Operating Instructions
LCD Television
Manual de instrucciones
Televisor LCD

Model No. TC-23LX60
TC-26LX60C
TC-26LX60L
TC-32LX60C
TC-32LX60L

English
Español

Please read these instructions before operating your set and retain them for future reference.

Lea estas instrucciones antes de utilizar su televisor y guárdelas para consultarlas en el futuro.
Turn your own living room into a movie theater!

Experience an amazing level of multimedia excitement
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Please read before using the unit

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Important Safety Instructions

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.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

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 for LCD TV

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.

EXAMPLE OF ANTENNA GROUNDING AS PER (NEC) NATIONAL ELECTRICAL CODE

GROUND CLAMP

ANTENNA LEAD-IN WIRE

ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)

ELECTRIC SERVICE EQUIPMENT

GROUNDING CONDUCTORS (NEC SECTION 810-21)

GROUND CLAMPS

POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)
19) An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

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.
   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 SUFACOCATION.

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 accessories. 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-WK23LR2W (TC-23LX60)
     - TY-WK32LR2W (TC-26LX60C, TC-26LX60L, TC-32LX60C, TC-32LX60L)
   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.

This product utilizes tin-lead solder, and has a fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated in your community due to environmental considerations. For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance: www.eiae.org.

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Federal Communication Commission Information

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate this equipment.
Accessories/Options

☑ Check you have all the items shown.

### Accessories

- **Remote Control Transmitter**
  - EUR7613Z90R
- **Batteries for the Remote Control Transmitter (2)**
  - AA Battery
- **Product Registration Card (U.S.A.)**
- **Customer Care Plan Card (U.S.A.)**
- **AC Plug Converter (TC-26LX60L, TC-32LX60L)**
- **Operating Instructions**
- **Customer Care Plan Card (U.S.A.)**
- **Warranty Card (Mexico)**

### Installing remote’s batteries

1. **Push**
2. **Slide open**
3. **Note the correct polarity (+ or -).**

#### Caution

- Incorrect installation may cause battery leakage and corrosion, resulting in damage to the remote control unit.
- 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.
- Make a note of the remote control codes before changing batteries in case the codes are reset. (p. 23-24)

### Optional accessory

#### Caution

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.

**Wall-hanging bracket**

- TY-WK23LR2W (TC-23LX60)

- TY-WK32LR2W (TC-26LX60C, TC-26LX60L, TC-32LX60C, TC-32LX60L)

#### 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 your unit will void your 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.
How to remove the TV-Stand

1. Remove two screws
   - Pull out the plastic portion

2. Remove four screws
   - Pull out the metallic portion

Foam mat or thick soft cloth

Receiver Location

Locate at a comfortable distance for viewing. Avoid placing 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 internal component failure. Keep away from areas of excessive heat or moisture.

How to use the LCD stand

Adjust the stand to your desired angle.

[TC-23LX60]
The stand angle can be adjusted between 5° forward and 10° back, and rotated 20° to the right / left.

[TC-26LX60C / TC-26LX60L / TC-32LX60C / TC-32LX60L]
The stand angle can be rotated 20° to the right / left.
Connection

Watching TV

Example: TC-32LX60C

Cable BOX
VHF/UHF aerial

Back of the unit

Power Cord
(Connect after all the other connections are complete.)

Component Video Input

To record TV shows

S Video signals have priority.

Video recorder with TV Tuner
(DVD Recorder / VCR)

Note

- All cables and external equipments shown in this book are not supplied with the TV.
- For additional assistance, visit us at: www.panasonic.com
  www.panasonic.ca
- When connecting video cables, priority is given to the S Video cable when both the S VIDEO input terminal and the VIDEO input terminal are connected.
- Some programs contain a copyright protection signal to prevent VCR recording.
Identifying Controls

- **POWER button**: Turns power On/Off (used when the unit’s Power button is on)
- **Volume**: Menu navigations
- **CH**: Selects channels in sequence
  - Menu navigations
  - Displays Main Menu (p. 12-13)
  - Selects input mode (p. 11)
- **Sleep timer (MINUTES)**: (p. 10)
- **GUIDE for DBS**: Direct channel access for DBS
- **EXIT**: Exit (from the menu)
- **GUIDE for DBS**: Guide for DBS
- **GUIDE for DBS**: (p. 10)
- **GUIDE for DBS**: Numeric keypad to select any channel or press to enter alphanumeric input in menus. (p. 10)
- **GUIDE for DBS**: Sleep timer (MINUTES) (p. 10)
- **GUIDE for DBS**: External equipment operations (p. 11, 22) (VCRs, DVDs, etc.)

Note
- The TV consumes some power as long as the power cord is inserted into the wall outlet.

Remote control sensor
Within about 23 feet (7 meters) in front of the TV set.
Watching TV

Connect cable Box when watching cable TV. (p. 8)

1. Switch to TV mode

2. Turn power on

3. Select a channel number

Other Useful Functions (Operate after 3)

- **Sleep Timer**
  - Switches the unit OFF in a preset amount of time from 0 to 90 minutes in 30 minute intervals.
  - 0/30/60/90 (minutes)

- **Selects Audio Mode for TV Viewing**
  - Press SAP to select the desired audio mode.
  - Each press of SAP will change the audio mode. (Stereo/SAP/Mono)
  - Red display : With signal
  - White display : No signal
  - White display (All modes) : Mono
  - Stereo Two channel Audio reception.
  - SAP Second Audio Programming (typically used for bilingual audio).
  - Mono Select when stereo signal is weak.

- **Information Recall**
  - Displays or removes the channel banner.
  - Ch/input mode

- **Change aspect ratio**
  - Change the aspect (p. 26)
  - Press button to cycle through the aspect modes.
  - 480i, 480p: FULL/JUST/4:3/ZOOM
  - 1080i, 720p: FULL/H-FILL/JUST/4:3

**Note**
- Reselect “Cable” or “Antenna” in “ANT in” of “Auto program” to switch the signal reception between cable TV and antenna. (p. 15)
- The channel number and volume level remain the same even after the TV is turned off.
Watching Videos and DVDs

Some Panasonic equipment connected to the TV unit can be operated with the remote control. Programming the remote control is necessary to operate other manufacturers’ products. (p. 18, 23-24)

With VCR or DVD turned On
Switch to external input
Press to display the Input select menu.

Select the input mode
Press the corresponding NUMBER key on the Remote Control to select the input of your choice.

Press to select the input of your choice, then press “OK”.

• If during selection, no action is taken for several seconds, the Input selection menu is exited.

• Video 3 is not available for TC-23LX60.

The terminal and label of the connected equipment is indicated. To label each of the connected equipment (p. 14)

Operate the VCR or DVD with the remote control

For other operations, see p. 22)
How to Use Menu Functions

Various menus allow you to select settings for the picture, sound, and other functions so that you can enjoy watching TV with your preferences set.

1. Display menu
   MENU Displays the functions that can be set (varies according to the input signal)

2. Select the menu
   - Press to exit or return to previous screen

3. Select the item
   - Example: Picture menu

4. Adjust or select
   - Example: Picture menu

- Press to exit or return to previous screen

<table>
<thead>
<tr>
<th>Menu</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>Picture</td>
<td>Video NR</td>
</tr>
<tr>
<td>Picture</td>
<td>3D Y/C filter</td>
</tr>
<tr>
<td>Picture</td>
<td>Color temp</td>
</tr>
<tr>
<td>Picture</td>
<td>AI picture</td>
</tr>
<tr>
<td>Picture</td>
<td>Zoom adjust</td>
</tr>
<tr>
<td>Picture</td>
<td>Color matrix</td>
</tr>
<tr>
<td>Picture</td>
<td>Black level</td>
</tr>
<tr>
<td>Audio</td>
<td>Normal</td>
</tr>
<tr>
<td>Audio</td>
<td>Bass</td>
</tr>
<tr>
<td>Audio</td>
<td>Treble</td>
</tr>
<tr>
<td>Audio</td>
<td>Balance</td>
</tr>
<tr>
<td>Lock</td>
<td>Language</td>
</tr>
<tr>
<td>Lock</td>
<td>Program channel</td>
</tr>
<tr>
<td>Lock</td>
<td>Input labels</td>
</tr>
<tr>
<td>Lock</td>
<td>CC</td>
</tr>
<tr>
<td>Setup</td>
<td>Auto power on</td>
</tr>
<tr>
<td>Setup</td>
<td>Prog-out stop</td>
</tr>
<tr>
<td>Setup</td>
<td>Ctrl with HDMI</td>
</tr>
<tr>
<td>Setup</td>
<td>Power save</td>
</tr>
</tbody>
</table>
**Adjustments/Configurations (alternatives)**

<table>
<thead>
<tr>
<th>Description</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resets all picture adjustments to factory default settings except for “Other adjust”</td>
<td>Normal Set</td>
</tr>
<tr>
<td>Basic picture mode (Vivid/Standard/Cinema) (p. 27)</td>
<td>Pic. mode Standard</td>
</tr>
<tr>
<td>Adjusts luminance of the back light.</td>
<td>Back light +20</td>
</tr>
<tr>
<td>Adjusts color, brightness, etc. for each picture mode to suit your taste</td>
<td>Brightness +20</td>
</tr>
<tr>
<td></td>
<td>Color 0</td>
</tr>
<tr>
<td></td>
<td>Sharpness 0</td>
</tr>
<tr>
<td>Selects level of warm colors (red) and cool colors (blue) (Warm/Cool/Normal)</td>
<td>Color temp Cool</td>
</tr>
<tr>
<td>Controls dark areas without affecting the black level or brightness in the overall picture (On/Off)</td>
<td>Alt picture On</td>
</tr>
<tr>
<td>Adjusts vertical alignment and size when aspect setting is “ZOOM” (p. 26)</td>
<td>Zoom adjust On</td>
</tr>
<tr>
<td>Reduces noise, commonly called snow. Leave off when receiving a strong signal. (On/Off)</td>
<td>Video NR Off</td>
</tr>
<tr>
<td>Minimizes noise and cross-color in the picture. (On/Off)</td>
<td>3D Y/C filter Off</td>
</tr>
<tr>
<td>Not valid on component and HDMI.</td>
<td></td>
</tr>
<tr>
<td>Selects image resolution of component-connected devices (SD/HD)</td>
<td>Color matrix SD</td>
</tr>
<tr>
<td>SD: normal vision HD: high-definition vision</td>
<td></td>
</tr>
<tr>
<td>Only 480 p signal accepted; regular TV (NTSC) is not available.</td>
<td></td>
</tr>
<tr>
<td>Selects Dark or Light depending on the picture conditions, when selecting the video or component input. The dark scene becomes easy to see. (Dark/Light)</td>
<td>Black level Light</td>
</tr>
<tr>
<td>Fixed to Dark when selecting TV mode.</td>
<td></td>
</tr>
<tr>
<td>Fixed to Light when selecting HDMI mode.</td>
<td></td>
</tr>
<tr>
<td>Reset Bass, Treble and Balance adjustments to factory default settings.</td>
<td>Normal Set</td>
</tr>
<tr>
<td>Increase or decrease the bass response.</td>
<td>Bass +4</td>
</tr>
<tr>
<td>Increase or decrease the treble response.</td>
<td>Treble 0</td>
</tr>
<tr>
<td>Emphasize the left / right speaker volume.</td>
<td>Balance 0</td>
</tr>
<tr>
<td>Equalize overall volume levels across all channels and VIDEO inputs. (On/Off)</td>
<td>All sound On</td>
</tr>
<tr>
<td>Enhances audio response when listening to stereo. (On/Off)</td>
<td></td>
</tr>
<tr>
<td>Selects according to the signal when HDMI is connected (Auto/Digital/Analog)</td>
<td>HDMI in Auto</td>
</tr>
<tr>
<td>Auto: Automatically selects Analog / Digital signal</td>
<td></td>
</tr>
<tr>
<td>Minimizes volume disparity after switching to external inputs</td>
<td>Audio leveler 0</td>
</tr>
<tr>
<td>Selects Audio Mode for TV viewing (Stereo/ SAP/Mono)</td>
<td>SAP Stereo</td>
</tr>
<tr>
<td>To change the mode using SAP button. (p. 10)</td>
<td></td>
</tr>
<tr>
<td>Locks the programs (p. 16-17)</td>
<td></td>
</tr>
<tr>
<td>Selects the screen menu language</td>
<td>Language</td>
</tr>
<tr>
<td>Sets receiving channels. (p. 15)</td>
<td>Program channel</td>
</tr>
<tr>
<td>Displays labels of external equipments (p. 14)</td>
<td>Input labels</td>
</tr>
<tr>
<td>Displays subtitles (Closed Caption) (p. 14)</td>
<td>CC</td>
</tr>
<tr>
<td>Sets how to power on the TV. (Set/Off)</td>
<td></td>
</tr>
<tr>
<td>Set: Connect power cord plug to Cable box etc. and control TV’s On/Off on the connected equipment. (The Sleep Timer will not function if Auto power on is set.)</td>
<td>Auto power on Off</td>
</tr>
<tr>
<td>Off : Supply Power from wall outlet and control TV’s On/Off on TV side.</td>
<td></td>
</tr>
<tr>
<td>To prevent howling and image oscillation, stops output of the pictures and audio specified in this menu. (p. 21) (Off/Comp./HDMI/Video 1/Video 2/Video 3)</td>
<td>Prog-out stop Off</td>
</tr>
<tr>
<td>Video 3 is not available for TC-23LX60.</td>
<td></td>
</tr>
<tr>
<td>Comp./HDMI cannot output video signals regardless of “Prog-out stop” setting.</td>
<td></td>
</tr>
<tr>
<td>Controls equipments connected to HDMI terminals. (p. 19, 20) (On/Off)</td>
<td>Ctrl with HDMI On</td>
</tr>
<tr>
<td>(for TC-23LX60, TC-26LX60C and TC-32LX60C only)</td>
<td></td>
</tr>
<tr>
<td>Reduces screen brightness to lower power consumption. Eye-friendly for viewing in a dark room (Standard/Saving)</td>
<td>Power save Standard</td>
</tr>
</tbody>
</table>

- In VIDEO mode, the Audio menu and Setup menu give a smaller number of options.
Input Labels/Closed Caption

The labels of equipment connected to external input terminals can be indicated for easy recognition on the screen. (In selecting input mode of p. 11)

Select the terminal and the label of the external equipment

- Terminal: Comp./HDMI/Video1-3
- Label: SKIP*/VCR/DVD/CABLE/DBS/PVR/GAME/AUX/[BLANK]

* If "SKIP" is selected for a non-connected terminal, its input is skipped when switched with TV/VIDEO button.

The television includes a built-in decoder that is capable of providing a visual display of the audio portion. The program viewed must provide Closed Captioning (CC) for the television to display it. (p. 26)

Select the desired mode

- Off: When not using, select “Off”.
- CC1-4: Information related to pictures (Appears at bottom of screen)
- T1-4: Textual information (Appears over entire screen)
Editing and Setting Channels

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

1. Display menu
   MENU

2. Select “Setup”
   Menu
   Picture
   Audio
   Lock
   Setup

3. Select “Program channel”
   Setup
   Input labels
   Closed Caption
   CC
   Input labels
   Other adjust

4. Select the function
   Program channel
   Manual program
   Auto program

5. Set
   Program channel
   Manual program
   Auto program
   ANT in
   Start scan
   Cable

**Auto program**
Automatically searches and adds active channels to memory.

1. Select “ANT in”
   (Select Cable or Antenna)

2. Select “Start scan”
   Auto program
   ANT in
   Start scan
   Cable

**Note**
- All previously memorized channels are erased.
- When or button is pressed during Auto program, the TV will return to normal viewing. (Channels searched up to that point are added.)
- After Auto program finishes, the lowest channel number added will be displayed.
- When there is no receivable channel, channel 69 (for TV) or channel 125 (for cable TV) is displayed.

Use this procedure when changing the setting of receiving channels or changing the channel display.

1. Select Channel
   Manual program
   Enter channel

2. Add or delete
   (the channel number turns blue)
   (the channel number turns yellow)

- Repeat steps 1 and 2 for other channels.

If “Channel lock” (p. 16) is activated and “Auto” or “Manual” is selected, “Enter password.” will be displayed.
Lock

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

1. Display menu
   Menu
   - Enter password.
   - Lock
   - Program lock

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

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

4. Select “Program lock”
   • To change the password
     1. In \( \text{Lock} \), select “Change password” and press “OK” button
     2. Input the new 4-digit password twice

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.
To select the rating of the program to be locked

To set rating level
“V-chip” technology enables restricted shows to be locked according to TV ratings.

1. Select the rating category you wish to follow

   Program lock
   MPAA
   U.S.TV
   C.E.L.R.
   C.F.L.R.
   Monitor out Off

   • MPAA: U.S movie ratings
   • U.S.TV: U.S TV program ratings
   • C.E.L.R: Canadian English ratings
   • C.F.L.R: Canadian French ratings

2. Select the rating to be locked

Example of “MPAA” (U.S movie ratings)

<table>
<thead>
<tr>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>No rating</td>
</tr>
<tr>
<td>G</td>
<td>General Audience: All ages admitted</td>
</tr>
<tr>
<td>PG</td>
<td>Parental Guidance Suggested</td>
</tr>
<tr>
<td>PG-13</td>
<td>Parents Strongly Cautioned: Inappropriate for children under 13</td>
</tr>
<tr>
<td>R</td>
<td>Restricted: Under 17 requires accompanying parent or adult guardian</td>
</tr>
<tr>
<td>NC-17</td>
<td>No one 17 and under admitted</td>
</tr>
<tr>
<td>X</td>
<td>Adults only</td>
</tr>
</tbody>
</table>

To disable recording of the locked program

Select "Monitor out" in “Program lock” menu and set to “Off”

On: Turns on the monitor terminal output for programs that have been set to “Blocked.”
Off: Turns off the monitor terminal output for programs that have been set to “Blocked.”

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

Note

- The Off rating is independent of other ratings.
- When placing a block on a specific age based rating level, the Off rating and any other more restrictive ratings will also be blocked.
Operating Peripheral Equipment

You can operate other manufacturers’ equipment using this TV’s remote control.

1. Connect the external equipment to the TV and Power Off the external equipment

2. Press both buttons simultaneously for more than 3 seconds.
   - Release the buttons when the equipment selection buttons start flashing.

3. Select the equipment with the equipment selection button
   - The selected button remains lit (other buttons are not lit).

4. Input the equipment’s 4-digit remote control code (p. 23-24)

5. Operate the equipment with the remote control (p. 22)
   - The external equipment turns On.

   - If the equipment does not operate with remote control
     - When your equipment has a single code
       - Input the remote control code again
     - When your equipment has multiple codes
       - Change the code with  above and test again

Caution
- Registration will fail if the wrong code is input or it takes more than 30 seconds to register.

To find a code not listed in the code list

This procedure searches all codes and is called the “sequence method.”

1. After step  above, change the code and test
   - Operate the equipment with the remote control (p. 22)
     - Repeat until the code is found
     - It may take many attempts before the correct code is found

2. When the correct code is found
   - store
Control with HDMI “HDAVI Control™”

Newer Panasonic audio-video products with HDMI output connections can be controlled using the TV’s remote. Limited features such as automatic switching to the TV’s HDMI input are available.

- This feature is limited to models incorporating Panasonic’s “Control with HDMI”. Refer to the individual instruction manuals for compatibility information.
- Non-HDMI-compliant cables cannot be utilized.
- It is recommended that you use Panasonic’s HDMI cable.
  Recommended part number: RP-CDHG15 (1.5 m), RP-CDHG30 (3.0 m), RP-CDHG50 (5.0 m)

[for TC-23LX60, TC-26LX60C and TC-32LX60C only]

<table>
<thead>
<tr>
<th>Automatic input switching</th>
<th>Power on link</th>
<th>Power off link</th>
</tr>
</thead>
<tbody>
<tr>
<td>When “Ctrl with HDMI” is set to “On”, at the start of HDAVI control compatible equipment’s playback, the TV’s input automatically switches to the input corresponding to the playback equipment.</td>
<td>When “Ctrl with HDMI” is set to “On”, the TV is automatically turned on and switched to the appropriate HDMI input whenever HDAVI control compatible equipment is initially turned on and Play mode is selected.</td>
<td>When “Ctrl with HDMI” is set to “On” and the TV is turned off, the connected HDAVI control compatible equipment is also automatically turned off.</td>
</tr>
</tbody>
</table>

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

**Caution**

- “Control with HDMI” function does not work in countries other than the USA and Canada.
- The TV remains on even if the “Control with HDMI” compatible equipment is turned off.

**Note**

- Before using HDMI control functions, the connected equipment must also be set. For details, see the operation manual for each piece of equipment.
- For equipment connection details, see p. 20.
- Default setting is “On”. If no HDMI equipment is connected or standard HDMI equipment (non- “Control with HDMI”) is used, set to “Off”. (see below)

### Display menu

1. **Display menu**
   - MENU

2. **Select “Setup”**

3. **Select “Other adjust”**
   - Setup
     - Language
     - Program channel
     - Input labels
     - CC
     - Other adjust

4. **Select “Ctrl with HDMI”**
   - Other adjust
     - Auto power on
     - Prog-out stop
     - Ctrl with HDMI
     - Power save
     - Standard
     - Standard

5. **Select “On” or “Off”**

   - Press to exit or return to previous screen

**Note**

- Before using HDMI control functions, the connected equipment must also be set. For details, see the operation manual for each piece of equipment.
- For equipment connection details, see p. 20.
- Default setting is “On”. If no HDMI equipment is connected or standard HDMI equipment (non- “Control with HDMI”) is used, set to “Off”. (see below)

**Caution**

- “Control with HDMI” function does not work in countries other than the USA and Canada.
- The TV remains on even if the “Control with HDMI” compatible equipment is turned off.

**Note**

- Before using HDMI control functions, the connected equipment must also be set. For details, see the operation manual for each piece of equipment.
- For equipment connection details, see p. 20.
- Default setting is “On”. If no HDMI equipment is connected or standard HDMI equipment (non- “Control with HDMI”) is used, set to “Off”. (see below)
Recommended AV Connections

These diagrams show our recommendations for how to connect the TV unit to your various equipment. For other connections, consult the instructions of each piece of equipment and the specifications (p. 30). For additional assistance, please visit our website at: www.panasonic.com

www.panasonic.ca

- To watch camcorder images
  - Camcorder
  - VCR
  - DVD Player
- Power Cord (Connect after all the other connections are complete.)
- Headphones/Earphones (not supplied)

Note

- To watch digital video image
  - DVD Player or Set Top Box (HDMI compatible machine only)
- Control with HDMI (p. 19)
  - DIGA (Panasonic DVD Recorder)
  - Connect with HDMI cable

Individual HDMI equipment may require additional menu settings specific to each model. Please refer to their respective operating instruction manuals.
Advanced

Recommended AV Connections

- **To watch DVDs**
  - DVD Player
  - Set Top Box

- **To listen to the TV through speakers**
  - Turn Off the TV speakers.

- **Cable TV**
  - Set the TV channel to CH3 or CH4 for using Cable Box Connection.
  - For further information on Cable Box Connection, consult your local cable company.

- **Cable Box**
  - The picture and audio input signals connected to a terminal specified in “Prog-out stop” (p. 12-13) cannot be output from “OUTPUT” terminals.
  - To prevent howling and image oscillation, set the “Prog-out-stop” setting when connecting VCR with loop-connection. (p. 12)

- **DVD Recorder / VCR**
  - When equipment (STB, DVD, etc.) is connected to HDMI or COMPONENT terminals, only audio signals can be obtained. No video signals can be output.

- **Amplifier**

---

**Note**

- Set the TV channel to CH3 or CH4 for using Cable Box Connection.
- For further information on Cable Box Connection, consult your local cable company.
- The picture and audio input signals connected to a terminal specified in “Prog-out stop” (p. 12-13) cannot be output from “OUTPUT” terminals.
- To prevent howling and image oscillation, set the “Prog-out-stop” setting when connecting VCR with loop-connection. (p. 12)
- When equipment (STB, DVD, etc.) is connected to HDMI or COMPONENT terminals, only audio signals can be obtained. No video signals can be output.
## Remote Control Operation/Code List

The following explains how to operate external equipment with the remote control.

- Register the remote control codes (p. 18) if you want to operate an external equipment of another manufacturer. (p. 23-24)

### Note
- Operation may not be possible depending on the available memory size of the remote control.
- This remote control is not designed to cover operation of all functions of all models.

### Remote Control Operation List
This chart defines which keys are operational after programming (if needed), while in the selected remote control mode, DTV, CABLE, DBS, VCR, DVD.

<table>
<thead>
<tr>
<th>KEY NAME</th>
<th>VCR MODE</th>
<th>DBS/CBL MODE</th>
<th>DVD MODE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(DBS)</td>
<td>(CBL)</td>
</tr>
<tr>
<td><strong>POWER</strong></td>
<td>Power</td>
<td>Power</td>
<td>Power</td>
</tr>
<tr>
<td><strong>CH</strong></td>
<td>—</td>
<td>CH Up, Cursor Up</td>
<td>Skip Up</td>
</tr>
<tr>
<td></td>
<td>—</td>
<td>CH Down, Cursor Down</td>
<td>Skip Down</td>
</tr>
<tr>
<td><strong>VOL</strong></td>
<td>Vol Down</td>
<td>DBS Cursor Left</td>
<td>Vol Down</td>
</tr>
<tr>
<td></td>
<td>Vol Up</td>
<td>DBS Cursor Right</td>
<td>Vol Up</td>
</tr>
<tr>
<td><strong>MENU</strong></td>
<td>—</td>
<td>DBS Menu</td>
<td>—</td>
</tr>
<tr>
<td><strong>RETURN</strong></td>
<td>—</td>
<td>Exit</td>
<td>—</td>
</tr>
<tr>
<td><strong>EXIT</strong></td>
<td>TV Input Switch</td>
<td>TV Input Switch</td>
<td>TV Input Switch</td>
</tr>
<tr>
<td><strong>RECALL</strong></td>
<td>Onscreen Display</td>
<td>Onscreen Display</td>
<td>Recall</td>
</tr>
<tr>
<td></td>
<td>TV Mute</td>
<td>TV Mute</td>
<td>TV Mute</td>
</tr>
<tr>
<td><strong>GUIDE</strong></td>
<td>—</td>
<td>Guide</td>
<td>—</td>
</tr>
<tr>
<td><strong>0 — 9</strong></td>
<td>—</td>
<td>0-9</td>
<td>—</td>
</tr>
<tr>
<td><strong>REW</strong></td>
<td>Rewind</td>
<td>—</td>
<td>Reverse</td>
</tr>
<tr>
<td><strong>PLAY</strong></td>
<td>Play</td>
<td>—</td>
<td>Play</td>
</tr>
<tr>
<td><strong>FF</strong></td>
<td>Fast Forward</td>
<td>—</td>
<td>Forward</td>
</tr>
<tr>
<td><strong>PAUSE</strong></td>
<td>Pause</td>
<td>—</td>
<td>Pause</td>
</tr>
<tr>
<td><strong>STOP</strong></td>
<td>Stop</td>
<td>—</td>
<td>Stop</td>
</tr>
<tr>
<td><strong>REC</strong></td>
<td>VCR Record</td>
<td>—</td>
<td>PVR Record *1</td>
</tr>
<tr>
<td><strong>ASPECT</strong></td>
<td>TV/VCR</td>
<td>Aspect</td>
<td>Open/Close</td>
</tr>
<tr>
<td><strong>VCR/DVS CH</strong></td>
<td>Channel Down</td>
<td>Page Down</td>
<td>Slow Reverse</td>
</tr>
<tr>
<td></td>
<td>Channel Up</td>
<td>Page Up</td>
<td>Slow Forward</td>
</tr>
</tbody>
</table>

*1: Combination type
### Remote Control Code List

#### Codes for VCR

<table>
<thead>
<tr>
<th>Brand</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admiral</td>
<td>335</td>
</tr>
<tr>
<td>Aiwa</td>
<td>332</td>
</tr>
<tr>
<td>Akai</td>
<td>314, 315, 316, 329</td>
</tr>
<tr>
<td>Audio Dynamic</td>
<td>311, 339</td>
</tr>
<tr>
<td>Bell &amp; Howell</td>
<td>305, 313</td>
</tr>
<tr>
<td>Broksonic</td>
<td>320, 326</td>
</tr>
<tr>
<td>Canon</td>
<td>323, 325</td>
</tr>
<tr>
<td>Citizen</td>
<td>306</td>
</tr>
<tr>
<td>Craig</td>
<td>305, 306, 329</td>
</tr>
<tr>
<td>Curtis Mathes</td>
<td>324, 345</td>
</tr>
<tr>
<td>Daewoo</td>
<td>301, 324, 343</td>
</tr>
<tr>
<td>DBX</td>
<td>310, 311, 339</td>
</tr>
<tr>
<td>Dimensia</td>
<td>345</td>
</tr>
<tr>
<td>Emerson</td>
<td>303, 319, 320, 325, 326, 326, 343</td>
</tr>
<tr>
<td>Fisher</td>
<td>305, 307, 308, 309, 313</td>
</tr>
<tr>
<td>Funai</td>
<td>320, 326, 334</td>
</tr>
<tr>
<td>GE</td>
<td>324, 333, 345</td>
</tr>
<tr>
<td>Goldstar</td>
<td>306</td>
</tr>
<tr>
<td>Gradiente</td>
<td>334</td>
</tr>
<tr>
<td>Hitachi</td>
<td>300, 323, 345</td>
</tr>
<tr>
<td>Instant Replay</td>
<td>323, 324</td>
</tr>
<tr>
<td>Jensen</td>
<td>339</td>
</tr>
<tr>
<td>JVC</td>
<td>310, 311, 334, 339</td>
</tr>
<tr>
<td>Kenwood</td>
<td>300, 310, 311, 339</td>
</tr>
<tr>
<td>Magnavox</td>
<td>323, 324, 331</td>
</tr>
<tr>
<td>Marantz</td>
<td>310, 311, 339</td>
</tr>
<tr>
<td>Marta</td>
<td>306</td>
</tr>
<tr>
<td>Memorex</td>
<td>309, 324</td>
</tr>
<tr>
<td>MGA</td>
<td>338, 340, 341, 347, 348</td>
</tr>
<tr>
<td>Minolta</td>
<td>300, 345</td>
</tr>
<tr>
<td>Mitsubishi</td>
<td>338, 340, 341, 347, 348</td>
</tr>
<tr>
<td>Multitech</td>
<td>304, 347</td>
</tr>
<tr>
<td>NEC</td>
<td>310, 311, 334, 339</td>
</tr>
<tr>
<td>Olympic</td>
<td>323, 324</td>
</tr>
<tr>
<td>Optimus</td>
<td>306, 321, 328, 335</td>
</tr>
<tr>
<td>Orion</td>
<td>320, 326</td>
</tr>
</tbody>
</table>

#### Codes for Personal Video Recorders

<table>
<thead>
<tr>
<th>Brand</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panasonic Replay</td>
<td>100</td>
</tr>
<tr>
<td>Philips Tivo</td>
<td>101</td>
</tr>
<tr>
<td>Sony Tivo</td>
<td>102</td>
</tr>
</tbody>
</table>

#### Remote Control Operation/Code List

- Panasonic
  - 321, 322, 323, 324
- J.C. Penney
  - 300, 305, 310, 311, 324, 339, 345
- Pentax
  - 300, 311, 345
- Philips
  - 320, 323, 324, 326, 331, 333, 343, 345
- Pioneer
  - 323
- Proscan
  - 300, 301, 302, 323, 324, 331, 333, 345, 346
- Quasar
  - 321, 322, 323, 324
- Radio Shack
  - 305, 309, 324, 333, 336, 340
- RCA
  - 300, 301, 302, 323, 324, 331, 333, 345, 346
- Realistic
  - 305, 309, 324, 333, 340
- Samsung
  - 302, 304, 333
- Sansui
  - 320, 326, 339, 352
- Sanyo
  - 305, 309, 313
- Scott
  - 301, 302, 304, 309, 320, 326, 338, 340, 347, 348
- Sears
  - 300, 305, 306, 307, 308
- Sharp
  - 335, 336
- Shintom
  - 317
- Signature 2000
  - 335
- Singer
  - 317
- Sony
  - 328, 329, 330
- Sylvania
  - 323, 324, 331
- Tashiro
  - 306
- Tatung
  - 310, 311, 339
- Teac
  - 310, 311, 339
- Technics
  - 321, 322, 323, 324
- Teknika
  - 324
- Toshiba
  - 301, 346
- Vector Research
  - 311
- Wards
  - 306, 309, 335, 336, 344
- Yamaha
  - 305, 310, 311, 339
- Zenith
  - 306, 344
# Remote Control Operation/Code List

## Codes for Cable Box

<table>
<thead>
<tr>
<th>Brand</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABC</td>
<td>224</td>
</tr>
<tr>
<td>Archer</td>
<td>225, 232</td>
</tr>
<tr>
<td>Cableview</td>
<td>205, 232</td>
</tr>
<tr>
<td>Citizen</td>
<td>205, 222</td>
</tr>
<tr>
<td>Curtis</td>
<td>212, 213</td>
</tr>
<tr>
<td>Diamond</td>
<td>224, 225, 232</td>
</tr>
<tr>
<td>Eagle</td>
<td>229</td>
</tr>
<tr>
<td>Eastern</td>
<td>234</td>
</tr>
<tr>
<td>GC Brand</td>
<td>205, 232</td>
</tr>
<tr>
<td>Gemini</td>
<td>222</td>
</tr>
<tr>
<td>General Instrument/Jerrold</td>
<td>211, 219, 220, 221, 222, 223, 224, 225, 226, 227</td>
</tr>
<tr>
<td>Hamlin</td>
<td>212, 218, 240, 241, 242, 245</td>
</tr>
<tr>
<td>Hitachi</td>
<td>203, 224</td>
</tr>
<tr>
<td>Macom</td>
<td>203, 204, 205</td>
</tr>
<tr>
<td>Magnavox</td>
<td>233</td>
</tr>
<tr>
<td>Memorex</td>
<td>230</td>
</tr>
<tr>
<td>Movietime</td>
<td>205, 232</td>
</tr>
<tr>
<td>Oak</td>
<td>202, 237, 239</td>
</tr>
<tr>
<td>Panasonic</td>
<td>209, 210, 214</td>
</tr>
<tr>
<td>Philips</td>
<td>206, 207, 228, 229, 230</td>
</tr>
<tr>
<td>Pioneer</td>
<td>201, 216</td>
</tr>
</tbody>
</table>

## Codes for DBS

<table>
<thead>
<tr>
<th>Brand</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dish Network</td>
<td>105, 115, 116</td>
</tr>
<tr>
<td>Echo Star (Echostar)</td>
<td>105</td>
</tr>
<tr>
<td>Express VU</td>
<td>105, 115</td>
</tr>
<tr>
<td>G.E.</td>
<td>106</td>
</tr>
<tr>
<td>G.I. (General Instrument)</td>
<td>108</td>
</tr>
<tr>
<td>Gradiente</td>
<td>114</td>
</tr>
<tr>
<td>Hitachi</td>
<td>103, 111, 112</td>
</tr>
<tr>
<td>HNS (Hughes)</td>
<td>103</td>
</tr>
<tr>
<td>Magnavox</td>
<td>101, 102</td>
</tr>
</tbody>
</table>

## Codes for DVD

<table>
<thead>
<tr>
<th>Brand</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Denon</td>
<td>100</td>
</tr>
<tr>
<td>Ferguson</td>
<td>101</td>
</tr>
<tr>
<td>JVC</td>
<td>109</td>
</tr>
<tr>
<td>Mitsubishi</td>
<td>105</td>
</tr>
<tr>
<td>Nordmende</td>
<td>101</td>
</tr>
<tr>
<td>Panasonic</td>
<td>100</td>
</tr>
<tr>
<td>Philips</td>
<td>103</td>
</tr>
<tr>
<td>Pioneer</td>
<td>102</td>
</tr>
<tr>
<td>RCA</td>
<td>101</td>
</tr>
</tbody>
</table>

## Codes for DVD (Remote Control Operation/Code List)

<table>
<thead>
<tr>
<th>Brand</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saba</td>
<td>101</td>
</tr>
<tr>
<td>Samsung</td>
<td>110</td>
</tr>
<tr>
<td>Sharp</td>
<td>108</td>
</tr>
<tr>
<td>Sony</td>
<td>104</td>
</tr>
<tr>
<td>Technics</td>
<td>100</td>
</tr>
<tr>
<td>Thomson</td>
<td>101</td>
</tr>
<tr>
<td>Toshiba</td>
<td>103</td>
</tr>
<tr>
<td>Yamaha</td>
<td>100</td>
</tr>
<tr>
<td>Zenith</td>
<td>107</td>
</tr>
</tbody>
</table>
Ratings List for Channel Lock

"V-chip" technology enables you to lock out channels or shows according to standard ratings set by the entertainment industry. (p. 17)

### U.S. MOVIE RATINGS (MPAA)

<table>
<thead>
<tr>
<th>Age-based Group</th>
<th>Possible Content Selections</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>NO RATING (NOT RATED) AND NA (NOT APPLICABLE) PROGRAMS. Movie has not been rated or rating does not apply.</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>GENERAL AUDIENCES. All ages admitted.</td>
<td></td>
</tr>
<tr>
<td>PG</td>
<td>PARENTAL GUIDANCE SUGGESTED. Some material may not be suitable for children.</td>
<td></td>
</tr>
<tr>
<td>PG-13</td>
<td>PARENTS STRONGLY CAUTIONED. Some material may be inappropriate for children under 13.</td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>RESTRICTED. Under 17 requires accompanying parent or adult guardian.</td>
<td></td>
</tr>
<tr>
<td>NC-17</td>
<td>NO ONE 17 AND UNDER ADMITTED.</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>ADULTS ONLY.</td>
<td></td>
</tr>
</tbody>
</table>

### U.S. TV PROGRAMS RATINGS (U. S. T. V)

<table>
<thead>
<tr>
<th>Age-based Group</th>
<th>Possible Content Selections</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR (Not Rated)</td>
<td>Viewable, Blocked</td>
<td>Not Rated.</td>
</tr>
<tr>
<td>Youth</td>
<td>Viewable, Blocked</td>
<td>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.</td>
</tr>
<tr>
<td>Guidance</td>
<td>D,L,S,V (all selected)</td>
<td>Parental guidance suggested. The program may contain infrequent coarse language, limited violence, some suggestive sexual dialogue and situations.</td>
</tr>
<tr>
<td>TV-14</td>
<td>D,L,S,V (all selected)</td>
<td>Parents strongly cautioned. This program may contain sophisticated themes, sexual content, strong language and more intense violence.</td>
</tr>
<tr>
<td>TV-MA</td>
<td>D,L,S,V (all selected)</td>
<td>Mature audiences only. This program may contain mature themes, profane language, graphic violence, and explicit sexual content.</td>
</tr>
</tbody>
</table>


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

<table>
<thead>
<tr>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>Exempt - Exempt programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.</td>
</tr>
<tr>
<td>C</td>
<td>Programming intended for children under age 8. No offensive language, nudity or sexual content.</td>
</tr>
<tr>
<td>C8+</td>
<td>Programming generally considered acceptable for children 8 years and over. No profanity, nudity or sexual content.</td>
</tr>
<tr>
<td>G</td>
<td>General programming, suitable for all audiences.</td>
</tr>
<tr>
<td>PG</td>
<td>Parental Guidance suggested. Some material may not be suitable for children.</td>
</tr>
<tr>
<td>14+</td>
<td>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.</td>
</tr>
<tr>
<td>18+</td>
<td>18+ years old. Programming restricted to adults. Contains constant violence or scenes of extreme violence.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>Exempt - Exempt programming.</td>
</tr>
<tr>
<td>G</td>
<td>General - Programming intended for audience of all ages. Contains no violence, or the violence content is minimal or is depicted appropriately.</td>
</tr>
<tr>
<td>8 ans+</td>
<td>8+ General - Not recommended for young children. Programming intended for a broad audience but contains light or occasional violence. Adult supervision recommended.</td>
</tr>
<tr>
<td>13 ans+</td>
<td>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.</td>
</tr>
<tr>
<td>16 ans+</td>
<td>Programming may not be suitable for children under the age of 16 - Contains frequent scenes of violence or intense violence.</td>
</tr>
<tr>
<td>18 ans+</td>
<td>Programming restricted to adults. Contains constant violence or scenes of extreme violence.</td>
</tr>
</tbody>
</table>
Technical Information

Closed Caption (CC)

- The closed caption is not displayed when you use HDMI connection.
- If analog connected equipment is used for displaying or recording, closed caption (CC) should be set On/Off on the connected equipment.

The CC mode setting of the TV will not affect the analog input.
If CC is set to On on both the connected equipment and the TV, captions from each unit will overlap.

Aspect Ratio

Let you choose the aspect depending on the format of the received signal and your preference. (p. 10) (e.g.: in case of 4:3 image)

- **FULL**
  - Enlarges the 4:3 image horizontally to the screen’s side edges.
  - (Recommended for anamorphic picture)

- **JUST**
  - Stretches to justify the 4:3 image to the four corners of the screen.
  - (Recommended for normal TV broadcast)

- **H-FILL**
  - Enlarges the 4:3 image horizontally to the screen’s side edges.
  - The side edges of the image are cut off.

- **ZOOM**
  - 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 or 4:3
- When the signal is 720p/1080i, the aspect mode automatically defaults to Full after turning off the TV, after changing input mode, or after changed signal resolution other than 720p/1080i.

**Zoom adjust**

- Select “Zoom adjust” on the “Picture” menu. (p. 12-13)
- V-Position: Vertical position adjustment
- Size: Vertical size adjustment

- To reset the aspect ratio 

(OK)
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 equipment.

- 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 in” menu screen. (p. 12-13)

Applicable audio signal sampling frequencies (L.PCM): 48 kHz, 44.1 kHz, 32 kHz

(*1): The HDMI logo is displayed on an HDMI-compliant equipment.

(*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 equipment has an aspect adjustment function, set the aspect ratio to “16:9”.
- This HDMI connector is “type A”.
- Equipment 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 and 1080i
  Match the output setting of the digital equipment.
- 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

<table>
<thead>
<tr>
<th>horizontal frequency (kHz)</th>
<th>vertical frequency (Hz)</th>
<th>COMPONENT</th>
<th>HDMI</th>
</tr>
</thead>
<tbody>
<tr>
<td>525 (480) / 60i</td>
<td>15.73</td>
<td>59.94</td>
<td>*</td>
</tr>
<tr>
<td>525 (480) / 60p</td>
<td>31.47</td>
<td>59.94</td>
<td>*</td>
</tr>
<tr>
<td>750 (720) / 60p</td>
<td>45.00</td>
<td>59.94</td>
<td>*</td>
</tr>
<tr>
<td>1,125 (1,080) / 60i</td>
<td>33.75</td>
<td>59.94</td>
<td>*</td>
</tr>
</tbody>
</table>

Note

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

Pic. mode

- Vivid (default): 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.
Maintenance

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 a weak detergent solution 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 thinners; 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 detergent solution 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 detergent 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.

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 guidelines to resolve the problem. If problem still persists, please contact your local Panasonic dealer or Panasonic Servicenter for assistance. For details (p. 32, 34)

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 aerial.

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

- Is the HDMI cable connected properly? (p. 20-21, 27)
- Turn Off the TV unit and equipment, then turn them On again.
- Check an input signal from the equipment. (p. 27)
- Use equipment compliant with EIA/CEA-861/861B.

The remote control does not work

- Are the batteries installed correctly? (p. 6)
- Has the battery run down?
- To operate external equipment of other manufacturers, register the remote control codes. (p. 18, 23-24)
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).

<table>
<thead>
<tr>
<th>Symptoms</th>
<th>Checks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Picture</strong></td>
<td><strong>Sound</strong></td>
</tr>
<tr>
<td>Snowy Picture</td>
<td>Noisy Sound</td>
</tr>
<tr>
<td>Multiple Images</td>
<td>Normal Sound</td>
</tr>
<tr>
<td>Interference</td>
<td>Noisy Sound</td>
</tr>
<tr>
<td>Normal Picture</td>
<td>No Sound</td>
</tr>
<tr>
<td>No Picture</td>
<td>No Sound</td>
</tr>
<tr>
<td>No color</td>
<td>Normal Sound</td>
</tr>
<tr>
<td>Poor or Distorted Picture</td>
<td>Weak or No Sound</td>
</tr>
<tr>
<td>Normal Picture</td>
<td>Weak, Wrong or No Sound</td>
</tr>
<tr>
<td>Cannot operate with the remote control.</td>
<td></td>
</tr>
<tr>
<td>The main unit is hot.</td>
<td></td>
</tr>
<tr>
<td>There may be red spots, blue spots, green spots and black spots on the screen.</td>
<td></td>
</tr>
<tr>
<td>“Control with HDMI” function does not work</td>
<td>Switch the TV unit on again with the equipment on. Set “Control with HDMI” to “Off”, then set to “On” again. (p. 19)</td>
</tr>
</tbody>
</table>
## Specifications

<table>
<thead>
<tr>
<th>Power Source</th>
<th>TC-23LX60</th>
<th>TC-26LX60C</th>
<th>TC-26LX60L</th>
<th>TC-32LX60C</th>
<th>TC-32LX60L</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Consumption</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average use</td>
<td>92 W</td>
<td>107 W</td>
<td>105 W</td>
<td>122 W</td>
<td>118 W</td>
</tr>
<tr>
<td>Maximum Current</td>
<td>1.8 A</td>
<td>2.1 A</td>
<td>1.3 A</td>
<td>2.3 A</td>
<td>1.5 A</td>
</tr>
<tr>
<td>Standby condition</td>
<td>0.6 W</td>
<td>0.6 W</td>
<td>0.6 W</td>
<td>0.6 W</td>
<td>0.6 W</td>
</tr>
<tr>
<td><strong>Aspect Ratio</strong></td>
<td>16:9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Visible screen size</strong></td>
<td>23.0 &quot; × 11.3 &quot; × 23.0 &quot;</td>
<td>22.7 &quot; × 12.8 &quot; × 26.0 &quot;</td>
<td>27.5 &quot; × 14.5 &quot; × 31.5 &quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(W × H × Diagonal)</td>
<td>(58.3 cm × 286 mm × 583 mm)</td>
<td>(576 mm × 324 mm × 661 mm)</td>
<td>(698 mm × 392 mm × 800 mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(No. of pixels)</td>
<td>1,049,088 (1,366 (W) × 768(H))</td>
<td>[4,098 × 768 dots]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sound</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Speaker</strong></td>
<td>2.36 &quot; × 4.7 &quot; (60 mm × 120 mm)</td>
<td>Full-range × 2 pcs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Audio Output</strong></td>
<td>8 W [ 4 W + 4 W ] (10 % THD)</td>
<td>20 W [ 10 W + 10 W ] (10 % THD)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Headphones</strong></td>
<td>M3 (3.5mm) Jack × 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Channel Capability</strong></td>
<td>VHF/UHF: 2--69, CATV: 1-125</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Operating Conditions</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>41 °F – 95 °F (5 °C – 35°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humidity</td>
<td>5 % - 90 % RH (non-condensing)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Connection Terminals</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INPUT 1-2</strong></td>
<td>VIDEO : RCA PIN Type × 1, 1.0 V [p-p] (75 Ω)</td>
<td>[75 Ω]</td>
<td>[75 Ω]</td>
<td>[75 Ω]</td>
<td>[75 Ω]</td>
</tr>
<tr>
<td></td>
<td>S VIDEO : Mini DIN 4-pin Y: 1.0 V [p-p] (75 Ω) C: 0.286 V [p-p] (75 Ω)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AUDIO L - R : RCA PIN Type × 2, 0.5 V [rms]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INPUT 3</strong></td>
<td>VIDEO : RCA PIN Type × 1, 1.0 V [p-p] (75 Ω)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AUDIO L - R : RCA PIN Type × 2, 0.5 V [rms]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>COMPONENT VIDEO INPUT</strong></td>
<td>Y, Pb, Pr : 1.0 V [p-p] (including synchronization)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AUDIO L-R : RCA PIN Type × 2, 0.5 V [rms]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HDMI AUDIO IN</strong></td>
<td>TYPE A Connector × 1</td>
<td>RCA PIN Type × 2, 0.5 V [rms]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AUDIO L - R : RCA PIN Type × 2, 0.5 V [rms]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OUTPUT</strong></td>
<td>VIDEO : RCA PIN Type × 1, 1.0 V [p-p] (75 Ω)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AUDIO L - R : RCA PIN Type × 2, 0.5 V [rms]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FEATURES</strong></td>
<td>3D Y/C Digital Comb Filter, CLOSED CAPTION, V-Chip</td>
<td>Vesa compatible</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HDMI</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Dimensions

**Including TV stand**

- TC-23LX60: 22.2 " × 16.2 " × 4.7 " (565 mm × 453 mm × 260 mm)
- TC-26LX60C / TC-26LX60L: 25.9 " × 18.6 " × 4.6 " (657 mm × 473 mm × 119 mm)
- TC-32LX60C / TC-32LX60L: 31.1 " × 22.2 " × 4.6 " (791 mm × 563 mm × 119 mm)

**TV Set only**

- TC-23LX60: 22.2 " × 15.0 " × 19.8 " (565 mm × 382 mm × 504 mm)
- TC-26LX60C / TC-26LX60L: 25.9 " × 11.8 " × 19.8 " (657 mm × 300 mm × 504 mm)
- TC-32LX60C / TC-32LX60L: 31.1 " × 9.1 " × 19.8 " (791 mm × 240 mm × 504 mm)

**Weight**

- TC-23LX60: 24.2 lb. (11.0 kg) NET
- TC-26LX60C / TC-26LX60L: 34.1 lb. (15.5 kg) NET
- TC-32LX60C / TC-32LX60L: 41.8 lb. (19.0 kg) NET

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**Note**

Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.
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 Sales Company (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.

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:
For assistance in Puerto Rico call Panasonic Sales Company (787)-750-4300 or fax (787)-768-2910.

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 Servicenter 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 Servicenter. 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 Servicenter; 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:
1-800-211-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.pasc.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 Services 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.

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Service Type</th>
<th>Warranty Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plasma TV / Monitor</td>
<td>In-home service</td>
<td>One (1) year, parts (including Plasma Panel) and labour.</td>
</tr>
<tr>
<td>LCD TV (26 in &amp; over)</td>
<td>In-home service</td>
<td>One (1) year, parts (including LCD Panel) and labour.</td>
</tr>
<tr>
<td>LCD TV (25 in &amp; under)</td>
<td>Carry-in service only</td>
<td>One (1) year, parts (including LCD Panel) and labour.</td>
</tr>
</tbody>
</table>

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: Telephone #: (905) 624-5505
1-800 #: 1-800-561-5505
Fax #: (905) 238-2360
Email link: “Customer support” on www.panasonic.ca

FOR PRODUCT REPAIRS, please locate your nearest Authorized Servicentre at www.panasonic.ca:

Link: “Servicentres™ locator” under “Customer support”

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.
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 Puerto Rico Inc. (“PSC”) Ave. 65 de Infanteria, Km 9.5 San Gabriel Industrial Park, Carolina, Puerto Rico 00985

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