

## Owner's Manual

32" Class 720p LCD HDTV  
(31.5 inches measured diagonally)

## Manual de usuario

Televisión de alta definición de 720p y  
clase 32" de LCD  
(31,5 pulgadas medidas diagonalmente)

For more detailed instructions, refer to the Operating Instructions on the CD-ROM.

To view the Operating Instructions on the CD-ROM, you need a computer equipped with a CD-ROM drive, and Adobe® Reader® (Version 7.0 or later is recommended) installed on your computer.

Depending on the operating system or settings on your computer, the Operating Instructions may not start automatically. In this case, open the PDF file under the "MANUAL" folder manually to view the instructions.

Para obtener instrucciones más detalladas, consulte las instrucciones de manejo contenidas en el CD-ROM.

Para ver las instrucciones de manejo contenidas en el CD-ROM, se necesita un ordenador equipado con una unidad de CD-ROM, y que tenga instalado Adobe® Reader® (se recomienda la versión 7.0 o posterior).

Dependiendo del sistema operativo o de las configuraciones del ordenador, las instrucciones de manejo pueden no iniciarse automáticamente. En tal caso, abra manualmente el archivo PDF en la carpeta "MANUAL" para visualizar las instrucciones.

# VIERA

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For assistance (U.S.A./Puerto Rico), please call: **1-877-95-VIERA (958-4372)** [www.panasonic.com/help](http://www.panasonic.com/help)

For assistance (Canada), please call: **1-866-330-0014** [www.vieraconcierge.ca](http://www.vieraconcierge.ca)

Para solicitar ayuda (EE.UU./Puerto Rico), llame al: **1-877-95-VIERA (958-4372)** [www.panasonic.com/help](http://www.panasonic.com/help)

### English

Thank you for purchasing this Panasonic product.  
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

Gracias por su decisión de comprar este producto marca Panasonic.  
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.



# Safety Precautions

	<b>CAUTION</b> <b>RISK OF ELECTRIC SHOCK</b> <b>DO NOT OPEN</b>	
<b>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.</b>		



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

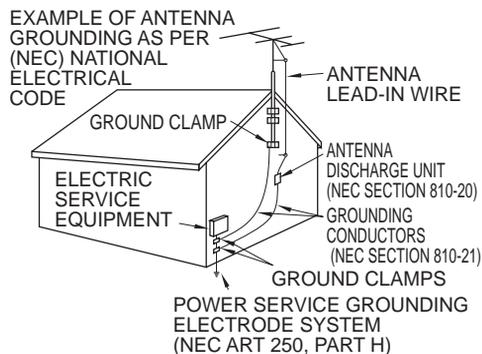
This reminder is provided to direct the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as 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 around the TV. 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:
  - a. When the power cord or plug is damaged or frayed.
  - b. If liquid has been spilled into the LCD TV.
  - c. If the LCD TV has been exposed to rain or water.
  - 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.
  - e. If the LCD TV has been dropped or the cabinet has been damaged.
  - f. 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.).**
- 23) **WARNING: SMALL PARTS CAN PRESENT CHOKING HAZARD IF ACCIDENTALLY SWALLOWED. KEEP SMALL 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) **WARNING: To prevent the spread of fire, keep candles or other open flames away from this product at all times.**
- 25) **CAUTION:** The Power switch on this unit will not completely shut off all power from AC outlet. Since the power cord serves as the main disconnect device for the unit, you will need to unplug it from the AC outlet to shut down all power.  
Therefore, make sure the unit has been installed so that the power cord can be easily unplugged from AC outlet in case of an accident. To avoid fire hazard, the power cord should also be unplugged from the AC outlet when left unused for a long period of time (for example, when on vacation).
- 26) **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.
- 27) **CAUTION:** USE WITH OTHER STAND MAY RESULT IN INSTABILITY POSSIBLY CAUSING INJURY.
- 28) **CAUTION:** DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE.
- 29) **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 Panasonic Corporation)
  - Wall-hanging bracket: TY-WK3L2RW
 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 Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### FCC Caution:

**To assure continued compliance, follow the attached installation instructions and use only shielded interface cables when connecting to computer or peripheral devices. Any changes or modifications not expressly approved by Panasonic Corp. of North America could void the user's authority to operate this device.**

### FCC Declaration of Conformity

Model No. TC-32LX34

Responsible Party: Panasonic Corporation of North America  
One Panasonic Way, Secaucus, NJ 07094  
Contact Source: Panasonic Consumer Electronics Company  
1-877-95-VIERA (958-4372)  
email: consumerproducts@panasonic.com

## CEA CHILD SAFETY NOTICES



Flat panel displays are not always supported on the proper stands or installed according to the manufacturer's recommendations. Flat panel displays that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests or carts may fall over and may cause personal injury or even death.

The consumer electronics industry (of which Panasonic is a member) is committed to making home entertainment enjoyable and safe. To prevent personal injury or death, be sure to follow the following safety guidelines:

### TUNE INTO SAFETY:

- One size does NOT fit all. Follow the manufacturer's recommendations for the safe installation and use of your flat panel display.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't allow children to climb on or play with furniture and television sets.
- Don't place flat panel displays on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on "larger than life" flat panel displays. Care should be taken to install the display where it cannot be pushed, pulled over, or knocked down.
- Care should be taken to route all cords and cables connected to the flat panel display so that they cannot be pulled or grabbed by curious children.

### WALL MOUNTING: IF YOU DECIDE TO WALL MOUNT YOUR FLAT PANEL DISPLAY, ALWAYS:

- Use a mount that has been recommended by the display manufacturer and/or listed by an independent laboratory (such as UL, CSA, ETL).
- Follow all instructions supplied by the display and wall mount manufacturers.
- If you have any doubts about your ability to safely install your flat panel display, contact your retailer about professional installation.
- Make sure the wall where you are mounting the display is appropriate. Some wall mounts are not designed to be mounted to walls with steel studs or old cinder block construction. If you are unsure, contact a professional installer.
- A minimum of two people are required for installation. Flat panel displays can be heavy.

**Panasonic recommends that a qualified installer perform the wall-mount installation. See page 3.**

**The American Academy of Pediatrics discourages television viewing for children younger than two years of age.**



# Accessories/Optional Accessory

## Accessories

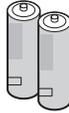
Check you have all the items shown.

### Accessories

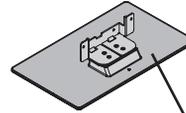
- Remote Control Transmitter
  - N2QAYB000570



- Batteries for the Remote Control Transmitter (2)
  - AA Battery



- Pedestal
  - TBL5ZX0084



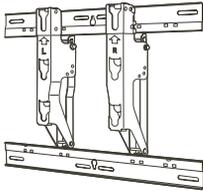
How to assemble (p. 6)

- Owner's Manual (Book)
- Child safety
- Owner's Manual (CD-ROM)
- Product Registration Card (U.S.A.)
- Quick Start Guide

### Optional Accessory

#### Wall-hanging bracket

- TY-WK3L2RW



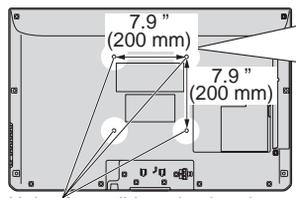
The angle of wall-hanging bracket can be adjusted in "zero tilting (vertical)", "5-degree tilting", "10-degree tilting", "15-degree tilting" and "20-degree tilting" for this TV.

#### WARNING

- Customer assumes liability if mounting the unit themselves or if a Panasonic bracket is not used. Any damage resulting from not having a professional installer mount your unit will void your warranty.
- Always be sure to ask a qualified technician to perform any necessary set-up. Incorrect fitting may cause equipment to fall, resulting in injury and product damage.
- Do not mount the unit 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.
- Take care when fixing wall brackets to the wall. Always ensure that there are no electrical cables or pipes in the wall before hanging bracket.
- When using an angled-type wall hanging bracket, please ensure that there is sufficient space for the connecting cables so that they do not to press against the wall when the TV is tilted forward.
- For safety reasons, remove units no longer being used from their wall-mounted locations.

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.

#### Back of the TV



Holes for wall-hanging bracket installation

Screw for fixing the TV onto the wall-hanging bracket (not supplied with the TV)

Depth of screw:  
Minimum: 0.39" (10.0 mm)  
Maximum: 0.47" (12.0 mm)

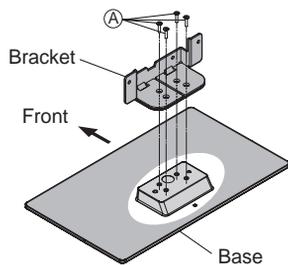
M4

(View from the side)

## Attaching the pedestal to TV

### Assembling the pedestal

- Fix securely with assembly screws (A). (Total 4 screws)
- Tighten screws firmly.



### Accessories

Assembly screws (4 of each)

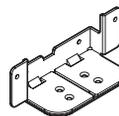


XSS4+16FJK  
size (M4 x 16)

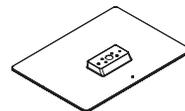


XYN4+F12FJK  
size (M4 x 12)

Bracket (1)

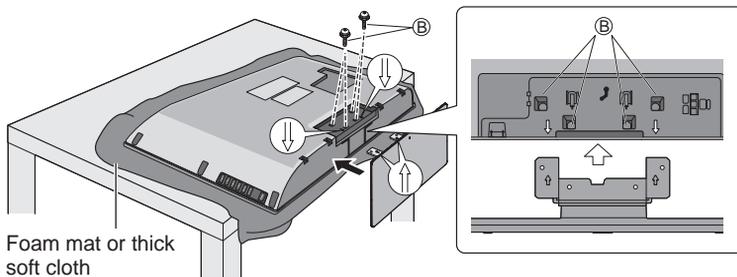


Base (1)



### Set-up

- Fix securely with assembly screws (B). (Total 4 screws)
- Tighten screws firmly.



Foam mat or thick  
soft cloth

#### WARNING

**Do not disassemble or modify the pedestal.**

- Otherwise the TV may fall over and become damaged, and personal injury may result.

#### Caution

**Do not use any pedestal other than that provided with this TV.**

- Otherwise the TV may fall over and become damaged, and personal injury may result.

**Do not use the pedestal if it becomes warped or physically damaged.**

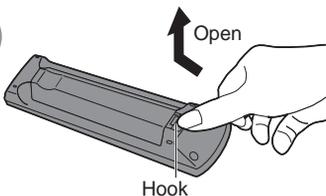
- If you use the pedestal when it is physically damaged, personal injury may result. Contact your nearest Panasonic Dealer immediately.

**During set-up, make sure that all screws are securely tightened.**

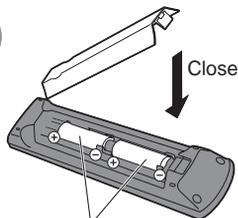
- If sufficient care is not taken to ensure screws are properly tightened during assembly, the pedestal will not be strong enough to support the TV, and it might fall over and become damaged, and personal injury may result.

## Installing the remote's batteries

1



2

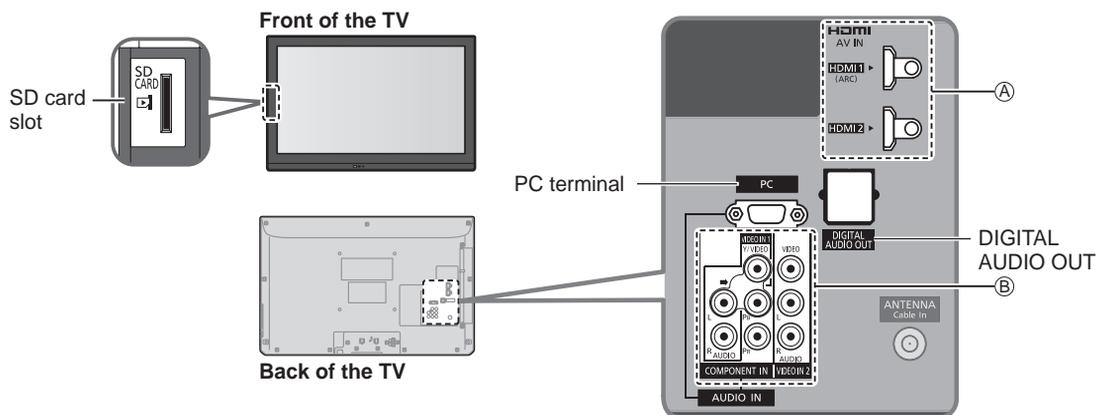


#### Caution

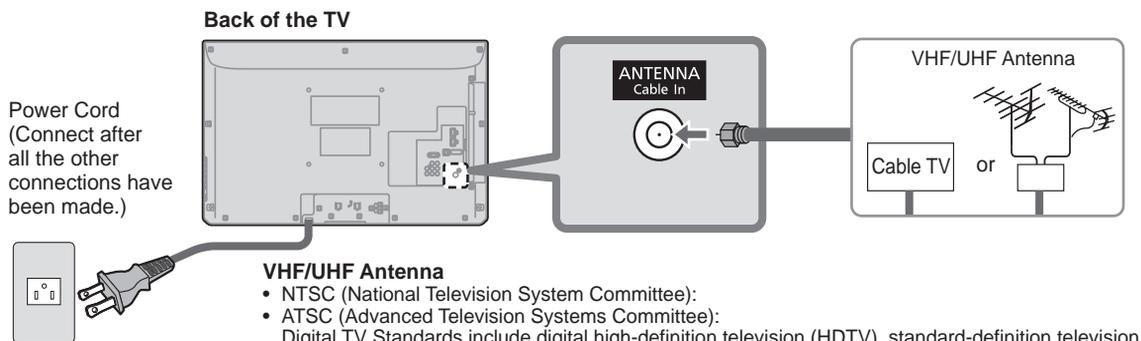
- Incorrect installation may cause battery leakage and corrosion, resulting in damage to the remote control.
- Do not mix old and new batteries.
- Do not mix different battery types (such as alkaline and manganese batteries).
- Do not use rechargeable (Ni-Cd) batteries.
- Do not burn or break batteries.

# Connections

## Connection Panels



## Antenna or Cable connection



### Cable

- You need to subscribe to a cable TV service to enjoy viewing their programming.
- You may need to subscribe to a high-definition (HD) cable service to enjoy HD programming. The connection for high-definition can be done with the use of an HDMI or Component Video cable. (p. 8)

### Note

- When using a Cable box, external equipment and video cables shown in this manual are not supplied with the TV.
- For additional assistance, visit us at: [www.panasonic.com/help](http://www.panasonic.com/help)  
[www.panasonic.ca](http://www.panasonic.ca)

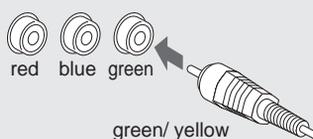
## Connection references

### ■ Antenna terminal



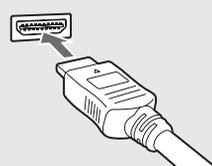
- Firmly tighten by hand.

### ■ Pin terminals



- Insert firmly.

### ■ HDMI terminal



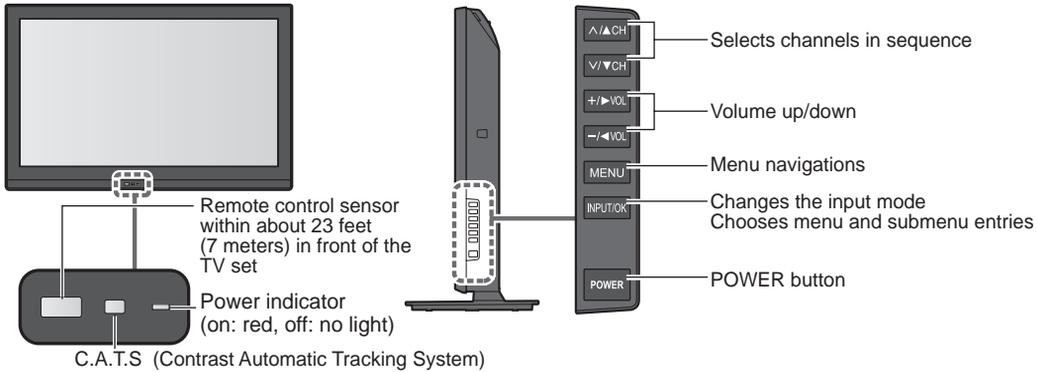
- Insert firmly.



# Identifying Controls

## TV controls/indicators

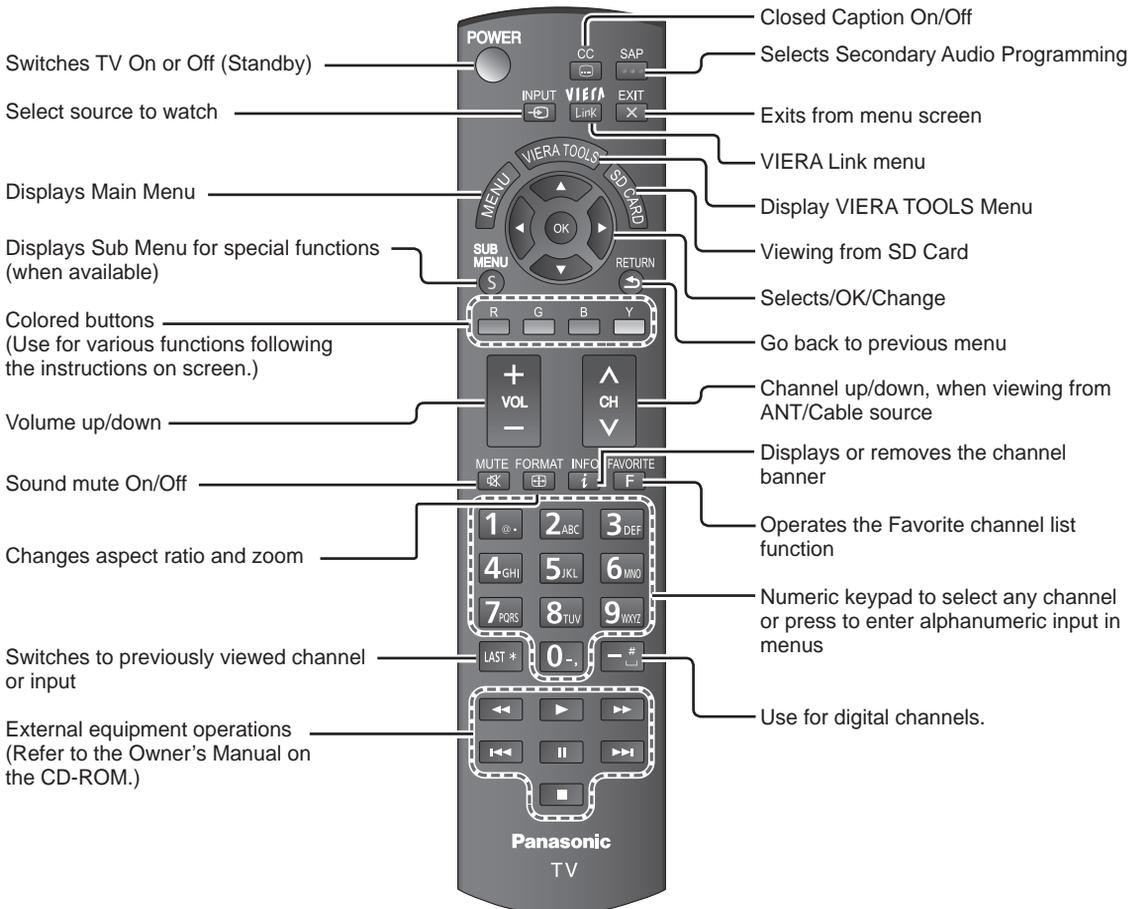
### Front of the TV



### Note

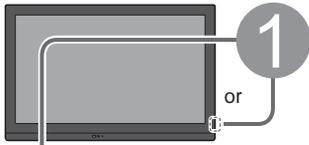
- The TV consumes a small amount of electric energy even when turned off.
- Do not place any objects between the TV remote control sensor and remote control.

## Remote control

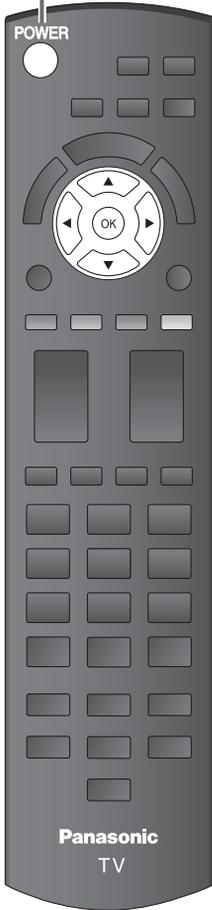
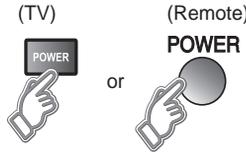


# First Time Setup

First time setup screen 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. 17) is set to “No”.

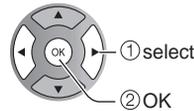


## Turn the TV On with the POWER button

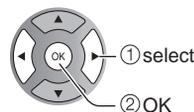


## 2 Configure your viewing mode

### ① Select your language

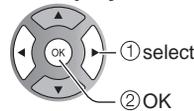


### ② Select your viewing mode (Be sure to select “Home use”)



- Please confirm your selection (Home Use) before pressing OK button.

### ■ If you select “Store Demonstration” by mistake in ②, confirmation screen will be displayed.



- Select “No” and return to previous screen ②.
- If you select “Yes”, Screen enters the store demonstration mode.

To display the “Set viewing mode” screen again as shown above and select “Home Use”, do one of the following:

- Press and hold down the side POWER button for at least five seconds.
- Unplug power cord for 30 seconds and plug it again.

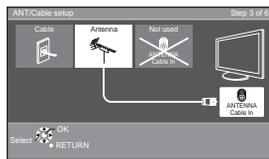
### Note

- If you use any other step other than ② then turn the TV off, or if you used the EXIT button to quit before completing the settings, the next time you turn the TV on, “First time setup” will not be automatically displayed.
  - The settings up to that point are saved.
  - You can start “First time setup” at any time. (p. 17)
- Language, ANT/Cable setup, Input labels, Clock can also be changed from the Settings Menu. (p. 17)



### 3 Auto channel setup (ANT/Cable setup)

#### ① Select the connected Antenna in terminal



Not used: Go to ④  
(Label inputs)

Select **"Not used"** when no wire is connected to the "Antenna/Cable" terminal.

- Typical when a Cable/Satellite box is connected to a TV AV input.
- Prevents accidental tuning to an unavailable signal, when Cable or Satellite box is used.

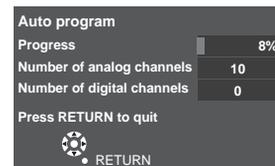
#### ② Select "Start"



Skip: Go to ④  
(Label inputs)

#### Start scanning the channels

(Available channels are automatically set.)

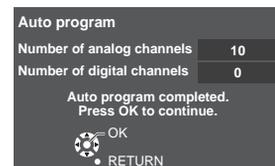


This process may take up to 20 minutes.

- This step is not needed when a Cable or Satellite box is connected to an AV input.

#### ③ Complete the Auto program setup

Completion message is displayed when the Auto program scan is successfully completed.



If there is no available channel, return to ③ - ①  
(ANT/ Cable setup).  
"Not used" will be selected.

#### ■ Press to go back to the previous screen

RETURN



#### Note

- About broadcasting systems

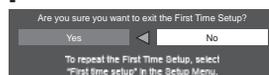
**Analog (NTSC):**  
Conventional broadcasting

**Digital (ATSC):**  
New programming that allows you to view more channels featuring high-quality video and sound

#### ■ Operation of the EXIT button during "First time setup"

Press the button once to display confirmation screen. Press again to close confirmation screen.

#### [EXIT confirmation screen]



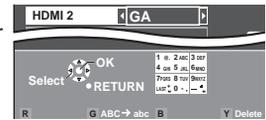
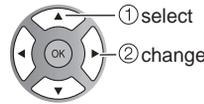
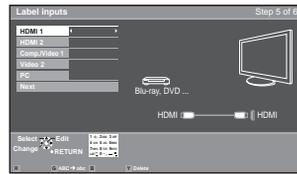
Yes ➔ Exit "First time setup"  
No ➔ Return to the original screen.



4

## Give names to the TV's inputs (Label inputs)

When done, select NEXT and press OK to go to the next step.



Follow the instructions on screen to complete the following operations.

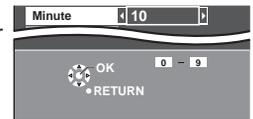
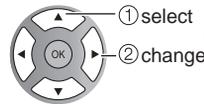
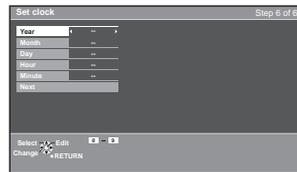
Label: [BLANK] Not used/Blu-ray/DVD/DVD REC/HOME THTR/GAME/COMPUTER/VCR/CABLE/SATELLITE/DVR/CAMERA/MONITOR/AUX/RECEIVER/MEDIA CTR/MEDIA EXT/OTHER

- Select "Not used" for any back-panel input that has no device connected to it. Afterward, the input will be skipped when pressing INPUT, for your convenience.
- The input labels can be changed at any time from the TV's setup menu.

5

## Adjust the Clock (Set clock)

When done, select NEXT and press OK to go to the next step.



Follow the instructions on screen to complete the following operations.

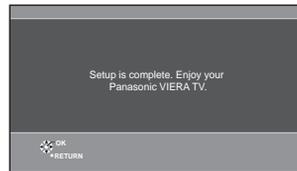
6

## Complete the First time setup

Congratulations! You are done.

The First time setup can be repeated at any time.

Press MENU and select SETUP; then "First time setup".



■ Press to go back to the previous screen

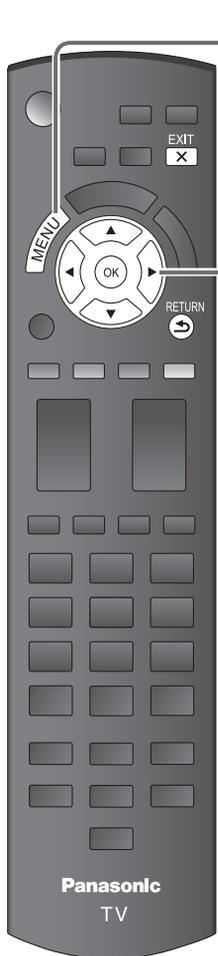
RETURN



To watch TV via a Cable box, Satellite receiver, or any other source (DVD, DVR, gaming device, etc.), press the INPUT button and select the appropriate input.

# 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.

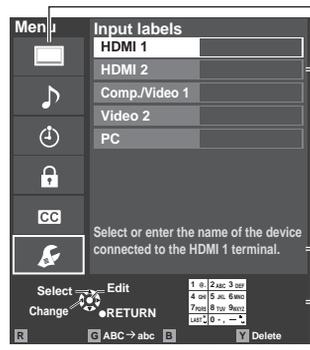


## 1 Display the menu



- Shows the functions that can be adjusted.
- Some functions will be disabled depending on the type of input signal.

### Menu structure



- Menu bar  
Press OK to move to the Menu items.
- Menu items  
Press OK to proceed to next screen if available.
- Help information
- Operation guide

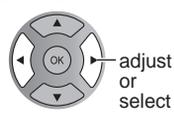
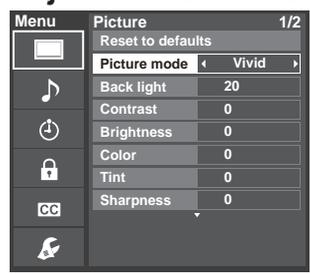
(example: Input labels)

## 2 Select the menu



- Picture settings
- Audio settings
- Timer (Sleep, On/Off timer)
- Lock (Channel, Game, Program etc.)
- Closed Caption setting
- Setup (other settings)

## 3 Adjust or select a menu item

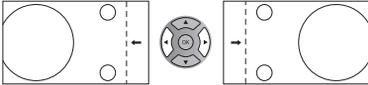
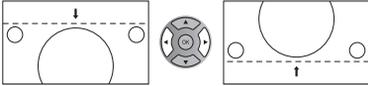


(example: Picture menu)

■ Press to exit from a menu screen  
EXIT  
X

■ Press to go back to the previous screen  
RETURN  
↶

- “Reset to default” will be grayed out if no changes are made in the following menus: “Picture”, “PC adjustments”, “Audio” and “Closed caption”.

Picture settings		Adjust the image or picture quality	
Settings	Items	Item Description	
<b>Reset to defaults</b>		Resets all picture adjustments to factory default settings except for “Advanced picture”.	
<b>Picture mode</b>	<b>Vivid</b>	Provides enhanced picture contrast and sharpness for viewing in a well-lit room.	
	<b>Standard</b>	Recommended for normal viewing conditions with subdued room lighting.	
	<b>Cinema</b>	For watching movies in a darkened room. It provides a soft, film-like picture.	
	<b>Custom (Photo)</b>	Customizes each item according to your taste. Photo is displayed in JPEG menu.	
<b>Back light</b>		Adjusts the luminance of the back light.	
<b>Contrast, Brightness, Color, Tint, Sharpness</b>		Adjusts the color, brightness, etc. for each picture mode to suit your taste	
		• Display range	Contrast/Brightness/Color/Sharpness : 0 - 100 Tint : -50 - +50
<b>Color temp.</b>	<b>Cool/Normal/Warm</b>	Selects a choice of Cool (blue), Normal, or Warm (red) color.	
<b>A.I. picture</b>	<b>Off/On</b>	Controls dark areas without affecting the black level or brightness in the overall picture.	
<b>C.A.T.S.</b>	<b>Off/On</b>	Automatically adjusts the screen brightness according to the ambient lighting condition.	
<b>Video NR</b>	<b>Off/On</b>	Reduces noise, commonly called snow. Leave it off when receiving a strong signal.	
<ul style="list-style-type: none"> <li>• Some menus are grayed out depending on the input signal or condition. (e.g. “Zoom adjustments” will be grayed out if the aspect is not set to Zoom.)</li> </ul>			
<b>Aspect adjustments</b>	<b>Screen format</b>	<b>JUST/4:3/ZOOM/FULL/H-FILL</b>	Changes the format (aspect ratio). Lets you choose the aspect depending on the format of received signal.
	<b>H size</b>	<b>Size 1/Size 2</b>	Adjusts the horizontal display range to reduce noise of both side edges of an image. Size 2: Adjusts the image size according to the aspect mode to reduce noise.
	<b>Zoom adjustments</b>		Adjusts vertical alignment and size when aspect setting is “ZOOM”.
<b>PC adjustments</b>	<b>Reset to defaults</b>	Resets PC adjustments.	
	<b>Sync</b>	<b>H &amp; V</b>	The H and V sync signals are input from the HD/VD connector.
		<b>On green</b>	Uses a synchronized signal on the Video G signal, which is input from the G connector.
	<b>Dot clock</b>	Alleviates the problem if a picture appears to be vertically-striped, flickers partially or is blurred.	
	<b>H-position</b>	Adjusts the horizontal position.	
	<b>V-position</b>	Adjusts the vertical position.	
	<b>Clock phase</b>	Alleviates the problem if the whole picture appears to flicker or is blurred. First adjust the Dot Clock to get the best possible picture, then adjust the clock Phase so that a clear picture appears. ● It may not be possible to display a clear picture due to poor input signals.	
	<b>Input resolution</b>	Switches to wide display. ● VGA (640×480 pixels), WVGA (852×480 pixels), XGA (1,024×768 pixels), WXGA (1,280×768 pixels) ● Options change depending on signals	
	<b>H-frequency</b>	Displays the H (Horizontal)/V (Vertical) frequencies.	
	<b>V-frequency</b>	Display range Horizontal: 15 - 110 kHz Vertical: 48 - 120 Hz	

Settings	Items	Item Description	
		<ul style="list-style-type: none"> <li>Some menus are grayed out depending on the input signal or condition. (e.g. "3:2 pulldown" will be grayed out if the input signal is high definition or you are viewing photos, etc.)</li> </ul>	
<b>Advanced picture</b>	<b>3D Y/C filter</b>	<b>Off/On</b>	Minimizes noise and cross-color in the picture.
	<b>Color matrix</b>	<b>SD/HD</b>	Selects image resolution of component-connected devices. SD: Standard Definition HD: High Definition Only used with 480p video signal.
	<b>MPEG NR</b>	<b>Off/On</b>	Reduces noise of specific digital signals of DVD, Cable box, etc.
	<b>Black level</b>	<b>Dark/Light</b>	Selects Dark or Light. Valid only for external input signals.
	<b>3:2 pulldown</b>	<b>Off/On/Auto</b>	Adjusts the picture recorded in 24 fps for optimum quality.

### **Audio settings** Adjust Audio quality

Settings	Items	Item Description	
<b>Reset to defaults</b>		Resets Bass, Treble, and Balance adjustments to factory default settings.	
<b>Bass</b>		Increases or decreases the bass response.	
<b>Treble</b>		Increases or decreases the treble response.	
<b>Balance</b>		Emphasizes the left / right speaker volume.	
<b>Advanced audio</b>	<b>Surround</b>	<b>Off/On</b>	Enhances audio L/R response when listening to stereo.
	<b>Volume leveler</b>		Minimizes volume disparity after switching to external inputs.
	<b>TV speakers</b>	<b>Off/On</b>	Switches to "Off" when using external speakers. Off: "Surround" and "Volume leveler" do not work if "Off" is selected.
	<b>HDMI 1-2 in</b>	<b>Digital/ Comp./Video 1/ Video 2</b>	The default setting is "Digital" for the HDMI connection. (Digital input signal) Select audio input terminal when DVI cable is connected. (Analog audio input signal)

### **Timer settings** The TV can automatically turn On/Off at the designated date and time.

If the Timer settings are grayed out, first set the clock (see p. 17) and make sure "Auto power on" is set to "No" (see p. 17)

Settings	Items	Item Description
<b>Sleep (Off timer)</b>	<b>Sleep (minutes)</b>	<b>0/15/30/60/90</b> Select how long for the TV to automatically turn off.
<b>Timer 1-5 (On/Off timer)</b>	<b>Timer set</b>	Enables or disables this timer. (Off/On)
	<b>Inputs</b>	Sets the input to select when the TV turns on.
	<b>Channel</b>	Sets the channel to select when the TV turns on.
	<b>Day</b>	Sets the day when the TV turns on. [SUN/MON/TUE/WED/THU/FRI/SAT(displays the nearest future date) MON-FRI/SAT-SUN/DAILY/Every SUN/Every MON/Every TUE/Every WED/Every THU/Every FRI/ Every SAT]
	<b>On time</b>	Sets the time when the TV turns on. The TV will turn off after 90 minutes or as specified.
	<b>Off time</b>	Sets the time when the TV turns off within 24 hours.

## **Lock** Locks specified channels or shows to prevent children from watching objectionable content.

You will be asked to enter your password each time you display the Lock menu.  
Set "Custom" in "Mode" to specify "Channel", "Game" and "Program" settings.

Settings	Items	Item Description
<b>Mode</b>	<b>Off</b>	Unlocks all the Lock settings of "Channel", "Game" and "Program".
	<b>All</b>	Locks all the inputs regardless of the Lock settings of "Channel", "Game" and "Program".
	<b>Custom</b>	Locks specified inputs of "Channel", "Game" and "Program".
<b>Channel</b> (These channels will be blocked regardless of the program rating.)	<b>Mode</b>	Set channel lock status. (Off/All/Custom) All: Locks all channels Off: Unlocks all channels Custom: Locks specified channels. Set "Channel 1" - "Channel 7"
	<b>Channel 1-7</b>	Select a channel to lock. (Select up to 7 (1-7) channels to block.)
<b>Game</b>	<b>On/Off</b>	Locks Channel 3, Channel 4, and external inputs.
<b>Program</b> (To set a rating level)	<b>Mode</b>	Set program lock status. (Off/On) "V-chip" technology enables restricted shows to lock according to TV ratings. On: Set each rating level (MPAA, US.TV, C.E.L.R., C.F.L.R.)
	<b>MPAA</b>	Select U.S. movie ratings to lock.
	<b>U.S.TV</b>	U.S. TV program ratings.
	<b>C.E.L.R.</b>	Canadian English ratings.
	<b>C.F.L.R.</b>	Canadian French ratings.
<b>Change password</b>		Change the password. Input the new 4-digit password twice.

- 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.

## **Closed caption** 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 the Closed caption (CC) information.

Settings	Items	Item Description
<b>Reset to defaults</b>		Resets all Closed caption settings to factory default settings.
<b>Mode</b>	<b>On/Off/</b>	On: To display Closed captions.
	<b>CC on mute</b>	CC on mute: To display Closed captions when the audio is muted. (When not using, select "Off").
<b>Analog</b>	<b>CC1-4/T1-4</b>	Choose the Closed caption service of Analog broadcasting. CC1-4: Information related to pictures (Appears at the bottom of the screen) T1-4: Textual information (Appears over the entire screen)
<b>Digital</b>	<b>Primary/Second./</b> <b>Service 3/4/5/6</b>	The Digital Closed caption menu lets you configure the way you choose to view the digital captioning.
<b>Digital setting</b> (Set display settings in digital program)	<b>Size</b>	Text size
	<b>Font</b>	Text font
	<b>Style</b>	Text style (Raised, Depressed, etc.)
	<b>Foreground</b>	Color of text
	<b>Fore. opacity</b>	Opacity of text
	<b>Background</b>	Color of text box
	<b>Back. opacity</b>	Opacity of text box
	<b>Outline</b>	Outline color of text (Identify the setting options on the screen.)

- The settings in "Analog" or "Digital" depend on the broadcaster.

Settings	Items	Item Description
<b>Channel surf mode</b>	<b>All/Favorite/ Digital only/ Analog only</b>	Sets the mode to select the channel with the Channel up/down button. Favorite: Only channels registered as FAVORITE.
<b>Language</b>	<b>English/ Español/ Français</b>	Selects the screen menu language.
<b>Clock</b>		Adjusts the clock. (p. 12)
<b>ANT/Cable setup</b>	For more detail on this menu, refer to the Owner's Manual on the CD-ROM	
<b>Input labels</b> (Display labels of connected devices)	Selects the terminal and label of the external equipment. Devices connected to external input terminals can be labeled for easier identification during the input selection. Terminals: HDMI 1-2/Comp./Video 1/Video 2/PC Label: [BLANK] Not used/Blu-ray/DVD/DVD REC/HOME THTR/GAME/COMPUTER/VCR/ CABLE/SATELLITE/DVR/CAMERA/MONITOR/AUX/RECEIVER/MEDIA CTR/MEDIA EXT/ OTHER	• You can also enter the label name directly.
<b>VIERA Link settings</b>	For more detail on this menu, refer to the Owner's Manual on the CD-ROM	
<b>ECO/energy saving</b>	<b>Power save (Standard/Saving)</b>	Reduces screen brightness to lower power consumption. Eye-friendly for viewing in a dark room.
	<b>No signal for 10 minutes (Stay on/ Power TV off)</b>	To conserve energy, the TV automatically turns off when NO SIGNAL and NO OPERATION continue for more than 10 minutes. <ul style="list-style-type: none"> <li>• Not in use when "Auto power on" is set to "Yes", or "On/Off Timer" is set.</li> <li>• "No signal for 10 minutes was activated" will be displayed for about 10 seconds when the TV is turned on for the first time after the power was turned off by "No signal for 10 minutes".</li> <li>• The on-screen display will flash 3, 2 and 1 to indicate the last three (3) remaining minutes prior to the shut-off.</li> </ul>
	<b>No activity for 3 hours (Stay on/ Power TV off)</b>	To conserve energy, the TV automatically turns off when no operation of remote and side panel key continues for more than 3 hours. <ul style="list-style-type: none"> <li>• Not in use when "Auto power on" is set to "Yes", or "On/Off Timer" is set, or while "PC inputs" is selected.</li> <li>• "No activity for 3 hours was activated" will be displayed for about 10 seconds when the TV is turned on for the first time after the power was turned off by "No activity for 3 hours".</li> <li>• The on-screen display will flash 3, 2 and 1 to indicate the last three (3) remaining minutes prior to the shut-off.</li> </ul>
<b>Advanced setup</b>	<b>Auto power on (No/Yes)</b>	Turns TV On automatically when the cable box or connected device is turned On. TV AC cord must be plugged into this device. TV turns on every time the power is restored.
	<b>Image viewer auto play</b>	<b>Slideshow/</b> Sets the playback type to play back SD cards automatically. <b>Thumbnail/</b> Set later: "Image viewer settings" menu will be displayed repeatedly. <b>Set later/Off</b>
<b>First time setup</b>		Restarts the first time setup from "Language" setting. (p. 10)
<b>About</b>		Displays TV version and software license.
<b>Reset to defaults</b>		Performing Reset will clear all settings made with Setup, such as channel settings.

# Frequently Asked Questions (FAQ)

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, visit the Panasonic web site for further assistance. (see cover)

Questions	Answers
<b>How do I view the picture from devices such as a Cable/Satellite box, game console, Blu-ray or DVD player?</b>	<ul style="list-style-type: none"><li>● Press the INPUT button on the remote to select the correct input source.</li><li>● Check that the device is turned on and functioning correctly.</li></ul>
<b>Why is there no picture or just a blue, black or snowy screen being displayed?</b>	<ul style="list-style-type: none"><li>● Check if the power cord is plugged in and the TV is turned on (front red LED light should be on; not blinking)</li><li>● Press the INPUT button on the remote to select the correct input source.</li><li>● Ensure all connections are correct and secure.</li><li>● When using external video source, such as a Cable/Satellite box or DVD player, check that the device is on and functioning correctly.</li><li>● Press MENU on the TV's remote control. If the menu is displayed, then the TV is working; recheck above steps.</li></ul>
<b>Why doesn't the picture look like it is in High Definition?</b>	<ul style="list-style-type: none"><li>● Press the INFO button on the remote to confirm the type of signal being received. HD signal should be 720P, 1080i or 1080p.</li><li>● Select a High Definition channel from your HD source (Cable, Satellite or fiber optic service). HD channels sometimes broadcast non-HD content.</li><li>● Ensure that your HD source (HD box, Blu-ray player, etc.) is connected to the TV with an HDMI or Component cable and set to output an HD video signal.</li></ul>
<b>Why do black bars appear on the top and bottom and/or sides of the screen?</b>	<ul style="list-style-type: none"><li>● Change the format (aspect ratio) of the picture by pressing the FORMAT button on the remote control.</li><li>● Check the aspect settings on your external video source, such as Cable/Satellite box, DVD/Blu-ray Disc player, etc. Note: Some content, such as film-based movies, are available in extra-wide format. Top and bottom bars are unavoidable.</li></ul>
<b>Why is the picture snowy when "ANT/Cable in" is selected?</b>	<ul style="list-style-type: none"><li>● When using a cable service (without a box), check that all connections are secure.</li><li>● When using a cable or satellite box, change the connection (wiring) to Composite, Component or HDMI.</li><li>● If you're using an antenna, then check that connections are secure. Change the position or direction of the antenna and check the "Signal meter".</li></ul>
<b>Why is the picture chaotic and/ or torn and/or with a buzz in the speakers?</b>	<ul style="list-style-type: none"><li>● Check if electrical products such as kitchen appliances, fluorescent lights or light dimmers are nearby. They may interfere with the TV's picture.</li><li>● Try viewing a picture from another device, such as a DVD player or a game console, to narrow down the source of the problem.</li></ul>
<b>Why is there a black box on the screen?</b>	<ul style="list-style-type: none"><li>● Change settings of Closed Caption (CC).</li></ul>
<b>Why is the screen blank and the power indicator blinking?</b>	<ul style="list-style-type: none"><li>● The TV has gone into shutdown mode to protect itself. Try unplugging it for a few minutes and connecting it again. If there was a temporary power surge on the AC line it may now be OK. If the blinking returns, call 1-877-95VIERA (U.S.A.) or 1-866-330-0014 (Canada).</li></ul>
<b>Why do some small spots on the screen remain bright or dark?</b>	<ul style="list-style-type: none"><li>● The LCD panel is made up of a few million pixels and is produced with advanced technology through an intricate process. Sometimes a few pixels may be bright or dark. These pixels do not indicate a defective panel and will have no impact on the performance of the TV.</li></ul>

**Questions****Answers****Sound**

**Why is there no sound coming from the TV?**

- Make sure the volume is up and MUTE is off.
- Confirm the TV speakers are set to ON by pressing MENU and selecting "Audio" --> "Advanced audio".
- Check that the correct SAP (Secondary Audio Program) is selected by pressing the SAP button on the remote control.
- If the TV is connected to a Panasonic Home Theater via HDMI cable, then check VIERA Link controls.
- If the TV is connected to a Home Theater via optical cable, then: Check the connection, the audio system is on, the correct input is selected.
- Check "HDMI 1 in" or "HDMI 2 in" analog/digital audio settings.

**Why is the sound unusual, distorted, low volume or in another language?**

- Check that the correct SAP (Secondary Audio Program) is selected by pressing the SAP button on the remote control.
- Check that all connections of external equipment connected to the TV are secure.
- When using Cable or Satellite box, check the device's audio settings. (example: try changing the box's Audio Range to 'narrow')

**Why is there a clicking, ticking or buzzing sound coming from the TV unit?**

- When TV power is turned on or shut off there are electrical components that make a click sound. This is normal operation.
- Changes in the temperature and humidity of the room may cause thermal expansion and contraction that can produce sounds. This is not a sign of faulty operation or a malfunction.

**What is the easiest and best way to connect a High-Definition Cable or Satellite box to the TV?**

- Use an HDMI cable. It carries both digital video and audio signal in HD. HDMI cable is the only cable needed to connect an HD device to the TV.

**Why is there no yellow jack (video 1 input) on the back of the TV?**

- The Video 1 input is shared with the Component input. Just connect the yellow plug into the green jack. Be sure to connect the red and white audio plugs into the appropriate red and white audio inputs.

**Why does the CC button not display Closed Caption?**

- When viewing TV via an HDMI connected device, such as a Cable or Satellite box, CC must be enabled at the device.
- Closed Caption is available only at supported TV programming.

**Why does the screen and back cover of the TV get warm?**

- The main unit radiates heat and some of the parts may become hot. This is normal operation and does not affect the performance of the set.
- Ensure good ventilation.
- Do not block the ventilation holes of the TV and do not place the TV on top of other equipment.

**Why doesn't the Remote Control work?**

- Check that the batteries are fresh, are of the same type and are installed with the correct polarity (+ & -).
- To operate other devices, such as changing channels when using Cable or Satellite boxes or operating non-Panasonic Blu-ray players, use the remote supplied with the device.

**Why is the "ANT/Cable" option at the top of the "Input select" menu gray-out and cannot be selected?**

- During "First time setup", step 3, you indicated that the "Antenna/Cable in" connector is "not used". This is the proper setting if the TV is connected to a Cable or Satellite box via any of the other inputs. To re-activate the "ANT/Cable" input, press MENU, select SETUP and then redo the First time setup, selecting Cable or Antenna in step 3.

**Some menu items are grayed-out and cannot be selected. Why?**

- Depending on certain modes or the selected input, some options are not available. For example, Zoom adjustments are only available when the FORMAT is changed to zoom mode.

**Other**

# Limited Warranty (for U.S.A. and Puerto Rico only)

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

## 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 (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, (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by the warrantor.

LCD TV CATEGORIES	PARTS	LABOR	SERVICE
Up to 42" (diagonal)	1 (ONE) YEAR	1 (ONE) YEAR	Carry-In
46" (diagonal) and larger			On-Site

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 your product or arrange for on-site service during the Limited 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.

### On-Site or Carry-in Service

For On-Site or Carry-In Service in the United States and Puerto Rico call 1-877-95-VIERA (1-877-958-4372)

On-site service where applicable 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 on-site repairs will not be completed on-site, but will require that the product or parts of the product, at the servicer's discretion 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, 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 ON-SITE SERVICE CALL, WHERE APPLICABLE) WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY ARE YOUR RESPONSIBILITY.**

# Customer Services Directory (for U.S.A. and Puerto Rico)

## Customer Services Directory (United States and Puerto Rico)

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/help>

or, contact us via the web at:

<http://www.panasonic.com/contactinfo>

You may also contact us directly at:

1-877-95-VIERA (958-4372)

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 (United States and Puerto Rico)

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](mailto: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 9 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

# Limited Warranty (for Canada)

**Panasonic Canada Inc.**  
5770 Ambler Drive, Mississauga, Ontario L4W 2T3  
**PANASONIC PRODUCT – LIMITED WARRANTY**

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship under normal use and for a period as stated below from the date of original purchase agrees to, at its option either (a) repair your product with new or refurbished parts, (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by Panasonic Canada Inc.

<b>Viera TV (42" &amp; over)</b>	<b>In-home service</b>	<b>One (1) year, parts (including panel) and labour.</b>
<b>Viera TV (under 42")</b>	<b>Carry-in service</b>	<b>One (1) year, parts (including panel) and labour.</b>

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

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. If removal is required to service the product, it will be at the discretion of the Servicer and in no event will Panasonic Canada Inc. or the Servicer be liable for any special, indirect or consequential damages.

This warranty is given only to the original purchaser, or the person for whom it was purchased as a gift, of a Panasonic brand product mentioned above sold by an authorized Panasonic dealer in Canada and purchased and used in Canada, which product was not sold "as is", and which product was delivered to you in new condition in the original packaging.

**IN ORDER TO BE ELIGIBLE TO RECEIVE WARRANTY SERVICE HEREUNDER, A PURCHASE RECEIPT OR OTHER PROOF OF DATE OF ORIGINAL PURCHASE, SHOWING AMOUNT PAID AND PLACE OF PURCHASE IS REQUIRED**

## **LIMITATIONS 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. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by Panasonic Canada Inc., or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Authorized Servicer, or damage that is attributable to acts of God. Dry cell batteries are also excluded from coverage under this warranty.

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 RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY. (As examples, this warranty excludes damages for lost time, travel to and from the Authorized Servicer, loss of or damage to media or images, data or other memory or recorded content. This list of items is not exhaustive, but for illustration only.)

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. This warranty gives you specific legal rights and you may have other rights which vary depending on your province or territory.

## **WARRANTY SERVICE**

**For product operation and information assistance, please contact:**

Our Customer Care Centre: 1-800 #: 1-866-330-0014  
Email link: "Contact us → email" on [www.vieraconcierge.ca](http://www.vieraconcierge.ca)

**For product repairs, please contact Viera Customer Care Agent using the above contact info.**

## **IF YOU SHIP THE PRODUCT TO A SERVICENTRE**

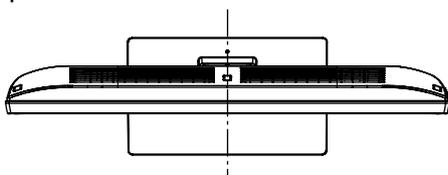
Carefully pack and send prepaid, adequately insured and preferably in the original carton.  
Include details of the defect claimed, and proof of date of original purchase.

## SPECIFICATIONS

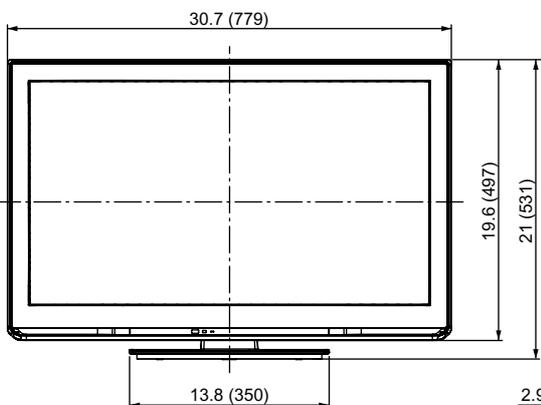
Dimensions (W x H x D)	30.7" (779 mm) x 21.0" (531 mm) x 8.2" (207 mm) (Including TV stand) 30.7" (779 mm) x 19.6" (497 mm) x 3.4" (85 mm) (TV Set only)
Mass	22.0 lb. (10.0 kg) (Including TV stand) 20.0 lb. (9.0 kg) (TV Set only)
Power Source	AC 110-127 V, 60 Hz
Rated Power Consumption	106 W
Standby condition	0.3 W

## DIMENSIONS

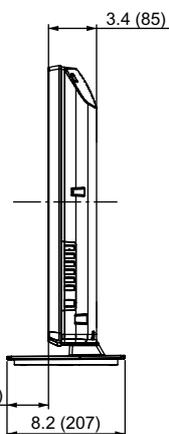
Top View



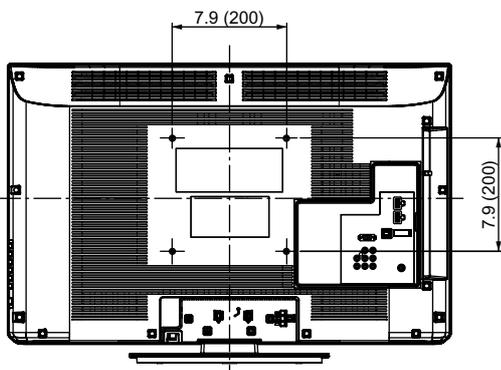
Front View



Side View



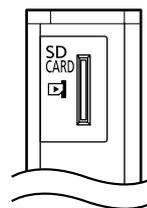
Back View



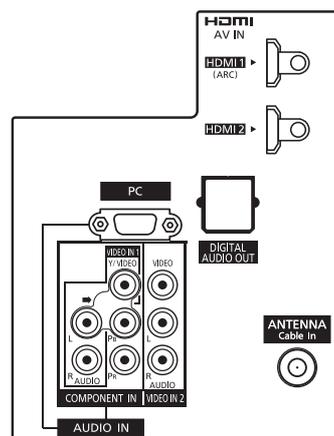
Note:  
To make sure that the LCD TV fits the cabinet properly when a high degree of precision is required, we recommend that you use the LCD TV itself to make the necessary cabinet measurements. Panasonic cannot be responsible for inaccuracies in cabinet design or manufacture.

## JACKS

Side Panel



Rear Panel



Specifications are subject to change without notice.  
Non-metric weights and measurements are approximate.

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 \_\_\_\_\_

#### 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 Canada Inc.**  
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Mississauga, Ontario  
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