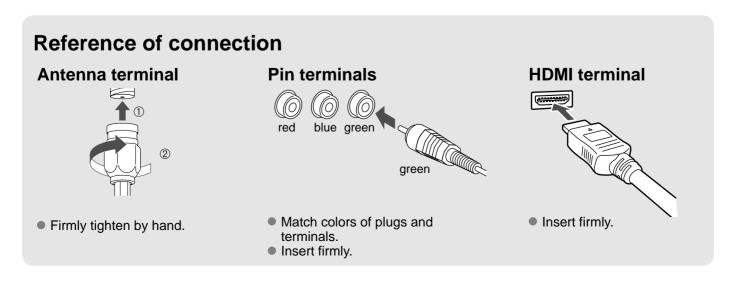


Disconnect all the cables from the TV.



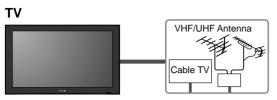
WARNING

- Failure to use a Panasonic bracket or choosing to mount the unit yourself will be done at the risk of the consumer. Any damage resulting from not having a professional installer mount the unit will void your unit's warranty.
- Always be sure to ask a qualified technician to carry out set-up.
 Incorrect fitting may cause equipment to fall, resulting in injury and product damage.
- Do not mount this LCD Television directly below ceiling lights (such as spotlights, floodlights, or halogen lights) which typically give off high heat. Doing so may warp or damage plastic cabinet parts.



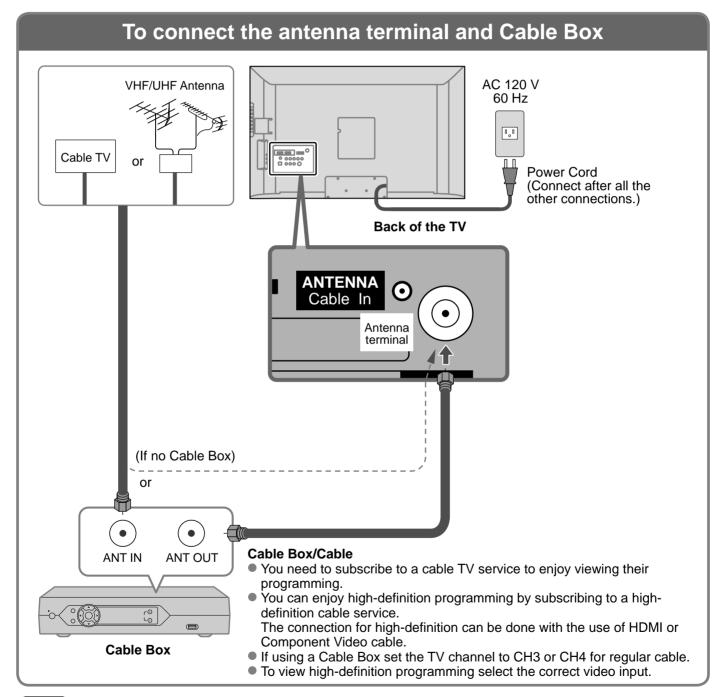
Basic Connection

Example 1 Connecting Antenna (To watch TV)



VHF/UHF Antenna

- NTSC (National Television System Committee): Conventional broadcasting
- ATSC (Advanced Television Systems Committee):
 Digital TV Standards include digital high-definition television (HDTV), standard-definition television (SDTV), data broadcasting, multi-channel surround-sound audio and interactive television.



Note

- All cables and external equipment shown in this book are not supplied with the TV.
- For the details of the external equipment's connections, please refer to the operating manuals for the equipment.
- For additional assistance, visit us at: www.panasonic.com

Example 2 Connecting DVD recorder (VCR) (To record/playback)

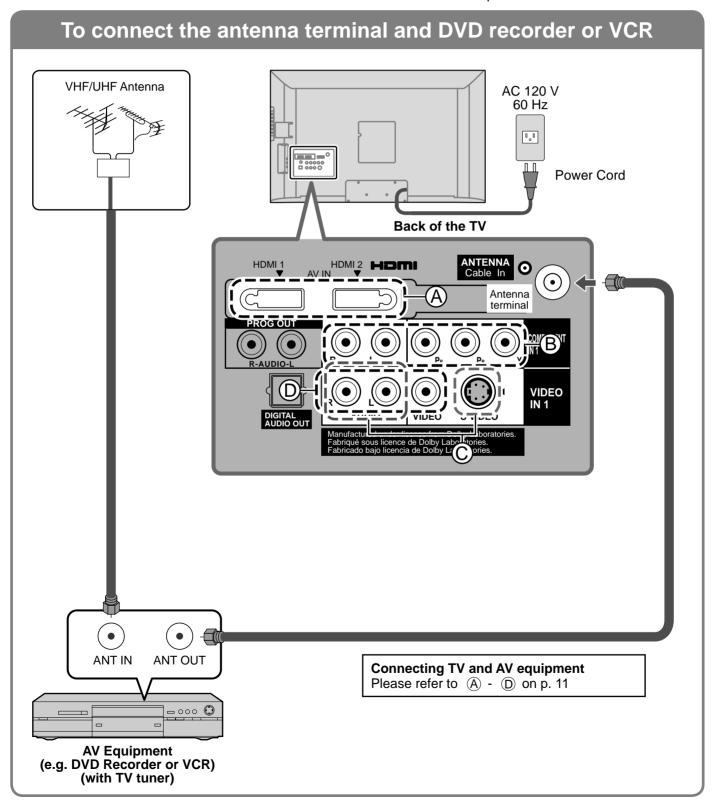


DVD Recorder

If this source has higher resolution through interlace or progressive signal, connection can be done with the use of Component Video or HDMI cable.

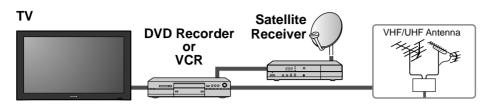
VCR

Connection can be done with the use of an RF cable and Composite Video/S Video cable.

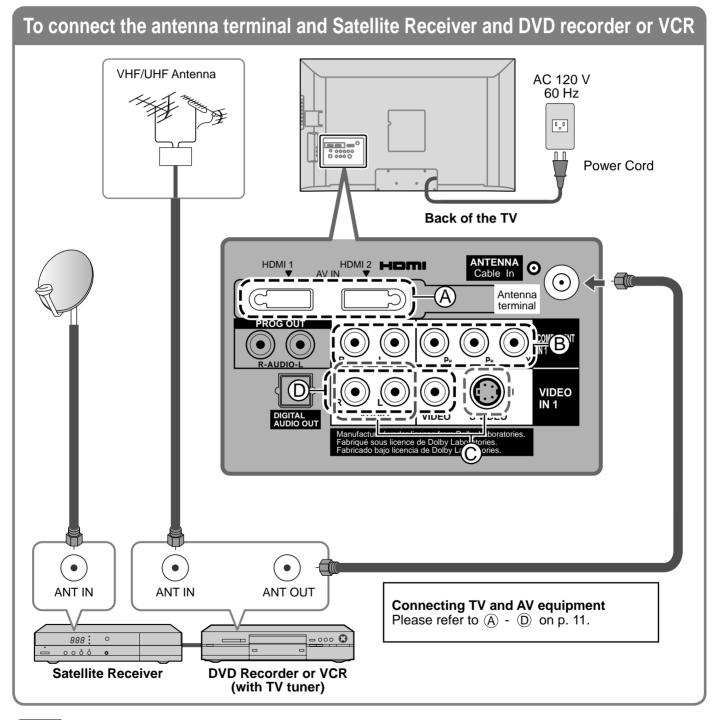


Basic Connection (Continued)

Example 3 Connecting DVD recorder (VCR) and satellite receiver



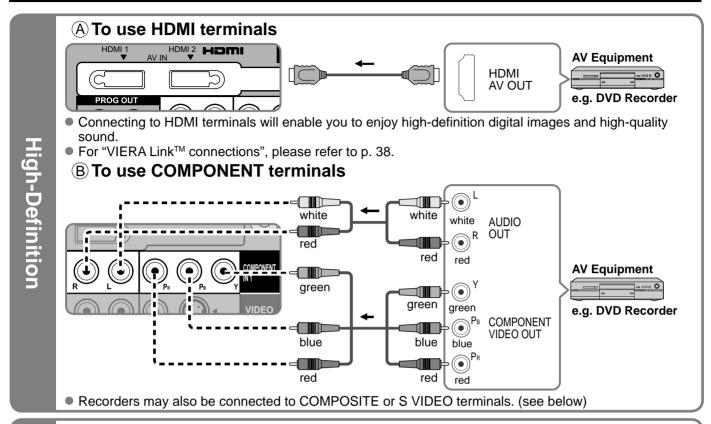
You can enjoy high-definition programming by subscribing to high-definition satellite service. Connection can be done with the use of HDMI or Component Video cable.

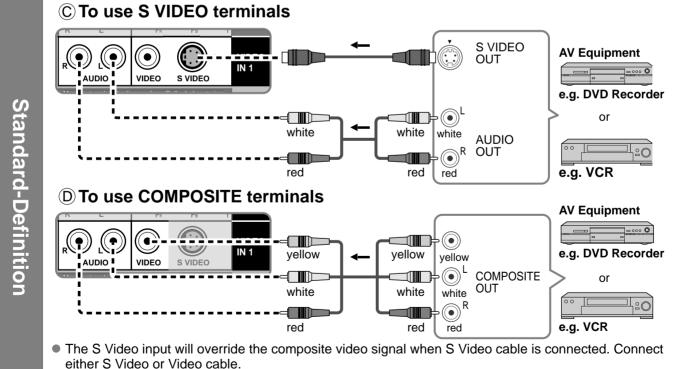


Note

• For details of external equipment connections, please refer to the operating manuals for the equipment.

AV cable connections





Note

terminals.

- Some programs contain a copyright protection signal to prevent recording.
- When the copyright protection program is displayed, do not connect the other TV monitor through a VCR. Video signals fed through VCRs may be affected by copyright protection systems and the picture will be distorted on the other TV monitor.

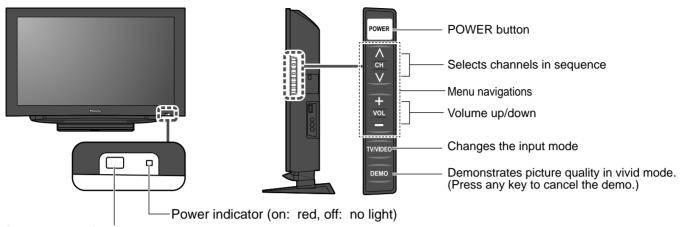
Connecting to S VIDEO terminals will enable you to enjoy greater picture quality than using Composite

• For the details of the external equipment's connections, please refer to the operating manuals for the equipment.

Identifying Controls

TV controls/indicators

Front of the TV

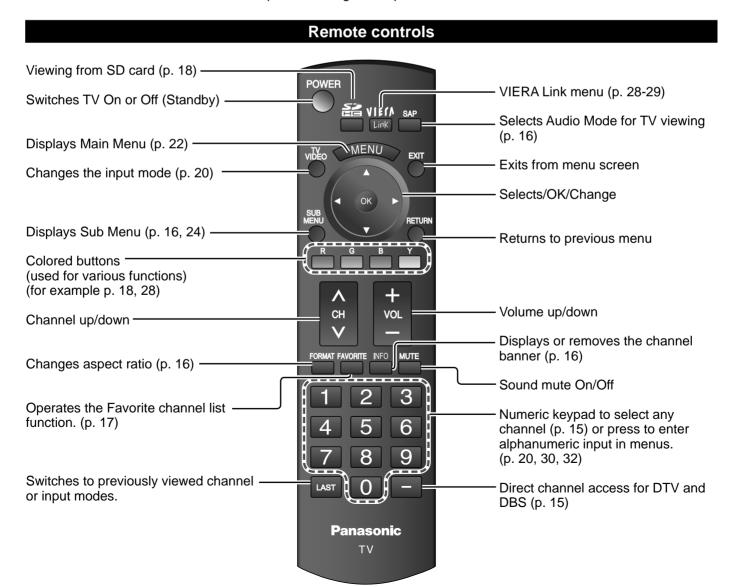


Remote control sensor

Within about 23 feet (7 meters) in front of the TV set.

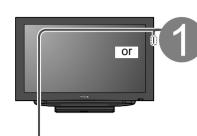
Note

The TV consumes a limited amount of power as long as the power cord is inserted into the wall outlet.



First Time Setup

"First time setup" is displayed only when the TV is turned on for the first time after the power cord is inserted into a wall outlet and when "Auto power on" (p. 24-25) is set to "No".



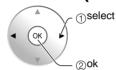
Turn the TV On with the POWER button





Be sure to select "Home" (Normal display mode)





- This setting will be skipped next time.
- If you select "Store", "First time setup" will not be displayed. In case you select "Store" by mistake, unplug the TV and plug it again. Then, set to "Home" next time.
- This selection screen is displayed when "Store" is selected.



Select your language







Go back to previous screen.

■ Press to exit from a menu screen

■ Press to return to the previous screen

RETURN

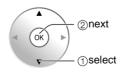


Note

 To change setting (Language/Clock/ Auto program) later, go to Menu screen (p. 24)







Clock			
Year	4	2008	þ
Month		1	
Day		7	
Hour		10 AM	
Minute		10	



Year: Select the year
Month: Select the month
Day: Select the day
Hour: Adjust the hour
Minute: Adjust the minute



Go back to previous screen.

First Time Setup (Continued)



■ Press to exit from a menu screen

Panasonic

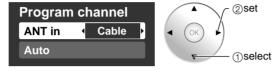
ΤV

Auto channel setup

1 Select "Auto program"



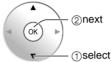
② Select "ANT in"



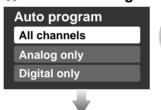
ANT in
Cable: Cable TV
Antenna: Antenna

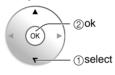
③ Select "Auto"

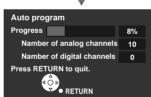




4 Select scanning mode (ALL channels/Analog only/Digital only)





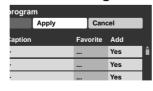


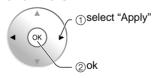
Start scanning the channels

Available channels (analog/digital) are automatically set.

All channels: Scans digital and analog channels Analog only: Scans Analog channels only Digital only: Scans Digital channels only

(5) Confirm registered channels





- If OK is not pressed after selecting "Apply", the channels will not be saved. The channel will be saved when no operation is performed for 60 seconds and the "Manual program" menu will also exit automatically.
- If you perform scanning more than twice, previously saved channels are erased.

Note

About broadcasting systems

Analog (NTSC): Conventional broadcasting

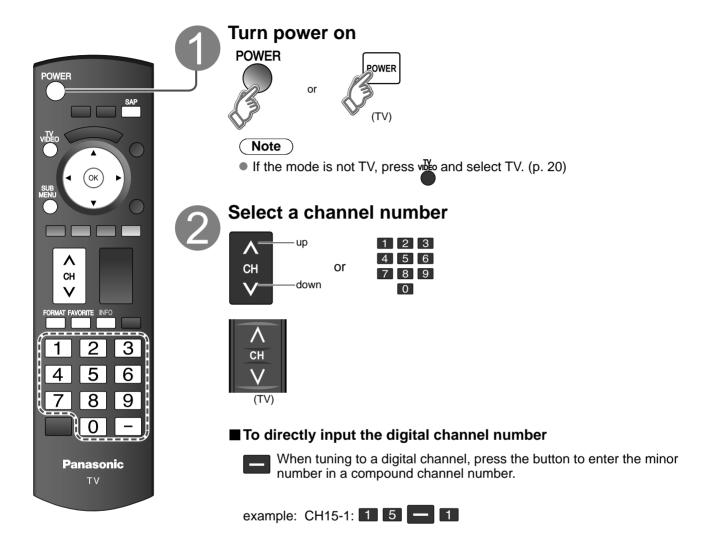
Digital (ATSC): New programming that allows you to view more channels

featuring high-quality video and sound

Watching TV

Connect the TV to a cable box/cable, set-top-box, satellite box, or antenna cable (p. 8-11)

To watch TV and other functions

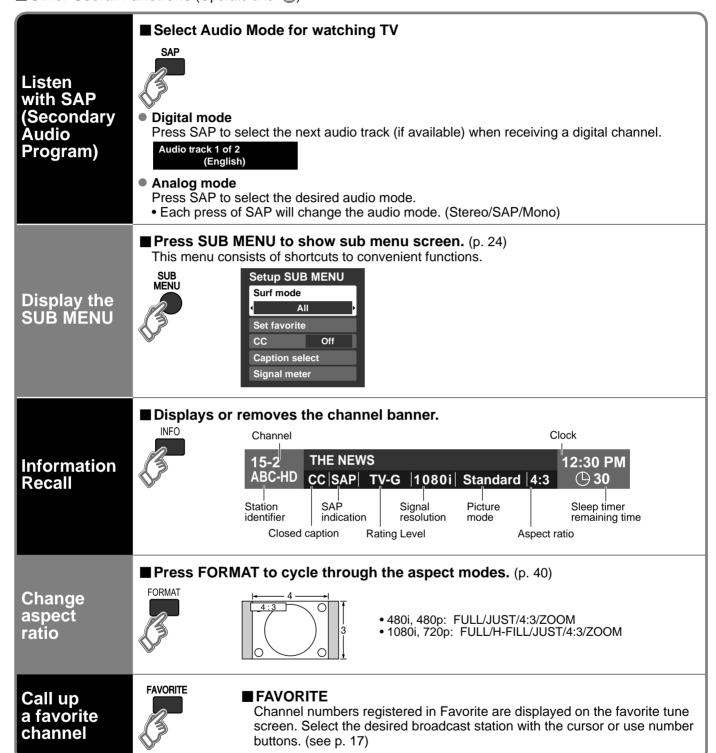


Note

- Reselect "Cable" or "Antenna" in "ANT in" of "Program channel" to switch the signal reception between cable TV and antenna. (p. 14, 33)
- The channel number and volume level remain the same even after the TV is turned off.

Watching TV (Continued)

■ Other Useful Functions (Operate after ②)

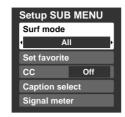


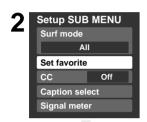
Favorite Feature

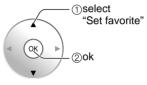
■Set Favorite Feature

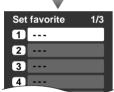
■ Display the SUB MENU.



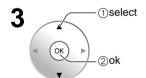






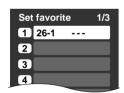


• Press FAVORITE repeatedly to change between pages (1/3, 2/3, 3/3, or exit).



Press ▲ ▼to highlight a position on the list.

Then, press OK to save the displayed channel in that position.



 You can also use the NUMBER buttons (1-9 and 0) to select a list number (1-9 and 0). By doing so, the displayed channel will be saved on that list number without pressing OK.

To delete a favorite channel

A saved channel can be removed from the list by holding down OK while its position is highlighted.

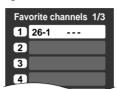
To change the page

Pressing ◀ changes the page backward.

■Use Favorite Feature



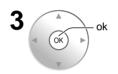
Press FAVORITE.
• Press FAVORITE repeatedly to change between pages (1/3, 2/3, 3/3, or exit).





Press ▲ ▼ or a Numbered key (1-9 and 0) to highlight a channel on the list.

 Selecting a channel number from the list with the number button will display the channel directly.



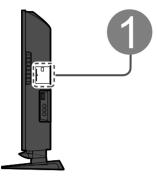
Press OK to display the highlighted channel.

Pressing ▶ changes the page forward.

Viewing from SD Card

You can view photos taken with a digital camera or digital video camera and saved on an SD card. (Media other than SD Cards may not be reproduced properly.)





MENU

Insert the SD card and select "Play SD card now"

"SD card setting" will be displayed automatically each time a SD card is inserted for the first time.



Play SD card automatically:

Set it to playback the data when SD card is inserted.

When SD card is inserted the data plays automatically from

1) select

next time.

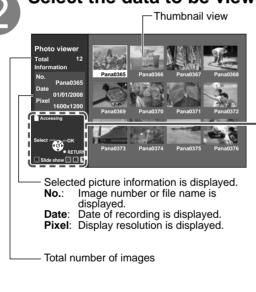
The data can be played manually.

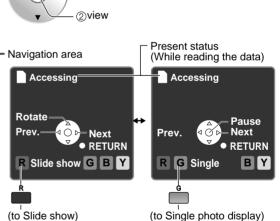


in "Play SD card automatically" setting.



Select the data to be viewed





Note

 Depending on the JPEG format, "Information" contents may not be displayed correctly. Refer to p. 41 (Data format for SD card browsing) for details.

Press to exit from a menu screen EXIT

Panasonic

ΤV



■ Press to return to the previous screen **RETURN**

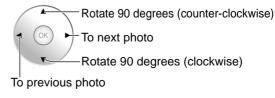




Navigation area

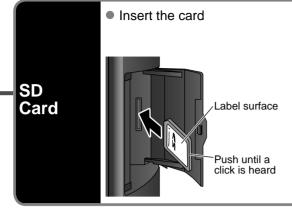


Displays one at a time



To display/hide Navigation area ⇒





Remove the card
 Press in lightly on SD Card, then release.



- Compliant card type (maximum capacity): SDHC Card (16 GB), SD Card (2 GB), miniSD Card (1 GB) (requiring miniSD Card adapter)
- For cautions and details on SD Cards (p. 41)

To change the view (slide show mode, adjusting images, etc.)

■To setup slide show mode

In 2 or 3

Display "Photo menu"

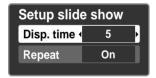


2 Select "Setup slide show"





3 Select the item and adjust





Disp. time	You can set how many seconds each image is displayed in Slide show mode. (1-10/15/20/30/45/60/120 sec)
RANASI	Turn the slide show Repeat function On or Off.

Note

- For large image sizes, the display time will be longer than the number of seconds set.
- To stop in mid-cycle → Press RETURN

■To adjust picture

In 2 or 3

✓ Display "Photo menu"



2 Select "Picture"

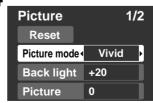


3 Select the item



Picture menu (p. 22)







Watching Videos and DVDs

If you have applicable equipment connected to the TV, you can watch videos and DVDs on the TV's screen.

Input Select

You can select the external equipment to access.

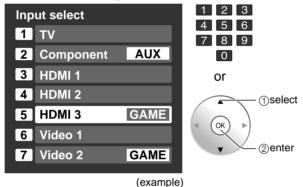


With the connected equipment turned On **Display the Input select menu**



2

Select the input mode



Press corresponding NUMBER button on the remote control to select the input of your choice.

Select the input of your choice, then press OK.

 During the selection, if no action is taken for several seconds, the "Input select" menu disappears.





 The terminal and label of the connected equipment are displayed.
 To label each of the inputs, please refer to p. 35.

■ To return to TV

Panasonic

T۷



Note

- The input label will be displayed on "Input select" screen if Input label is set on p. 35.
- For side input terminals (HDMI 3/Video 2), "GAME" input label is set as default. (Picture mode is set to "Game", refer to p. 42.)
- For more details for picture mode setting, refer to p. 42. For Input label, refer to p. 35.

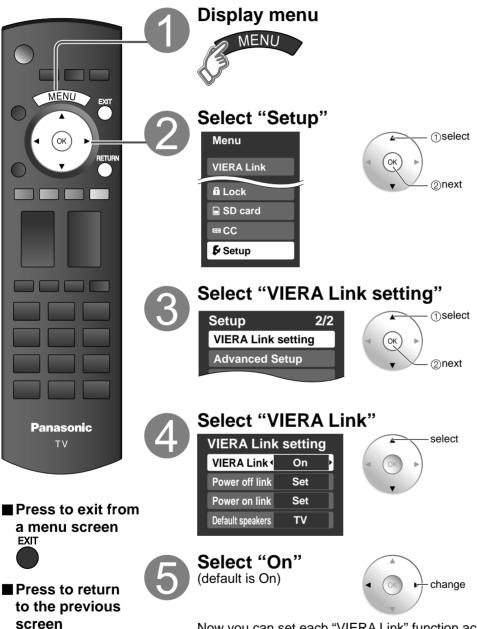
Operate the connected equipment using the remote control supplied with the equipment.

Note

• For details, see the manual for the connected equipment.

VIERA Link™ Setting

If you connect equipment that has "HDAVI Control" function to a TV with HDMI cable, you can use more convenient functions. Please refer to p. 26-29. Before using these functions, you need to set "VIERA Link" setting to "On" as shown below.



Now you can set each "VIERA Link" function according to your preference (p. 26-27).

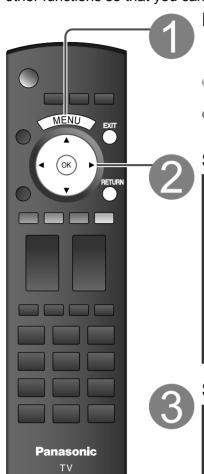
Note

RETURN

- If no HDMI equipment is connected or standard HDMI equipment (non- "VIERA Link") is used, set it to "Off".
- For the details on the external equipment's connections, please refer to the operating manuals for the equipment.

How to Use Menu Functions

Various menus allow you to make settings for the picture, sound, and other functions so that you can enjoy watching TV best suited for you.



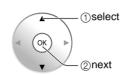
Display menu



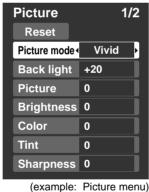
 Displays the functions that can be set (varies depending on the input signal)

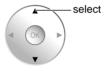
Select the menu





Select the item





adjust

select

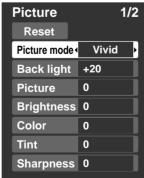
or

■ Press to exit from a menu screen **EXIT**

■ Press to return to the previous screen RETURN



Adjust or select







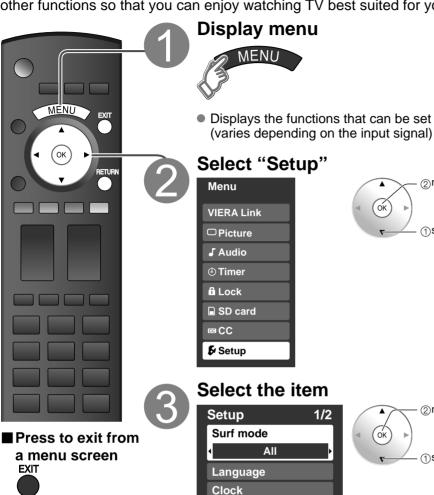
■Menu list					
Menu	Item				
VIERA Link	Record now Stop recording VIERA Link control Speaker output				
	Rese	t			
	Picture mode				
	Back light				
	Picture, Brightness, Color, Tint, Sharpness				
70	Colo	r temp.			
Picture	Colo	r mgmt.			
Jre	Al pi	cture			
	Zoom adjust				
	Ad	Video NR			
	Advanced picture	Color matrix			
		MPEG NR			
		Black level			
	Rese	t			
	Bass	;			
	Treb	le			
	Bala	nce			
A	Advanced audio	Al sound			
udi		Surround			
0		Audio leveler			
		Speaker output			
		HDMI 1 in HDMI 2 in HDMI 3 in			
Timer	Sleep, Timer 1-5				
Lock					
SD Card	SD card				
СС	СС				

Adjustments/Configurations (alter	rnatives)	
[Record now/Stop recording] Records programs on the recorder immediately with the TV's remote control (p. [VIERA Link control] Selects equipment to access and operate. (Recorder/Home theater/Player/Ca [Speaker output] Selects an audio output. (Home theater/TV) (p. 28-29) VIERA Link menu is accessible directly by pressing the VIERA Link button on the relationship.	mcorder) (p.28-29)	28)
Resets all picture adjustments to factory default settings except for "Advanced p	picture".	Reset
Basic picture mode (Vivid/Standard/Cinema/Game/Custom) (p. 42)		Picture mode Vivid
Adjusts luminance of the back light.		Back light +20
Adjusts color, brightness, etc. for each picture mode to suit your taste Display range Picture/Brightness/Color/Sharpness: 0 - 100 Tint: 0 - 50 - +50	Picture +20 Brightness 0 Color 0	Tint 0 Sharpness 0
Selects a choice of Cool(blue), Normal, or Warm(red) color. (Cool/Normal/Warr	n)	Color temp. Cool
On: Enhances green and blue color reproduction, especially outdoor scenes. (C	On/Off)	Color mgmt. On
Controls dark areas without affecting the black level or brightness in the overall	picture (On/Off)	Al picture On
Adjusts vertical alignment and size when aspect setting is "ZOOM" (p. 40)		Zoom adjust
Reduces noise, commonly called snow. Leave it off when receiving a strong sign	nal. (Off/On)	Video NR Off
Selects image resolution of component-connected devices (HD/SD) SD: Standard Definition HD: High Definition Only 480p signal accepted; regular TV (NTSC) is not available.		Color matrix SD
Reduces noise of specific digital signals of DVD, STB, etc. (On/Off)		MPEG NR Off
Selects Dark or Light. Valid only for external input signals. (Dark/Light)		Black level Light
Resets Bass, Treble and Balance adjustments to factory default settings.		Reset
Increases or decreases the bass response.		Bass 0
Increases or decreases the treble response.		Treble 0
Emphasizes the left / right speaker volume.		Balance 0
Equalizes overall volume levels across all channels and external inputs. (On/Of	f)	Al sound On
Enhances audio response when listening to stereo. (On/Off)		Surround Off
Minimizes volume disparity after switching to external inputs		Audio leveler 0
Switch to "Off" when using external speakers (On/Off) "Al sound", "Surround", and "Audio leveler" do not work if "Off" is selected		Speaker output On
The default setting is "Digital" for HDMI connection. (Digital input signal) Select audio input terminal when DVI cable is connected. (Analog audio input si (Digital/Component/Video 1/Video 2)	gnal)	HDMI1 in Digital HDMI2 in Digital HDMI3 in Digital
The TV can automatically turn On/Off at the designated date and time (p. 36)		Sleep 60
Locks the channels and programs (p. 30)		
Displays SD card data (p. 18-19)		SD card
Displays subtitles (Closed Caption) (p. 34)		СС

[•] In AV mode, the Audio menu and Setup menu give fewer options.

How to Use Menu Functions

Various menus allow you to make settings for the picture, sound, and other functions so that you can enjoy watching TV best suited for you.



■ Menu list

@next

1) select

②next

1) select

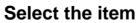
	u list		
Menu		Item	
	Surf	mode	
	Language		
	Clock		
	Program channel		
	External devices	Input labels	
	<	VIERA Link	
	VIERA Link setting	Power off link	
		Power on link	
		Default speakers	
Setup	Advanced setup	Auto power on	
3		No signal shut-off	
		No action shut-off	
		Power Save	
		Play SD card automatically	
	Abοι	ut	
	Rese	t	
<u></u>			

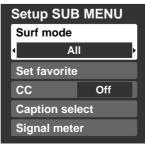


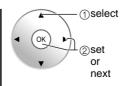
Program channel External devices











■Sub menu list

Menu	Item	
S	Surf mode	
S	Set favorite	
≥ et	СС	
Setup SUB MENU	Caption select	
	Signal meter	

■ Press to return to the previous

> screen RETURN

(Continued)

Adjustments/Configurations (alternatives)	
Sets the mode to select the channel with Channel up/down button (All/Favorite/Digital Only/Analog only) • Favorite: Only channels registered as FAVORITE (p. 17)	Surf mode All
Selects the screen menu language (p. 13)	Language
Adjusts the clock (p. 13)	Clock
Sets channels (p. 32)	Program channel
Selects the terminal and label of the external equipment (p. 35)	
Controls equipment connected to HDMI terminals (p. 26) (On/Off) • "Power off link", "Power on link", and "Default speakers" cannot be selected if "Off" is set.	VIERA Link On
Sets "Power off link" of HDMI connection equipment (p. 26) (Set/No)	Power off link Set
Sets "Power on link" of HDMI connection equipment (p. 26) (Set/No)	Power on link Set
Selects the default speakers (p. 26) (TV/Theater)	Default speakers TV
Turns TV On automatically when the cable box or a connected device is turned On (No/Set) The "Sleep" timer, "On / Off timer", and "First time setup" will not function if "Auto power on" is set. (p. 36)	Auto power on No
To conserve energy, the TV automatically turns off when NO SIGNAL and NO OPERATION is performed for more than 10 minutes. (Set/No) Note Not in use when setting "Auto power on", "On/Off Timer", "Lock", or Digital channel. "No signal shut-off was activated" will be displayed for about 10 seconds when the TV is turned on for the first time after turning the power off by "No signal shut-off". The on-screen display will flash 3, 2 and 1 to indicate the last three (3) remaining minutes prior to the shut-off.	No signal shut-off Set
To conserve energy, the TV automatically turns off when no operation of remote or side panel key continues for more than 3 hours. (No/Set) Note Not in use when setting "Auto power on" or "On/Off Timer". "No action shut-off was activated" will be displayed for about 10 seconds when the TV is turned on for the first time after turning the power off by "No action shut off". The on-screen display will flash 3, 2 and 1 to indicate the last three (3) remaining minutes prior to the shut-off.	No action shut-off No
Reduces screen brightness to lower power consumption. Eye-friendly for viewing in a dark room. (Standard/Saving)	Power Save Standard
Set "On" to play back SD cards automatically. (On/Off)	Play SD card automatically On
Displays TV version and software license.	About
Performing Reset will clear all items set with Setup, such as channel settings. (p. 32)	Reset

Adjustments/Configurations (alternatives)			
S	ets the mode to select the channel with Channel up/down button (All/Favorite/Digital Only/Analog only)		
S	ets favorite channels. (p. 17)		
D	risplays Closed Caption. (p. 34) (Off/On)		
С	hanges the station identifier. (p. 33)		
С	hecks the signal strength if interference or freezing occurs on a digital image. (p. 33)		

VIERA LinkTM "HDAVI ControlTM"*

* Simultaneously control all Panasonic "HDAVI Control" equipped components using one button on one remote.

VIERA Link™ is a new name for EZ Sync™.

Enjoy additional HDMI Inter-Operability with Panasonic products which have "HDAVI Control" function. This TV supports "HDAVI Control 3" function.

Connections to the equipment (DVD recorder DIGA, HD Camcorder, Player theatre, RAM theater, Amplifier, etc.) with HDMI cables allow you to interface them automatically.

The equipment with "HDAVI Control" function enables the following operations:

- Automatic Input Switching (p. 27)
- Power on link (p. 27)
- Power off link (p. 27)
- Default speakers (p. 27)
- One-touch theater playback (p. 27)
- Speaker control (p. 29)

The equipment with "HDAVI Control 2" (or more) function enables the following operations.

- VIERA Link control only with the TV's remote control (for "HDAVI Control 2" or "HDAVI Control 3") (p. 29)
- Providing the setting information (for "HDAVI Control 3") (p. 27)
- Automatic lip-sync function (for "HDAVI Control 3") (p. 27)
- Direct TV Recording (for "HDAVI Control 3") (p. 29)

VIERA Link "HDAVI Control", based on the control functions provided by HDMI which is an industry standard known as HDMI CEC (Consumer Electronics Control), is a unique function that we have developed and added. As such, its operation with other manufacturers' equipment that supports HDMI CEC cannot be guaranteed.

Please refer to the individual manuals for other manufacturers' equipment supporting the VIERA Link function.

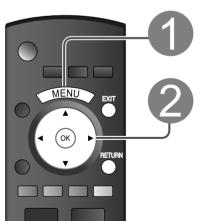
■For the first time / When adding new equipment, reconnecting equipment or changing the setup after the connection, turn the equipment on and then switch the TV on. Select the input mode to HDMI1, HDMI2 or HDMI3 (p. 20), and make sure that an image is displayed correctly.

■HDMI cable

This function needs an HDMI compliant (fully wired) cable. Non-HDMI-compliant cables cannot be utilized. It is recommended that you use Panasonic's HDMI cable. Recommended part number: RP-CDHG10 (3.3 ft/1.0 m) RP-CDHG15 (4.9 ft/1.5 m), RP-CDHG20 (6.6 ft/2.0 m).

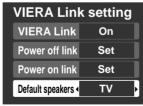
RP-CDHG30 (9.8 ft/3.0 m), RP-CDHG50 (16.4 ft/5.0 m)

* For more detail on the external equipment's connections, please refer to the operating manuals for the equipment.



Follow direction 1 - 5 in "VIERA Link setting" (p. 21)

Select settings



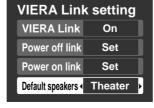


■ Press to exit from a menu screen

3

■ Press to return to the previous screen

Set





Automatic Input Switching

Power on link

Power off link

Default speakers

One-touch theater playback

Providing the setting information (for "HDAVI Control 3")

Automatic lip-sync function (for "HDAVI Control 3") At the start of the DIGA, Player theater, or RAM theater playback, the TV's input automatically switches to the input based on the playback equipment.

For the RAM theater, the speakers automatically switch to the theater system.
 If using the DIGA operation, the TV's input automatically switches to the DIGA and DIGA menu is displayed.

When "Set" is selected (p. 25), TV is turned on automatically and switches to the appropriate HDMI input whenever VIERA Link compatible equipment is initially turned on and Play mode is selected.

When "Set" is selected (p. 25) and the TV is turned off, all connected VIERA Link compatible equipment is also automatically turned off.

DIGA (Panasonic DVD Recorder) will not turn off if it is still in rec mode.

Caution: The TV remains on even if the VIERA Link compatible equipment is turned off.

"TV" is the default setting. To set the Home Theater system as default speakers, change the default speakers setting from "TV" to "Theater". Sound will be output from the Home Theater whenever the TV is powered on.

If the "ONE TOUCH PLAY" key is pressed on the remote control for Panasonic Home Theater system, the following sequence of operations is performed automatically.

- 1 Home Theater power switches On, and playback begins.
- 2 TV power switches On, and the playback screen is displayed.
- 3 Audio is muted on the TV and switches to the theater system.

The following information about the TV settings can be transmitted to each equipment (Recorder/Home theater/Player) that has "HDAVI Control 3" function connected to a TV with HDMI cable.

Transm	Recorder	Home theater	Player	
① On Screen Displ (English/Españo	ay Language setting I/Français)	0	0	0
② Panel Aspect Ra (16:9 fixed)	Panel Aspect Ratio (16:9 fixed)		0	0
	Mode	0		
③ Closed caption information	CC type	0		
	Digital setting	0		
	Input signal	0		
4 Channel information	Channel list	0		
	Caption information	0		

Note

- There is a possibility that all the GUI language information might be set from equipment that has HDMI CEC function connected toTV with HDMI cable. Depending on operating conditions or the specification for each piece of equipment the setting may or may not be applied.
- For the detail on external equipment's operation, please refer to the operating manuals for the equipment.

[For Recorder]

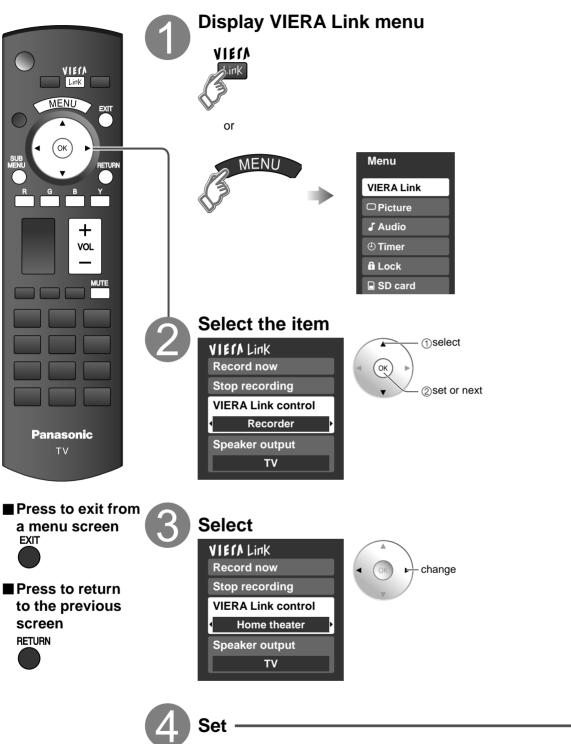
You cannot operate other functions while transmitting TV's information above except Power On/Off key operation. When you turn off this unit, the transmission will be interrupted (only when you are transmitting ④ Channel information).

Minimizes lip-sync delays between the picture and audio when you connect to a Panasonic theater system or Amplifier.

VIERA LinkTM "HDAVI ControlTM"*

You can enjoy more convenient operation with the "HDAVI Control" function in the "VIERA Link"

For more details on the "HDAVI Control" function, refer to p. 26



Speaker control VIERA Link Control TV's remote control (for "HDAVI Control 2"

only with the or "HDAVI Control 3")

Direct TV Recording (for "HDAVI Control 3")

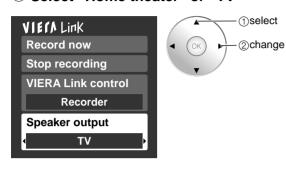
(Continued)

You can select Home theater or TV speakers for audio output.

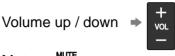
Control theater speakers with the TV's remote control.

This function is available only when Panasonic Amplifier or Player theater is connected.

- 1 Select "Speaker output"
- 2 Select "Home theater" or "TV"



■Home theater: Adjustment for equipment

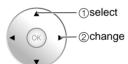


- Mute → MUTE
- The sound of the TV is muted.
- When the equipment is turned off, the TV speakers take over.
- Selecting "Home theater" turns the equipment on automatically if it is in standby mode.
- **TV:** The TV speakers are on.

In the VIERA Link menu, you can select HDMI connected equipment and access it quickly. Continue using your TV's remote control to operate the equipment, pointing it at the TV.

- 1 Select "VIERA Link Control"
- ② Select the equipment you want to access. (Recorder/Home theater/Player/Camcorder)





You can select available items only.

Available TV's remote control buttons

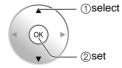
	Move the cursor/Select				
ОК	Set/Access				
RETURN	Return to the previous menu				
SUB MENU	Display the Functions menu on the equipment				
R G B Y	Available when the purpose of the keys is displayed on screen				

- ③ Operate the equipment with the TV's remote control, pointing it at the TV.
- To operate the equipment, read the manual of the equipment.

Records the current program on the recorder immediately.

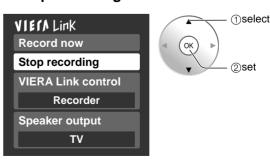
1) Select "Record now"





 For optimal recording, the settings of the recorder might be required. For details, read the manual of the recorder.

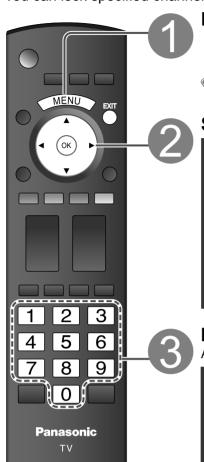
②Select "Stop recording", when you want to stop recording



 Recording will not stop automatically when the program is finished.

Lock

You can lock specified channels or shows to prevent children from watching objectionable content.

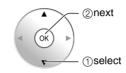


Display menu



Select "Lock"





You will be asked to enter your password each time you display the Lock menu.



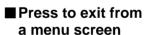
Input your 4-digit password

A 4-digit code must be entered to view a blocked program or change rating settings.



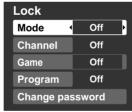


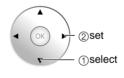
 If it is your first time entering the password, enter the password twice in order to register it.





Select the Lock mode





Off: Unlocks all the lock settings of "Channel", "Game" and "Program".

All: Locks all the inputs regardless of the lock settings of "Channel",

"Game" and "Program". Custom: Locks specified inputs of "Channel", "Game" and

"Program".

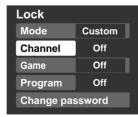
Caution

Make a note of your password in case you forget it. (If you have forgotten your password, consult your local dealer.)

Note

When you select a locked channel, a message will be displayed that allows you to view the channel if you input your password.





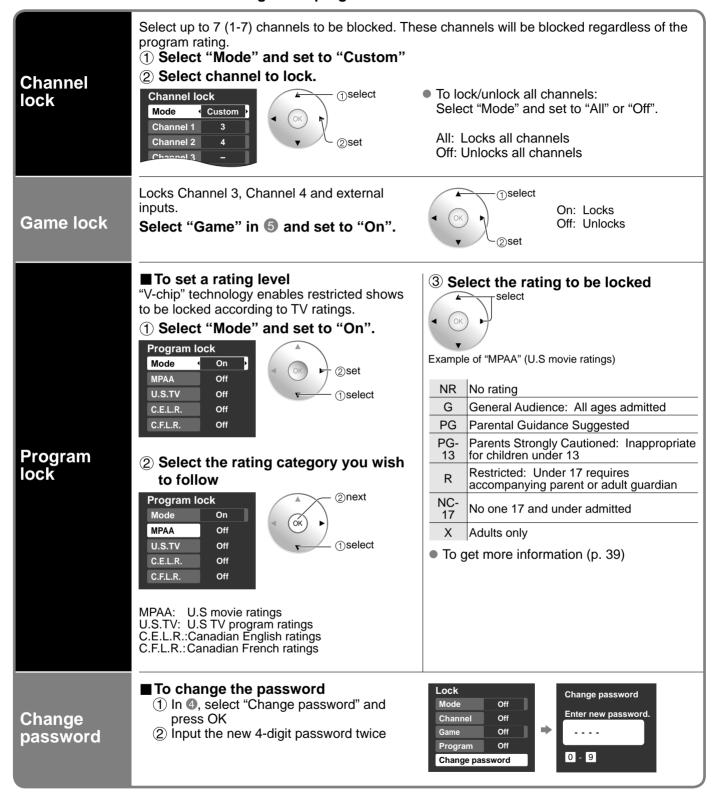


"Channel", "Game" and "Program" will grey out unless "Custom" is selected in "Mode".





■ To select the channel or the rating of the program to be locked

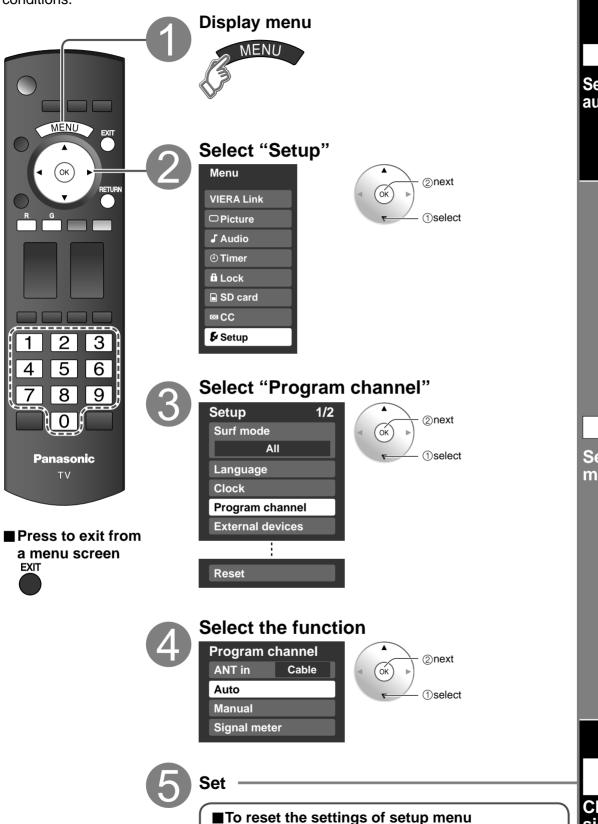


Note

- This television is designed to support the "Downloadable U.S. Region Rating System" when available. (Available only in U.S.A.)
- The Off rating is independent of other ratings.
- When placing a lock on a specific-age-based-rating level, the Off rating and any other more restrictive ratings will also be blocked.

Editing and Setting Channels

The current channel settings can be changed according to your needs and reception conditions.



① Select "Reset" in Setup menu (3) and press OK

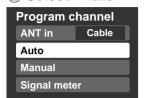
② Input your 4-digit password with number buttons③ Select "YES" on the confirmation screen and press OK

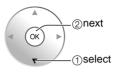
Auto Set automatically **Manual** Set manually Signal meter Check signal strength

RETURN

Automatically searches and adds available channels to the memory.

- 1 Select "ANT in"
 - ⇒ Select Cable or Antenna (p. 14)
- ② Select "Auto"





(3) Select a scanning mode (p. 14)



Settings are made automatically

- After the scanning is completed, select "Apply". (see below (5)).
- All previously saved channels are erased.

Use this procedure when changing the channel setup or changing the channel display.

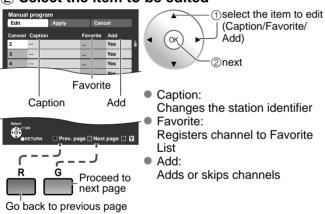
Also, use this to add or skip channels from the channel list manually.

You can select a channel tuning mode (Digital only/ Analog only) in "Surf mode" (p. 25)

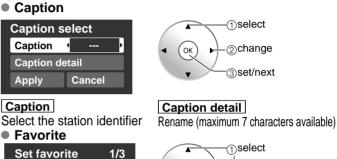
1 Select "Edit"



② Select the item to be edited









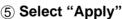


bbA

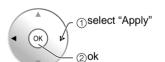
Press OK to select "Yes (add)" or "No (skip)"











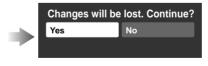
To cancel the Edit

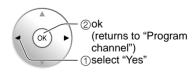


45%

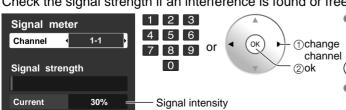
Peak level





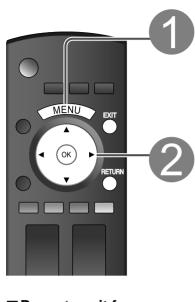


Check the signal strength if an interference is found or freezing occurs on a digital image.



- If the signal is weak, check the antenna. If no problem is found, consult your local dealer.
- Note `
- Not available if "Cable" is selected in "ANT in" (see above).
- Available only for digital antenna channels.

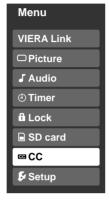
Closed Caption

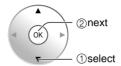


Display menu



Select "CC"





■ Press to exit from a menu screen EXIT

CC

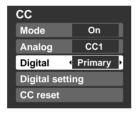
Display

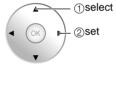
Closed

Caption

The television includes a built-in decoder that is capable of providing a text display of the audio. The program being viewed must be transmitting Closed Caption (CC) information. (p. 40)

■ Select the item and set





 The settings in "Analog" or "Digital" depend on the broadcaster. **Mode** Select "On" (when not using, select "Off").

Analog

(Choose the Closed Caption service of Analog broadcasting.)

CC1-4:

Information related to pictures (Appears at bottom of screen)

T1-4: Textual information

(Appears over entire screen)

Digital

(The Digital Closed Caption menu lets you configure the way you choose to view the digital

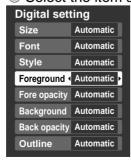
captioning.)

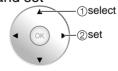
Select the setting.

"Primary", "Second.", "Service 3", "Service 4", "Service 5", "Service 6"

■ To make more in-depth display settings in digital programs

- ① Select "Digital setting" and press OK
- 2 Select the item and set



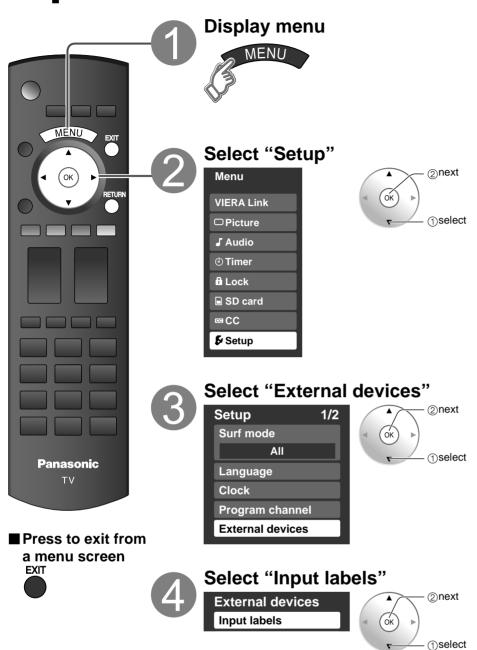


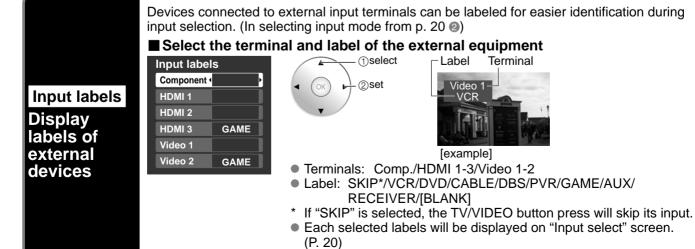
- Size: Text size
- Font: Text font
- Style: Text style (Raised, Depressed, etc.)
- Foreground: Color of text
- Fore opacity: Opacity of text
- Background: Color of text box
- Back opacity: Opacity of text box
- Outline: Outline color of text
 - (Identify the setting options on the screen.)

■To reset the settings

Select "CC reset" and press OK

Input Labels

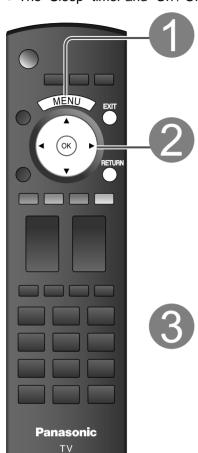




Using Timer

The TV can automatically turn On/Off at the designated date and time.

- The Clock must be set before On time/Off time settings. (p. 13)
- The "Sleep" timer and "On / Off timer" will not work if the "Auto power on" (p. 25) is set.

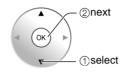


Display menu



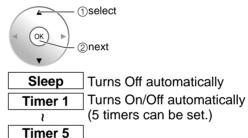
Select "Timer"





Select the timer to set







■ Press to exit from a menu screen



■ Press to return to the previous screen



Note

The TV automatically turns Off after 90 minutes when turned On by the Timer. This operation will be cancelled if the Off time is selected or if a key is pressed.

Set the timer

■ To set "Sleep" (Off Timer)

Set to shut the unit off after a pre-selected amount of time.

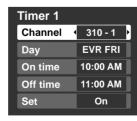


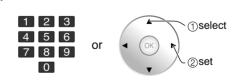


0/30/60/90 (minutes)

■ To set "Timer 1-5" (On/Off Timer)

Select the item and set





Channel Select the channel

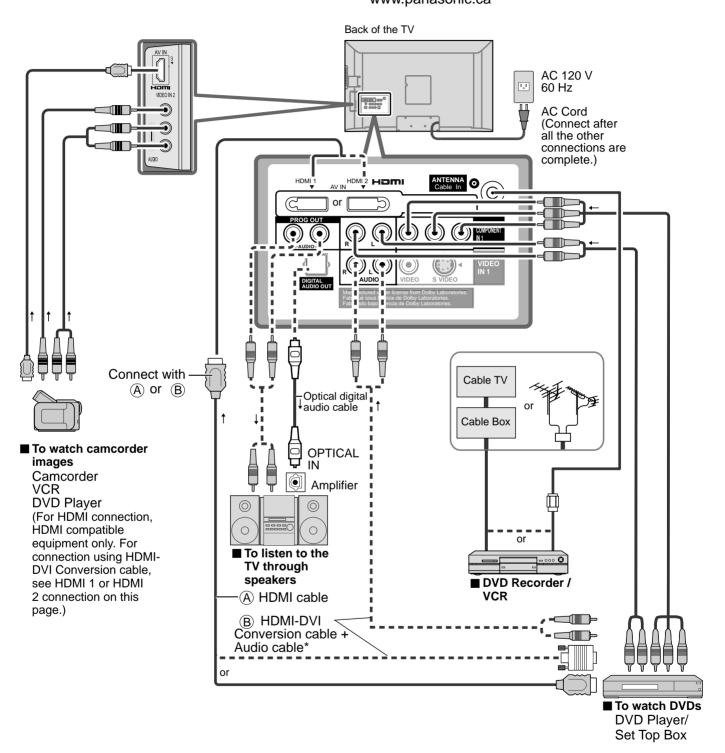
Select the day Day

SUN/MON/TUE/WED/THU/FRI/SAT (displays the nearest future date) MON-FRI/SAT-SUN/DAILY/EVR SUN/EVR MON/ EVR TUE/EVR WED/EVR THU/EVR FRI/ EVR SAT

On time The time to turn On Off time The time to turn Off Set Timer setting (On/Off)

Recommended AV Connections

These diagrams show our recommendations on how to connect the TV unit to your various equipment. For other connections, consult the instructions for each piece of equipment and its specifications. For additional assistance, please visit our website at: www.panasonic.com www.panasonic.ca



^{*} Please see p. 22-23 for setup when using an external analog audio cable with an HDMI to DVI cable.

VIERA Link™ Connections

Follow the connection diagrams below for HDAVI control of a single piece of AV equipment such as a DVD recorder (DIGA), RAM theater, or Player theater system.

Refer to page 26-29 for Setup Menu settings and additional control information.

Optional HDMI and/or optical cables are not included.

If connection (or setting) of equipment compatible with HDAVI control is changed, switch the power of this unit Off and On again while the power of all equipment is On (so that the unit can correctly recognize the connected equipment) and check that DVD recorder (DIGA), RAM theater, and Player theater playback operate.

Note

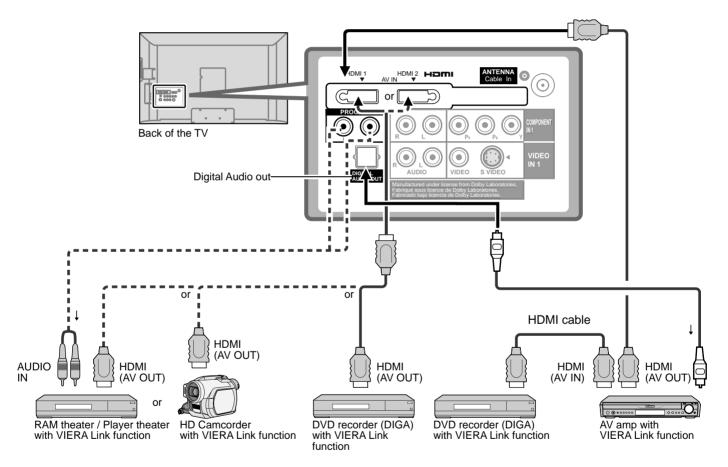
HDMI 1 is recommended.
 When connecting to HDMI 2 / HDMI 3, set the input mode to HDMI 2 / HDMI 3 (p. 20) initially before connecting to HDMI 2 / HDMI 3. After connection, confirm the HDMI control functions (p. 26-29).

■ Connecting this unit to the DVD recorder (DIGA), RAM theater, or Player theater

- For DVD recorder (DIGA) : Connect with HDMI cable
- For RAM theater and Player theater:
 Connect with the HDMI and audio cables.
 If audio cable is not connected, you cannot listen to the TV program through the theater system.

■ Connecting this unit to a DVD recorder (DIGA) and AV amp

When using an "VIERA Link" audiovideo amplifier and a compatible DVD recorder (DIGA) recorder, use a daisy chain connection as shown below.



- One AV amp and one DVD recorder (DIGA), can be operated with this unit.
- Be sure to connect the AV amp between this unit and the DVD recorder (DIGA).

■ Setting of this unit after connection

After making connections as shown above, set "VIERA Link" (under "VIERA Link setting") to "On" using the Setup menu. (p. 21, 24-25).

Note

- Individual HDMI equipment may require additional menu settings specific to each model. Please refer to their respective operating instruction manuals.
- When audio from other equipment connected to this unit via HDMI is output using "DIGITAL AUDIO OUT" of this
 unit, the system switches to 2CH audio.
 (When connecting to an AV amp via HDMI, you can enjoy higher sound quality.)
- About HDMI cable for connecting Panasonic HD camcorder, read the manual of the equipment.

Ratings List for Lock

"V-chip" technology enables you to lock channels or shows according to standard ratings set by the entertainment industry. (p. 31)

■ U.S. MOVIE RATINGS (MPAA)

NR	NO RATING (NOT RATED) AND NA (NOT APPLICABLE) PROGRAMS. Movie which has not been rated or where rating does not apply.
G	GENERAL AUDIENCES. All ages admitted.
PG	PARENTAL GUIDANCE SUGGESTED. Some material may not be suitable for children.
PG-13	PARENTS STRONGLY CAUTIONED. Some material may be inappropriate for children under 13.
R	RESTRICTED. Under 17 requires accompanying parent or adult guardian.
NC-17	NO ONE 17 AND UNDER ADMITTED.
X	ADULTS ONLY.

■ U.S. TV PROGRAMS RATINGS (U. S. TV)

Age-based Group	Age-based Ratings	Possible Content Selections	Description
NR (Not Rated)	TV-NR	ViewableBlocked	Not Rated.
	TV-Y	ViewableBlocked	All children. The themes and elements in this program are specifically designed for a very young audience, including children from ages 2-6.
Youth	TV-Y7	FV BlockedViewableBlocked	Directed to older children. Themes and elements in this program may include mild physical or comedic violence, or may frighten children under the age of 7.
	TV-G	ViewableBlocked	General audience. It contains little or no violence, no strong language, and little or no sexual dialogue or situations.
	TV-PG	D,L,S,V (all selected)Any combination of D, L, S, V	Parental guidance suggested. The program may contain infrequent coarse language, limited violence, some suggestive sexual dialogue and situations.
Guidance	TV-14	D,L,S,V (all selected)Any combination of D, L, S, V	Parents strongly cautioned. This program may contain sophisticated themes, sexual content, strong language and more intense violence.
	TV-MA	L,S,V (all selected)Any combination of L, S, V	Mature audiences only. This program may contain mature themes, profane language, graphic violence, and explicit sexual content.

FV: Fantasy/Cartoon Violence. V: Violence S: Sex L: Offensive Language D: Dialogue with sexual content.

■ CANADIAN ENGLISH RATINGS (C. E. L. R.)

	,
Е	Exempt - Exempt programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.
С	Programming intended for children under age 8. No offensive language, nudity or sexual content.
C8+	Programming generally considered acceptable for children 8 years and over. No profanity, nudity or sexual content.
G	General programming, suitable for all audiences.
PG	Parental Guidance suggested. Some material may not be suitable for children.
14+	Programming contains themes or content which may not be suitable for viewers under the age of 14. Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens.
18+	18+ years old. Programming restricted to adults. Contains constant violence or scenes of extreme violence.

■ CANADIAN FRENCH RATINGS (C. F. L. R.)

E	Exempt - Exempt programming.
G	General - Programming intended for audience of all ages. Contains no violence, or the violence content is minimal or is depicted appropriately.
8 ans+	8+ General - Not recommended for young children. Programming intended for a broad audience but contains light or occasional violence. Adult supervision recommended.
13 ans+	Programming may not be suitable for children under the age of 13 - Contains either a few violent scenes or one or more sufficiently violent scenes to affect them. Adult supervision strongly suggested.
16 ans+	Programming may not be suitable for children under the age of 16 - Contains frequent scenes of violence or intense violence.
18 ans+	Programming restricted to adults. Contains constant violence or scenes of extreme violence.

Caution

- The V-Chip system that is used in this set is capable of blocking "NR" programs (non rated, not applicable and none) as per FCC Rules Section15.120(e)(2). If the option of blocking "NR" programs is chosen "unexpected and possibly confusing results may occur, and you may not receive emergency bulletins or any of the following types of programming:"
 - Emergency Bulletins (Such as EAS messages, weather warnings and others)
 - Locally originated programming News Political Public Service Announcements Religious Sports Weather

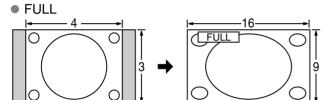
Technical Information

Closed Caption (CC)

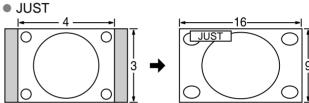
- For viewing the CC of digital broadcasting, set the aspect to FULL (If viewing with H-FILL, JUST, ZOOM, or 4:3; characters might be cut off).
- The CC can be displayed on the TV if the receiver (such as a set-top box or satellite receiver) has the CC set On using the Component or HDMI connection to the TV.
- If the CC is set to On on both the receiver and TV when the signal is 480i (except for the HDMI connection), the CC may overlap on the TV.
- If a digital program is being output in analog format, the CC data will also be output in analog format.
- If the recorder or output monitor is connected to the TV, the CC needs to be set up on the recorder or output monitor.

Aspect Ratio

Lets you choose the aspect depending on the format of the received signal and your preference. (p. 16) (e.g.: in case of 4:3 image)

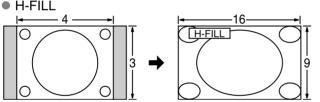


Enlarges the 4:3 image horizontally to the screen's side edges. (Recommended for anamorphic picture)

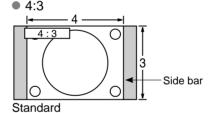


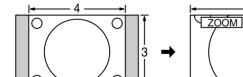
Stretches to justify the 4:3 image to the four corners of the screen.

(Recommended for normal TV broadcast)



Enlarges the 4:3 image horizontally to the screen's side edges. The side edges of the image are cut off.





Enlarges the 4:3 image to the entire screen. (Recommended for Letter Box)

Note

- 480i (4:3), 480i (16:9), 480p (4:3), 480p (16:9):
 FULL, JUST, 4:3 or ZOOM
- 1080i / 720p: FULL, H-FILL, JUST, 4:3 or ZOOM

Zoom adjust

ZOOM

Vertical image position and size can be adjusted in "ZOOM".

- ① Select "Zoom adjust" on the "Picture" menu. (p. 22-23)
- ② V-position: Vertical position adjustment

③ V-size: Vertical size adjustment











To reset the aspect ratio



) (OK)

Data format for SD Card browsing

Photo: Still images recorded with digital still cameras compatible with JPEG files of DCF* and EXIF**

standards

Data format: Baseline JPEG (Sub-sampling: 4:4:4, 4:2:2 or 4:2:0)

Max. number of files: 9.999

Image resolution: 160 x 120 to 10,000,000

* DCF (Design rule for camera file system): A Japan Electronics and Information Technology Industries Association's standard

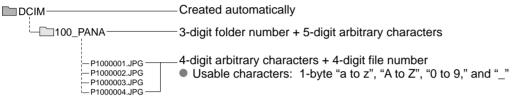
** EXIF (Exchangeable Image File Format)

Caution

- A JPEG image modified with a PC may not be displayed.
- Partly degraded files might be displayed at a reduced resolution.

Note

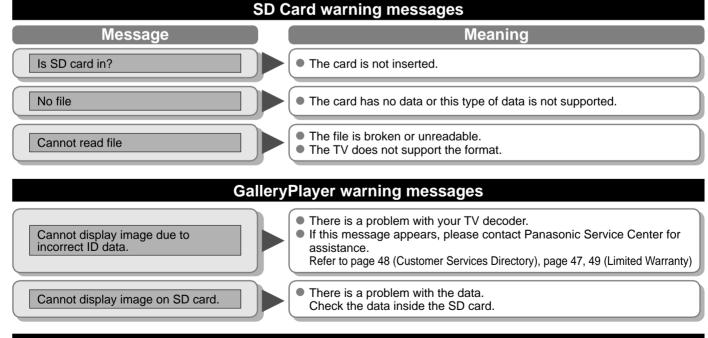
Folder structure viewed in PC



- The folder and file names may be different depending on the digital camera used.
- For the suitable SD Memory Cards, please confirm the latest information on the following website. http://panasonic.co.jp/pavc/global/cs (This site is in English only)

Cautions in handling SD Card:

- Do not remove the card while the unit is accessing data (this can damage card or unit).
- Do not touch the terminals on the back of the card.
- Do not subject the card to a high pressure or impact.
- Insert the card in the correct direction (otherwise, card may be damaged).
- Electrical interference, static electricity, or erroneous operation may damage the data or card.
- Back up the recorded data at regular intervals in case of deteriorated or damaged data or erratic operation of the unit. (Panasonic is not liable for any deterioration or damage of recorded data.)



Viewing from a GalleryPlayer SD Card

You can view high-definition art and photography purchased on or downloaded to an SD card. GalleryPlayer provides pre-loaded SD cards with copy-protected imagery and images for download to your computer that can be saved on an SD card for display on your television.

Technical Information (Continued)

VIERA Link™ "HDAVI Control™"

HDMI connections to some Panasonic equipment allow you to interface automatically. (p. 26)

- This function may not work normally depending on the equipment condition.
- The equipment can be operated by other remote controls with this function on even if TV is in Standby mode.
- Image or sound may not be available for the first few seconds when the playback starts.
- Image or sound may not be available for the first few seconds when Input mode is switched.
- Volume function will be displayed when adjusting the volume of the equipment.
- If you connect the same kind of equipment at once (for example: one DIGA to HDMI 1 / another DIGA to HDMI 2), VIERA Link™ is available for the terminal with the smaller number.
- If you connect equipment that has "HDAVI Control 2" (or more) function to the TV with HDMI cable, the sound from DIGITAL AUDIO OUT terminal can be output as multi channel surround.
- "HDAVI Control 3" is the newest standard (current as of December, 2007) for the HDAVI Control compatible equipment.
 This standard is compatible with the conventional HDAVI equipment.

HDMI connection

HDMI (high-definition multimedia interface) allows you to enjoy high-definition digital images and high-quality sound by connecting the TV unit and the devices.

HDMI-compatible equipment (*1) with an HDMI or DVI output terminal, such as a set-top box or a DVD player, can be connected to the HDMI connector using an HDMI compliant (fully wired) cable.

- HDMI is the world's first complete digital consumer AV interface complying with a non-compression standard.
- If the external equipment has only a DVI output, connect to the HDMI terminal via a DVI to HDMI adapter cable (*2).
- When the DVI to HDMI adapter cable is used, connect the audio cable to the audio input terminal.
- Audio settings can be made on the "HDMI 1 in", "HDMI 2 in" or "HDMI 3 in" menu screen. (p. 22)
 Applicable audio signal sampling frequencies (L.PCM): 48 kHz, 44.1 kHz, 32 kHz

(*1): The HDMI logo is displayed on an HDMI-compliant device. (*2): Enquire at your local digital equipment retailer shop.

Caution

- Use with a PC is not assumed.
- All signals are reformatted before being displayed on the screen.
- If the connected device has an aspect adjustment function, set the aspect ratio to "16:9".
- These HDMI connectors are "type A".
- These HDMI connectors are compatible with HDCP (High-Bandwidth Digital Content Protection) copyright protection.
- A device having no digital output terminal may be connected to the input terminal of either "COMPONENT", "S VIDEO", or "VIDEO" to receive analog signals.
- The HDMI input terminal can be used with only the following image signals: 480i, 480p, 720p, 1080i.
 Match the output setting of the digital device.
- For details of the applicable HDMI signals, see below.

Input signals that can be displayed

* Mark: Applicable input signal for Component (Y, PB, PR) and HDMI

	horizontal frequency (kHz)	vertical frequency (Hz)	COMPONENT	HDMI
525 (480) / 60i	15.73	59.94	*	*
525 (480) /60p	31.47	59.94	*	*
750 (720) /60p	45.00	59.94	*	*
1,125 (1,080) /60i	33.75	59.94	*	*

Note

- Signals other than those shown above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.

Picture mode

Vivid: Provides enhanced picture contrast and sharpness for viewing in a well-lit room.

Standard: Recommended for normal viewing conditions with subdued room lighting.
 Cinema: For watching movies in a darkened room. It provides a soft, film-like picture

Cinema: For watching movies in a darkened room. It provides a soft, film-like picture.
 Game: For playing video game. This mode will be set automatically if "GAME" is selected from Input label setting (p. 35)

Custom (Photo): Customizes each item according to your taste.

Photo is displayed in JPEG menu.

Note

- Picture mode will be automatically set to "Standard" if you change the Input label from "GAME" to other labels.
- Picture mode will be automatically set to "Game" if you change from an Input label other than "GAME" to "GAME" label.

DIGITAL AUDIO OUT terminals

You can enjoy your home theater by connecting a Dolby Digital (5.1 channel at ATSC only) decoder and "Multi Channel (ATSC only)" amplifier to the DIGITAL AUDIO OUT terminals.

Caution

- Depending on your DVD player and DVD-Audio software the copyright protection function may operate and disable optical output.
- External speakers cannot be connected directly to PROG OUT terminals.
- When an ATSC channel is selected, the output from the DIGITAL AUDIO OUT jack will be Dolby Digital. When an NTSC channel is selected, the output will be PCM.

Care and Cleaning

First, unplug the Power cord plug from the wall outlet.

Display panel

The front of the display panel has been specially treated. Wipe the panel surface gently using only a cleaning cloth or a soft, lint-free cloth.

- If the surface is particularly dirty, soak a soft, lint-free cloth in diluted mild liquid dish soap (1 part mild liquid dish soap diluted by 100 times the amount of water) and then wring the cloth to remove excess liquid. Use this cloth to wipe the surface of the display panel, then wipe it evenly with a dry cloth of the same type until the surface is dry.
- Do not scratch or hit the surface of the panel with fingernails or other hard objects. Furthermore, avoid contact with volatile substances such as insect sprays, solvents, and thinner; otherwise, the quality of the surface may be adversely affected.

Cabinet

If the cabinet becomes dirty, wipe it with a soft, dry cloth.

- If the cabinet is particularly dirty, soak the cloth in a weak mild liquid dish soap and then wring the cloth dry. Use this cloth to wipe the cabinet and then wipe it dry with a dry cloth.
- Do not allow any mild liquid dish soap to come into direct contact with the surface of the LCD TV.
 If water droplets get inside the unit, operating problems may result.
- Avoid contact with volatile substances such as insect sprays, solvents, and thinner; otherwise, the quality of the cabinet surface
 may be adversely affected or the coating may peel off. Furthermore, do not leave it for long periods in contact with articles made
 from rubber or PVC.

Pedestal

- Cleaning
 - Wipe the surfaces with a soft, dry cloth. If the unit is particularly dirty, clean it using a cloth soaked with water to which a small amount of mild liquid dish soap has been added and then wipe with a dry cloth. Do not use products such as solvents, thinner, or household wax for cleaning, as they can damage the surface
 - Do not use products such as solvents, thinner, or household wax for cleaning, as they can damage the surface coating. (If using a chemically-treated cloth, follow the instructions supplied with the cloth.)
- Do not attach sticky tape or labels, as they can make the surface of the pedestal dirty. Do not allow long-term contact with rubber, vinyl products, or the like. (Doing so will cause deterioration.)

Power cord plug

Wipe the plug with a dry cloth at regular intervals. (Moisture and dust can lead to fire or electrical shock.)

FAQ

Before requesting service or assistance, please follow these simple guides to resolve the problem. If the problem still persists, please contact your local Panasonic dealer or Panasonic Service Center for assistance. For details (p. 48, 49)

For additional assistance, please contact us via the website at:

www.panasonic.com/contactinfo

www.panasonic.ca

White spots or shadow images (noise)





 Check the position, direction, and connection of the antenna.

Interference or frozen digital channels (intermittent sound)

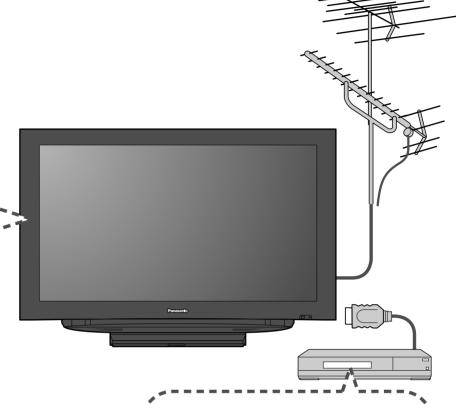


- Change the direction of antenna for digital channels.
- Check "Signal meter" (p. 33).
 If the signal is weak, check the antenna and consult your local dealer.

The LCD panel moves slightly when it is pushed with a finger. A clattered sound might be heard

This is not a malfunction.

 There is some looseness around the panel to prevent the damage to the panel.



Pictures from external equipment are distorted when the unit is connected via HDMI

- Is the HDMI cable connected properly? (p. 37, 38)
- Turn Off the TV unit and equipment, then turn them On again.
- Check an input signal from the equipment. (p. 42)
- Use equipment compliant with EIA/CEA-861/861B.

Recording does not start immediately

 Check the settings of the recorder. For details, read the manual of the recorder.

The remote control does not work

Are the batteries installed correctly? (p. 6)Has the battery run down?

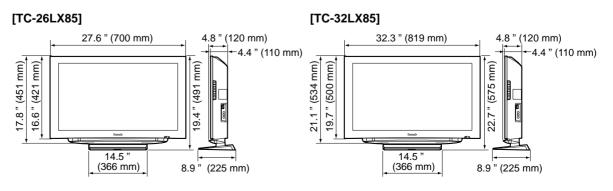


If there is a problem with your TV, please refer to the table below to determine the symptoms, then carry out the suggested check. If this does not solve the problem, please contact your local Panasonic dealer, quoting the model number and serial number (both found on the rear of the TV).

Problem Actions Check nearby electrical products Chaotic image, noisy (car, motorcycle, fluorescent lamp). Check Picture menu (p. 22) No image can be Check the cable connections. displayed Check that the correct input has been selected. Only spots are displayed Check the channel settings. (p. 32) instead of images Check the antenna cables. Is the power cord plugged into the outlet? Is the TV unit turned On? **Neither image nor** • Check Picture menu (p. 22) and volume. sound is produced Check the AV cable connections. Check that the correct input has been selected. • Are the speakers' cables connected correctly? Is "Sound Mute" active? (p. 12) Is the volume set to the minimum? Is "Speaker output" set to "Off"? (p. 22) No sound is produced Change "SAP" settings. (p. 16) • Check "HDMI 1 in", "HDMI 2 in" or "HDMI 3 in" settings. Sound (p. 22) Set "SAP" setting to "Stereo" or "Mono." Check the HDMI device connected to the unit. Set the audio setting of the HDMI device to Sound is unusual "Linear PCM." If digital sound connection has a problem, select analog sound connection. The main unit radiates heat and some of the parts may become hot. This is not a problem for performance or quality. The main unit is hot. Set up in a location with good ventilation. Do not cover the ventilation holes of the TV with a tablecloth, etc., and do not place on top of other equipment.

Specifications

		TC-26LX85	TC-32LX85
	er Source	AC 120 V, 60 Hz	
Power Consumption	Maximum Standby condition	124 W 0.6 W	142 W 0.6 W
	Aspect Ratio	16:9	
ispla	Visible screen size	26" class (26.0 inches measured diagonally)	32" class (31.5 inches measured diagonally)
Display panel	(W × H × Diagonal)	22.7 " × 12.8 " × 26.0 " (576 mm × 324 mm × 661 mm)	27.5 " × 15.4 " × 31.5 " (698 mm × 392 mm × 800 mm)
<u> </u>	(No. of pixels)	1,049,088 (1,366 (W) × 768(H)) [4,098 >	< 768 dots]
Sound	Speaker	1 way 2 speakers slim under SP System	
Ind	Audio Output	10 W [5 W + 5 W] (10 % THD)	20 W [10 W + 10 W] (10 % THD)
	nnel Capability- C/NTSC (Digital/Analog)	VHF/ UHF: 2 - 69, CATV: 1 - 135	
Oper	rating Conditions	Temperature: 32 °F - 95 °F (0 °C - 35°C) Humidity: 20 % - 80 % RH (non-cond	lensing)
	VIDEO IN 1	VIDEO: RCA PIN Type x 1 1.0 V[p S VIDEO: Mini DIN 4-pin Y: 1.0 AUDIO L - R: RCA PIN Type x 2 0.5 V [r	$\dot{V}[p-p]$ (75 Ω) C: 0.286 V [p-p] (75 Ω)
Conr	VIDEO IN 2	VIDEO: RCA PIN Type x 1 1.0 V [r AUDIO L - R: RCA PIN Type x 2 0.5 V [r	p-p] (75 Ω) rms]
Connection Terminals	COMPONENT IN 1	Y: 1.0 V [p-p] (including synch Pв, Pr: ±0.35 V [p-p] AUDIO L-R: RCA PIN Type × 2 0.5 V [r	,
ermin	HDMI 1-3	TYPE A Connector × 3 This TV supports "HDAVI Control 3" function	n.
a s	Card slot	SD CARD slot × 1	
	PROG OUT	AUDIO L - R: RCA PIN Type × 2 0.5 V [r	rms]
	DIGITAL AUDIO OUT	PCM / Dolby Digital, Fiber Optic	
FEAT	FURES	CLOSED CAPTION, V-Chip HDMI (HDAVI Control 3) Vesa compatible, Photo viewer	
Dimensions (W×H×D)	Including TV stand	27.6 " × 19.4 " × 8.9 " (700 mm × 491 mm × 225 mm)	32.3 " × 22.7 " × 8.9 " (819 mm × 575 mm × 225 mm)
isions 1 × D)	TV Set only	27.6 " × 17.8 " × 4.8 " (700 mm × 451 mm × 120 mm)	32.3 " × 21.1 " × 4.8 " (819 mm × 534 mm × 120 mm)
Mass	3	28.7 lb. (13 kg) NET	35.3 lb. (16 kg) NET



• Design and Specifications are subject to change without notice. Mass and Dimensions shown are approximate.

Note

Limited Warranty (for U.S.A.)

PANASONIC CONSUMER ELECTRONICS COMPANY, DIVISION OF:
PANASONIC CORPORATION OF NORTH AMERICA One Panasonic Way
Secaucus, New Jersey 07094

PANASONIC SALES COMPANY, DIVISION OF: PANASONIC PUERTO RICO, INC. Ave. 65 de Infanteria, Km. 9.5 San Gabriel Industrial Park Carolina, Puerto Rico 00985

Panasonic LCD Televisions Limited Warranty

Limited Warranty Coverage

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Puerto Rico, Inc.(collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

LCD TV CATEGORIES	PARTS	LABOR	SERVICE
Up to 20' (diagonal)	1 (ONE) VEAD	1 (ONE) VEAD	Carry-In or Mail-in
21" (diagonal) and larger	1 (ONE) YEAR	1 (ONE) YEAR	In Home or Carry-in / Mail in

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must carry-in or mail-in your product during the warranty period. If non-rechargeable batteries are included, they are not warranted. This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is". A purchase receipt or other proof of the original purchase date is required for warranty service.

In-Home or Carry-in Service

For In-Home or Carry-In Service in the United States call 1-800-211-PANA(7262) or visit the Panasonic web Site: http://www.panasonic.com.

For assistance in Puerto Rico call Panasonic Puerto Rico, Inc. (787)-750-4300 or fax (787)-768-2910.

In-Home service requires clear, complete and easy access to the product by the authorized servicer and does not include removal or re-installation of an installed product. It is possible that certain in-home repairs will not be completed in-home, but will require that the product, or parts of the product, be removed for shop diagnosis and/or repair and then returned.

Limited Warranty Limits And Exclusions

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage, nor does it cover markings or retained images on the LCD panel resulting from viewing fixed images (including, among other things, letterbox pictures on standard 4:3 screen TV's, or non-expanded standard 4:3 pictures on wide screen TV's, or onscreen data in a stationary and fixed location). The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, bug infestation, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or commercial use (such as in a hotel, office, restaurant, or other business), rental use of the product, service by anyone other than a Factory Service Center or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, or travel to and from the servicer. The items listed are not exclusive, but are for illustration only.) ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have others rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Service Center. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE (INCLUDING COST OF AN IN-HOME SERVICE CALL, WHERE APPLICABLE) WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY ARE YOUR RESPONSIBILITY.

Customer Services Directory (for U.S.A.)

Customer Services Directory

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Service Center; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

http://www.panasonic.com/consumersupport

or, contact us via the web at:

http://www.panasonic.com/contactinfo

You may also contact us directly at:

1-888-211-PANA (7262)

Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST.

■For hearing or speech impaired TTY users, TTY: 1-877-833-8855

Accessory Purchases

Purchase Parts, Accessories and Instruction Books on line for all Panasonic Products by visiting our Web Site at:

http://www.pstc.panasonic.com

or, send your request by E-mail to:

npcparts@us.panasonic.com

You may also contact us directly at:

1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only) (Monday - Friday 9 am to 8 pm, EST.)

Panasonic Service and Technology Company

20421 84th Avenue South,

Kent, WA 98032

(We Accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

■For hearing or speech impaired TTY users, TTY: 1-866-605-1277

Service in Puerto Rico

Panasonic Puerto Rico, Inc. Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985 Phone (787)750-4300, Fax (787)768-2910

Limited Warranty (for Canada)

Panasonic Canada Inc.

PANASONIC PRODUCT - LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect for a period as stated below from the date of original purchase.

Plasma TV / Monitor	In-home service	One (1) year, parts (including Plasma Panel) and labour.
LCD TV (26 in & over)	In-home service	One (1) year, parts (including LCD Panel) and labour.

In-home Service will be carried out only to locations accessible by roads and within 50 km of an authorized Panasonic service facility.

LIMITATIONS AND EXCLUSIONS

This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty.

This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of date of original purchase is required before warranty service is performed.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

In-home service requires clear, complete and easy access to the product by the Authorized Servicentre and does not include removal or re-installation of an installed product. If removal is required to service the product, it will be at the discretion of the Servicentre and in no event will Panasonic Canada Inc. or the Servicentre be liable for any special, indirect or consequential damages.

WARRANTY SERVICE

For product operation and information assistance, please contact:

Our Customer Care Centre: 1-800 #: 1-866-330-0014

Email link: <u>www.vieraconcierge.ca</u>

FOR PRODUCT REPAIRS, please contact Viera Customer Care Agent using the above contact info.

IF YOU SHIP THE PRODUCT TO A SERVICENTRE

Carefully pack and send prepaid, adequately insured and preferably in the original carton. Include details of the defect claimed, and proof of date of original purchase.

This product has a fluorescent lamp that contains mercury.

Disposal may be regulated in your community due to environmental considerations. For disposal or recycling information, please contact your local authorities, or the Electronic Industries Alliance:

http://www.eiae.org.

Este producto tiene una lámpara fluorescente que contiene mercurio. Debido a consideraciones ambientales, puede que deshacerse de este material esté regulado en su comunidad. Para obtener información sobre cómo deshacerse o reciclar este material, póngase en contacto con las autoridades de su localidad o con Electronics Industries Alliance: http://www.eiae.org.

Customer's Record

The model number and serial number of this product can be found on its back cover. You should note this serial number in the space provided below and retain this book, plus your purchase receipt, as a permanent record of your purchase to aid in identification in the event of theft or loss, and for Warranty Service purposes.

Model Number	Serial Number
<u>Initiation</u>	<u>Contain trainisci</u>

Anotación del cliente

El modelo y el número de serie de este producto se encuentran en su panel posterior. Deberá anotarlos en el espacio provisto a continuación y guardar este manual, más el recibo de su compra, como prueba permanente de su adquisición, para que le sirva de ayuda al identificarlo en el caso de que le sea sustraído o lo pierda, y también para disponer de los servicios que le ofrece la garantía.

Modelo Número de serie

Panasonic Consumer Electronics Company, Division of Panasonic Corporation of North America One Panasonic Way, Secaucus New Jersey 07094 U.S.A. Panasonic Puerto Rico, Inc. Ave. 65 de Infanteria, Km. 9.5 San Gabriel Industrial Park Carolina, Puerto Rico 00985 Panasonic Canada Inc. 5770 Ambler Drive Mississauga, Ontario L4W 2T3 CANADA

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