

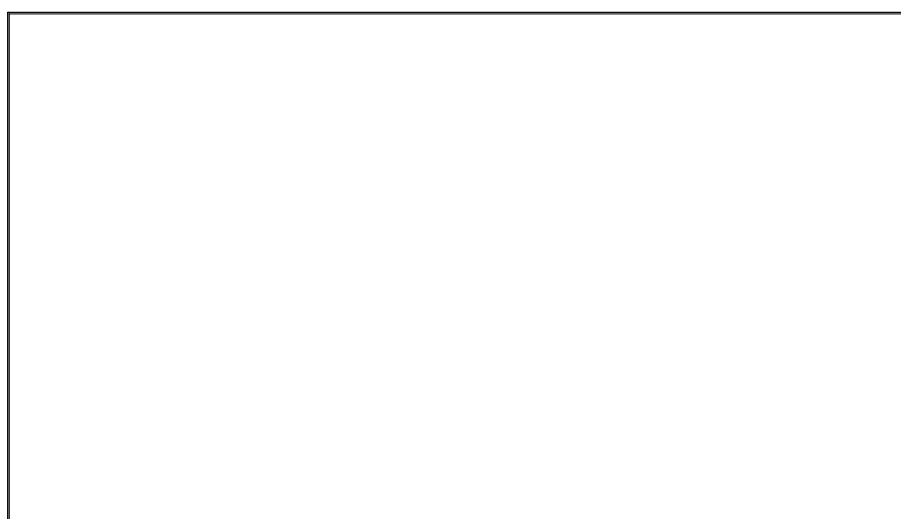
## Operating Instructions

FULL HD LCD Display For business use

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Model No. **TH-55LFV70U**

**TH-55LFV70W**



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

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**English**

Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.

**HDMI**

	<b>WARNING</b> <b>RISK OF ELECTRIC SHOCK</b> <b>DO NOT OPEN</b>	
<b>WARNING: To reduce the risk of electric shock, do not remove cover or back. No user-serviceable parts inside. Refer servicing to qualified service personnel.</b>		



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



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

## Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments / accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) To prevent electric shock, ensure the grounding pin on the AC cord power plug is securely connected.



# 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) 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) 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.

## 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  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.

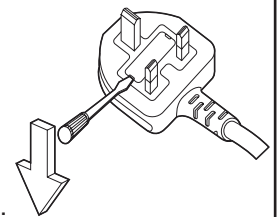
The supplied mains lead and moulded plug are designed to be used with this display to avoid interference and for your safety.

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.



## IMPORTANT INSTALLATION INFORMATION

If a display is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. 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 standing the displays on cloth or other materials placed between the display and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the display or its controls.

### 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 after a while.

# Safety Precautions

## WARNING

### ■ Setup

**This LCD Display is for use only with the following optional accessories. Use with any other type of optional accessories may cause instability which could result in the possibility of injury.**

(All of the following accessories are manufactured by Panasonic Corporation.)

- Mounting Bracket ..... TY-VK55LV1, TY-VK55LV2
- Cover-frame Kit .....TY-CF55VW50

Always be sure to ask a qualified technician to carry out set-up.

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.

**Do not place any objects on top of the Display.**

- If water is spills onto the Display or foreign objects get inside it, a short-circuit may occur which could result in fire or electric shock. If any foreign objects get inside the Display, please consult your local Panasonic dealer.

**Transport only in upright position!**

- Transporting the unit with its display panel facing upright or downward may cause damage to the internal circuitry.

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

**For sufficient ventilation;**

**Leave a space of 10 cm or more at the top, left and right, and 5 cm or more at the rear, and also keep the space between the bottom of the display and the floor surface.**

**Cautions for Wall Installation**

- Wall installation should be performed by an installation professional. Installing the Display incorrectly may lead to an accident that results in death or serious injury. Use the specified optional accessories.
- When installing the Display vertically, be sure to install the power indicator onto the bottom of the Display.

**Caution for Ceiling Suspension**

- Ceiling suspension should be performed by an installation professional. Installing the Display incorrectly may lead to an accident that results in death or serious injury.

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

- If the screen is exposed to direct sunlight, the liquid crystal panel may have adverse effect.

**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.**

**If you terminate the use of the Display on the Wall, Ceiling or Pedestal, ask a professional to remove the Display as soon as possible.**

## ■ When using the LCD Display

The Display is designed to operate on 110-127 V AC (TH-55LFV70U) or 220-240 V AC (TH-55LFV70W), 50/60 Hz.

**Do not cover the ventilation holes.**

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

**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 or modify it in any way.**

- High voltages which can cause severe 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.**

**An apparatus with CLASS I construction 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 fire or electric shocks.

**Securely insert the power supply plug 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 handle the power supply plug with wet hands.**

- Doing so may cause electric shocks.

**Do not do anything that may damage the power cable. When disconnecting the power cable, pull on the plug body, not the cable.**

- 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.

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

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



## ■ If problems occur during use

**If a problem occurs (such as no picture or no sound), or if smoke or an abnormal odour starts to come out from the Display, immediately unplug the power supply plug from the wall outlet.**

- If you continue to use the Display in this condition, fire or electric shock could result. After checking that the smoke has stopped, contact your local Panasonic dealer so that the necessary repairs can be made. Repairing the Display yourself is extremely dangerous, and shall never be done.

**If water or foreign objects get inside the Display, if the Display is dropped, or if the cabinet becomes damages, disconnect the power supply plug immediately.**

- A short circuit may occur, which could cause fire. Contact your local Panasonic dealer for any repairs that need to be made.

## Safety Precautions

### CAUTION

#### ■ When using the LCD Display

**Do not bring your hands, face or objects close to the ventilation holes of the Display.**

- Heated air comes out from the ventilation holes at the top of Display will be hot. Do not bring your hands or face, or objects which cannot withstand heat, close to this port, otherwise burns or deformation could result.

**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.

**Clean the power cable regularly to prevent it becoming dusty.**

- If dust built up on the power cord plug, the resultant humidity can damage the insulation, which could result in fire. Pull the power cord plug out from the wall outlet and wipe the mains lead with a dry cloth.

**Do not burn or breakup batteries.**

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

## Cleaning and maintenance

**The front of the display panel has been specially treated. Wipe the panel surface gently using only a cleaning cloth or a soft, lint-free cloth.**

- If the surface is particularly dirty, wipe with a soft, lint-free cloth which has been soaked in pure water or water in which neutral detergent has been diluted 100 times, and then wipe it evenly with a dry cloth of the same type until the surface is dry.
- Do not scratch or hit the surface of the panel with fingernails or other hard objects, otherwise the surface may become damaged. Furthermore, avoid contact with volatile substances such as insect sprays, solvents and thinner, otherwise the quality of the surface may be adversely affected.

**If the cabinet becomes dirty, wipe it with a soft, dry cloth.**

- If the cabinet is particularly dirty, soak the cloth in water to which a small amount of neutral detergent has been added and then wring the cloth dry. Use this cloth to wipe the cabinet, and then wipe it dry with a dry cloth.
- Do not allow any detergent to come into direct contact with the surface of the Display. If water droplets get inside the unit, operating problems may result.
- Avoid contact with volatile substances such as insect sprays, solvents and thinner, otherwise the quality of the cabinet surface may be adversely affected or the coating may peel off. Furthermore, do not leave it for long periods in contact with articles made from rubber or PVC.

**Usage of a chemical cloth**

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

# FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

## FCC CAUTION:

**To assure continued compliance, follow the attached installation instructions and use only the provided power supply cord. Any changes or modifications not expressly approved by Panasonic Corp. of North America could void the user's authority to operate this device.**

### Declaration of Verification

Model No. TH-55LFV70U

Responsible Party:	Panasonic Corporation of North America Two Riverfront Plaza, Newark, NJ 07102-5490
Contact Source:	Panasonic System Communications Company of North America 1-877-655-2357

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

## CANADIAN NOTICE:

This Class A digital apparatus complies with Canadian ICES-003.

## 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 after a while.

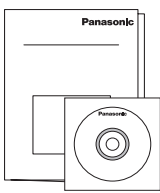
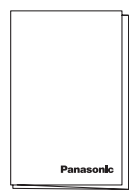

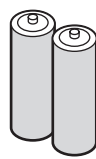

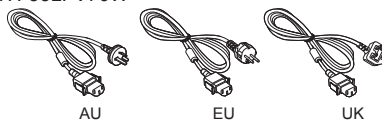

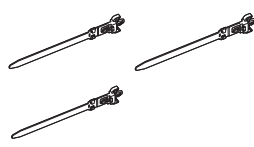

## Trademark Credits

- VGA is a trademark of International Business Machines Corporation.
- Macintosh is a registered trademark of Apple Inc., USA.
- SVGA, XGA, SXGA and UXGA are registered trademarks of the Video Electronics Standard Association.
- Even if no special notation has been made of company or product trademarks, these trademarks have been fully respected.
- HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

# Accessories

## Accessories Supplied

Check that you have the Accessories and items shown

<input type="checkbox"/> Operating instruction	<input type="checkbox"/> Warranty card (TH-55LFV70U)	<input type="checkbox"/> Remote Control Transmitter	<input type="checkbox"/> AAA Batteries for the remote control Transmitter	<input type="checkbox"/> LAN cable (CAT5e)
		 N2QAYA000093	 AAA X 2	 TZZ00001774A
<input type="checkbox"/> AC Power cord	<input type="checkbox"/> Wire Clamper x 3	<input type="checkbox"/> External IR Receiver		
<p>TH-55LFV70W</p>  <p>AU      EU      UK</p> <p>TZZ00000722A    TZZ00000710A    TZZ00000724A</p>	<p>TH-55LFV70U</p>  <p>US</p> <p>TZZ00000671A</p>	 <p>TZZ00000694A</p>	 <p>TZZ00001730A</p>	

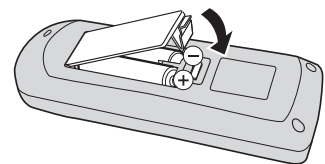
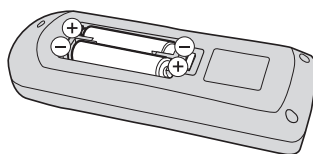
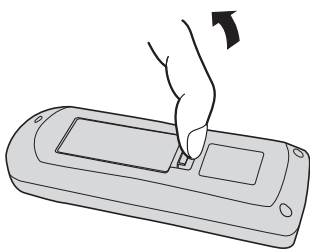
### Attention:

- Store small parts in an appropriate manner, and keep them away from young children.
- Dispose the Power supply cord cap and packaging materials appropriately after taking out the items.

## Remote Control Batteries

Requires two AAA batteries.

1. Pull and hold the hook, then open the battery cover.
2. Insert batteries - note correct polarity (+ and -).
3. Replace the cover.



### Helpful Hint:

For frequent remote control users, replace old batteries with Alkaline batteries for longer life.

### Precaution on battery use

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

### Observe the following precautions:

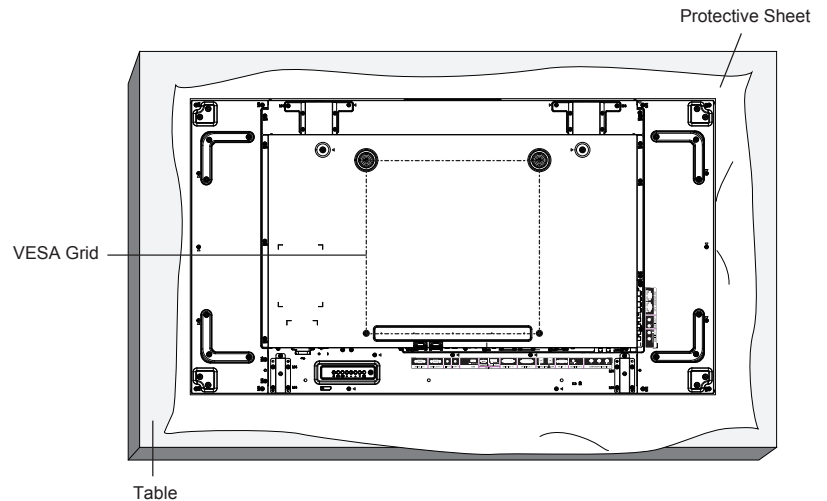
1. Batteries should always be replaced as a pair. Always use new batteries when replacing the old set.
2. Do not combine a used battery with a new one.
3. Do not mix battery types (example: "Zinc Carbon" with "Alkaline").
4. Do not attempt to charge, short-circuit, disassemble, heat or burn used batteries.
5. Battery replacement is necessary when the remote control acts sporadically or stops operating the Display set.
6. Do not burn or breakup batteries.
7. Batteries must not be exposed to excessive heat such as sunshine, fire or the like.



# VESA Mounting

To mount this Display to a wall, you will have to obtain a standard wall-mounting kit.

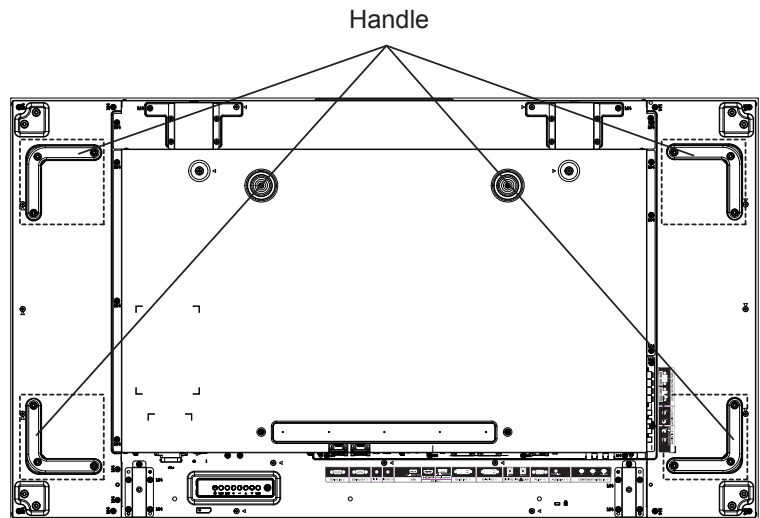
1. Lay a protective sheet on a table, which was wrapped around this Display when it was packaged, beneath the screen surface so as not to scratch the screen face.
2. Ensure you have all accessories for mounting this Display (wall mount, ceiling mount, etc).
3. Follow the instructions that came with the wall mounting kit. Failing to follow the correct mounting procedures could result in damage to the equipment, or injury to the user or install personnel. The product warranty does not cover the damage caused by improper installation.
4. For the wall-mounting kit, use M6 mounting screws (having a length 10 mm longer than the thickness of the mounting bracket) and tighten them securely.



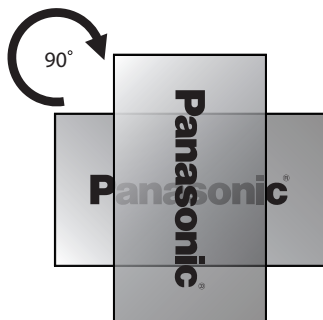
## Cautions when installing or moving

To prevent this Display from falling:

- Grab the handles when moving this Display.
- Do not touch any parts except the handles.
- Handle with care and with more than two persons when moving this Display. Keep in mind that this Display is easy to break from carelessness.
- For ceiling installation, we recommend installing this Display with metal brackets which are commercially available. For detailed installation instructions, refer to the guide received with the respective bracket.
- To lessen the probability of injury and damage resulting from fall of this Display in case of earthquake or other natural disaster, be sure to consult the bracket manufacturer for installation location.
- When carrying the display, do not apply a twisting force to the panel surface.
- For portrait installation, please turn this Display right.



When you install a display by multi, please prepare for 0.5 mm between each display in the state of the power supply OFF.



### NOTE:

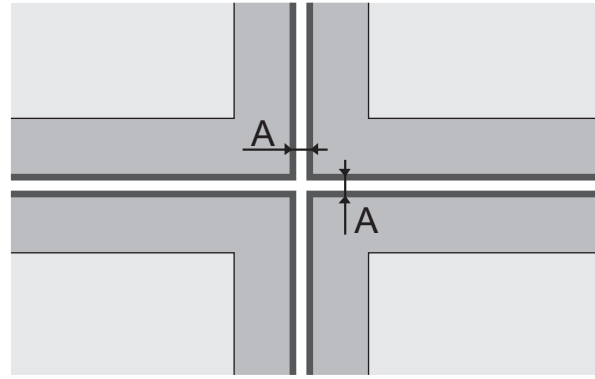
- Please do not rotate and use it for left-hand side.

# Cautions when installing multi displays

## Securing gaps between displays

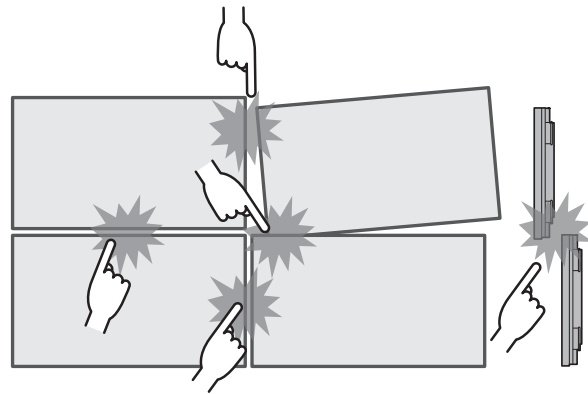
The displays slightly expand due to heat after the power is turned on. When installing multiple displays, securing a gap of 0.5 mm is required on the left, right, top and bottom respectively between displays in anticipation of display contact caused by expansion.

If the gap is less than 0.5 mm, image failure may occur due to display distortion caused by heat expansion.



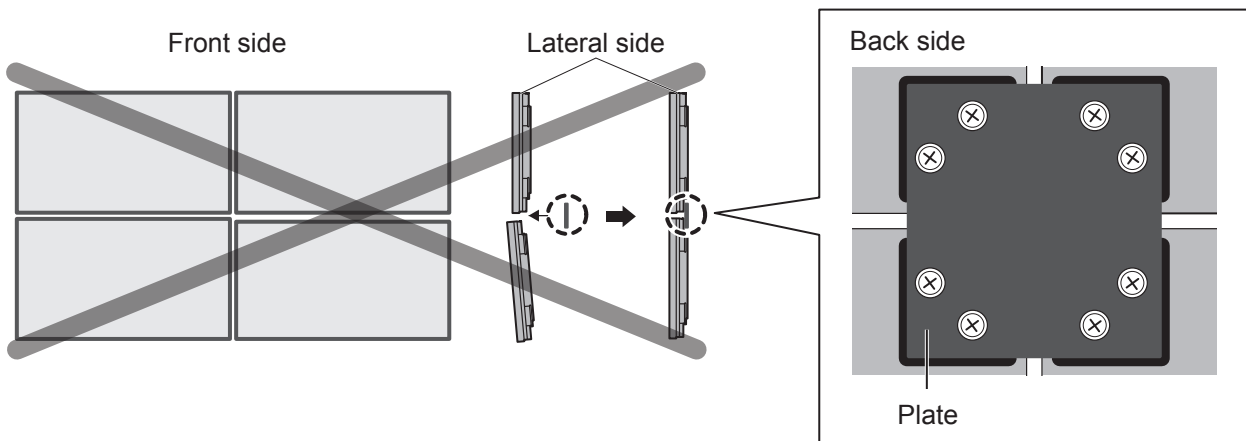
A: Gap between displays (left, right, top and bottom respectively), 0.5 mm

Do not allow the corners of displays to hit each other.



After the displays are attached to the brackets at the back and the positions are adjusted, do not adjust the positions of the front sides using the plate, etc.

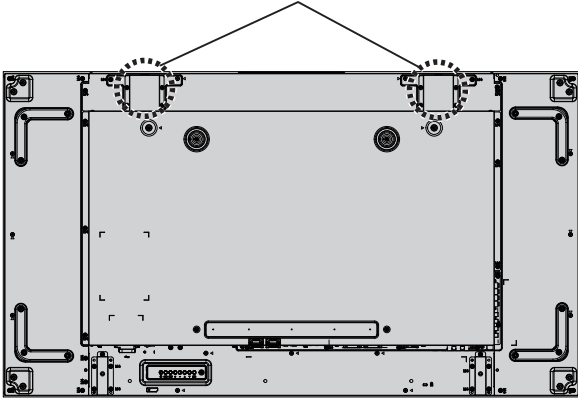
Doing so may cause image failure due to display distortion.



# Ceiling Suspension

You can move the Display by attaching commercially available eyebolts (M10) to it and suspending it from the ceiling, etc.

Eyebolt mounting positions

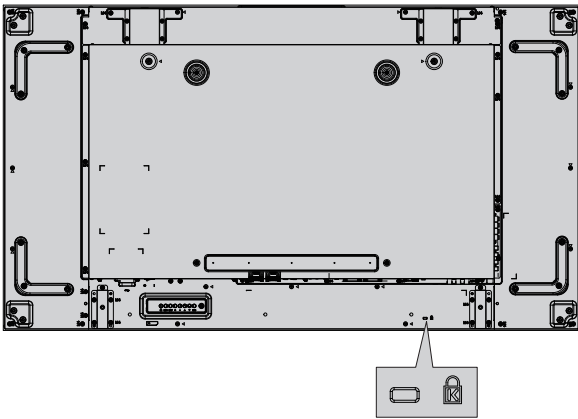


**Note:**

- Suspension and installation should be performed by an installation professional.
- Do not install it using only one eyebolt.
- Use it only for temporary hanging of movement etc.

# Kensington security

## Kensington security slot

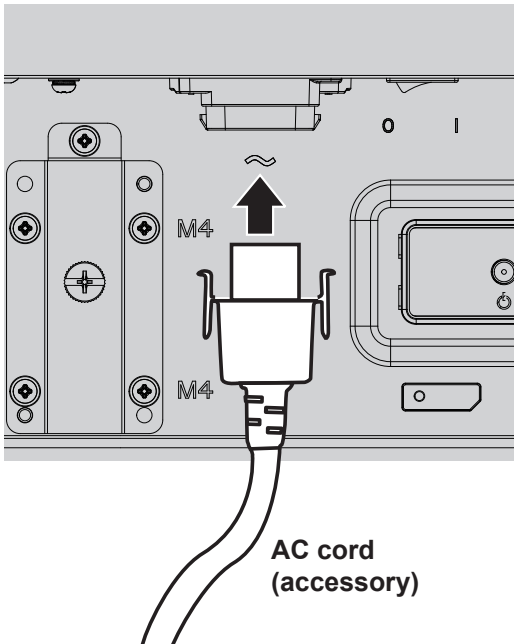


**Note:**

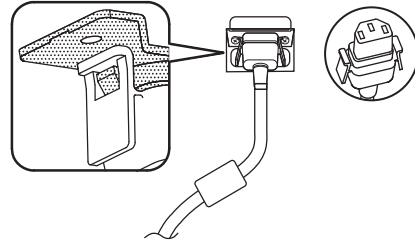
This security slot is compatible with the Kensington security cables.

# Connections

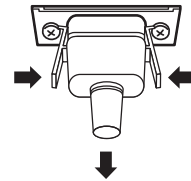
## AC cord connection and cable fixing



- Plug the AC cord into this Display.
- Plug the AC cord firmly until it clicks into position. Make sure the AC cord is locked on both the left and right sides.



- To unplug the AC cord, press the two knobs and pull.

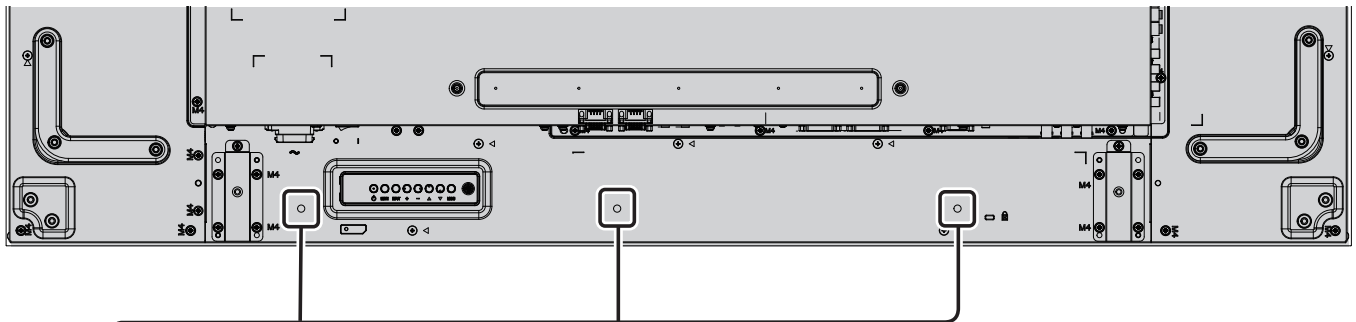


### NOTE:

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

### Using the clamper

Secure any excess cables with clamper as required.



**1 Attach the clamper**

hole

Insert the clamper in a hole.

To remove from the unit:

snaps

① Keep pushing both side snaps

**2 Bundle the cables**

hooks

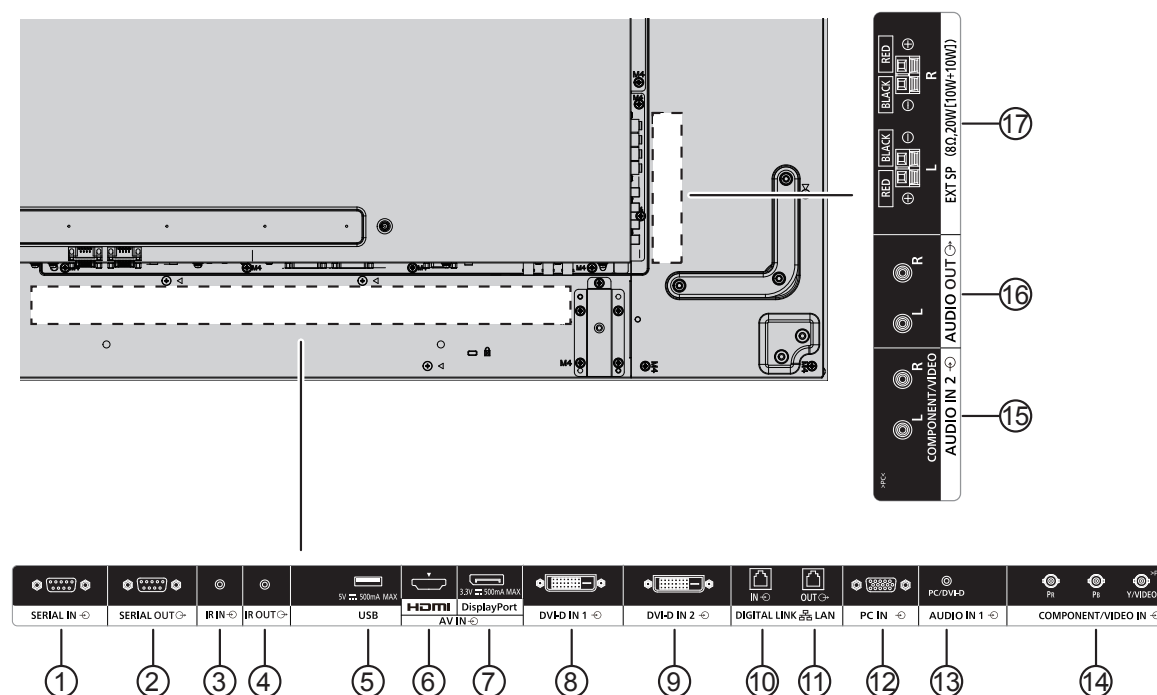
② Set the tip in the hooks

To loosen:

knob

① Keep pushing the knob

# Video equipment connection



## ①/② SERIAL IN, SERIAL OUT

SERIAL Input/Output Terminal Control the Display by connecting to PC.

## ③/④ IR IN, IR OUT

To control multiple display with one remote control, connects other display from this IN/OUT port.

The infrared signal received from the first unit will send to the second unit.

## ⑤ USB

Connect your USB storage device.

## ⑥ HDMI IN

HDMI video/audio input.

## ⑦ DisplayPort IN

DisplayPort video input.

## ⑧/⑨ DVI-D IN-1, DVI-D IN-2

DVI-D video input.

## ⑩/⑪ DIGITAL LINK, LAN IN OUT

Connect to a DIGITAL LINK input terminal network to control the Display.

Alternatively, connect to a device that sends video and audio signals via the DIGITAL LINK terminal.

## ⑫ PC IN

PC Input Terminal

## ⑬ AUDIO IN 1 (DVI-D / PC)

Connect the audio output of a device connected to DVI-D IN, PC IN.

## ⑭ COMPONENT/VIDEO IN

Input the component YPbPr source from external AV device.

For CVBS input, connect with CVBS cable from the video output of your AV device to this Display's Y input (an after-market BNC-RCA adapter will be needed).

## ⑮ AUDIO IN 2

Input the audio source from external AV device.

## ⑯ AUDIO OUT

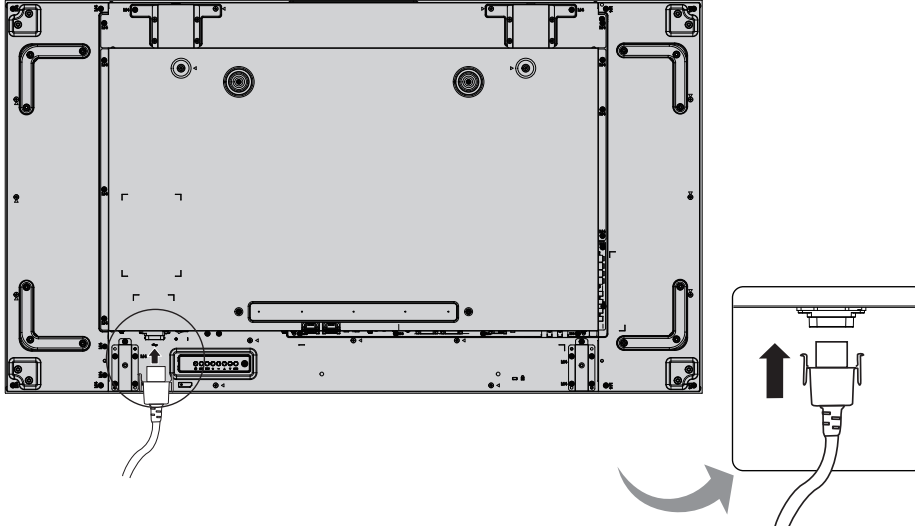
Output the audio source connected from the AUDIO IN jack to an external AV device.

## ⑰ EXT SP

External speakers output.

# Power On / Off

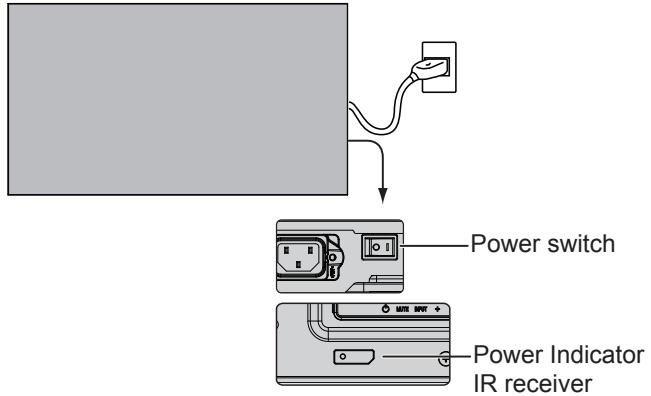
## Connecting the AC cord plug to the Display.



## Connecting the plug to the Wall Outlet.

### Notes:

- When disconnecting the AC cord, be absolutely sure to disconnect the AC cord plug at the socket outlet first.
- Press the Power switch on the Display to turn the set on: Power-On



POWER ON




STANDBY




1. Press the  button on the remote control to turn the Display off.

**Power Indicator: Red (standby)**

2. Press the  button on the remote control to turn the Display on.

**Power Indicator: Green**

3. Turn the power to the Display off by pressing the  switch on the unit, when the Display is on or in standby mode.

### Note:

- During operation of the power management function, the power indicator turns orange in the power off state.



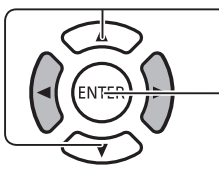
# Power On / Off

## When first switching on the unit

Following screen will be displayed when the unit is turned on for the first time.

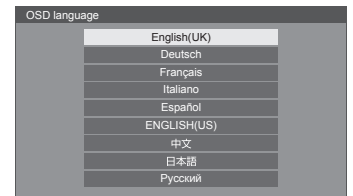
Select the items with the remote control.

### OSD Language

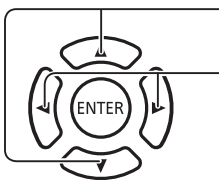


1. Select the language.

2. Set.

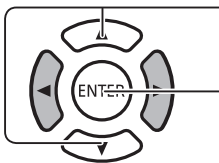
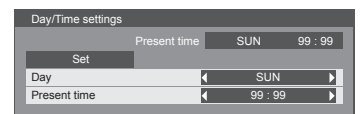


### Day/Time settings



1. Select "DAY" or "PRESENT TIME".

2. Setup "DAY" or "PRESENT TIME".



1. Select "Set".

2. Set.



### Notes:

- Once the items are set, the screens won't be displayed when switching on the unit next time.
- After the setting, the items can be changed in the following menus.  
OSD Language  
Day/Time settings

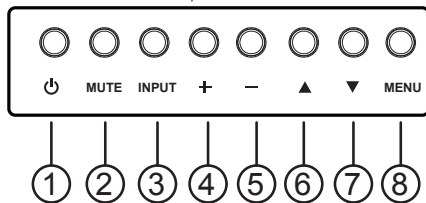
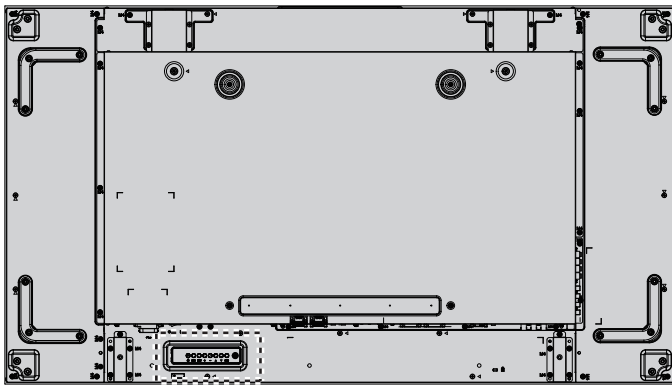
# Basic Controls

## Main Unit

### Power Indicator

The Power Indicator will light.

- Power-OFF -----Indicator not illuminated (The unit will still consume some power as long as the power cord is still inserted into the wall outlet.)
  - Standby ----- Red  
Orange (When "Network Control" is set to "On".)
  - Power-ON -----Green
- PC Power management (DPMS), and other input's Power management (DVI, HDMI) Orange (With each input signal.)



#### ① POWER button

Use this button to turn the display on or put the display to standby.

#### ② MUTE button

Switch the audio mute ON/OFF.

#### ③ INPUT button

- Use this button to select the input source.
- Use this button to make selections while OSD menu is displayed.

#### ④ [++] button

Increase the adjustment while OSD menu is on, or increase the audio output level while OSD menu is off.

#### ⑤ [--] button

Decrease the adjustment while OSD menu is on, or decrease the audio output level while OSD menu is off.

#### ⑥ [▲] button

Move the highlight bar up to adjust the selected item while OSD menu is on.

#### ⑦ [▼] button

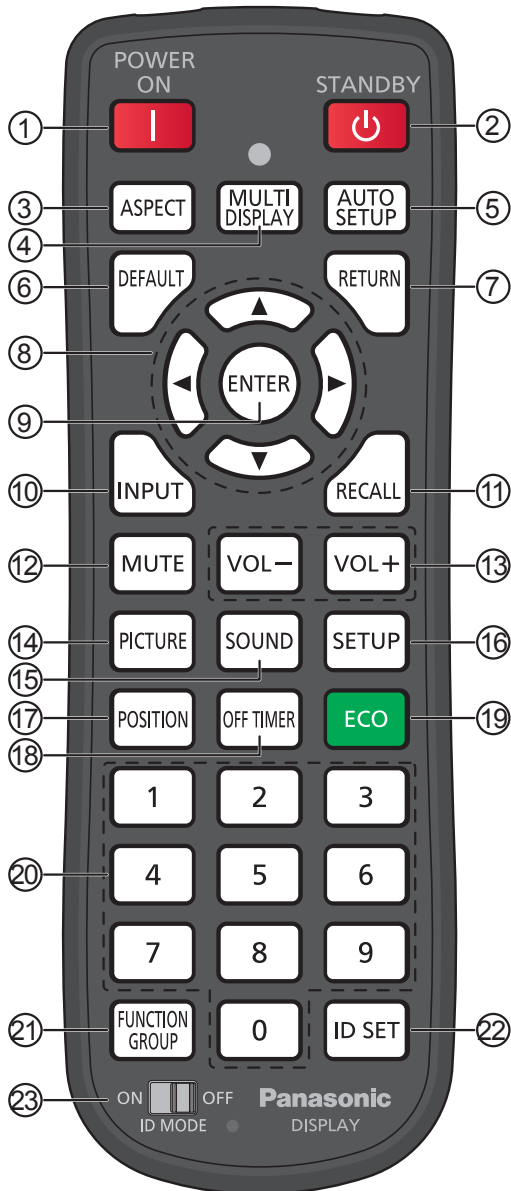
Move the highlight bar down to adjust the selected item while OSD menu is on.

#### ⑧ MENU button

While OSD menu is off, activate the OSD menu. While OSD menu is on, switch to next menu, exit from OSD menu, or return to previous menu.



Remote Control Transmitter



- ① **[POWER ON] button**  
Press to turn the Display on from standby mode.
- ② **[STANDBY] button**  
Press to turn the Display off to Standby mode from Power On mode.
- ③ **[ASPECT] button**  
Press to adjust the aspect.
- ④ **[MULTI DISPLAY] button**  
Press to change to enable or disable the Multi display function.
- ⑤ **[AUTO SETUP] button**  
Automatically adjusts the position/size of the screen.  
Enable for PC or RGB signals.
- ⑥ **[DEFAULT] button**  
Press to return the OSD menu item to factory default value.

- ⑦ **[RETURN] button**  
Press to return to previous menu screen.
- ⑧ **POSITION buttons**
- ⑨ **[ENTER] button**  
Press to make selections.
- ⑩ **[INPUT] button**  
Press to select input signal.
- ⑪ **[RECALL] button**  
Press to display the current system status.
  - Input label
  - Aspect mode
  - Off timer (The off timer indicator is displayed only when the off timer has been set)
  - Clock display
- ⑫ **[MUTE] button**  
Press to mute the sound.  
Press again to reactivate sound.  
Sound is also reactivated when power is turned off or volume is changed.
- ⑬ **Volume adjustment**  
Press "VOL+" or "VOL-" to increase or decrease the sound volume level.
- ⑭ **[PICTURE] button**  
Press to enter to PICTURE menu.
- ⑮ **[SOUND] button**  
Press to enter to SOUND menu.
- ⑯ **[SETUP] button**  
Press to enter to SETUP menu.
- ⑰ **[POSITION] button**  
Press to enter to POSITION menu.
- ⑱ **[OFF TIMER] button**  
The display can be preset to switch to stand-by after a fixed period. The setting changes to 30, 60, 90 minutes and 0 minute (cancelled) each time the button is pressed.
 

→ 30 MIN → 60 MIN → 90 MIN → 0 MIN →

 When three minutes remain, "OFF TIMER 3 MIN" will flash.  
The off timer is cancelled if a power interruption occurs.
- ⑲ **ECO MODE (ECO)**  
Press to change the ECO MODE setup status.
- ⑳ **Numeric buttons**  
If ID SET button is pressed before pressed Numeric buttons, it will use to set the ID number.  
If Numeric buttons are pressed separately, FUNCTION GROUP guide will be displayed.

## Basic Controls

---

### ⑳ [FUNCTION GROUP ] button

Press to display FUNCTION GROUP guide menu.

### ㉑ [ID SET ] button

Press to configure ID number to the remote control transmitter with the procedure below.

- Press ID SET button.
- Press ID number. Adjustable ID number range is 0-100..

When keep to press longer than 3 seconds this button, ID number will be set to "00" . "ID number =00" means, the Display will be worked regardless of the Display's ID number.

### ㉒ ID MODE switch

Set to ON when using ID mode.

Set OFF when using NORMAL mode.

# Technical Specifications

	TH-55LFV70U	TH-55LFV70W
<b>Power Source</b>	110 - 127 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz
<b>Power Consumption</b>		
Rated Power Consumption	330 W	
Stand-by condition	0.5 W	
Power off condition	0 W	
<b>LCD Display panel</b>	55-inch IPS panel (LED backlight), FULL(toggle) aspect ratio	
<b>Screen size</b>	1,209 mm (W) × 680mm (H) × 1,387 mm (diagonal)	
(No.of pixels)	2,073,600 (1,920 (W) × 1,080 (H)) [5,760 × 1,080 dots]	
<b>Operating condition</b>		
Temperature	0 ~ 40 °C, 32 ~ 104 °F	
Humidity	10 ~ 90 % RH (No condensation)	
<b>Applicable signals</b>		
Colour System	NTSC, PAL, PAL60, SECAM, NTSC 4.43, PAL M, PAL N	
Scanning format	525 (480) / 60i · 60p, 625 (575) / 50i · 50p, 750 (720) / 60p · 50p, 1125 (1080) / 60i · 60p · 50i · 50p · 24p · 25p · 30p · 24PsF	
PC signals	VGA, SVGA, XGA, SXGA UXGA .... (compressed) Horizontal scanning frequency 30 - 110 kHz Vertical scanning frequency 48 - 120 Hz	
<b>Connection terminals</b>		
DIGITAL LINK LAN	For RJ45 network and DIGITAL LINK connections, compatible with PLink™ Communication method: RJ45 100Base-TX	
VIDEO IN	VIDEO AUDIO L-R	1.0 Vp-p (75 Ω) 0.5 Vrms
AV IN	HDMI DisplayPort	TYPE A Connector
<b>COMPONENT</b>		
	Y PB/CB PR/CR AUDIO L-R	with sync 1.0 Vp-p (75 Ω) 0.7 Vp-p (75 Ω) 0.7 Vp-p (75 Ω) 0.5 Vrms
DVI-D IN 1 DVI-D IN 2	AUDIO	Compliance with DVI Revision 1.0 Compatible with HDCP 1.1 0.5 Vrms, Shared with PC IN
PC IN	AUDIO	G with sync 1.0 Vp-p (75 Ω) G without sync 0.7 Vp-p (75 Ω) B: 0.7 Vp-p (75 Ω) R: 0.7 Vp-p (75 Ω) HD/VD: 1.0 - 5.0 Vp-p (high impedance) 0.5 Vrms, Shared with DVI-D IN
SERIAL IN SERIAL OUT	RS-232C compatible	
AUDIO OUT	[INPUT 1 kHz / 0 dB, 10 kΩ Load]	
REMOTE IN REMOTE OUT	M3 mini jack x 2	
<b>Dimensions (W × H × D)</b>	1,213 mm (W) × 684 mm (H) × 95 mm (D)	
<b>Mass (weight)</b>	approx. 30 kg	

**Notes:**

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

(for the U.S.A and Puerto Rico)

Panasonic Solutions Company  
Unit of Panasonic Corporation of  
North America  
Two Riverfront Plaza, Newark,  
New Jersey 07102-5490

**Panasonic Professional Flat Panel Display  
Limited Warranty**

Panasonic Solutions Company. (referred to as “the Warrantor”) will repair this product and all included accessories with new or refurbished parts, free of charge in the USA or Puerto Rico, of the original purchase in the event of a defect in materials or workmanship as follows:

Models or Parts	Part Warranty	Labor Warranty
Professional Flat Panel Display	2 Years	2 Years

On-site or carry-in service in the **USA and Puerto Rico** may be obtained during the warranty period by contacting Panasonic Solutions Company Service toll free at 1-877-655-2357.

This warranty is extended only to the original purchaser and is non transferable. A purchase receipt or other proof of date of original purchase will be required before warranty service is rendered.

This warranty only covers failures due to defects in materials or workmanship, which occur during normal use. The warranty does not cover damage which occur in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from improper installation, set-up adjustments, improper

antenna, inadequate signal pickup, maladjustment of consumer controls, improper operation, power line surge, improper voltage supply, lighting damage, or service by anyone other than an authorized repair facility, or damage that is attributable to acts of God.

**LIMITS AND EXCLUSIONS**

There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGE TO DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THE WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from state to state.

If you have a problem with this product that is not handled to your satisfaction, then write the Consumer Affairs Department at the Company address indicated above.

In the USA and Puerto Rico  
FOR SERVICE  
CALL TOLL FREE  
1-877-655-2357

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

Panasonic Canada Inc. (also known as PCI) warrants this product to be free of defects in material and workmanship under normal use during the applicable warranty coverage period described below. PCI agrees to repair, or at its option, exchange, any part that becomes defective. However, the product must be purchased and serviced in Canada. The product or part that shows evidence of defect must be delivered prepaid or carried in to an authorized Panasonic Broadcast Service Center. This warranty does not cover shipping costs.

The warranty coverage period is one year for both parts and labour beginning with the date of original end user purchase, subject to the exceptions as stated below. Repaired or replacement parts supplied during the warranty coverage period carry the unexpired portion of the original warranty coverage period. Proof of product purchase is a condition of warranty service. The owner must produce the product purchase receipt or other satisfactory evidence of date of original purchase.

This warranty does not apply to external appearance items, such as handles, knobs, safety windows, etc. This warranty does not apply to any part, or parts, of the product, installed, altered, repaired or misused in any way that, in the opinion of PCI, affects the reliability of or detracts from the performance of the product.

For products requiring routine preventive maintenance, that maintenance must be performed in order to maintain warranty coverage.

Serial numbers that have been altered, defaced or removed void this warranty. This warranty does not cover replacements or repairs necessitated by loss or damage resulting from any cause beyond the control of PCI.

Marking or retained images (sometimes called "burn-in") resulting from the display of fixed images on video display products are not defects and are not covered under this warranty.

**THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.**

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

**WARRANTY COVERAGE PERIOD EXCEPTIONS**

Item	Parts	Labour
Video Tape	30 days—Replacement only (content not covered)	N/A
P2/SD Cards	(Content not covered)	N/A
Video Heads	1 year or 2,000 hrs. (prorated) Whichever comes first	1 year or 2,000 hrs. Whichever comes first
D5 Video heads	1 year or 1,000 hrs. Whichever comes first	1 year or 1,000 hrs. Whichever comes first
Maintenance Items	90 days	90 days
Colour Camera CCD Imaging Block	2 years	2 years
BT-H Series LCD Monitors	2 years	2 years
* DLP™ Projectors	3 years or 17,000 hrs. Whichever comes first	3 years or 17,000 hrs. Whichever comes first
* LCD Projectors above 2,500 ANSI Lumens	3 years or 2,500 hrs. Whichever comes first	3 years or 2,500 hrs. Whichever comes first.
* LCD Projectors below 2,500 ANSI Lumens	3 years or 1,500 hrs. Whichever comes first	3 years or 1,500 hrs. Whichever comes first
Projector Lamps	50% of the rated lamp life or 1 year. Whichever comes first	50% of the rated lamp life or 1 year. Whichever comes first.
All Plasma displays	2 years (burn-in not covered)	2 years
103 inch Plasma displays	3 years (burn-in not covered)	3 years
Hard Drive Disk Unit	1 year plus balance (if any) of the original Manufacturer's Limited Warranty. (Content not covered)	1 year

\* Dust, smoke, rental/staging environment and twenty-four/seven operation, dramatically decreases the interval between performances of routine preventive maintenance required to maintain this warranty coverage.

**Warranty Service**

If the product needs to be shipped for service, carefully pack (preferably in the original carton) and enclose a letter, detailing the complaint. Send prepaid and adequately insured to the local authorized Panasonic Service Centre in your area or to Panasonic Technical Support and Product Services Department, 5770 Ambler Drive, Mississauga, Ontario, L4W 2T3. Shipping to the latter location requires a return authorization before shipment. No liability is assumed for loss or damage to the product while in transit.

## Customer Service

### Customer Service Directory

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

**<http://www.lar.panasonic.com>**

Also you may contact us directly by our Contact Center:

<b>Panama</b>	<b>800-PANA (800-7262)</b>
<b>Colombia</b>	<b>1-8000-94PANA (1-8000-947262) - National Line</b> <b>635-PANA (635-7262) - Bogota Line</b>
<b>Ecuador</b>	<b>1800-PANASONIC (1800-726276)</b>
<b>Costa Rica</b>	<b>800-PANA737 (800-7262737)</b>
<b>El Salvador</b>	<b>800-PANA (800-7262)</b>
<b>Guatemala</b>	<b>1-801-811-PANA (1-801-811-7262)</b>
<b>Chile</b>	<b>800-260602</b> <b>From a cell phone: 245-2520</b>
<b>Venezuela</b>	<b>800-PANA-800 (800-7262-800)</b>
<b>Uruguay</b>	<b>0-800-PANA (0800-7262)</b>

### Mexico Service

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

**[email: atencion.clientes@mx.panasonic.com](mailto:atencion.clientes@mx.panasonic.com)**

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

**01800-VIP-PANA (01800-847-7262) - Interior**  
**(55) 5000-1200 - Mexico D.F. and Metropolitan Area**

Information for Users on Collection and Disposal of Old Equipment and used Batteries



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should 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 and the Directives 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.



For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

#### **For business users in the European Union**

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.



#### **[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.

#### **Note for the battery symbol (bottom two symbol examples):**

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.

Cd

#### **USA Only:**

Disposal may be regulated in your community due to environmental considerations. For disposal or recycling information, please visit Panasonic website: <http://www.panasonic.com/environmental> or call 1-888-769-0149.

**<Software Information for This Product>**

This product incorporates the following software:

- (1) the software developed independently by or for Panasonic Corporation,
- (2) the software owned by third party and licensed to Panasonic Corporation,
- (3) the software licensed under the GNU General Public License, Version 2.0 (GPL V2.0),
- (4) the software licensed under the GNU LESSER General Public License, Version 2.1 (LGPL V2.1), and/or
- (5) open source software other than the software licensed under the GPL V2.0 and/or LGPL V2.1.

The software categorized as (3) - (5) are distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. Please refer to the detailed terms and conditions thereof shown in the attached CD-ROM

At least three (3) years from delivery of this product, Panasonic will give to any third party who contacts us at the contact information provided below, for a charge no more than our cost of physically performing source code distribution, a complete machine-readable copy of the corresponding source code covered under GPL V2.0, LGPL V2.1 or the other licenses with the obligation to do so, as well as the respective copyright notice thereof.

Contact Information: [oss-cd-request@gg.jp.panasonic.com](mailto:oss-cd-request@gg.jp.panasonic.com)

<p><b>Customer's Record</b></p> <p>The model number and serial number of this product can be found on its back cover. You should note this serial number in the space provided below and retain this book, plus your purchase receipt, as a permanent record of your purchase to aid in identification in the event of theft or loss, and for Warranty Service purposes.</p> <p>Model Number _____ Serial Number _____</p>
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<p><b>For TH-55LFV70U</b></p> <p>Panasonic System Communications Company of North America Unit of Panasonic Corporation of North America</p> <p>Executive Office : Two Riverfront Plaza Newark, NJ 07102-5490</p> <p>Panasonic Canada Inc. 5770 Amber Drive Mississauga, Ontario L4W 2T3</p>
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<p><b>For TH-55LFV70W</b></p> <p>Pursuant to the directive 2004/108/EC, article 9(2)</p> <p>Panasonic Testing Centre Panasonic Service Europe, a division of Panasonic Marketing Europe GmbH Winsbergring 15, 22525 Hamburg, F.R. Germany</p>
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