Panasonic

Model No.

TC-L32XM6X/TC-L32XM6P
TC-L39EM6X

Operating Instructions
LCD TV

VIErA

Standard accessories

☑ Check that you have the accessories and items shown

☐ Remote Control N2QAYB000820

☐ Pedestal

☐ Power cord

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

☐ Assembly screws (4 of each)

Ⓐ   Ⓑ

☐ Operating Instructions

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.

For additional assistance, visit us at:
(LATIN)   www.panasonic-la.com

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE   **DOLBY DIGITAL**

dts 2.0+Digital Out

HDA70E3222I

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Contents

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Safety Precautions

⚠ **CAUTION**
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING: To reduce the risk of electric shock, do not remove cover or back. No user-serviceable parts inside. Refer servicing to qualified service personnel.

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

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

Note to CATV System Installer

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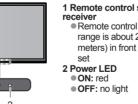
Secure Ventilation

Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to ensure reliable operation of the LCD TV and to protect it from overheating. These openings must not be blocked or covered. There should be at least 10 cm of space 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.

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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
ANTENNA LEAD-IN WIRE
GROUND CLAMP
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, 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.**

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24) **WARNING:**
To prevent the spread of fire, keep candles or other open flames away from this product at all times.
25) **WARNING: A warning that batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.**
26) **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).

27) **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.
28) **CAUTION:** USE WITH OTHER STAND MAY RESULT IN INSTABILITY POSSIBLY CAUSING INJURY.
29) **CAUTION:** DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE.

Attaching the pedestal to TV

■ Set-up
● Fix securely with assembly screws Ⓐ. (Total 4 screws)
● Tighten screws firmly.
● Tighten assembly screws Ⓑ (total 4 screws) loosely at first, then tighten them firmly to fix securely.

Rear side
Protrusion of Neck (Bottom)
Bracket
Arrow mark
Ⓐ
Front
Base
Arrow mark
Base
Bracket
Hole for pedestal installation
Work on a flat surface

Secure the base as shown below to prevent the TV from falling over.
• The place where the base is secured should be thick enough and made of hard material.
Commercially available screw (not supplied)
Diameter: 3 mm
Length: 25 - 30 mm

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 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.

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Optional accessories

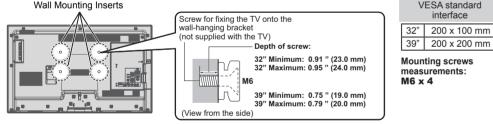**Wall-hanging bracket (not supplied)**
Use the screws that are threaded into the stand-mounting inserts on the back of your LCD TV to secure it to a Wall Mounting kit.
It is safe to use long screws for this product.
When using long screws, the two bottom screws may loosen, but the top two will remain tightly in place to secure the mounted TV.

Wall Mounting Inserts
Screw for fixing the TV onto the wall-mounting bracket (not supplied with the TV)

	VESA standard interface
32"	200 x 100 mm
39"	200 x 200 mm

Depth of screw:
32" Minimum: 0.91 " (23.0 mm)
32" Maximum: 0.95 " (24.0 mm)
M6
39" Minimum: 0.75 " (19.0 mm)
39" Maximum: 0.79 " (20.0 mm)
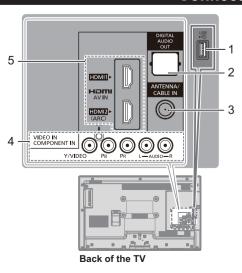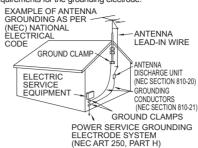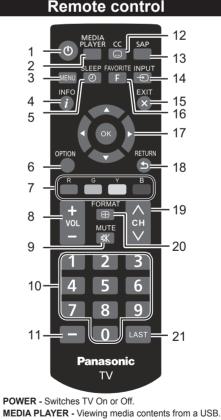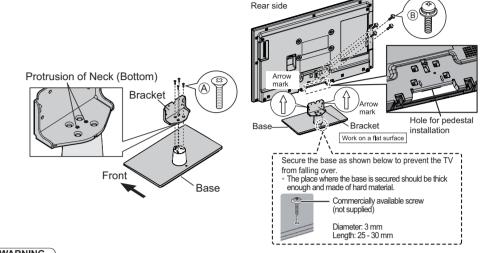(View from the side)

Mounting screws measurements: M6 x 4

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.

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 press against the wall when the TV is tilted forward.
● For safety reasons, remove units no longer being used from their wall-mounted locations.

Connection Panels

1 USB port
2 DIGITAL AUDIO OUT
3 ANTENNA / CABLE IN
4 Video IN / COMPONENT IN
5 HDMI 1 - 2

Back of the TV

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AV cable connection

Best ↑ **Picture Quality** ↓ **Basic (Not HD)**

Ⓐ **To use HDMI terminals**

HDMI AV OUT
HDMI-DVI Conversion cable
DVI OUT
AUDIO OUT

AV Equipment e.g. Blu-ray Disc player
AV Equipment e.g. Blu-ray Disc player

Ⓑ **To use COMPONENT input terminals**

VIDEO IN COMPONENT IN
Y/VIDEO
green - green
blue - blue
red - red
red - red
white - white
red - red

COMPONENT VIDEO OUT
AUDIO OUT

AV Equipment e.g. Blu-ray Disc player

Ⓒ **To use VIDEO input terminals**

VIDEO IN COMPONENT IN
Y/VIDEO
yellow - yellow
white - white
red - red

COMPOSITE VIDEO OUT
AUDIO OUT

AV Equipment e.g. DVD Recorder
or
e.g. VCR

Audio connection

● Listen to your TV through your stereo

DIGITAL AUDIO OUT
Optical cable
DIGITAL AUDIO IN
Stereo System
e.g. Amplifier

Audio ARC connection

● Listen to your TV through your HDMI AMP

HDMI AV IN
HDMI TV OUT
HDMI cable
Amplifier with Speaker system

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Using Controls on the TV

1 Changes the input mode
● Chooses menu and submenu entries, and returns (Press and hold down for MENU function)
2 Channel up/down
3 Volume up/down
4 Power button

Indicators on the TV

1 Remote control signal receiver
● Remote control sensor range is about 23 feet (7 meters) in front of the TV set
2 Power LED
● ON: red
● OFF: no light

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.

Power cord connection

Insert the power cord plug (included) firmly into place.
● When disconnecting the power cord, be absolutely sure to disconnect the power cord plug from the wall outlet first.
● The included power cord is for this product only. Do not use it with other equipment.

Installing the remote's batteries

1 Pull open
Hook

2 Close
Note the correct polarity (+ or -).

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

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Remote control

1 **POWER** - Switches the TV On or Off.
2 **MEDIA PLAYER** - Viewing media contents from a USB.
3 **MENU** - Press to display the menu screen .
4 **INFO** - Displays TV status information as well as program details.
5 **SLEEP** - Accesses the sleep timer.
6 **OPTION** - Displays Options menu for special functions (when available)
7 **COLOR KEY** - Red/Green/Yellow/Blue key for various function.
8 **Volume Up / Down (VOL+ / -)** - Press to decrease or increase the audio volume.
9 **MUTE** - Turns off/on the sound.
10 **Channel Numbers** - Directly tune channels.
11 **－** - Use for digital channels.
12 **CC** - Switches the Closed Caption mode On or Off.
13 **SAP** - Select the Audio mode for watching TV. (SAP : Secondary Audio Programming).
14 **INPUT** - Select input sources "ANT/Cable in", "HDMI 1", "HDMI 2", "Component", "Video" by pressing INPUT button on Remote Control.
15 **EXIT** - Exit from the menu screen.
16 **FAVORITE** - Accesses the favorite channels.
17 **OK / ▲ / ▼ ◄ ►** - Selects/OK/Change.
18 **RETURN** - Press to return to previous menu.
19 **Channel Up / Down (CH ∧ / ∨)** - Press to switch to the last or next channel.
20 **FORMAT** - To cycle through the aspect ratio modes.
21 **LAST** - Switches to previously viewed channel or input.

Panasonic TV

First Time Setup

First time setup screen is only displayed automatically after the power cord is inserted into a wall outlet and the TV is turned on for the first time.

■ Turn the TV On with the "POWER" button

■ Select your language
● English/Español/Français

■ Set viewing mode
1 Select your viewing mode (Be sure to select "**Home use**").
2 Please confirm your selection (**Home use**) before pressing the **OK** button.
● If you select " Store demonstration" by mistake in "Set viewing mode", confirmation screen will be displayed.
  • Select "No" and return to previous screen "Set viewing mode".
  • 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**", perform "**Reset to defaults**" in the "**Setup**" menu.
  • If you perform "Reset to defaults", please do not unplug the AC Cord while the TV is being reset.

■ ANT/Cable setup (Auto channel setup)
1 Select signal type "Over-the-Air" or "Cable service".
2 Select "**Auto program**" and start scanning, the channel scanning starts.

■ Finished First time setup.
Congratulations! Setup is complete.

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.

Note:
● If you turn the TV off before completing "First time setup", the initial setup will not launch again the next time you power on the unit.
● You can repeat "First time setup" by selecting "Reset to defaults" in the "Setup" menu.
● After "First time setup", you can also change "Language" and "ANT/Cable setting" from the "Setup" and "TV" menus respectively.
● About broadcasting systems
  Analog (NTSC): Conventional broadcasting
  Digital (ATSC): Digital TV Standards include digital high-definition television (HDTV), standard-definition television (SDTV), data broadcasting, multi-channel surround sound audio and interactive television.

Watching TV

■ Turn power on
● Select correct input.

■ Select a channel number
To directly enter the digital channel number
Also press CH ∧ / CH ∨ buttons on Side Controls or CH ∧ / CH ∨ buttons on Remote Controls to select programs.
● Press CH ∧ button to select next channel.
● Press CH ∨ button to select previous channel.
For Cable/Satellite box connection-
Use your connected box's remote control.

Note:
● Reselect "Cable" or "Antenna" in "ANT in" of "TV" settings menu to switch the signal reception between cable TV and antenna.
● The channel number and volume level remain the same even after the TV is turned off.

Listen with SAP (Secondary Audio Programming)

■ Select the Audio mode for watching TV
Digital mode
Press [SAP] to select next Audio track (if available) when receiving a digital channel.
Analog mode
Press [SAP] to select the desired Audio mode.
● Each press of [SAP] will change the Audio mode.
  ("Stereo" / "SAP" / "Mono")
● The selected mode is only set for the program you are watching at the moment.
● SAP is not available when watching TV with a Cable or Satellite box connected via HDMI.
● Contact your Cable or Satellite operator for instructions on enabling SAP with their box.

Closed Caption (CC)

■ Press [CC] to select the CC1/CC2/CC3/ CC4, receiving mode and CC setting in menu.
● The selected mode is only set for the program you are watching at the moment.
● Closed Caption is not available when watching TV with a Cable or Satellite box connected via HDMI.
● Contact your Cable or Satellite operator for instructions on enabling CC with their box.
● The CC service is depend on the input signal.

Displaying information

■ Displays or hides information. Shows the channel banner when watching programs via the Antenna/Cable input.

Channel   Program   Program duration   SAP Indication

14-1
ABC-HD   The News 480i
TV-G   7:00 AM - 8:00 AM

Station identifier
Input signal   Rating level   Favorite channel   Closed Caption   Signal resolution
Visually impaired
Hearing impaired

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Display the "Options menu"

■ Press [OPTION] to show the "Options menu"

This menu consists of shortcuts to convenient functions.
This menu is only available when the TV is using the Antenna/Cable input, not when using Cable or Satellite box.

Channel surf mode
Specify favorites or type of channels to view when pressing the [◄ / ►] Left / Right] button.
● "All" / "Favorite" / "Digital only" / "Analog only"
"Favorite": Only channels registered as FAVORITE.

Signal meter
Check the signal strength if interference is found or freezing occurs on a digital image.
● If the signal is weak, check the antenna. If a problem is found, consult your local dealer.

Call up a Favorite channel

■ FAVORITE

Channel numbers registered in Favorite are displayed on the "Favorite list" screen. Select the desired channel with the up/down cursor.

To set Favorite channels
While viewing the channel that you want to set:
● "All" / "Favorite" / "Digital only" / "Analog only"
"Favorite": Only channels registered as FAVORITE.
● When watching a Favorite channel, the icon "♥" will be displayed on the channel banner.
● You can set up to 10 channels as Favorite.
● If you set a new channel in a used slot, the original Favorite channel will be deleted first then you can add a new one.
● You can set Favorite channels when using Cable or Satellite box.

To delete Favorite channels
● Select the channel you want to remove, then press OK button.
● The icon "♥" will be removed from the channel banner.

Password setting/entering

You need to enter the password when you access locked channel or inputs.

■ Input your 4-digit password
● If it is your first time entering the password, please enter "1234". This is the default password.
● **To change password** - Input the new 4-digit password twice.
● Make a note of your password. Do not forget it. (If you have forgotten your password, consult your local dealer.)
● When you select a locked channel, a message will be displayed that allows you to view the channel after you input your password.

Set the "Sleep timer"

The TV automatically goes into Standby after the selected period.

■ Press [SLEEP] repeatedly until the desired time appears.

Note:
● It is also possible to set the time from "Sleep timer" in the "Setup" menu.
● To cancel, set to "Off" or turn off the TV.
● When the remaining time is within 3 minutes, the remaining time will flash on screen.
● "Off " / "15" / "30" / "60" / "90" (minutes)

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. Press **MENU** button, the menu will be displayed.
2. Press ▲ ▼ buttons to select item desired.
3. Press ◄ ► buttons to adjust value.
4. Press **RETURN** button return to the previous menu.

■ 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] or [right cursor] to move to the menu items.

(example: "Picture" menu)

Select the menu

- Picture → Picture settings
- Audio → Audio settings
- Lock → Lock settings (Channel, Program, etc.)
- TV → TV settings (Tuning, Audio language, Preferred audio type)
- Setup → Setup (other settings)

Adjust or select a menu item

● Some items have submenus, press the [OK] button to enter the submenu.

Settings	Items	Option
Picture	Reset to defaults	Resets all picture adjustments to factory default settings.
	Picture mode	Vivid/Standard/Cinema/Game/Custom
	Back light	[Adjusts the luminance of the back light.]
	Contrast, Brightness, Color, Tint, Sharpness	[Adjusts the color, brightness, etc. for each picture mode to suit your preference]
	Color temp.	**Cool/Normal/Warm** • Selects a choice of Cool (blue), Normal, or Warm (red) color.
	A.I. picture	**Off/On** • Controls dark areas without affecting the black level or brightness in the overall picture.
	Video NR (DOT NOISE REDUCTION)	**Off/Weak/Medium/Strong** • Reduces noise, commonly called snow. Leave it off when receiving a strong signal. • Some menus are grayed out depending on the input signal or condition.
	Advanced picture	**3D Y/C Filter :** Minimizes noise and cross-color in the picture. **Color matrix :** Selects image resolution of component-connected devices. SD: Standard-Definition HD: High-Definition Only used with 480p video signal. **Black level :** Selects Dark or Light. Valid only for external input signals. **MPEG NR :** Reduces picture noise in MPEG-compressed video. • For Digital TV only **3:2 pulldown :** (Off/Auto) Adjusts the picture recorded in 24 fps for optimum quality. **Aspect adjustments :** **Screen format** (FULL/4:3/JUST/ZOOM/H-FILL) Changes the format (aspect ratio). Lets you choose the aspect depending on the format of received signal. **H size** (Size1/Size2) 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. **HD size** (Size1/Size2) 1: Displays 95% of HD signal, to trim noise at the edges of the screen. 2: Full image. **Zoom adjustments** (V-position/V-size) Adjusts vertical alignment and size when aspect setting is "Zoom"

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Settings	Items	Option
Audio	Reset to defaults	Resets all audio adjustments to factory default settings.
	Bass	[Increases or decreases the bass response.]
	Treble	[Increases or decreases the treble response.]
	Balance	[Emphasizes the left / right speaker volume.]
	Surround	**Off/On** Enhances audio L/R response when listening to stereo.
	TV speakers	**Off/On** Switches to "Off" when using external speakers.Off: "Surround" does not work if "Off" is selected.
	Digital audio out	**Auto :** Bypass DTS signal if input source is DTS format, or fixed output to Dolby Digital besides DTS source. **PCM :** Digital output signal is fixed to PCM.
	Audio input	**HDMI1-2 in : Digital/Analog** Select audio input terminal when DVI cable is connected. (Analog audio input signal)

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

Settings	Items	Option
Lock		
	Mode	**Off :** Unlocks all the Lock settings of "Channel", "Program" and "Input". **All :** Locks all the inputs regardless of the Lock settings of "Channel", "Program" and "Input". **Custom :** Locks specified inputs of "Channel", "Program" and "Input".
	Channel (These channels will be blocked regardless of the program rating.)	[Select a channel to lock.]
	Program (To set a rating level)	**Mode: (Off/On)** Set program lock status. "V-chip" technology enables restricted shows to lock according to TV ratings. On: Set each rating level (U.S.TV Ratings, U.S. Movie Ratings, Canadian English ratings., Canadian French ratings.) **U.S.TV ratings/U.S. Movie ratings/Canadian English ratings/Canadian French ratings**
	Input	**HDMI1/HDMI2/Component/Video** Locks external inputs accordingly.
	Change password	[Changes 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 the 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.

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Settings	Items	Option
TV	ANT	Cable/Antenna
	Auto program	Automatically retune the channels received in the area.
	Manual Program	Set Analogue channel manually after Automatic Channel Search.
	MTS	Stereo/SAP/Mono
	Audio Language	English/Spanish/French
	Preferred audio type	**Main audio/Hearing impaired/Visually impaired** Narration settings for impaired users Hearing Impaired: Activates closed captioning when available on broadcasts. Visual Impaired: Activates the narration soundtrack when available on broadcasts. • For Digital TV only.

Settings	Items	Option
Setup	Language	English/Español/Français
	Timer set	**Sleep Timer : (Off/15/30/60/90 (minutes))** **No signal for 10 minutes : (Stay on/ Power TV off)** To conserve energy, the TV automatically turns off when NO SIGNAL and NO OPERATION continue for more than 10 minutes. **No activity for 3 hours : (Stay on/ Power TV off)** To conserve energy, the TV automatically turns off when no operation of remote and side panel key continues for more than 3 hours.
	Closed Caption	Displays subtitles (Closed caption)
	Input labels	You can label the terminal with the type of equipment connected to it.
	HDMI control	**CEC function : (Off/On)** On: The TV is turned on automatically and switches to the appropriate HDMI input whenever an HDMI connected equipment is initially turned on and the Play mode is selected. **Power off link (No/Yes)** On: When the TV is turned off, all HDMI connected equipment is also automatically turned off. • A Panasonic DVD Recorder will not turn off if it is still in Rec mode. • The TV remains on even if the HDMI connected equipment is turned off.
	About	Displays TV version and software license.
	Reset to defaults	Performing reset will clear all settings made in the "Setup" menu, such as channel settings. After reset, "First time setup" will launch when you next power on the TV.

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

Using Media player

Media player allows you to enjoy photos, videos or music recorded on a USB Flash Memory.

The picture may not appear correctly on this TV depending on the recording equipment used.

● Display may be delayed when there are many files and folders.
● Partly degraded files might be displayed at a reduced resolution.
● Picture settings may not take effect depending on the conditions.
● The folder and file names may be different depending on the digital camera or digital video camera used.

Starting Media Player

■ Insert the USB Flash Memory to the TV

● Insert the device ● Remove the device

Insert straight in / Pull straight out

● Media player only supports USB Mass storage class devices.

COMPLIANCE:
- Supports only USB1.1 or USB2.0 standard.
- Supports file format of FAT16 or FAT32.
- Maximum USB capacity supported is 32GB.
- USB Hub or card adapter is not supported.

Viewing Contents

■ Start Media Player
MEDIA PLAYER

■ Select the contents

■ Select the data [Photos] / [Music] / [Videos]
How to view the data differs depending on data storage conditions.
1. Select Title/Folder
2. Select file

■ View or play
Thumbnail / Playback view image and operation differ depending on selected contents.

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Photos view

Supported file format ⇒ (p.13)
The thumbnail of all the photos in the USB Flash Memory will be displayed.

Operation guide

[View select]
1. Display the viewing mode selection screen
2. Select the view type
   Folders

● Folder view: Displays the thumbnails grouped by folders
3. Select folder view to display the thumbnails of the selected group

• To return to the thumbnail of all photos

[Slideshow settings]

Supported file format ⇒ (p.13)

1. Display the "Slideshow settings" screen
2. Select the items and set

■ Transition effect
Effect for photo switching during slideshow. **[None] / [Dissolve] / [Wipe →] / [Wipe ←] / [Wipe ↑] / [Wipe ↓] / [Box in] / [Box out] / [Random]**

■ Photo size
Selects enlarged or normal viewing mode on Single view and Slideshow. **[Normal] / [Zoom]**
• Depending on the photo size, the photo may not be enlarged.

■ Display interval
Sets the interval for each image to be displayed in the Slideshow mode. **[5] / [10] / [15] / [30] / [60] / [90] / [120]** (seconds)

■ Repeat
Turn the slideshow repeat (cycle) function on or off. **[Off] / [On]**

■ Background music
Selects the background music during Photo mode **[Off] / [Type1] / [Type2] / [Type3]**
• [Type1], [Type2] and [Type3] are the fixed music each installed in this TV.

Note:
● Picture quality may suffer depending on the slideshow settings.
● Picture setting may not work depending on the slideshow settings.

Features
● Slideshow → R
● View select → G
● Drive select → Y
● Media select → B

ℹ️ : Error display
Displays data information (file name, date, size, etc.) and differs depending on selected data.

Videos view

Supported file format ⇒ (p.13)
The thumbnail of all the Videos in the USB Flash Memory will be displayed.
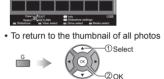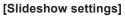
Operation guide

Features
● Play folder → R
● Drive select → Y
● Media select → B
● Aspect change → FORMAT

[Video options]
1. Display the "Video options" screen
2. Set the play repeat function to your preference
   ● Repeat ("Off" / "On")

Music play

Supported file format ⇒ (p.13)
Music folders in the USB Flash Memory will be displayed.

Operation guide

Features
● Play folder → R
● Drive select → Y
● Media select → B

[Music options]
1. Display the "Music options" screen
2. Set the play repeat mode to your preference
   ● Repeat ([Off] / [One] / [Folder])

[Other settings in Media player]
1. Display the menu
   MENU
2. Select the "Picture" item
3. Set

■ Adjust the Picture and Audio

● Some items are grayed out to indicate that these items are not available. Availability depends on the contents you are enjoying.

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Supported file format in Media Player

■ Photos

Format	File extension	Image resolution (pixel)	Details / Restrictions
JPEG	.jpg .jpeg	Baseline jpeg: 4 × 4 to 15,360 × 8,640 Progressive jpeg: 4 × 4 to 4,000 × 4,000	DCF and EXIF standards Sub-sampling: 4:4:4, 4:2:2, 4:2:0 ● Progressive JPEG is not supported.

■ Videos

Container	File extension	Video codec	Audio codec	Details / Restrictions
AVI <4 ref frame	.avi	H.264 BP/MP/HP MPEG4 SP/ASP	MP3 MPEG1 Layer1/2 AC3	---
MKV	.mkv	H.264 BP/MP/HP	MP3 MPEG1 Layer1/2 DTS Core AC3	---
ASF	.asf .wmv	VC-1 Windows Media Video Ver. 9	Windows Media Audio v8 Windows Media Audio v9 MP3 AC3	● Copy-protected files cannot be played back.
MP4	.mp4 .m4v	H.264 BP/MP/HP	MP3	● This TV supports this container recorded by Panasonic products. For details, read the manual of the products
TS	.ts .tp .trp	MPEG2 MP@HL H.264 BP/MP/HP	MP3 AC3	---
PS	.mpg .mpeg .vro .vob	MPEG1 MPEG2 MP@HL	MP3 MPEG1 Layer1/2 DVD LPCM AC3	---
FLV	.flv .f4v	H.264 BP/MP/HP	MP3	---

■ Music

Codec	File extension	Restrictions
MP3	.mp3	Compatible con tasa de bits ● 32/40/48/56/64/80/96/112/128/160/192/224/256/320kbits/s ● VBR no support
WMA	.wma	● Copy-protected files cannot be played back ● WMA Lossless is not supported.

Note:
● Some files may not be played back even if they fulfill these conditions.
● Do not use two-byte characters or other special codes for data.
● The device may become unusable with this TV if the file or folder names are changed.
● The picture may not appear correctly on this TV depending on the recording equipment used.
● Display may take some time when there are many files and folders.
● The function cannot display Motion JPEG and still image not DCF formatted (i.e. TIFF, BMP).
● Data modified with a PC may not be displayed.
● Images imported from a PC must be compatible with EXIF 2.0, 2.1 and 2.2.
● Partly degraded files might be displayed at a reduced resolution.
● All ".JPG" extension data in the USB flash memory will be read in Photo viewer Mode.
● The folder and file names may be different depending on the digital camera used.

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Specifications

Power rating
AC 110-127 V, 60 Hz
Rated Power Consumption
32" : 56 **Watts** ; 39" : 56 **Watts**
Standby condition
32" : 0.3 **Watts** ; 39" : 0.3 **Watts**
Visible screen size (diagonal)
32" class : 31.5inch (80cm)
39" class : 38.5inch (98cm)
Number of pixels
32" HD (1366X768)
39" FHD (1920X1080)
Dimensions (W × H × D) (Including Stand)
32" : 29.2" × 20.2" × 8.2" (741 mm × 513 mm × 207 mm)
39" : 35.1" × 23.4" × 8.6" (890 mm × 593 mm × 217 mm)
Net Weight
32" : 17.6lb. (8 kg) (Including Stand)
32" : 15.4lb. (7 kg) (TV only)
39" : 27.6lb. (12.5kg) (Including Stand)
39" : 24.3lb. (11 kg) (TV only)
Sound System
1-way 2 bottom SP System
Channel Capability-ATSC/NTSC (Digital/Analog)
VHF/UHF: 2 - 69, CATV: 1 - 135
Sound Output
32" : 5W+5W ; 39" : 10W+10W
Maximum Visible Range
32" : 27.6" × 15.6" (701 mm × 396 mm)
39" : 33.7" × 19.0" (857 mm × 482 mm)
Operating Conditions
Temperature: 32° F - 95° F (0°C to 35°C)
Humidity: 20 % - 80 % RH (non-condensing)

• Specifications are subject to change without notice.
• The On-Screen Menu and figures in this manual may differ slightly from the product.
• USB Flash Memory format : FAT16, FAT32 (no support exFAT or NTFS).
• Some USB devices (USB HUB or card adapter) or some USB stick may not be used with this TV.

Notes

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Useful Information

Customer Service

Customer Service Directory

Obtain products information and operative assistant; localize the closer distributor or Service Center; buy spare parts and accessories by our web site to Latin American:

http://www.lar.panasonic.com

Also you may contact us directly by our Contact Center:

Mexico Service

To obtain information in the Republic of Mexico contact us at:

email: atencion.clientes@mx.panasonic.com

Or you may contact us in the next following phones numbers:

01800-VIP-PANA (01800-847-7262) - Interior

(55) 5000-1200 - Mexico D.F. and Metropolitan Area