

Panasonic®

Model No.:
TH-65GX706M/TH-65GX706MF

Operating Instructions

LED TV



Thank you for purchasing this Panasonic product.
Please read these instructions carefully before operating this
product and retain them for future reference.

The images shown in this manual are for illustrative purposes only.

English

DTS TruSurround™



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Chapter 1: Introduction

Warning

Handling the mains plug and lead

Insert the mains plug fully into the socket outlet. (If the mains plug is loose, it could generate heat and cause fire.)

Ensure that the mains plug is easily accessible.

Do not touch the mains plug with a wet hand. (This may cause electrical shock.)

Do not use any mains lead other than that provided with this TV. (This may cause fire or electrical shock.)

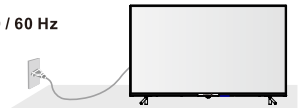
Do not damage the mains lead. (A damaged lead may cause fire or electrical shock.)

- Do not move the TV with the lead plugged in the socket outlet.
- Do not place a heavy object on the lead or place the lead near a high-temperature object.
- Do not twist the lead, bend it excessively or stretch it.
- Do not pull on the lead. Hold onto the mains plug body when disconnecting the lead.
- Do not use a damaged mains plug or socket outlet.
- Use the TV in moderate climates.

If you find any abnormality, remove the mains plug immediately!



110 - 240V ~ 50 / 60 Hz



- Mains plug types vary between countries.

Power source

- This TV is designed to operate on
- 110 - 240V ~ 50/60 Hz
- Table-top use / Wall hanging

Do not use external voltage stabilizer with the TV set

- Inferior quality stabilizer may cause damage to the TV.
- Warranty is not valid if external stabilizer is used.

Do not remove covers and never modify the TV by yourself

- Do not remove the rear cover as live parts are accessible when it is removed. There are no user serviceable parts inside. (High-voltage components may cause serious electrical shock.)
- Have the TV checked, adjusted, or repaired at your local Panasonic dealer.
- Please refer the information on exterior back enclosure for electrical and safety information before installing or operating the apparatus.
- The mains plug is used as disconnect device, the disconnect device shall remain readily operable.

Do not expose to rain or excessive moisture

- To prevent damage which might result in electrical shock or fire, do not expose this TV to rain or excessive moisture. This TV must not be exposed dripping or splashing water and objects filled with liquid, such as vases, must not be placed on top of or above the TV.

Do not insert external objects into the TV

- Do not allow any objects to drop into the TV through the air vents. (Fire or electrical shock may result)

Do not place the TV on sloped or unstable surfaces, and ensure that the TV does not hang over the edge of the base

- The TV may fall off or tip over.

Use only the dedicated pedestals/ mounting equipments

- Use an unapproved pedestal or other fixtures may make the TV unstable, risking injury. Be sure to ask your local Panasonic dealer to perform setup.
- When mounting the TV on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer. This is a safety feature.
- Only use attachments/accessories specified or provided by the manufacturer (such as the exclusive supply adapter, battery, etc.).

Do not expose to direct sunlight and other sources of heat

- Avoid exposing the TV to direct sunlight and other sources of heat.



To prevent the spread of fire, keep candles or other open flames away from this product at all times.

Use Environment

▲ Warning: Never place a television set in an unstable location. A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

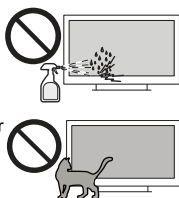
- Using cabinets or stands recommended by the manufacturer of the television.
- Only using furniture that can safely support the television.
- Ensuring the television is not overhanging the edge of the supporting furniture.
- Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.

If your existing television set is being retained and relocated, the same considerations as above should be applied.

(Only for the TV with mass exceed 7 kg)

Cleaning

- Do not spray water or detergent directly on TV screen for cleaning purpose. Leaking liquid substance will cause damage to TV.
- Be careful of cats, rats or other animals that may urinate on the TV (front and rear). It may lead to TV failure.
- Do not use sharp or hard objects (finger nails, knife and etc.) on TV screen. This may cause damage to the screen surface.



Hanging the TV Set on the Wall

- Check that the wall can support the weight of the TV set and wall mount assembly.
 - Follow the mounting instructions provided with the wall mount.
 - The TV set must be installed on a vertical wall.
 - Make sure to use only screws suitable for the material of the wall.
 - Make sure that the TV set cables are placed so that there is not danger of tripping over them.
- All other safety instructions about our TV sets are also applicable here.

Warning: This operation requires two people.

To ensure a safe installation, observe the following safety.

▲ Caution

1.Read these instructions---All operating instructions must be read and understood before the product is operated.

2.Keep these instructions---These safety and operating instructions must be kept in a safe place for future reference.

3.Read all warnings---All warnings on the product and in the instructions must be observed closely.

4.Follow all instructions---All operating instructions must be followed.

5.Attachments---Only use attachments/ accessories specified by the manufacturer. Do not use attachments not recommended by the manufacturer. Use of improper attachments can result in accidents.

6.Power source---This product is intended to be supplied by a listed power supply indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system.

Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

7.Power cord protection---Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Note: *Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.*

8.Overloading---Do not overload wall outlets, extension cords, or convenience receptacles on other equipment as this can result in a risk of fire or electric shock.

9.Servicing---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.

10.Damage requiring service---If any of the following conditions occurs, unplug the power cord from the AC outlet, and request a qualified service person to perform repairs.

- a.When the power cord or plug is damaged.
- b.When a liquid is spilled on the product or when objects have fallen into the product.

- c. When the product has been exposed to rain or water.
- d. When the product does not operate properly as described in the operating instructions.

Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.

- e. If the product has been dropped or the cabinet has been damaged in any way.
- f. When the product displays an abnormal condition or exhibits a distinct change in performance. Any noticeable abnormality in the product indicates that the product needs servicing.

11. Replacement parts---In case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts. Use of unauthorized parts can result in fire, electric shock and/or other danger.

12. Safety checks---Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the product is in proper operating condition.

13. Stand---Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. Do not place the product on an unstable trolley, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.



14. Careful move---When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. Sudden stops, excessive force and uneven floor surfaces can cause the product to fall from the trolley. Never attempt to move the TV unless the AC power cord has been disconnected.

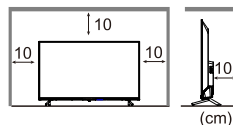
15. Lightning---Unplug this apparatus during lightning storms or when unused for long periods of time. For added protection for this television equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the equipment due to lightning and power-line surges.

16. Panel protection---The display panel used in this product is made of glass. Therefore, it can break when the product is dropped or impacted upon by other objects. Be careful not to be injured by broken glass pieces in case the display panel breaks.

17. Pixel defect---The display panel is a very high technology product, giving you finely detailed pictures. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red. Please note that this does not affect the performance of your product.

18. Do not block the rear air vents

- Adequate ventilation is essential to prevent failure of electronic components.
 - Ventilation should not be impeded by covering the ventilation openings with items such as newspapers, table cloths and curtains.
 - We recommended that a gap of at least 10 cm is left all around this TV even when placed inside a cabinet or between shelves.
 - When using the pedestal, keep the space between the bottom of the TV and the surface where the TV is set.
 - If pedestal is not used, ensure the vents at the bottom of the TV are not blocked.
 - Do not install this equipment in a confined or building-in space such as a book case or similar unit, and remain a well ventilation conditions at open site.
- Minimum distance










Note: The picture is only for reference.

19. Do not ingest the battery, Chemical Burn Hazard

Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

- 20. Listening---** Listening to music at high volume levels and for extended durations can damage one's hearing. In order to reduce the risk of damage to hearing, one should lower the volume to a safe, comfortable level, and reduce the amount of time listening at high levels.

Symbol

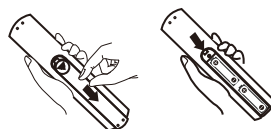
- For the terminals marked with symbol of "⚡", may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the used of ready-made leads or cords.
- If the product has the symbol  in its rating label and the power cord has two pins, it means that the equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.
- The following information are recommended to be included where applicable:
 -  Refers to alternating current(AC).
 -  Refers to direct current(DC).
 -  Refers to ClassII equipment.
 -  Refers to stand-by.
 -  Refers to power ON.
 -  Refers to dangerous voltage.



- This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.
- To reduce the risk of electric shock. Do not remove cover (or back). No user serviceable parts inside. Refer to qualified service personnel.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

Installing/Removing Remote's Batteries

Place two AAA size batteries in the remote control's battery compartment, making sure to match the polarity markings inside the compartment.



Caution

- The picture is only for reference.*
- Incorrect installation may cause battery leakage and corrosion, resulting in damage to the remote control.*
- Do not mix old and new batteries.*
- Replace only with same or equivalent type. Do not mix different battery types (such as alkaline and manganese batteries) .*
- Do not use rechargeable (Ni-Cd) batteries.*
- Do not burn or break up batteries.*
- Do not expose batteries to excessive heat such as sunshine, fire or the like.*
- Make sure you dispose of batteries correctly.*
- Ensure batteries are replaced correctly, there is danger of explosion and fire if battery is reversed.*
- Do not disassemble or modify the remote control.*

Precautions for Using Remote Control

- Use the remote control by pointing it towards the remote sensor. The items between the remote control and the remote sensor will interfere the normal operation.
- Do not make remote control vibrate violently. Also, do not splash liquid on the remote control, also do not put the remote control in high humidity place.
- Do not place remote control under direct sunlight which will cause deformation of the unit by heat.
- When the remote sensor is under direct sunlight or strong lighting, the remote control will do not work. If so please change the lighting or TV's position, or operate the remote control closer to the remote sensor.

Standard Accessories

Remote Control



Pedestal (2)



Screws (4)



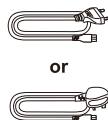
Batteries (2)
(AAA size)



Operating
Instructions



AC Power
Cord



Note:

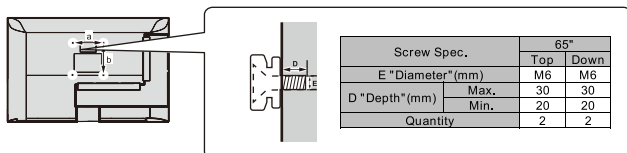
- 1) The pictures are only for reference.
- 2) Accessories may not be placed all together. Take care not to throw them away unintentionally.
- 3) This product contains possibly dangerous parts (such as plastic bags), that can be breathed in or swallowed by young children accidentally. Keep these parts out of reach of young children.

Optional Accessories

Please contact your local Panasonic dealer to purchase the recommended wall-hanging bracket.

Note: The graphics are only for reference.

• Screw Specifications



• VESA

Size	65"
a(mm)	200
b(mm)	200

⚠ Warning

- Failure to use a Panasonic bracket or choosing to mount the unit yourself will be done at the risk of the consumer. 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. Any damage resulting from not having a professional installer mount your unit will void your warranty.
- When any optional accessories or wall hanging brackets are used, always ensure that the instructions provided are followed fully.
- Do not mount the unit directly below ceiling lights (such as spotlights 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. Wall mounted equipment shall not be grounded by metal within the wall. Always ensure that there are no electrical cables or pipes in the wall before hanging bracket.
- To prevent fall and injury, remove the TV from its fixed wall position when it is no longer in use.

Pedestal Installation



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 the one 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 while it is physically damaged, personal injury may result. Contact your local Panasonic dealer immediately.

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

- If insufficient care is 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.

Ensure that the TV does not fall over.

- If the TV is knocked or children climb onto the pedestal with the TV installed, the TV may fall over and personal injury may result.

Two or more people are required to install and remove the TV.

- If two or more people are not present, the TV may be dropped, and personal injury may result.

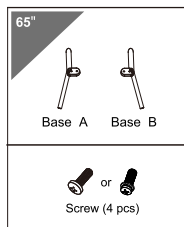
When removing the pedestal from the TV, do not remove the pedestal by the methods other than the specified procedure.

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

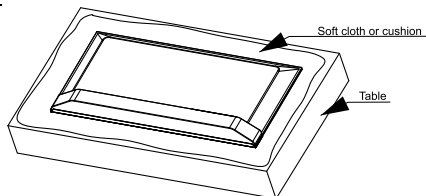
Appearance of the product in illustrations may differ from your actual product, and is for reference purposes only.

Note: The pictures are only for reference.

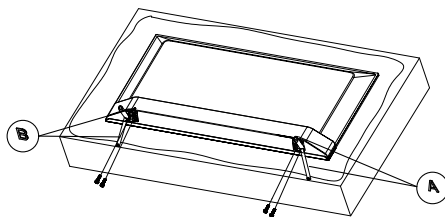
- Please take out the accessory bag from the package and check if all below parts exist without missing, if not, please contact your local dealer.



- Take out the TV and carefully put it (screen downward) on a stable and flat table with a soft cloth or cushion on it.



- Connect the TV and base by putting and fastening matched screws into the holes.



Removing the pedestal from the TV

Be sure to remove the pedestal in the following way when using the wall-hanging bracket or repacking the TV.

- 1 Remove the assembly screws from the TV.
- 2 Remove the pedestal from the TV.

Chapter 2: Basic Features

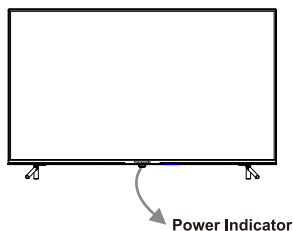
TV Controls

■ Turn on or turn off the TV

1. Connect the power cord to the power outlet and the TV. Then the TV will be standby.
2. Press **POWER** button to turn on the TV.
3. In working status, press **POWER** button to turn the TV to standby mode.
4. Disconnect the power cord to power off the TV completely.

■ Power Indicator

Front View

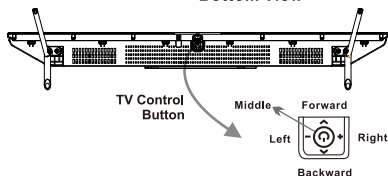


Note: The picture is only for reference.

- **Lit in Red:** Standby mode.
- **Lit in Green:** Working status.
- **Unlit:** Power off.

■ Rocker Button

Bottom View



Note: The picture is only for reference.

● Press Middle:

1. <In standby mode>
Press it to turn on the TV.
2. <Without OSD>
Short press it to access source list.
Long press it to turn the TV standby.
3. <In Source List>
Short press it to access main menu.
Long press it to exit source list.

4. <In Main Menu>

- Short press it to confirm or enter the selected content.
- Long press it to return back to the upper-level menu.

● Push Left/Right:

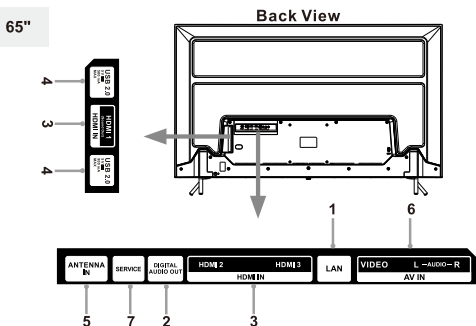
- Adjust sound volume.
- Go to left/right to select the desired content in main menu.
- Switch to the selected source in source list.

● Push Backward/Forward:

- Change channels.
- Go to up/down to select the desired content in source list or main menu.

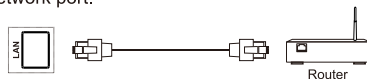
■ TV Terminals

Note: The pictures are only for reference.



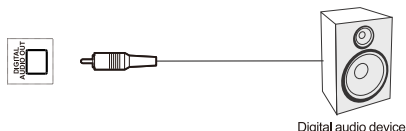
1. LAN

Network port.



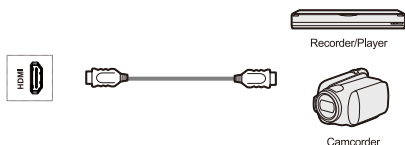
2. DIGITAL AUDIO OUT

connect an optical cable to output the TV's digital audio signal to a compatible audio receiver.



3. HDMI IN

Receive HDMI input signal from the connected HDMI device.



Note:

- 1) If the external device has a DVI output only, use a DVI to HDMI adapter cable to connect to the HDMI terminal.
- 2) For the audio receiver control Sound Out, firstly you must have a device which supports HDMI Sound Out, then connect it to the HDMI1 port. When the "Sound Out" setting is enabled on your TV, the TV's speakers will mute automatically and the audio will be outputted on your sound device system.

4. USB

Connect USB devices to the TV.

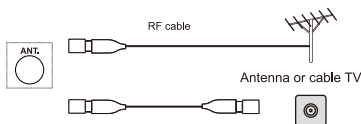


Note:

Never remove the USB device or turn off the TV while using the USB device.

5. ANTENNA IN

Connect a coaxial cable to receive signal from the antenna or cable.

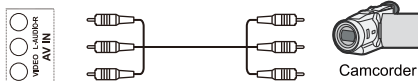
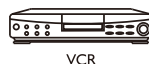


Note:

- 1) Do not place the RF cable under the TV.
- 2) To obtain the optimum quality of picture and sound, an aerial, the correct cable (75Ω coaxial) and the correct terminal are required.
- 3) If a community antenna system is used, you may require the correct connection cable and plug between the wall aerial socket and the TV.
- 4) Your local Television Service Center or dealer may be able to assist you in obtaining the correct aerial system for your particular area and the accessories required.
- 5) Any matters regarding aerial installation, upgrading of existing systems or accessories required, and the costs incurred, are the responsibility of you, the customer.

6. AV IN

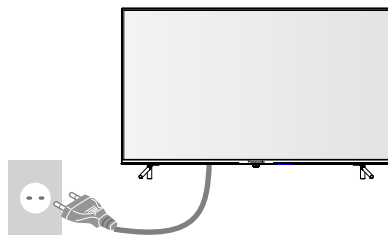
Receive audio and video signal from signal source such as DVD.



7. SERVICE

Debugging port only for technicians.

■ Power Connection



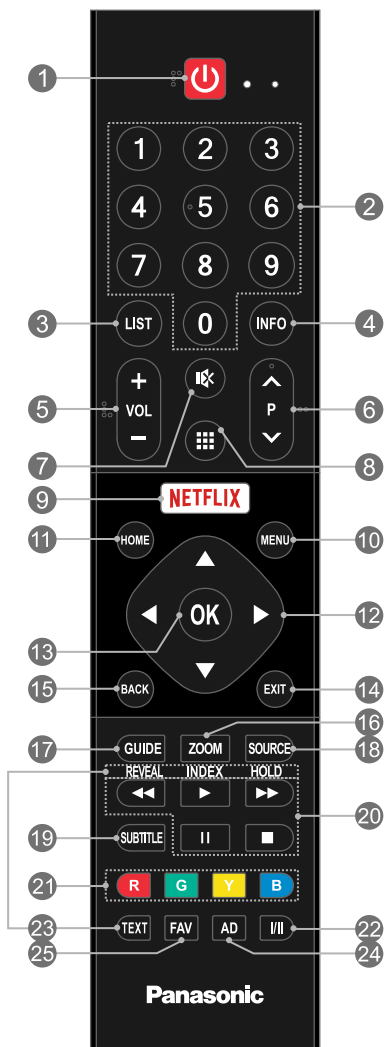
Note: The picture is only for reference.

Connect the power cord to the power outlet (110-240V ~ 50/60Hz).

Remote Control

Note:

- 1). The picture is only for reference.
- 2). Some buttons may not be available for some regions, some models or some sources.
- 3). Some DTV-related buttons may not be applicable due to non-availability of DTV signal in some areas.



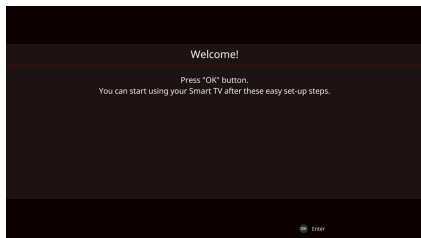
1. **POWER** (): Turn the TV on or to standby mode.
2. **Number Buttons (0~9)**: Select the channel or input a number.
3. **LIST**: Access the channel list.
4. **INFO**: Access the INFO interface of current program.
5. **VOL +/-**: Increase or decrease the sound volume.
6. **P +/-**: Change to next or previous program.
7. **MUTE**: Mute or restore the TV sound.
8. **APPS** (): Access Smart TV Apps directly.
9. **NETFLIX**: Access Netflix directly.
10. **MENU**: Access main menu settings, or access the menu of quick settings in media player.
11. **HOME**: Access the home page.
12. **UP/DOWN/LEFT/RIGHT**: Navigate the menu to select the content you need.
13. **OK**: Confirm or enter the selected content, access the menu of quick settings, or call out the control bar in media player.
14. **EXIT**: Exit the current operation.
15. **BACK**: Change to the previously-viewed channel.
16. **ZOOM**: Select the aspect ratio.
17. **GUIDE**: Access the EPG interface of current DTV program.
18. **SOURCE**: Select the input source.
19. **SUBTITLE**: Turn on or turn off the function of subtitle.
20. ***** USB Play Control Buttons *****
 - **Fast Backward** (): Fast backward the playback.
 - **PLAY** (): Start the playback.
 - **Fast Forward** (): Fast forward the playback.
 - **PAUSE** (): Pause the playback.
 - **STOP** (): Stop the playback.
21. **Color Buttons (R/G/Y/B)**: Execute the prompt function in specific mode.
22. **I/II**: Select the audio output type depending on the broadcasting program.
23. ***** Teletext Buttons *****
 - **TEXT**: Access or exit the teletext menu.
 - **REVEAL**: Display or hide the concealed information.
 - **INDEX**: Display the index page.
 - **HOLD**: Hold the teletext page on screen without updates or changes.
24. **AD**: Turn on or turn off the function of audio description.
25. **FAV**: Access the list of favorite channels.

Chapter 2: Basic Features

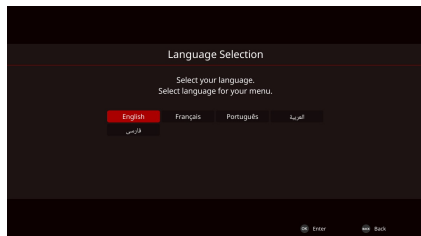
Initial Setup

When you turn on the TV for the first time, there will show a wizard to guide you to finish the following initial settings:

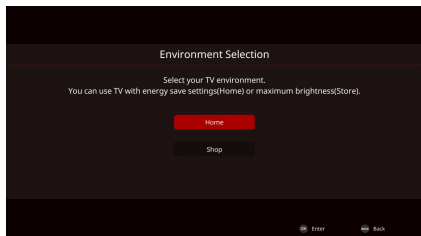
Step 1: Start the initial setup.



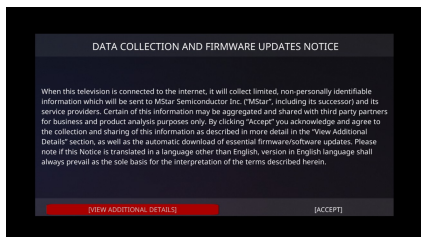
Step 2: Select the menu language as you need.



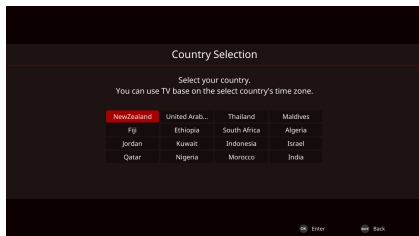
Step 3: Select your TV using environment.



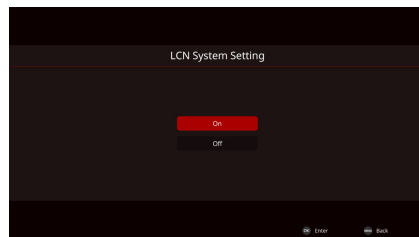
Step 4: Read "DATA COLLECTION AND FIRMWARE UPDATES NOTICE".



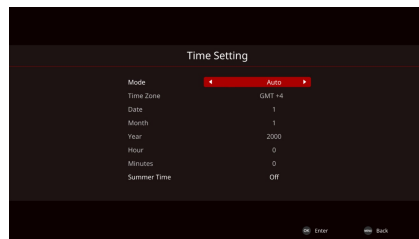
Step 5: Select your country.



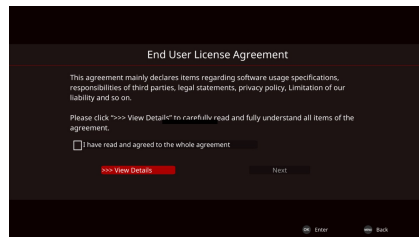
Step 6: Setup LCN (Logical Channel Number). Turn on LCN to get the channel number automatically from the program.



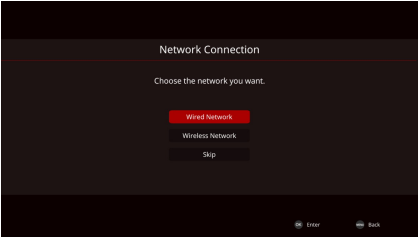
Step 7: Time Setting



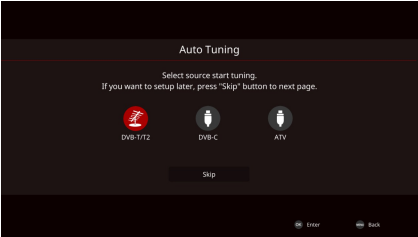
Step 8: Read the End User License Agreement.



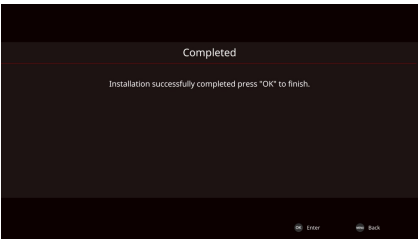
Step 9: Select whether or not to connect your TV to the network.



Step 10: Select a TV source and start auto tuning



Step 11: Finish the initial setup.

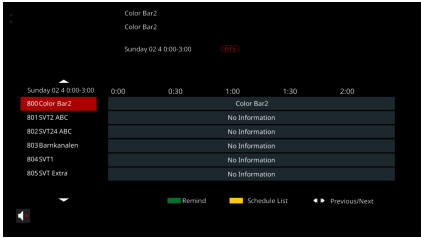


Note:

- 1) The pictures are only for reference.
- 2) You need to finish all initial settings according to what is indicated on the screen.
- 3) If you want to restart initial settings after the first time, please select <HOME/MENU → Settings → Setup → Restore Default>. Please note that "Restore Default" will clear all user settings.

Electronic Program Guide (EPG)

Electronic Program Guide (EPG) is supplied by the program providers and offers information about the programs to be broadcast. You can access it in DTV mode by pressing **GUIDE** button on the remote control.



Note: The picture is only for reference.

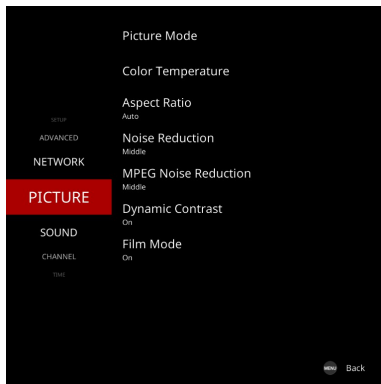
- **Remind**
Press **GREEN** button to setup an reminding appointment to watch a coming program.
- **Schedule List**
List of reminding appointments.
- **Previous/Next**
Press ◀ button to watch the program list of previous day.
Press ▶ button to watch the program list of next day.

Main Menu Settings

- Step 1:** Press **MENU** button, or click "Settings" on Home Page to enter Main Menu Settings.
- Step 2:** Press ▲/▼ button to select the submenu: **Picture, Sound, Channel, Time, Setup, Advanced or Network.**
- Step 3:** Press ► button to enter the selected submenu.
- Step 4:** Press ▲/▼ button to select an item.
- Step 5:** Press **OK** button to enter the selected item.
- Step 6:** Press ▲/▼ or ◀/▶ to adjust the item.
- Step 7:** Press **MENU** button to back to the upper-level menu.
- Step 8:** Press **EXIT** button to exit Main Menu Settings.

Note: Some items may not be available for some regions, some models or some input sources.

Picture Menu



Note: The picture is only for reference.

Picture Mode

Select the picture mode: **Standard**, **Mild**, **User** or **Dynamic**. It will skip to "User" mode if you adjust the value of **Contrast**, **Brightness**, **Color**, **Sharpness**, **Tint** or **Backlight**.

Contrast

Adjust the difference between light and dark areas of the picture (0~100).

Brightness

Adjust the lightness of the picture (0~100).

Color

Adjust the color richness of the picture (0~100).

Sharpness

Adjust the edge of the picture (0~100).

Tint

Adjust the color tint of the picture. It is only available for NTSC system (0~100).

Backlight

Adjust the backlight of the screen (0~100).

Color Temperature

Adjust the overall color tone of the picture. Choices are **Nature**, **Warm**, **User** and **Cool**. It will skip to "User" mode if you adjust the value of **Red**, **Green** or **Blue**.

Aspect Ratio

Select the aspect ratio. Choices are Auto, 4:3, 16:9, Movie, Just Scan and Panorama, which vary depending on the input source.

Noise Reduction

Turn on to reduce the noise in the picture signal. Choices are **Off**, **Low**, **Middle** and **High**.

MPEG Noise Reduction

Turn on to reduce the noise created while converting or compressing MPEG picture signal. Choices are **Off**, **Low**, **Middle** and **High**.

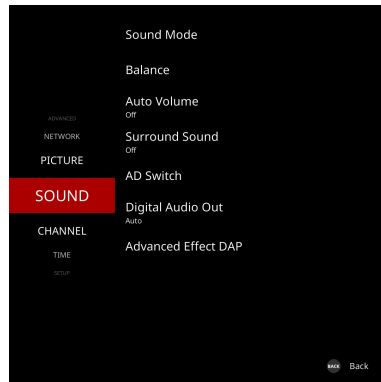
Dynamic Contrast

Turn on to adjust the contrast of the picture automatically depending on the input signal.

Film Mode

Turn on to achieve a stable and fluent play of the dynamic picture.

Sound Menu



Note: The picture is only for reference.

Sound Mode

Select the desired sound mode. Choices are **Standard**, **Music**, **Movie**, **Sport** and **User**. It will skip to "User" mode if you adjust the value of **120Hz**, **500Hz**, **1.5KHz**, **5KHz** or **10KHz**.

Balance

Control the balance between left and right speakers (-10 ~ 10). It is only available after "Surround Sound" is turned off.

Auto Volume

Turn on to adjust the sound volume depending on the input signal.

Surround Sound

Turn on to help create rich and wide sound from stereo sound sources.

AD Switch

Adjust related AD settings to help the blind or visually-impaired viewers understand and enjoy the program.

Digital Audio Out

Select the mode of digital audio output. Choices are **PCM**, **Auto**, **Transcode DD** and **Transcode DDP**.

■ Advanced Effect DAP

Setup the advanced effect of Dolby Audio Processor.

• DAP Enable

Turn on or turn off the DAP function. Only when it is turned on, the following four items can be adjusted.

• DAP Mode

Select the desired DAP mode.

• Surround Virtualizer

Select the effect of Surround Virtualizer.

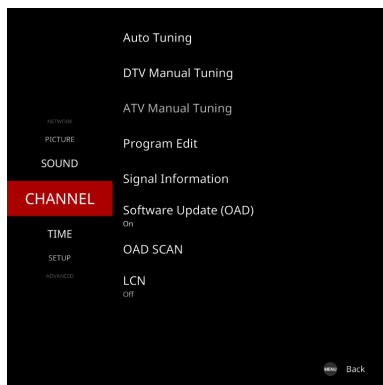
• Dialog Enhancer

Select the effect of dialog enhancer.

• Auto Volume Control

Select the effect to automatically adjust the sound volume depending on the input Dolby audio signal.

Channel Menu (Only for TV mode)



Note: The picture is only for reference.

■ Auto Tuning

Search for channels automatically. Before searching, please select the desired input source firstly. For DTV sources, you may need to adjust related settings (**Scan Mode**, etc.) which may vary by different countries or sources.

Please press "OK" to begin auto tuning, and press **EXIT** button to select whether or not to exit auto tuning. The searched channels will be saved in the TV automatically after auto tuning is finished.

■ DTV Manual Tuning

Search for DTV channels Manually. Before searching, please select the desired DTV input source firstly. Then you need to adjust related settings (**Frequency**, etc.) which may vary by different countries or sources.

Please click "Search" to begin DTV manual tuning, and press **EXIT** button to exit DTV manual tuning. The search stops automatically when a program is found and the program will be saved automatically.

■ ATV Manual Tuning

Search for ATV channels manually. Before searching, please select ATV source firstly. Then Adjust related settings (**Storage To & Current CH**, **System**, etc.).

■ Programme Edit

Edit the programs. Press ▲/▼ button to select the desired program. Then press ► button to call out the options of program editing.

• Favorite

Add the selected program to the list of Fav1/Fav2/Fav3/Fav4.

• Move

Move the selected program to the desired position. It is only available for DTV mode.

• Skip

Skip the selected program.

• Delete

Delete the selected program.

• Rename

Rename the selected program.

■ Signal Information

Show the detailed information of current signal. It is only available for DTV source.

■ Software Update (OAD)

Turn on to update the TV software by OAD code stream over the air. It is only available for some countries.

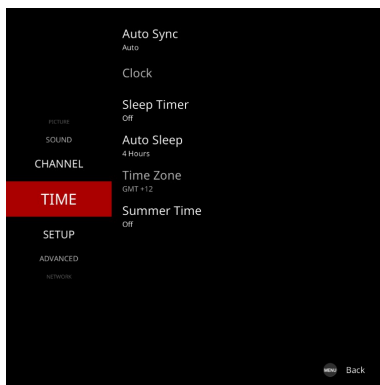
■ OAD Scan

Turn on to scan the available OAD code stream for software updating. It is available only after you have turned on "Software Update (OAD)". It is only available for some countries.

■ LCN

Turn on to get the channel number automatically from the program.

Time Menu



Note: The picture is only for reference.

■ Auto Sync

Select to be **Manual** or **Auto**.

■ Clock

Setup the TV clock manually. It is available only when you select "Manual" in "Auto Sync".

■ Sleep Timer

Setup the timer in minute to turn off the TV automatically. Choices are **Off**, **10**, **20**, **30**, **60**, **90**, **120**, **180** and **240 Minutes**.

■ Auto Sleep

Setup the timer in hour to turn off the TV automatically when there is no operation during the selected time. Choices are **Off**, **4Hours**, **6Hours** and **8Hours**.

■ Time Zone

Select the time zone.

■ Summer Time

Turn on or turn off the function of summer time.

■ OSD Language

Select the desired menu language.

■ Audio Languages

Select the primary and secondary audio languages. It is only available for DTV source.

■ Subtitle Languages

Select the primary and secondary subtitle languages. It is only available for DTV source.

■ Subtitle

Turn on or turn off the function of subtitle.

■ Subtitle Hearing Impaired

Turn on to help the deaf or hearing-impaired viewers understand and enjoy the program.

■ Restore Default

Reset all menu settings to the default values.

Note: All user data will be lost after operating this function.

■ HDMI Link

Setup to control the connected HDMI device.

• HDMI Link

Turn on or turn off the HDMI link function.

• Device List

Display the list of HDMI devices connected to the TV.

• Auto Standby

Turn the connected HDMI device to standby mode automatically when you turn off the TV.

• Audio Link

Turn on or turn off the function of Audio Link.

■ Color Range

Select the color range in HDMI source. Choices are **Auto**, **16-235** and **0-255**.

■ Software Update Check (OTA)

Update the TV software system by network connection.

■ Software Information

Show the current software information such as software version, etc.

■ Standby Scan

Turn on to search for channels when the TV turns to standby mode. It is only available for some countries.

■ Software Update (USB)

Update the TV software system by connecting an USB device with new software.

■ App Settings

Setup for Netflix app, and show the software version.

• Netflix Deactive

logout from your Netflix account, and clear all of your personal account information.

• Netflix Terminate

Stop and exit the operation of Netflix application.

• Netflix ESN Key

Show Netflix ESN key.

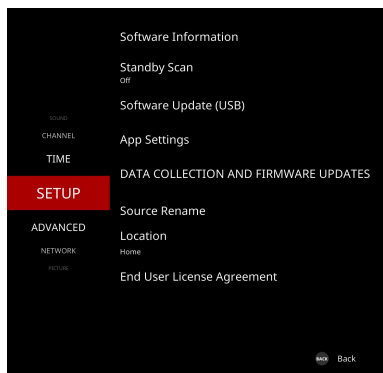
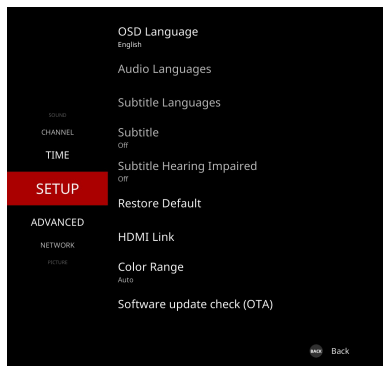
• SW Versions

Show the software version.

■ DATA COLLECTION AND FIRMWARE UPDATES NOTICE

Read the details of "DATA COLLECTION AND FIRMWARE UPDATES NOTICE".

Setup Menu



Note: The pictures are only for reference.

■ Source Rename

Select the source name for AV/HDMI input.

■ Location

Select the TV using environment between **Shop** and **Home**.

• Home Mode

"Home" mode is recommended for home viewing.

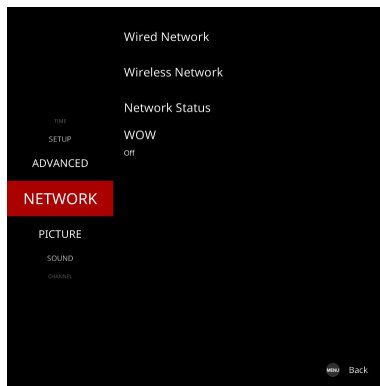
• Shop Mode

"Shop" mode is used to display the TV in a store or the like. It will consume more energy in "Shop" mode.

■ End User License Agreement

Read the details of end user license agreement.

Network Menu



Note: The picture is only for reference.

■ Wired Connection

Connect the TV to the wired network by auto input or manual input.

■ Wireless Connection

Connect the TV to the desired wireless network.

■ Network Status

Show the status of current network connection.

■ WOW

Turn on the TV from standby mode by network connection. The followings are for your reference to understand the function of "WOW":

Step 1: Turn on "WOW" function on the TV.

Step 2: Connect the TV and your mobile phone to the same network.

Step 3: Press **POWER** button on the remote control to turn the TV to standby mode.

Step 4: Open **YouTube** on your mobile phone.

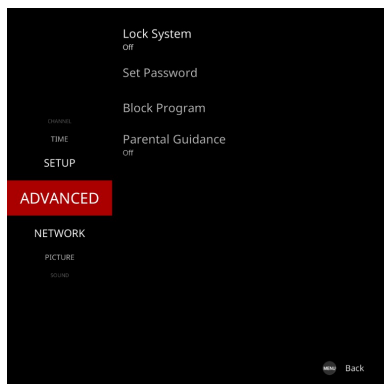
Step 5: Click **Cast** icon  on YouTube display.

Step 6: Find and connect the TV as an available device.

Step 7: The TV will be turned on from standby mode.

Note: If you turn on WOW function, it will consume more energy.

Advanced Menu



Note: The picture is only for reference.

■ Lock System

Turn on or turn off the lock system.

■ Set Password

Change the password as you like. The default password is 0000.

Note: If you change the password and forget it, you can use the super password 8899 to enter the lock system.

■ Block Program

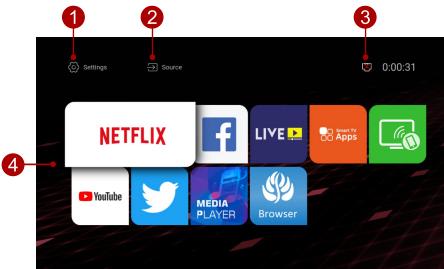
Restrict unauthorized access to programs which are not suitable for children based on program content. Password is needed to view locked programs. It is only available for TV mode.

■ Parental Guidance

Restrict unauthorized access to programs which are not suitable for children based on age rating. Password is needed to view locked programs. It is only available for DTV source.

Chapter 3: Home Features

Home Page



Note: The picture is only for reference.

1. Live TV Settings
2. Input Source
3. Network Status
4. Applications Preset on Home Page

Main Applications

Note:

- All App Store & applications are controlled by third parties & are subjected to regional availability.
- According to circumstances of the content provider, an application's updates or the application itself may be discontinued.
- Changes in application content may be made without prior notice by the service provider.

■ Smart TV Apps

Access the center of online application.

■ Browser


Access internet on your Smart TV.

Note:




- If current page is not fully opened then please allow progress to complete the loading.
- We recommend a good high speed internet connection for better accessing of websites, watching videos & more.
- The browser may not support some web pages or videos due to network, region, format or internet service provider, which has nothing to do with the TV.
- The browser may stop responding, if the size of website is too large.
- For better & smooth experience, please delete web browser history regularly.

■ YouTube

Search and watch videos online. You can also use YouTube cast feature according to the following steps:

1. Open YouTube application on your Smart Phone.
2. Sign in if you have a YouTube account.
3. You will find a cast Icon  and click it.
4. You will find "Panasonic Smart TV" and connect it.
5. Please enjoy the videos on the big TV screen.

Bellow buttons you can use on remote control while playing videos:

	Play / Pause
	Fast Backward / Fast Forward
	To stop the video

Note:

For above YouTube cast feature, both smart phone & the TV Should be connected to the same network.

■ Mirroring

Start the function of screen mirroring by which the contents can be displayed on the big TV screen from the mobile devices (phone, etc.) which support mirroring function.

Note:

- Your Smart phone must have wireless display feature for using above feature.
- You can search "Panasonic Smart TV" on your smart phone & connect to it.
- Sometimes you may experience some difficulty in searching or casting your mobile screen due to noisy environment around LED TV & mobile.
- Some of Android versions are not supported.
- Mobile phone operating with iOS platform are not supported.

■ Netflix

Netflix has been built in your smart TV. With Netflix, you can watch TV shows and movies recommended just for you, including Netflix original programs.

You can press **NETFLIX** button on your remote control to enter the interface of Netflix application. Or you can also press **HOME** button to enter home page, then select Netflix icon and press **OK** button to enter Netflix.

Netflix is subject to regional availability, and streaming membership required. You can find more information at www.netflix.com.

Media Player











Please select <HOME → Media Player> to open the media player where you can play the selected USB file on the TV screen.

■ Preparation

- Insert your USB device on the TV to view compatible photo and movie on the TV screen or play compatible music through the TV.
- If the connected USB hard disk does not have an external power source, it may not be detected. Be sure to connect the external power source.
- To avoid losing the data on your USB device or damaging your USB device, it is recommended that you back up all data on your USB device.
- The control menu displays in media player may differ by different regions or models. And please take your actual TV as the standard.
- If you want to pull out your USB device, please exit USB mode firstly.
- For instructions on using your USB device, refer to the owner's manual of your USB device.
- Never remove the USB device or turn off the TV while using the USB device. Doing so may result in loss of data or damage to the USB device or the TV.
- Certain types of USB devices may not be compatible with the TV.










■ Watch Movies

Please select <HOME → Media Player → Movie → the desired movie>, then press **OK** button to start watching. You can control movie watching by the movie control bar, which can be called out by pressing **OK** button.

 or 	Play / Pause
	Stop playing.
	Setup A/B repeat to select a part of the movie for playing it repeatedly.
	Go to the previous / next file.
	Fast backward / fast forward.
	Skip to a specific point by inputting the desired time. Then it will start a time search and play from the input time.
	Select the repeat mode.
	Display the information of current movie.
	Show the movie playlist.







■ Browse Photos

Please select <HOME → Media Player → Photo → the desired photo>, then press **OK** button to start browsing. You can control photo browsing by the photo control bar, which can be called out by pressing **OK** button.

 or 	Play / Pause
	Stop playing.
	Rotate the photo clockwise/counter clockwise by 90 degrees every time it is clicked.
	Go to the previous / next photo.
	Zoom in or zoom out.
	Display the current photo file information.
	Display the photo playlist.
	Select the repeat mode.

■ **Play Music**

Please select <HOME → Media Player → Music → the desired music>, then press **OK** button to start playing. You can control music playing by the music control bar, which can be called out by pressing **OK** button.

	Play / Pause
	Stop playing.
	Go to the previous / next music.
	Fast backward / fast forward.
	Display the music playlist.
	Display the current photo file information.

Note:

1. The pictures are only for reference.
2. Under the following conditions, this system cannot decode the file and the file cannot be played normally:
-The parameters of file, such as the pixel of picture, code rate of audio and video file, sampling rate of audio file, exceed the limit of the system;
-The format of file is not matched or the file is harmed.
Note: The code rate this system supports does not exceed 20Mbps.
3. Hot plug: Do not disconnect when the system is reading or transmitting data, avoid damaging the system or the device.
4. Pay attention to the power supply of the device when you are using a mobile hard disk or a digital camera. If the power supply is not sufficient or not stable, you may encounter problems during operating or can not operate at all. In this case, please restart the device or unplug the device and plug it again, and ensure that its power supply is normal.
5. The system supports standard USB1.1 and USB2.0 devices, such as standard U-disks, MP3 players, mobile hard disks, etc..

6. For obtaining better audio and video quality, It is suggested to use the external device which accords with USB2.0 standard.
7. When playing the video with high compression ratio, these phenomenons, such as picture standstill and menu long time response, are normal.
8. For some USB device with power supply, such as large size hard disk, MP4, etc., Suggest using it with power to avoid electric power shortage.

Chapter 4: Technical Information

Supported File Format in Media Player

Video

Container	Video Codec (file type)	File Extension Name	Sampling rate SPEC	Bit Rate	Profile
MPG/MPEG	Mpeg1	.dat .mpg.mpeg	1080P @ 60fps	40Mbps	MP @ HL
	Mpeg2			80Mbps	
MPEG2 -PS	MPEG2	.vob	1080P @ 60fps	80Mbps	MP @ HL
MP4	Mpeg1	.mp4	1080P @ 60fps	40Mbps	MP @ HL
	Mpeg2			80Mbps	
	Mpeg4			40Mbps	Simple Profile and Advanced Simple Profile @Level 5
	H.263		4096x2160 @ 60fps 1080P @ 60fps	135Mbps	Main Profile and High Profile@Level 5.0
	H.264				
	H.265				Main/Main 10 Profile and High Tier @Level 5.1
	Motion JPEG		640x480@30fps	10Mbps	
MKV	Mpeg1	.mkv	1080P @ 60fps	40Mbps	MP@HL
	Mpeg2			80Mbps	
	Mpeg4			40Mbps	Simple Profile and Advanced Simple Profile @Level 5
	H.263		4096x2160 @ 60fps 1080P @ 60fps	135Mbps	Main Profile and High Profile@Level 5.0
	H.264				
	H.265				Main/Main 10 Profile and High Tier @Level 5.1
	VC1		1080P @ 60fps	45Mbps	. Advanced Profile @Level 3 . Simple Profile . Main Profile
	VP8			50Mbps	
	VP9			100Mbps	Profile0/2
AVI	Mpeg1,2	.avi	1080P @ 60fps	40Mbps 80Mbps	MP @ HL
	Mpeg4			40Mbps	. Simple Profile . Advanced Simple Profile@Level 5
	H.263				
	H.264		4096x2160 @ 60fps 1080P @ 60fps	135Mbps	Main Profile and High Profile@Level 5.0
	VC1		1080P @ 60fps	45Mbps	. Advanced Profile @Level 3 . Simple Profile . Main Profile
	Motion JPEG		640x480@30fps	10Mbps	
ASF	Mpeg1	.asf	1080P @ 60fps	40Mbps	MP @ HL
	Mpeg2			80Mbps	MP @ HL
	Mpeg4			40Mbps	Simple Profile and Advanced Simple Profile @Level 5
	H.264		4096x2160 @ 60fps 1080P @ 60fps	135Mbps	Main Profile and High Profile@Level 5.0
	VC1		1080P @ 60fps	45Mbps	. Advanced Profile @Level 3 . Simple Profile . Main Profile
	Motion JPEG		640x480@30fps	10Mbps	

Audio

Container	Audio Codec(file type)	File Extension Name	Bit Rate
MP3	MPEG1/2 Layer1	.MP3	32Kbps ~ 448Kbps(Bit rate) 16KHz ~ 48KHz(Sampling rate)
	MPEG1/2 Layer2		8Kbps ~ 384Kbps(Bit rate) 16KHz ~ 48KHz(Sampling rate)
	MPEG1/2.5 Layer3		8Kbps ~ 320Kbps(Bit rate) 8KHz ~ 48KHz(Sampling rate)
	LPCM	N/A (work with video files only)	Bitrate: 64Kbps ~ 1.5Mbps Sampling Rate: 8KHz ~ 48KHz
	IMA-ADPCM/MS-ADPCM		Bitrate: 32Kbps~384K bps Sampling Rate: 8KHz ~ 48KHz
AAC/MP4	AAC, HEAAC	.m4a.aac	AAC-LC:12Kbps ~ 576Kbps(Bit rate) V1:6Kbps ~ 288Kbps(Bit rate) V2:3Kbps ~ 144Kbps(Bit rate) 8KHz ~ 48KHz(Sampling rate)
AC3/MP4	AC3	N/A (work with video files only)	Bitrate: 32Kbps ~ 640Kbps Sampling Rate: 32KHz , 44.1KHz , 48KHz
EAC3/MP4	EAC3		Bitrate: 32Kbps ~ 6Mbps Sampling Rate: 32KHz , 44.1KHz , 48KHz

Photo

Container	File Extension Name	Photo	Resolution	Required DRAM size (Mbytes)	bytes
JPEG	.jpeg	Base-line	15360x8640 (1920x8 1080x8)	3.96	414720
		Progressive	1024x768	6.00	6291456
	.jpg	Base-line	15360x8640 (1920x8 1080x8)	3.96	414720
		Progressive	1024x768	6.00	6291456
PNG	.png	non-interface	9600x6400	3.66	3840000
		interface	1200x800	3.66	3840000
BMP	.bmp		9600x6400	3.66	3840000

Note:

- Some files may not be played back even if they fulfil these conditions.
- The device may become unusable with this TV if the file or folder names are changed.

Disclaimer about Using Home Features

Network application contents and services are controlled by network application providers by means of networks and transmission facilities, which are subject to alteration, suspension, removal, termination or interruption, or invalid access at any time without further notice in that the manufacturer is unable to control or to be informed of the aforesaid change. The manufacturer makes a further declaration that it disclaims any responsibility or liability arising from customer's failure to use the network application contents and services caused by, including but not limited to, failure of network connection or communication lines, technological updates, or the alteration, suspension, interruption, termination, disabling, or removal of any contents or services by the network application providers etc.

Note:

- Some USB storage devices may not be compatible to operate smoothly with this TV.
- Back up all of the data in the USB storage device in case data was lost due to an unexpected accident.
- We do not assume any liability for the losses by misuse or malfunction. Data backup is consumer's responsibility.
- For large file sizes, the loading speed may be slightly longer.
- The recognition speed of a USB storage device may depend on each device.
- When connecting or disconnecting the USB storage device, ensure that the TV is not in USB mode otherwise the USB storage device or the files stored in it may be damaged.
- Please use only a USB storage device which is formatted in FAT16, FAT32, NTFS file system provided with the Windows operating system. In case of a storage device formatted as a different utility program which is not supported by Windows, it may not be recognized.
- When using a USB Hard Disk Drive which requires electric power source, ensure its power does not exceed 500mA. If the power of the USB hard Disk exceed 500mA, the TV system will be changed into standby mode, then you must pull away the USB hard Disk and restart the TV system.
- An "Unsupported File" message will be displayed if the file format is unsupported or corrupted.
- FHD big picture needs longer time to process, which is not caused by the TV. Please be patient to wait.
- This TV may not support some multimedia files changed and upgraded as the change of encoding format or other technical advances.
- In case data was lost due to an unexpected accident. We do not assume any liability for the losses by misuse or malfunction. Data backup is consumer's responsibility.

Do not power off the TV during the software upgrading process, otherwise the TV may not work, and the customer should be responsible.

The browser may not support some web pages or videos due to network failure, difference of regions or service interruption, which has nothing to do with the TV.

Each trade mark indicated on this TV are the property of each trademark right holder, and all rights are reserved by them.

This product uses certain open sources software:
For necessary legal information, please see the support page of this product.
(<http://www.panasonic.com/middleeast/en/support.html>)

Maintenance

First, remove the mains plug from the socket outlet.

Regular care:

Gently wipe the surface of the display panel, cabinet, or pedestal by using a soft cloth to clean the dirt or fingerprints.

Mains plug

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



Caution

Do not use a hard cloth or rub the surface too hard, otherwise this may cause scratches on the surface.

- Take care not to subject the TV' surfaces to water or detergent Liquid inside the TV could lead to product failure.

- Take care not to subject the surface to insect repellent, solvent, thinner or other volatile substances. This may degrade surface quality or cause peeling of the paint.

- The surface of the display panel is specially treated and may be easily damaged. Take care not to tap or scratch the surface with your fingernail or other hard objects.

- Do not allow the cabinet and pedestal to make contact with a rubber or PVC substance for a long time. This may degrade surface quality.

Specifications

Model No.		TH-65GX706M TH-65GX706MF
Power Source		110 - 240 V ~ 50/60 Hz
Power Consumption	Power Rating	200 W
	Standby Condition	< 0.5W
Display Panel	Visible Screen Size	165 cm
	Resolution	3840 X 2160
Dimensions (L X B X H)	with Pedestal TV only	144.6 X 31.1 X 92.1 cm 144.6 X 8.9 X 83.9 cm
	Net Weight	17.8 kg (with Pedestal) 17.2 kg (TV only)
Gross Weight		28.5 kg
Sound	Speaker	6 Ω
	Audio Output	10 W + 10 W
TV System		DTV: DVB-T/T2/C
		ATV: PAL/SECAM BG/DK/I/NTSC-M
Connection Terminals	AV IN	AUDIO L/R RCA pin type x 2 VIDEO RCA pin type x 1
	ANTENNA IN	Aerial Connector x 1
	HDMI	HDMI Connector x 3
	USB	USB 2.0 Connector x 1 DC 5 V, Max. 500mA USB 2.0 Connector x 1 DC 5 V, Max. 900mA
	DIGITAL AUDIO OUT	Optical x 1
	LAN IN	Network Connector x 1

Note:

1. Design and Specifications are subject to change without notice.
2. Weight and Dimensions shown herein are approximate
3. The graphics in this manual are only for reference.
4. Your TV may be slightly different from that shown in this manual.
5. In dry environment due to static electricity, the product may restart and return to the main OSD interface, USB player interface or the previous source mode. It is normal and please continue to operate the TV.

UAE-TRA
REGISTERED No.
ER71831/19
DEALER No.
DA0052708/10