Panasonic®

Operating Instructions
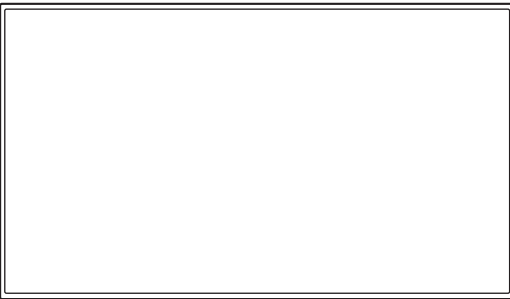## Basic Guide

UHD LCD Display | For business use

English

Model No.
TH-86CQ1W 86-inch model
TH-75CQ1W 75-inch model
TH-65CQ1W 65-inch model
TH-55CQ1W 55-inch model
TH-50CQ1W 50-inch model
TH-43CQ1W 43-inch model

Contents

Read before use

For more information about this product, please read the "Operating Instructions – Functional Manual".

To download the "Operating Instructions – Functional Manual", please visit the Panasonic website (https://panasonic.net/cns/prodisplays/).

- Please read these instructions before operating your set and retain them for future reference.
- Illustrations and screens in this Operating Instructions are images for illustration purposes, and may be different from the actual ones.
- Descriptive illustrations in this Operating Instructions are created mainly based on the 55-inch model.

4K PROFESSIONAL
*Actual resolution: 3840 × 2160p

HDMI™

DOLBY AUDIO™

Manufactured under license from Dolby Laboratories.
Dolby, Dolby Audio and the double-D symbol are trademarks of Dolby Laboratories.

EU

To maintain compliance with EMC regulations, use shielded cables to connect to the following terminals: HDMI input terminal, D-sub input terminal and RS-232C input terminal.

WARNING:

- For permanently connected equipment, a readily accessible disconnect device shall be incorporated in the building installation wiring.
- For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

Note:

Image retention may occur. If you display a still picture for an extended period, the image might remain on the screen. However, it will disappear when a general moving picture is displayed for a while.

Trademark Credits

- Microsoft, Windows, Internet Explorer and Microsoft Edge are the registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Mac, macOS and Safari are the trademarks of Apple Inc. registered in the United States and other countries.
- HDMI, High-Definition Multimedia Interface and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.
- Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio and the double-D symbol are trademarks of Dolby Laboratories.

Even if no special notation has been made of company or product trademarks, these trademarks have been fully respected.

Important Safety Notice

WARNING

1) To prevent damage which may result in fire or shock hazard, do not expose this appliance to dripping or splashing.

   Do not place containers with water (flower vase, cups, cosmetics, etc.) above the set. (including on shelves above, etc.)

   No naked flame sources, such as lighted candles, should be placed on / above the set.

2) To prevent electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

3) [86-inch model]

   Do not remove the earthing pin on the power plug. This apparatus is equipped with a three pin earthing-type power plug. This plug will only fit an earthing-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician.

   Do not defeat the purpose of the earthing plug.

4) [86-inch model]

   To prevent electric shock, ensure the earthing pin on the AC cord power plug is securely connected.

CAUTION

This appliance is intended for use in environments which are relatively free of electromagnetic fields.

Using this appliance near sources of strong electromagnetic fields or where electrical noise may overlap with the input signals could cause the picture and sound to wobble or cause interference such as noise to appear.

To avoid the possibility of harm to this appliance, keep it away from sources of strong electromagnetic fields.

WARNING:

This equipment is compliant with Class A of CISPR32.

In a residential environment this equipment may cause radio interference.

This equipment is not suitable for use in locations where children are likely to be present.

IMPORTANT INFORMATION: Stability Hazard

Never place a display in an unstable location. A display 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 display.
- Only using furniture that can safely support the display.
- Ensuring the display is not overhanging the edge of the supporting furniture.
- Not placing the display on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the display to a suitable support.
- Not placing the display on cloth or other materials that may be located between the display and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the display or its controls.

If the existing display is going to be retained and relocated, the same considerations as above should be applied.

86-inch model

IMPORTANT: THE MOULDED PLUG
FOR YOUR SAFETY, PLEASE READ THE FOLLOWING TEXT CAREFULLY.

This display is supplied with a moulded three pin mains plug for your safety and convenience. A 10 amp fuse is fitted in this plug. Shall the fuse need to be replaced, please ensure that the replacement fuse has a rating of 10 amps and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark ⟨ASA⟩ or the BSI mark ▽ on the body of the fuse.

If the plug contains a removable fuse cover, you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic dealer.

Do not cut off the mains plug.

Do not use any other type of mains lead except the one supplied with this display.

The supplied mains lead and moulded plug are designed to be used with this display to avoid interference and for your safety.
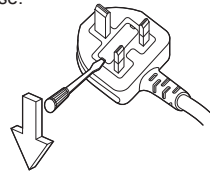
If the socket outlet in your home is not suitable, get it changed by a qualified electrician.

If the plug or mains lead becomes damaged, purchase a replacement from an authorized dealer.

WARNING : — THIS DISPLAY MUST BE EARTHED

How to replace the fuse.

Open the fuse compartment with a screwdriver and replace the fuse.

75-inch model | 65-inch model | 55-inch model
50-inch model | 43-inch model

IMPORTANT: THE MOULDED PLUG
FOR YOUR SAFETY, PLEASE READ THE FOLLOWING TEXT CAREFULLY.

This display is supplied with a moulded three pin mains plug for your safety and convenience. A 5 amp fuse is fitted in this plug. Shall the fuse need to be replaced, please ensure that the replacement fuse has a rating of 5 amps and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark ⬙ or the BSI mark ▽ on the body of the fuse.

If the plug contains a removable fuse cover, you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic dealer.

Do not cut off the mains plug.

Do not use any other type of mains lead except the one supplied with this display.

The supplied mains lead and moulded plug are designed to be used with this display to avoid interference and for your safety.

If the socket outlet in your home is not suitable, get it changed by a qualified electrician.

If the plug or mains lead becomes damaged, purchase a replacement from an authorized dealer.

How to replace the fuse.

Open the fuse compartment with a screwdriver and replace the fuse.
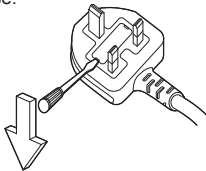
Safety Precautions

WARNING

■ Setup

When installing the wall hanging bracket, read the operating instructions supplied with it carefully and install properly.

We are not responsible for any product damage, etc. caused by failures in the installation environment for the pedestal or wall hanging bracket even during the warranty period.

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.

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

• The display may fall off or tip over.

Install this unit at a location with minimal vibration and which can support the weight of the unit.

• Dropping or falling of the unit may cause injury or malfunction.

Cautions for Wall or Pedestal Installation

• The installation should be performed by an installation professional. Installing the display incorrectly may lead to an accident that results in death or serious injury.

• When installing on a wall, the specified wall hanging bracket or a wall hanging bracket that conforms to VESA standards must be used.

• Some wall hanging brackets cannot be used due to the structure of the product. Check the product drawing before using.

86-inch model : VESA 600 × 400
75-inch model : VESA 400 × 400
65-inch model : VESA 400 × 200
55-inch model : VESA 400 × 200
50-inch model : VESA 400 × 200
43-inch model : VESA 200 × 200

(see page 7)

• Before installation, be sure to check if the mounting location has enough strength to support the weight of the display and the wall hanging bracket for anti drop.

• If you terminate the use of the product, ask a professional to remove it promptly.

• When mounting the display on the wall, prevent the mounting screws and power cable from contacting metal objects inside the wall. An electric shock may occur if they contact metal objects inside the wall.

■ When using the LCD Display

The display is designed to operate on 220 - 240 V ∼ , 50/60 Hz.

If problems or malfunction occur, stop using immediately.

If problems occur, unplug the power supply plug.

- Smoke or an abnormal odour come out from the unit.
- No picture appears or no sound is heard, occasionally.
- Liquid such as water or foreign objects got inside the unit.
- The unit has deformed or broken parts.

If you continue to use the unit in this condition, it could result in fire or electric shock.

- Unplug the power supply plug from the wall outlet, and then contact the dealer for repairs.
- To cut off the power supply to this display completely, you need to unplug the power supply plug from the wall outlet.
- Repairing the unit yourself is dangerous, and shall never be done.
- To enable to unplug the power supply plug immediately, use the wall outlet which you can reach easily.

Do not touch the unit directly by hand when it is damaged.

- Electric shock could occur.

Do not stick any foreign objects into the display.

- Do not insert any metal or flammable objects into the ventilations holes or drop them onto the display, as doing so can cause fire or electric shock.

Do not remove the cover (cabinet) or modify it.

- High voltages which can cause fire or electric shocks are present inside the display. For any inspection, adjustment and repair work, please contact your local Panasonic dealer.

Ensure that the mains plug is easily accessible.

86-inch model

The mains plug shall be connected to a mains socket outlet with a protective earthing connection.

Do not use any power supply cord other than that provided with this unit.

- Doing so may cause short-circuit, generates heat, etc., which could cause electric shock or fire.

Do not use the supplied power supply cord with any other devices.

- Doing so may cause short-circuit, generates heat, etc., which could cause electric shock or fire.

Clean the power supply plug regularly to prevent it becoming dusty.

- If there is a build up of dust on the plug, the resultant humidity may cause short-circuit, which could cause electric shock or fire. Unplug the power supply plug from the wall outlet and wipe it with a dry cloth.

Do not handle the power supply plug with wet hands.

- Doing so may cause electric shocks.

Securely insert the power supply plug (socket outlet side) and the power supply connector (main unit side) as far as it will go.

- If the plug is not fully inserted, heat may be generated which could cause fire. If the plug is damaged or the wall socket is loose, they shall not be used.

Do not do anything that may damage the power supply cord or the power supply plug.

- Do not damage the cable, make any modifications to it, place heavy objects on top of it, heat it, place it near any hot objects, twist it, bend it excessively or pull it. To do so may cause fire and electric shock. If the power cable is damaged, have it repaired at your local Panasonic dealer.

Do not touch the power supply cord or the plug directly by hand when they are damaged.

- Doing so may cause electric shock or fire due to short-circuit.

Keep the supplied R03/LR03 batteries out of reach of children. If accidentally swallowed, it will be harmful to the body.

- Please contact a doctor immediately in case you doubt that the child may have swallowed it.

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

CAUTION

Do not place any objects on top of the display.

Ventilation should not be impeded by covering the ventilation openings with items such as newspapers, table cloths and curtains.

- Doing so may cause the display to overheat, which can cause fire or damage to the display.

For sufficient ventilation, see page 7

Do not place the display where it may be affected by salt or corrosive gas.

- Doing so may cause the display to fall due to corrosion, and it may result in injury. Also, the unit may malfunction.

The following number of people are required to carry or unpack this unit.

[86-inch model] **: 4 or more**

[75-inch model] [65-inch model] [55-inch model]
[50-inch model] [43-inch model] **: 2 or more**

- If this is not observed, the unit may drop, resulting in injury.

When disconnecting the power supply cord, always pull on the plug (socket outlet side) / the connector (main unit side).

- Pulling the cord may damage the cord, and it may cause electric shock or fire due to short-circuit.

Be sure to disconnect all cables before moving the display.

- If the display is moved while some of the cables are still connected, the cables may become damaged, and fire or electric shock could result.

Disconnect the power supply plug from the wall socket as a safety precaution before carrying out any cleaning.

- Electric shocks can result if this is not done.

Do not step on, or hang from the display or the Pedestal.

- They might tip over, or might be broken and it may result in injury. Pay special attention to the children.

Do not reverse the polarity (+ and -) of the battery when inserting.

- Mishandling the battery may cause its explosion or leakage, resulting in fire, injury or damage to surrounding properties.
- Insert the battery correctly as instructed. (see page 10)

Do not use batteries with the outer cover peeling away or removed.

- Mishandling the batteries may cause the batteries to short circuit, resulting in fire, injury or damage to surrounding properties.

Remove the batteries from the remote control transmitter when not using for a long period of time.

- The battery may leak, heat, ignite or burst, resulting in fire or damage to surrounding properties.

Remove exhausted batteries from the remote control immediately.

- Leaving the batteries unattended in it may cause battery leakage, heat or burst.

Do not burn or breakup batteries.

- Batteries must not be exposed to excessive heat such as sunshine, fire or the like.

Do not turn the display upside down.

Do not position the unit with its liquid crystal panel facing upright.

Precautions for use

Cautions when installing

Do not set up the display outdoors.

· The display is designed for indoor use.

Install this unit at a location which can support the weight of the unit.

· Dropping or falling of the unit may cause injury.

Environmental temperature to use this unit

· When using the unit where it is below 1 400 m (4 593 ft) above sea level: 0 °C to 40 °C (32 °F to 104 °F)

· When using the unit at high altitudes (1 400 m (4 593 ft) and higher and below 2 800 m (9 186 ft) above sea level): 0 °C to 35 °C (32 °F to 95 °F)

Do not install the unit where it is 2 800 m (9 186 ft) and higher above sea level.

· Failure to do so may shorten the life of the internal parts and result in malfunctions.

We are not responsible for any product damage, etc. caused by failures in the installation environment even during the warranty period.

Transport only in upright position!

· Transporting the unit with its liquid crystal panel facing upright or downward may cause damage to the internal circuitry.

Do not grab the liquid crystal panel.

· Do not forcibly press the liquid crystal panel, or push it with a pointed object. Applying a strong force to the liquid crystal panel will cause unevenness of the screen display, resulting in malfunction.

Do not install the product to a place where the product is exposed to direct sunlight.

· If the unit is exposed to direct sunlight even indoors, the temperature rise of the liquid crystal panel may cause malfunction.
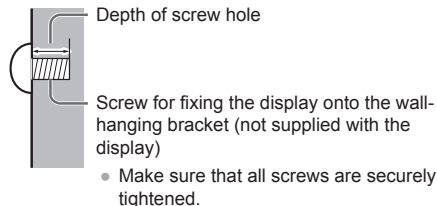
Required space for ventilation

· When using the pedestal, leave a space of 10 cm (3 15/16”) or more at the top, left and right, and 5 cm (1 31/32”) or more at the rear, and also keep the space between the bottom of the display and the table surface.

· If using some other setting-up method (wall-hanging, etc.), follow the manual of it. (If there is no specific indication of installation dimension in the installation manual, leave a space of 10 cm (3 15/16”) or more at the top, bottom, left and right, and 5 cm (1 31/32”) or more at the rear.)

Minimum distance:

a: 10 cm
(3 15/16”)

b: 5 cm
(1 31/32”)
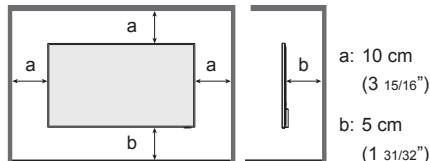
· Operation of this unit is guaranteed up to an ambient temperature of 40 °C (104 °F). When installing the unit in a case or chassis, be sure to provide adequate ventilation with a cooling fan or ventilation hole so that the surrounding temperature (inside the case or chassis) including the temperature of the front surface of the liquid crystal panel can be kept at 40 °C (104 °F) or less.

About the screws used when using a wall hanging bracket that conforms to VESA standards

Depth of screw hole

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

● Make sure that all screws are securely tightened.

(View from the side)

Inch model	Screw pitch for installation	Depth of screw hole	Screw (quantity)
86	600 mm × 400 mm	18 mm	M8 (4)
75	400 mm × 400 mm	18 mm	M8 (4)
65	400 mm × 200 mm	17 mm	M6 (4)
55	400 mm × 200 mm	17 mm	M6 (4)
50	400 mm × 200 mm	17 mm	M6 (4)
43	200 mm × 200 mm	14 mm	M6 (4)

Note for connection

Removing and inserting the power cord and connection cables

· When the unit has been installed on the wall, if the power cord and connection cables are difficult to remove and insert, make connections first before installation. Be careful not to allow the cables to be entangled. After installation is completed, insert the power plug to the outlet.

When using

Red, blue or green dots on the screen are a liquid crystal panel-specific phenomenon. This is not a malfunction.

- Although the liquid crystal display is manufactured with high-precision technology, always-lighting dots or non-lighting dots may appear on the screen. This is not a malfunction.

Inch model	Dot omission ratio*
86, 75	0.00007% or less
65, 55, 50, 43	0.00005% or less

* Calculated in sub-pixel units according to the ISO09241-307 standard.

Depending on the temperature or humidity conditions, uneven brightness may be observed. This is not a malfunction.

- This unevenness will disappear while applying current continuously. If not, consult the distributor.

If the display is not going to be used for any prolonged length of time, unplug the power supply plug from the wall outlet.

Picture noise may occur if you connect / disconnect the cables connected to the input terminals you are currently not watching, or if you turn the power of the video equipment on / off, but it is not a malfunction.

Notes on Using Wired LAN

When setting up the display at a place, where electric statistic occurs often, take a sufficient antistatic measure before start using.

- When the display is used at a location, where static electricity occurs often, such as on a carpet, a wired LAN communication is disconnected more often. In that case, remove static electricity and the noise source that may cause problems with an antistatic mat, and re-connect the wired LAN.
- In rare cases, the LAN connection is disabled due to static electricity or noise. In that case, turn off the power of the display and the connected devices once and then re-turn on the power.

The display may not work properly due to strong radio wave from the broadcast station or the radio.

- If there is any facility or equipment, which outputs strong radio wave, near the installation location, set up the display at a location sufficiently far from the source of the radio wave. Or, wrap the LAN cable connected to the LAN terminal by using a piece of metal foil or a metal pipe, of which is grounded at both ends.

Request Regarding Security

When using this unit, take safety measures against the following incidents.

- Personal information being leaked via this unit
- Unauthorized operation of this unit by a malicious third party
- Interfering or stopping of this unit by a malicious third party

Take sufficient security measures.

- Set a password for the LAN control and restrict the users who can log in.
- Make your password difficult to guess as much as possible.
- Change your password periodically.
- Panasonic Corporation or its affiliate companies will never ask for your password directly. Do not divulge your password in case you receive such inquiries.
- The connecting network must be secured by a firewall, etc.
- When disposing the product, initialize the data before disposing.

Cleaning and maintenance

First, remove the mains plug from the mains socket.

Gently wipe the surface of the liquid crystal panel or cabinet by using a soft cloth to remove dirt.

- To remove stubborn dirt or fingerprints on the surface of the liquid crystal panel, dampen a cloth with diluted neutral detergent (1 part detergent to 100 parts water), wring out the cloth firmly, and then wipe away the dirt. Finally, wipe away all the moisture with a dry cloth.
- If water droplets get inside the unit, operating problems may result.

(**Note**)

- The surface of the liquid crystal panel is specially treated. Do not use a hard cloth or rub the surface too hard, otherwise this may cause scratches on the surface.

Usage of a chemical cloth

- Do not use a chemical cloth for the liquid crystal panel surface.
- Follow the instructions for the chemical cloth to use it for the cabinet.

Avoid contact with volatile substances such as insect sprays, solvents and thinner.

- This may cause damage to the cabinet or cause peeling of the paint. Furthermore, do not leave it in contact with a rubber or PVC substance for a long time.

Disposal

When disposing the product, ask your local authority or dealer about the correct methods of disposal.

Accessories
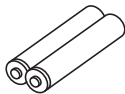
Accessories Supply

Check that you have the accessories and items shown.

Remote Control Transmitter × 1

● DPVF2599ZA/X1

Batteries for the Remote Control Transmitter × 2
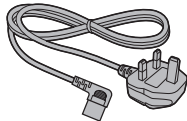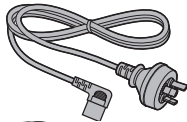
(R03/LR03 type)
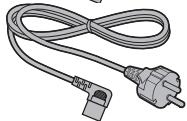
Power supply cord

TH-86CQ1W

(Approx. 2 m)

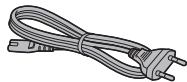● DPVF2717ZA/X1

● DPVF2718ZA/X1

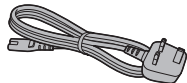● DPVF2719ZA/X1

TH-75CQ1W
TH-65CQ1W
TH-55CQ1W
TH-50CQ1W
TH-43CQ1W

(Approx. 1.8 m)

● TZSH03039

● TZSH03040

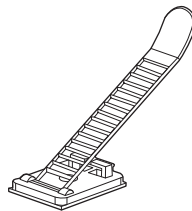● DPVF2792ZA/X1
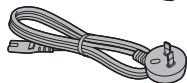
Clamper (large) × 2

● DPVF1654ZA

Clamper (small) × 1

● DPVF1653ZA

Attention

● Store small parts in an appropriate manner, and keep them away from young children.

● The part numbers of accessories are subject to change without notice. (The actual part number may differ from the ones shown above.)

● In case you lost accessories, please purchase them from your dealer. (Available from the customer service)

● Dispose the packaging materials appropriately after taking out the items.

Remote Control Batteries
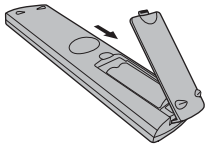
Open the battery cover.
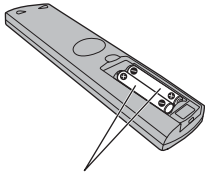
Insert batteries and close the battery cover.

(Insert starting from the ⊖ side.)

R03/LR03 type

> **Note**

- Incorrect installation of the batteries can cause battery leakage and corrosion that will damage the remote control.
- Disposal of batteries should be done in an environment-friendly manner.

Take the following precautions.

1. Batteries shall always be replaced as a pair.
2. Do not combine a used battery with a new one.
3. Do not mix battery types (example; manganese dioxide battery and alkaline battery etc.).
4. Do not attempt to charge, disassemble or burn used batteries.
5. Do not burn or breakup batteries.

   Moreover, batteries must not be exposed to excessive heat such as sunshine, fire or the like.
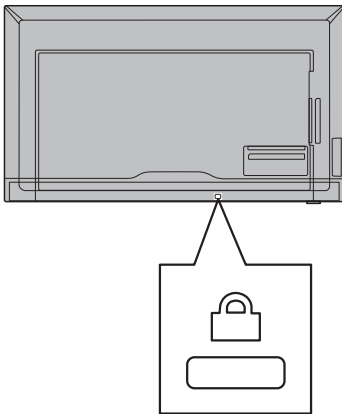
Kensington security

The security slot of this unit is compatible with the Kensington security slot.

65-inch model
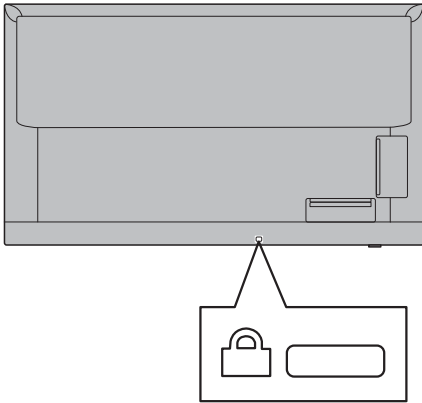
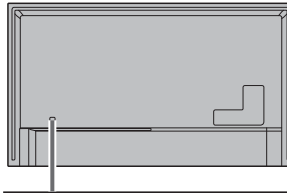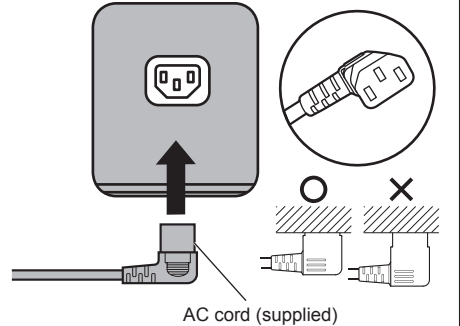55-inch model   50-inch model   43-inch model

Connections

AC cord connection and fixing / Cable fixing

86-inch model

Back of the unit
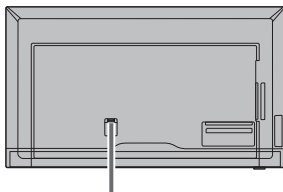

AC cord fixing

AC cord (supplied)

Plug the connector into the display unit.

Note

- When disconnecting the AC cord, be absolutely sure to disconnect the AC cord plug at the socket outlet first.

- The supplied AC cord is for this unit exclusive use. Do not use this for other purposes.

Back of the unit

Insert the AC cord securely all the way seated on the back side of the unit.

75-inch model

AC cord
(supplied)

65-inch model | 55-inch model
50-inch model | 43-inch model

AC cord
(supplied)

Insert the plug until the line is hidden.

▣ Class II equipment

Note

● When disconnecting the AC cord, be absolutely sure to disconnect the AC cord plug at the socket outlet first.

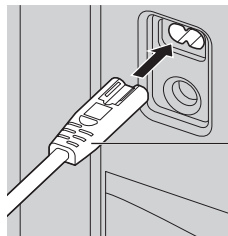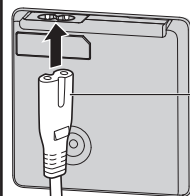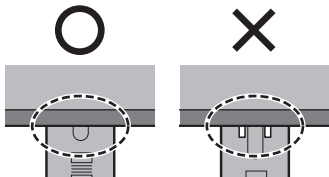● The supplied AC cord is for this unit exclusive use. Do not use this for other purposes.

Cable fixing

Note

● 3 clampers are supplied with this unit. Fix the cables at 3 locations using the holes for clampers as shown below.

If you need more clampers, purchase them from your dealer. (Available from the customer service)

86-inch model | 75-inch model

1   **2**

65-inch model

1   **2**

55-inch model | 50-inch model | 43-inch model

1   **2**
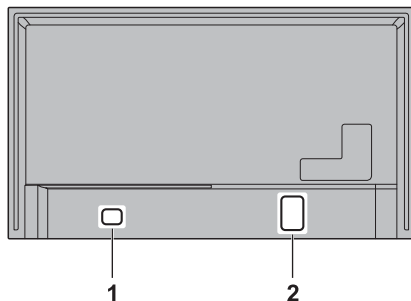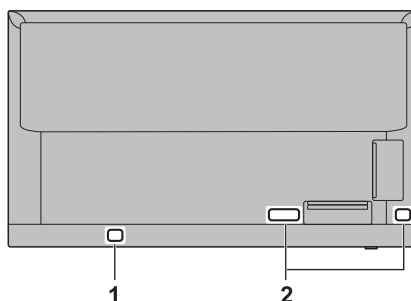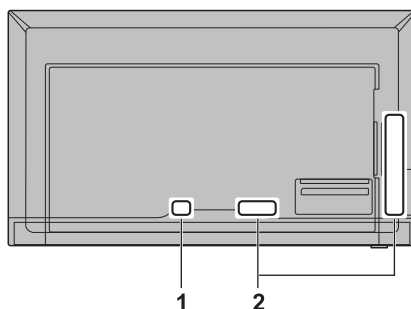
1 For AC cord: clamper (small)
2 For signal cable: clamper (large) x 2

1. Attach the clamper

(Note)

● Wipe off dirt, such as dust, water and oil on the attachment surface, and affix the clamper on the attachment surface by pushing it firmly.

● Once the clamper is affixed, it cannot be reused. Be sure to confirm the attaching position before affixing it.

Remove the tape at the back, and affix the clamper on the flat surface.

Attachment surface
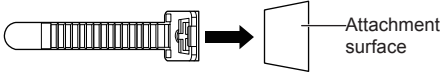
2. Bundle the cables

hooks
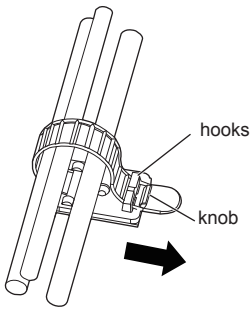
knob

To loosen:

Remove the band from the knob, and pull out the band tip.
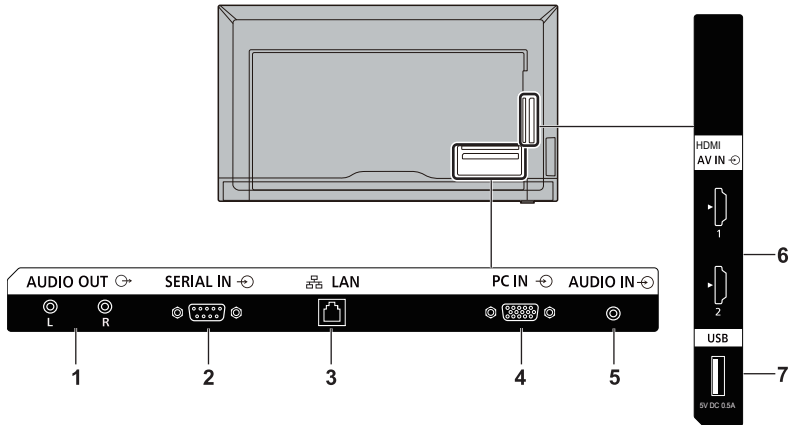
1 AUDIO OUT: **Analogue Audio Output Terminal**

Connect to audio equipment with analogue audio input terminal.

2 SERIAL IN: **SERIAL Input Terminal**

Control the display by connecting to PC.

3 LAN: **LAN Terminal**

Control the display by connecting to Network.

4 PC IN: **PC Input Terminal**

Connect to video terminal of PC.

5 AUDIO IN: **Audio Input Terminal**

6 HDMI 1, HDMI 2:   **HDMI Input Terminal**

Connect to video equipment such as VCR or DVD player, etc.

● Use a commercially available HDMI cable (conforming to the HDMI standard) that supports 4K

7 USB: **USB Terminal**

Connect the USB memory device to the USB port.

Before connecting

- Before connecting cables, carefully read the operating instructions for the external device to be connected.
- Turn off the power of all devices before connecting cables.
- Take note of the following points before connecting the cables. Failure to do so may result in malfunctions.
  - When connecting a cable to the unit or a device connected to the unit itself, touch any nearby metallic objects to eliminate static electricity from your body before performing work.
 - Do not use unnecessarily long cables to connect a device to the unit or to the unit body. The longer the cable, the more susceptible to noise it becomes. Since using a cable while it is wound makes it act like an antenna, it is more susceptible to noise.
  - When connecting cables, insert them straight into the connecting terminal of the connecting device so that the ground is connected first.
- Acquire any cable necessary to connect the external device to the system that is neither supplied with the device nor available as an option.
- If the outer shape of the plug of a connection cable is large, it may come in contact with the periphery such as a back cover or the plug of an adjacent connection cable. Use a connection cable with the suitable plug size for the terminal alignment.
- When connecting the LAN cable with plug cover, be aware that the cover may come in contact with the back cover and it may be difficult to disconnect.
- Some PC models are not compatible with the unit.
- Use cable compensator when you connect devices to the unit using long cables. Otherwise the image may not be displayed properly.

Identifying Controls

Display

65-inch model
55-inch model
50-inch model
43-inch model

86-inch model
75-inch model
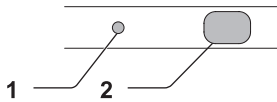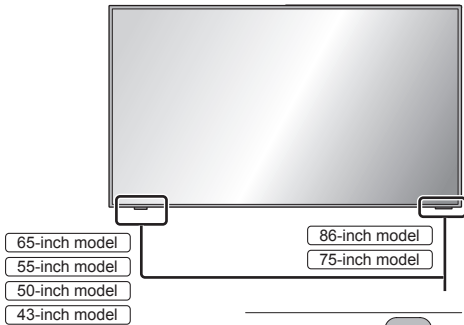
1 Power LED

The Power Indicator will light.

When the power of the unit is ON

(Power button (⏻ (Unit): ON)

- Picture is displayed: Green
- When the unit enters the standby mode: Red

2 Remote control sensor

86-inch model   75-inch model   65-inch model

55-inch model   50-inch model   43-inch model
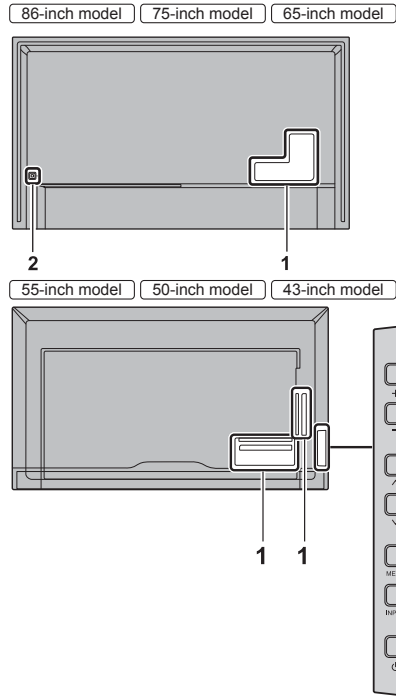
1 **External input / output terminal**

Connects to video equipment, PC, etc. (see page 14)

2 **Power button (⏻) (Unit)**

Turns the power On / Off.

3 **INPUT (Unit)**

Selects the connected device.

Configures the item on menu screen.

4 **MENU (Unit)**

Displays the menu screen.

5 **∧ (Unit) / ∨ (Unit)**

Selects the setting item on menu screen.

6 **+ (Unit) / - (Unit)**

Adjusts the volume.

On the main screen, switches settings or adjusts settings level.

(**Note**)

- To output sound from the built-in speakers of the unit, be sure to set [Speaker] in the [Audio] menu.

Remote Control Transmitter

10 DISPLAY
- Displays information of displayed signal.

11 USB
- Switches to USB device viewing.

12 HDMI
- Selects to fit the input signal.

13 MUTE
- Sound mute on / off.

14 INPUT ∧ / ∨
- Switches input to display on the screen.

15 ASPECT
- Change aspect ratio.

16 MENU
- Press to open the OSD menu.

Note

- In this manual, buttons of the remote control and the unit are indicated as < >.

  (Example: <INPUT>.)

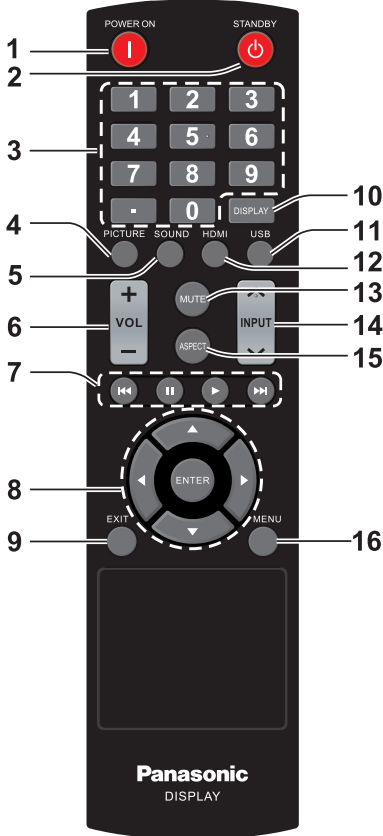 The operation is mainly explained indicating the remote control buttons but you can also operate with the buttons on the unit when there are the same buttons.

1 POWER ON button (|)
- Turns the power on (Picture is displayed) when the display is turned off (Standby condition).

2 STANDBY button (⏻)
- Turns the power off (Standby condition) when the display is turned on.

3 Numeric buttons (0 - 9) / ·
- Input numbers in LAN settings.

4 PICTURE
- Adjust Picture mode.

5 SOUND
- Changes the Sound mode.

6 VOL + / VOL -
- Adjusts sound volume level.

7 Navigation keys (|◀◀, ||, ▶, ▶▶|)
- Used in the USB menu and HDMI CEC function.

8 ENTER / Cursor buttons (▲ ▼ ◀ ▶)
- Used to operate the menu screens.

9 EXIT
- Turns off the menu screens.

Basic Controls

<Power button (⏻) (Unit)>

(Back of the unit)

| 86-inch model |
| 75-inch model |
| 65-inch model |

| 55-inch model |
| 50-inch model |
| 43-inch model |

AC cord
(supplied)

| 65-inch model |
| 55-inch model |
| 50-inch model |
| 43-inch model |

AC socket outlet

| 86-inch model |
| 75-inch model |

Remote Control Sensor /
Power Indicator
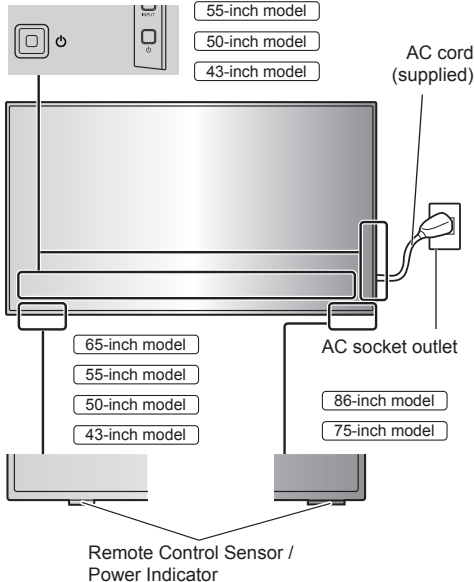
Operate pointing the remote control directly at the unit's
Remote Control Sensor.

Note

● Do not put an obstacle between the remote control
sensor of the main unit and the remote control.
● Operate the remote control in front of the remote
control sensor or from the area where the sensor can
be seen.
● When directly aiming the remote control at the remote
control sensor of the main unit, the distance from
the front of remote control sensor should be approx.
7 m or less. Depending on the angle, the operation
distance may be shorter.
● Do not subject the remote control sensor of the main
unit to the direct sunlight or strong fluorescent light.

1 **Connect the AC cord plug to the
display.**

(see page 11)

2 **Connect the plug to the socket outlet.**

Note

● When disconnecting the AC cord, be absolutely
sure to disconnect the AC cord plug at the
socket outlet first.
● The settings may not be saved if the power plug
is disconnected immediately after changing
settings with on-screen menu. Disconnect the
power plug after a enough period of time. Or,
disconnect the power plug after turning the
power off with the remote control, RS-232C
control or LAN control.

3 **Press the <Power button (⏻)> on the
unit to turn the power of the unit on.**

● Power Indicator: Green (Picture is displayed.)
● When the power of the unit is on, the power
indicator lights up and remote control operation is
possible.
● When the power indicator is lit, it is not necessary
to press the <Power button (⏻) (Unit)> on the
unit. Operate the remote control so that the power
indicator turns green (picture is displayed).

■ **To turn the power ON/OFF with the remote control**

To turn the power on

● When the power of the unit is on (Power Indicator - red), press <POWER ON button (|)> then the picture will be displayed.

● Power Indicator: Green (Picture is displayed.)

To turn the power off (Standby condition)

● When the power of the unit is on (Power Indicator - green), press <STANDBY button (⏻)>, then the power will be turned off.

● Power Indicator: Red (standby)

Note

● After the power plug is disconnected, the power indicator may remain lit for a while. This is not a malfunction.

● Press the <Power button (⏻) (Unit)> on the unit to turn the unit off, when the power of the unit is turned on or in standby mode.

Specifications

Model No.

86-inch model : TH-86CQ1W
75-inch model : TH-75CQ1W
65-inch model : TH-65CQ1W
55-inch model : TH-55CQ1W
50-inch model : TH-50CQ1W
43-inch model : TH-43CQ1W

Power Consumption

86-inch model
330 W
75-inch model
266 W
65-inch model
133 W
55-inch model
125 W
50-inch model
116 W
43-inch model
102 W

- -

Stand-by condition
0.5 W

LCD Display panel

86-inch model
86-inch IPS panel (Edge LED backlight), 16:9 aspect ratio

75-inch model
75-inch IPS panel (Direct LED backlight), 16:9 aspect ratio

65-inch model
65-inch VA panel (Direct LED backlight), 16:9 aspect ratio

55-inch model
55-inch VA panel (Direct LED backlight), 16:9 aspect ratio

50-inch model
50-inch VA panel (Direct LED backlight), 16:9 aspect ratio

43-inch model
43-inch VA panel (Direct LED backlight), 16:9 aspect ratio

Screen size

86-inch model
1 895.0 mm (W) × 1 065.9 mm (H) × 2 174.2 mm (diagonal) / 74.60" (W) × 41.96" (H) × 85.60" (diagonal)

75-inch model
1 649.6 mm (W) × 927.9 mm (H) × 1 892.7 mm (diagonal) / 64.94" (W) × 36.53" (H) × 74.51" (diagonal)

65-inch model
1 428.4 mm (W) × 803.5 mm (H) × 1 638.9 mm (diagonal) / 56.23" (W) × 31.63" (H) × 64.52" (diagonal)

55-inch model
1 209.6 mm (W) × 680.4 mm (H) × 1 387.8 mm (diagonal) / 47.62" (W) × 26.78" (H) × 54.63" (diagonal)

50-inch model
1 095.8 mm (W) × 616.4 mm (H) × 1 257.3 mm (diagonal) / 43.14" (W) × 24.26" (H) × 49.50" (diagonal)

43-inch model
941.1 mm (W) × 529.4 mm (H) × 1 079.8 mm (diagonal) / 37.05" (W) × 20.84" (H) × 42.51" (diagonal)

No. of pixels

8 294 400
(3 840 (Horizontal) × 2 160 (Vertical))

Dimensions (W × H × D)

86-inch model
1 929 mm × 1 103 mm (excluding Remote Control Sensor: 1 100 mm) × 80 mm /
75.92" × 43.41" (excluding Remote Control Sensor: 43.28") × 3.13"

75-inch model
1 684 mm × 969 mm (excluding Remote Control Sensor: 966 mm) × 94 mm /
66.30" × 38.14" (excluding Remote Control Sensor: 38.01") × 3.70"

65-inch model
1 463 mm × 847 mm (excluding Remote Control Sensor: 843 mm) × 97 mm /
57.57" × 33.32" (excluding Remote Control Sensor: 33.17") × 3.81"

55-inch model
1 240 mm × 718 mm (excluding Remote Control Sensor: 713 mm) × 80 mm /
48.79" × 28.25" (excluding Remote Control Sensor: 28.05") × 3.12"

50-inch model
1 124 mm × 653 mm (excluding Remote Control Sensor: 647 mm) × 77 mm /
44.24" × 25.70" (excluding Remote Control Sensor: 25.47") × 3.04"

43-inch model
969 mm × 566 mm (excluding Remote Control Sensor: 560 mm) × 77 mm /
38.12" × 22.26" (excluding Remote Control Sensor: 22.03") × 3.03"

Mass

86-inch model

Approx. 50.0 $_{kg}$ / 111 lbs net

75-inch model

Approx. 34.0 $_{kg}$ / 75 lbs net

65-inch model

Approx. 24.0 $_{kg}$ / 53 lbs net

55-inch model

Approx. 15.0 $_{kg}$ / 34 lbs net

50-inch model

Approx. 13.0 $_{kg}$ / 29 lbs net

43-inch model

Approx. 9.0 $_{kg}$ / 20 lbs net

Power source

220 – 240 V $\sim$ (220 – 240 V alternating current), 50/60 Hz

Operating condition

Temperature

0 °C – 40 °C (32 °F – 104 °F)*¹

Humidity

20 % – 80 % (no condensation)

Storing condition

Temperature

-20 °C – 60 °C (-4 °F – 140 °F)

Humidity

20 % – 80 % (no condensation)

Connection terminals

HDMI 1

HDMI 2

TYPE A Connector*² × 2

Audio signal:

Linear PCM (sampling frequencies: 48 kHz, 44.1 kHz, 32 kHz)

AUDIO IN

Stereo mini jack (M3) × 1, 0.5 Vrms

PC IN

Mini D-sub 15 Pin (Compatible with DDC2B) × 1

AUDIO OUT

RCA jack, 0.5 Vrms

Output: Variable (-∞ – 0 dB)

(1 kHz 0 dB input, 10 kΩ load)

SERIAL IN

External Control Terminal

D-sub 9 Pin × 1:

RS-232C compatible

LAN

Communication method:

RJ45, 10BASE-T / 100BASE-TX / 1000BASE-T

USB

USB connector × 1, TYPE A

DC 5V / 0.5 A

Sound

Speakers

132 mm × 25 mm × 1 / φ 70 mm × 1 × 2 pieces

Audio Output

20 W [10 W + 10 W] (10 % THD)

Remote Control Transmitter

Power source

DC 3 V (battery (R03/LR03 type) × 2)

Operating range

Approx. 7 m (22.9 ft)

(when operated directly in front of remote control sensor)

Mass

Approx. 91 $_g$ / 3.21 oz (including batteries)

Dimensions (W × H × D)

48 mm × 190 mm × 27 mm / 1.89" × 7.48" × 1.06"

---

*1: Environmental temperature to use this unit at high altitudes (1 400 m (4 593 ft) and higher and below 2 800 m (9 186 ft) above sea level): 0 °C to 35 °C (32 °F to 95 °F)

*2: VIERA LINK is not supported.

(**Note**)

● Design and specifications are subject to change without notice. Mass and dimensions shown are approximate.

Disposal of Old Equipment and Batteries
Only for European Union and countries with recycling systems

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries must not be mixed with general household waste. For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points in accordance with your national legislation.
By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment.
For more information about collection and recycling, please contact your local municipality.
Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

Note for the battery symbol (bottom symbol)
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

Information on Disposal in other Countries outside the European Union
These symbols are only valid in the European Union.
If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Customer's Record

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

Model Number   **Serial Number**

Panasonic Testing Centre
Panasonic Service Europe, a division of Panasonic Marketing Europe GmbH
Winsbergring 15, 22525 Hamburg, F.R. Germany