



SHARP PN-HE751 LCD Monitor User Manual

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SHARP

PN-HE751

PN-HE651

PN-HC861

PN-HC751

PN-HC651

LCD MONITOR

SETUP MANUAL

IMPORTANT: To aid reporting in case of loss or theft, please record the product's model and serial numbers in the space provided. The numbers are located in the rear of the product.

Model No.:
Serial No.:
U.S.A. ONLY

Supplier's Declaration of Conformity

SHARP LCD MONITOR, PN-HE651/PN-HC651/PN-HE751/PN-HC751/PN-HC861

This device complies with Part 15 of the FCC Rules. 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.

Responsible Party:

SHARP ELECTRONICS CORPORATION 100 Paragon Drive, Montvale, NJ 07645 TEL: 1-800-BE-SHARP
www.sharpusa.com
U.S.A. ONLY

Operation manuals may be downloaded from the following website: <https://business.sharpusa.com/product-downloads> (Adobe Acrobat Reader is required to view the manuals.)

WARNING:

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

NOTE:

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 instruction 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.
U.S.A. ONLY

NOTE: This product can only be serviced in the country where it was purchased.

1. The contents of this manual may not be reprinted in part or whole without permission.
2. The contents of this manual are subject to change without notice.
3. Great care has been taken in the preparation of this manual; however, should you notice any questionable points, errors or omissions, please contact us.
4. The image shown in this manual is indicative only. If there is inconsistency between the image and the actual product, the actual product shall govern. (5) Notwithstanding articles (3) and (4), SHARP will not be responsible for any claims on loss of profit or other matters deemed to result from using this device.

Contents

If any component should be missing, please contact your dealer.

- Monitor: 1
- Remote control unit: 1
- Remote control unit battery: 2
- Setup manual (this manual): 1
- Power cord
- Cable clamp (affixing type): 2

- USB flash drive cover: 1
- Logo sticker: 1
- Blank sticker (blindfold of operation buttons printings for PN-HE651/PN-HC651): 1 (for PN-HE651/PN-HC651 only)



* For environmental protection! Do not dispose of batteries in household waste. Follow the disposal instructions for your area.

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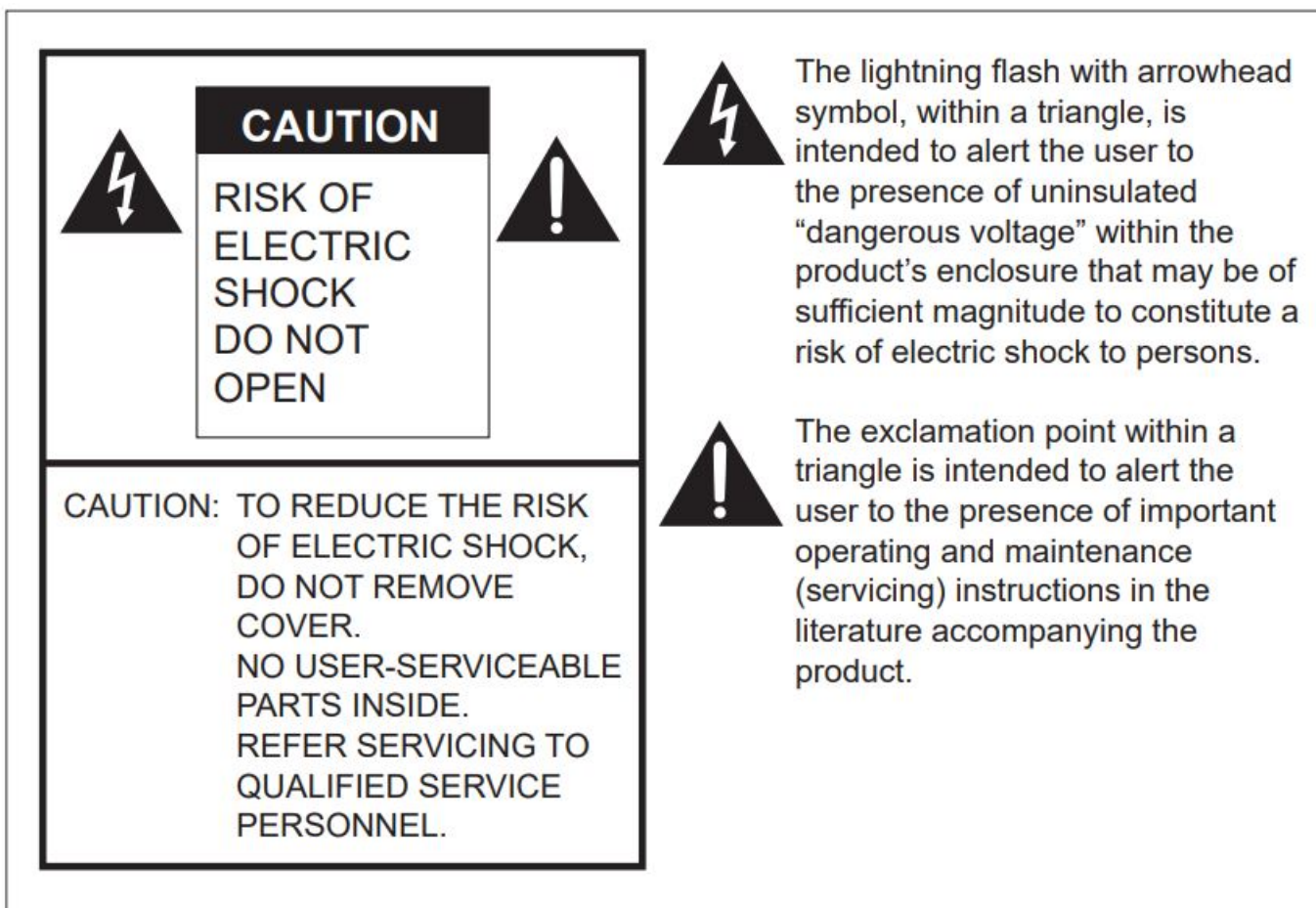
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IMPORTANT INFORMATION

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.



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.

DEAR SHARP CUSTOMER

Thank you for your purchase of a SHARP LCD product. To ensure safety and many years of trouble-free operation of your product, please read the Safety Precautions carefully before using this product.

SAFETY PRECAUTIONS

Electricity is used to perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock and/or fire. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your LCD product, please read the following precautions carefully before using the product.

1. Read instructions — All operating instructions must be read and understood before the product is operated.
2. Keep this manual in a safe place — These safety and operating instructions must be kept in a safe place for future reference.
3. Observe warnings — All warnings on the product and in the instructions must be observed closely.
4. Follow instructions — All operating instructions must be followed.
5. Cleaning — Unplug the power cord from the power outlet before cleaning the product. Use a dry cloth to clean the product. Do not use liquid cleaners or aerosol cleaners. Do not use dirty cloths. Doing so may damage the product.
6. Attachments — Do not use attachments not recommended by the manufacturer. Use of inadequate

attachments can result in accidents.

7. Water and moisture — Do not use the product near water. Do not install the product in a place where water may splash onto it. Be careful of equipment which drains water such as an air-conditioner.
8. Ventilation — The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a sofa, rug or other similar surface, since they can block ventilation openings. Do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.
9. Power cord protection — The power cords must be routed properly to prevent people from stepping on them or objects from resting on them.
10. The LCD panel used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the LCD panel breaks.
11. Overloading — Do not overload power outlets or extension cords. Overloading can cause fire or electric shock.
12. Entering of objects and liquids — Never insert an object into the product through vents or openings. High voltage flows in the product, and inserting an object can cause electric shock and/or short internal parts. For the same reason, do not spill water or liquid on the product.
13. Servicing — Do not attempt to service the product yourself. Removing covers can expose you to high voltage and other dangerous conditions. Request a qualified service person to perform servicing.
14. Repair — If any of the following conditions occurs, unplug the power cord from the power outlet, and request a qualified service person to perform repairs.
 - a. When the power cord or plug is damaged.
 - b. When a liquid was spilled on the product or when objects have fallen into the product.
 - c. When the product has been exposed to rain or water.
 - d. When the product does not operate properly as described in the operating instructions. Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.
 - e. When the product has been dropped or damaged.
 - f. When the product displays an abnormal condition. Any noticeable abnormality in the product indicates that the product needs servicing.
15. Replacement parts — In case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts. Use of unauthorized parts can result in fire, electric shock and/or other danger.
16. Safety checks — Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the product is in proper operating condition.
17. Wall mounting — When mounting the product on a wall, be sure to install the product according to the method recommended by the manufacturer.
18. Heat sources — Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).
19. Batteries — Incorrect use of batteries may cause the batteries to burst or ignite. A leaky battery may corrode the equipment, dirty your hands or spoil your clothing. In order to avoid these problems, make sure to observe the precautions below:
 - Use the specified batteries only.

- Install the batteries with due attention to the plus (+) and minus (-) sides of the batteries according to the instructions in the compartment.
 - Do not mix old and new batteries.
 - Do not mix batteries of different types. Voltage specifications of batteries of the same shape may vary.
 - Replace an exhausted battery with a new one promptly.
 - If you will not use the remote control for a long time, remove the batteries.
 - If leaked battery fluid gets on your skin or clothing, rinse immediately and thoroughly. If it gets into your eye, bathe your eye well rather than rubbing and seek medical treatment immediately. Leaked battery fluid that gets into your eye or your clothing may cause a skin irritation or damage your eye.
20. Usage of the monitor must not be accompanied by fatal risks or dangers that, could lead directly to death, personal injury, severe physical damage or other loss, including nuclear reaction control in nuclear facility, medical life support system, and missile launch control in a weapon system.
21. Do not stay in contact with the parts of the product that become hot for long periods of time. Doing so may result in low-temperature burns.
22. Do not modify this product.

WARNING:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures. An apparatus with CLASS I construction shall be connected to a MAIN socket outlet with a protective earthing connection.

STABILITY HAZARD

If a monitor 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 fixing devices like wall mount brackets recommended by the manufacturer.
- Only using furniture that can safely support the monitor.
- Ensuring the monitor is not overhanging the edge of the supporting furniture.
- Not placing the monitor on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the monitor to a suitable support.
- Not standing the monitors on cloth or other materials placed between the monitor and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the monitor or its controls.
- This equipment is not suitable for use in locations where children are likely to be present unsupervised.

Especially for child safety

- Don't allow children to climb on or play with the monitor.
- Don't place the monitor on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger than life" monitor. Care should be taken to place or install the monitor where it cannot be pushed, pulled over, or knocked down.
- Care should be taken to route all cords and cables connected to the monitor so that they cannot be pulled or grabbed by curious children.

SAFETY INSTRUCTION

- Do not use the monitor where there is a lot of dust, where humidity is high, or where the monitor may come into contact with oil or steam. Do not use in an environment where there are corrosive gases (sulphur dioxide, hydrogen sulphide, nitrogen dioxide, chlorine, ammonia, ozone, etc.). As this could lead to fire.
- Ensure that the monitor does not come into contact with water or other fluids. Ensure that no objects such as

paper clips or pins enter the monitor as this could lead to fire or electric shock.

- Do not place the monitor on top of unstable objects or in unsafe places. Do not allow the monitor to receive strong shocks or to strongly vibrate. Causing the monitor to fall or topple over may damage it.
- Do not use the monitor near heating equipment or in places where there is likelihood of high temperature, as this may lead to generation of excessive heat and outbreak of fire.
- Do not use the monitor in places where it may be exposed to direct sunlight. Risk of cabinet deformation and failure if the monitor is used in direct sunlight.
- Please be sure to constantly remove dust and garbage that has attached to the ventilation opening. If dust collects in the ventilation opening or the inside of the monitor, it may lead to excessive heat, outbreak of fire, or malfunction. Please request a cleaning of the inside of the monitor from an authorized SHARP servicing dealer or service center.
- Do not block any ventilation openings. If the temperature inside the monitor rises, this could lead to a malfunction.
- Do not place the monitor on a device which generates heat.
- Please see the penultimate page for additional information on mounting precautions.

The Power Cord

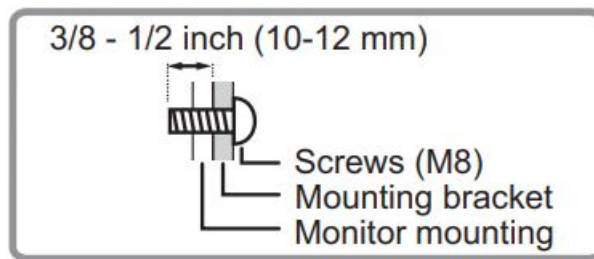
- Use only the power cord supplied with the monitor.
- Do not damage the power cord nor place heavy objects on it, stretch it or over bend it. Also, do not add extension cords. Damage to the cord may result in fire or electric shock.
- Do not use the power cord with a power tap. Adding an extension cord may lead to fire as a result of overheating.
- Do not remove or insert the power plug with wet hands. Doing so could result in electric shock.
- Unplug the power cord if it is not used for a long time.
- Do not attempt to repair the power cord if it is broken or malfunctioning. Refer the servicing to the service representative.
- The power outlet shall be installed near the equipment and shall be easily accessible.
- This monitor should be used at an ambient temperature between 32°F (0°C) and 104°F (40°C). Provide enough space around the monitor to prevent heat from accumulating inside.

Installation (For SHARP dealers and service engineers)

For box contents, please refer to the Contents on the Index page of this document.

Product warranty does not cover damage caused by improper installation. Failure to follow these recommendations could result in voiding the warranty.

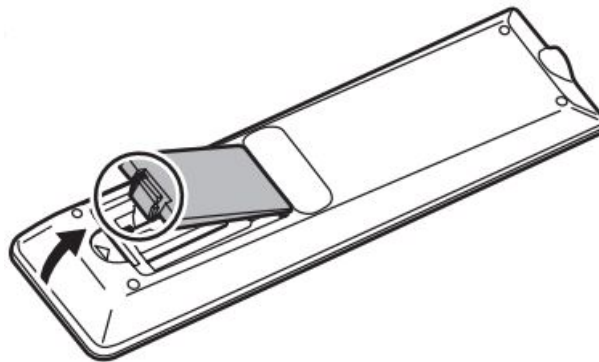
- This product is for use indoors.
- A mounting bracket compliant with VESA specifications is required.
- Since the monitor is heavy, consult your dealer before installing, removing or moving the monitor.
- Mounting the monitor on the wall requires special expertise and the work must be performed by an authorized SHARP dealer. You should never attempt to perform any of this work yourself. Our company will bear no responsibility for accidents or injuries caused by improper mounting or mishandling.
- Use the monitor with the surface perpendicular to a level surface. If necessary, the monitor may be tilted up to 20 degrees upward or downward.
- When installing, removing or moving the monitor, ensure that this is carried out by at least 4 people (PN-HE651/PN-HC651: at least 2 people.).
- To attach a VESA-compliant mounting bracket, use M8 screws that are 3/8 inch (10 mm) to 1/2 inch (12 mm) longer than the thickness of the mounting bracket.



- This monitor and bracket must be installed on a wall which can endure at least 4 times or more the weight of the monitor. Install by the most suitable method for the material and the structure.
- Do not use an impact driver.
- When moving this monitor, be sure to hold it with the handles, the unit sides, the unit bottom or the unit top. Do not grasp the screen, the AC input terminal on the back of the monitor, the terminals at the side of the monitor, or the terminals at the bottom of the monitor. This may cause product damage, failure, or injury.
- If you need to temporarily place the monitor on a table or other surface during installation, spread a thick soft cloth on the table to prevent damage to the screen and table.
- After mounting, please carefully ensure the monitor is secure, and not able to come loose from the wall or mount.
- Do not use any screw holes other than those for mounting brackets, located on the rear of the monitor, for installation.

1. Install the remote control batteries

1. Place your finger on the part marked with the , and then pull the cover off.
2. See the instructions in the compartment and put in the batteries (R03 or LR03 ("AAA" size) x 2) with their plus (+) and minus (-) sides oriented correctly.
3. Close the cover.

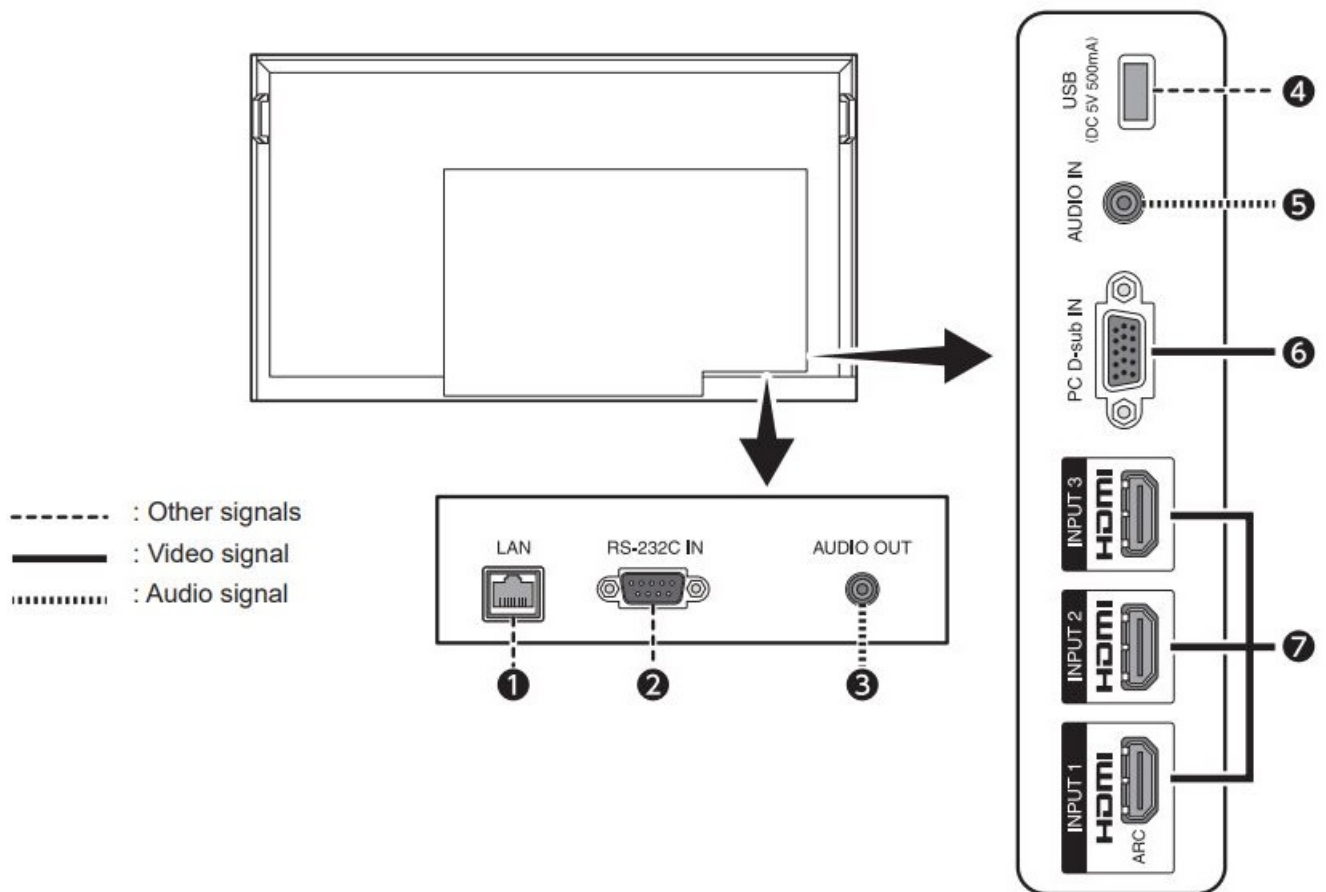


NOTE:

- When the batteries become exhausted, replace them with new (commercially available) batteries.
- The supplied batteries may become exhausted quickly depending on how they are stored.
- If you will not be using the remote control for a long time, remove the batteries.
- Use manganese or alkaline batteries only.

2. Connect external equipment

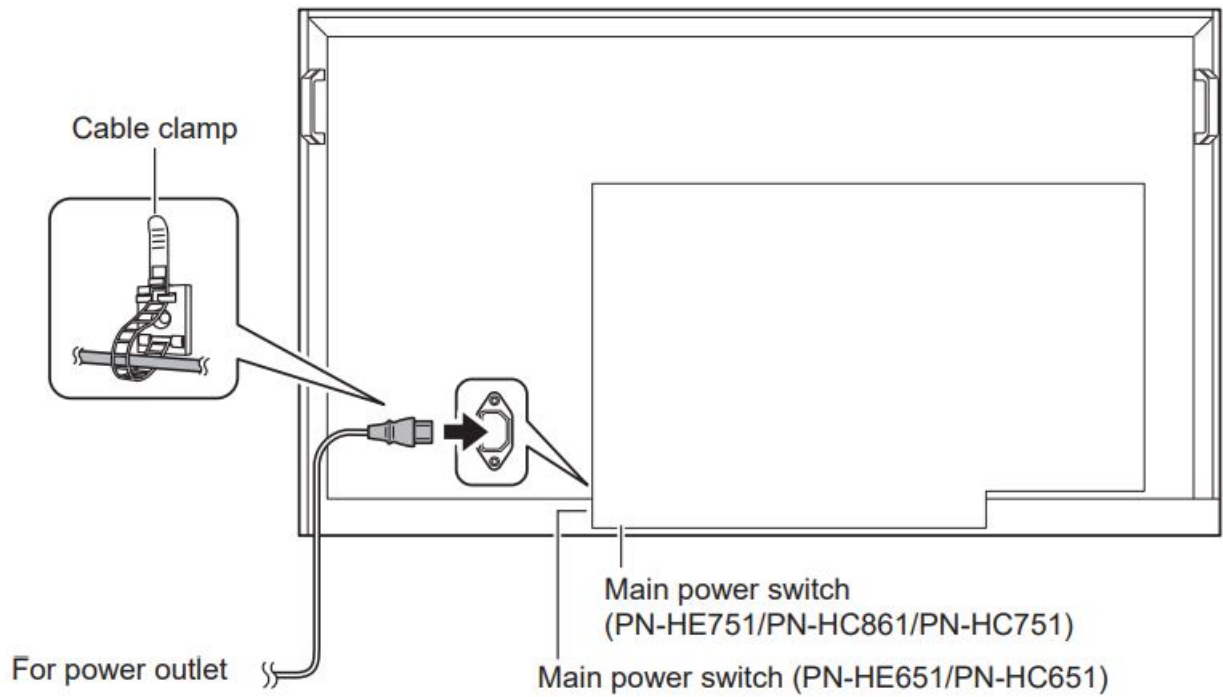
- To protect the external equipment, disconnect the power cord of this product before making connections.



1. LAN port
 2. RS-232C input terminal
 3. AUDIO OUT terminal (Audio output terminal)
 4. USB Type-A port (USB port)
 5. AUDIO IN terminal (Audio input terminal)
 6. VGA input terminal (D-sub input terminal)
 7. HDMI input terminals (HDMI1 (ARC)/HDMI2/HDMI3)
3. Connect the supplied power cord

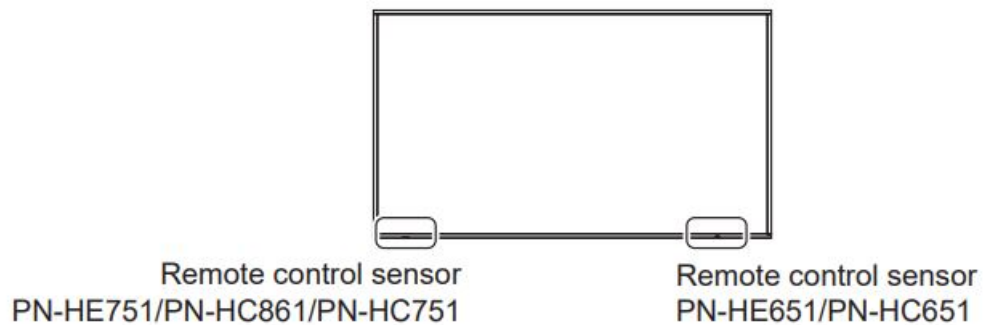
NOTE:

- Please make sure that enough power is supplied to the monitor.
- The main power must be turned on/off with the main power switch. Do not connect/disconnect the power cord or turn the breaker on/off while the main power switch is on.
- For a complete electrical disconnection, pull out the main plug.
- Connect the power cord to the monitor before plugging it into the power outlet.
- The power outlet shall be installed near the equipment and shall be easily accessible.



Remote control sensor

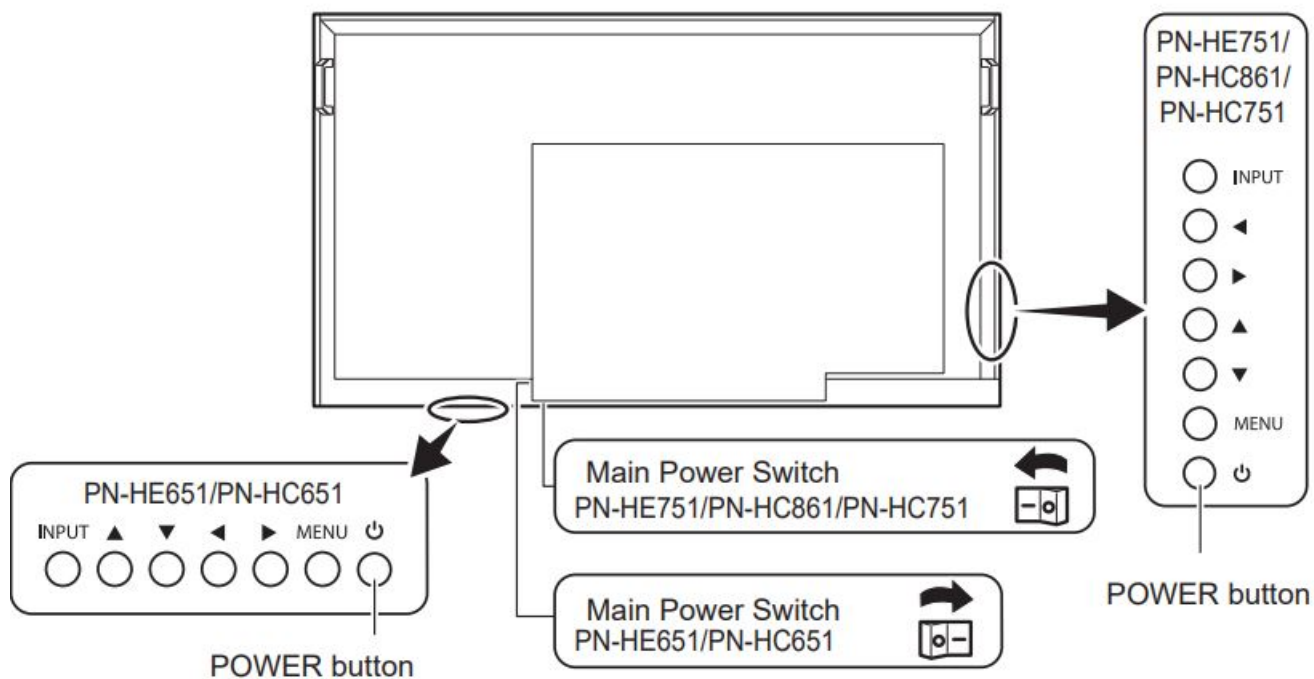
Be careful not to damage the remote control sensor during installation.



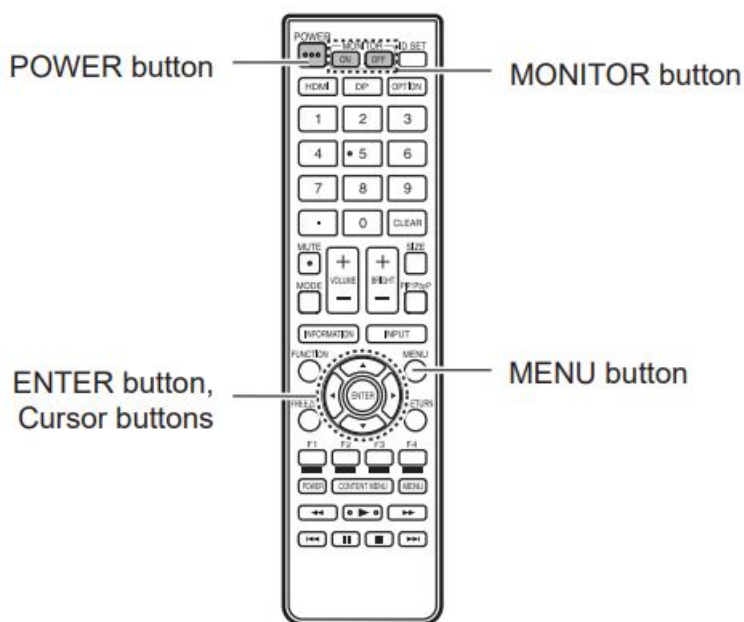
4. Turning on the main power

1. Turn on the main power switch.
2. Press the POWER button to turn the power ON/OFF. You can also turn the power ON/OFF by pressing the MONITOR ON button/ MONITOR OFF button on the remote control unit. When switching the main power switch or the POWER button off and back on, always wait for at least 5 seconds. A short interval may result in a malfunction. Turn on the monitor first before turning on the computer or playback device.

Main Power Switch Power Button

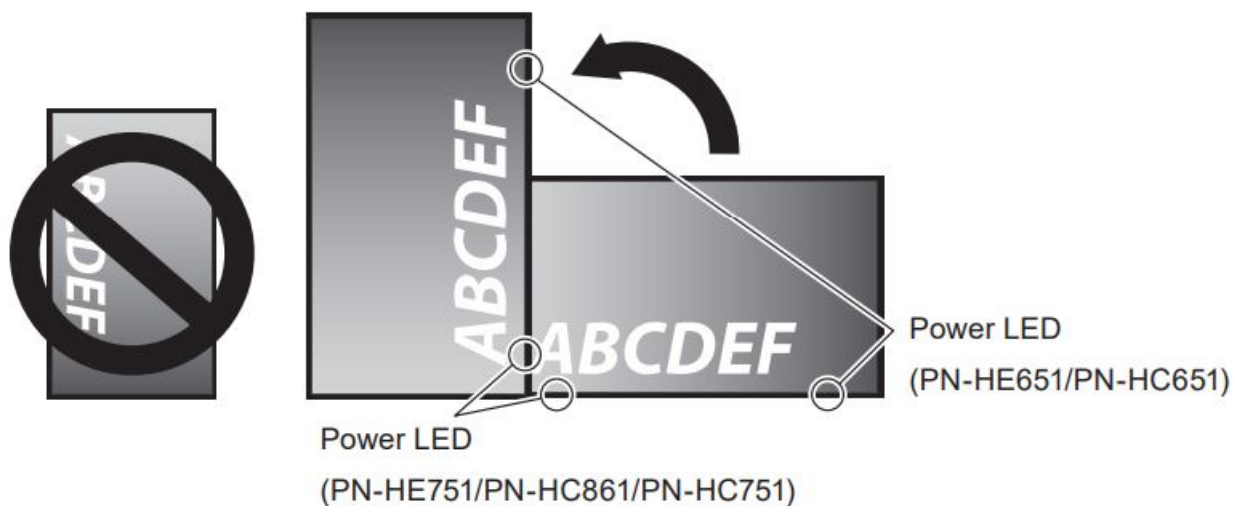


Remote Control unit



Orientation

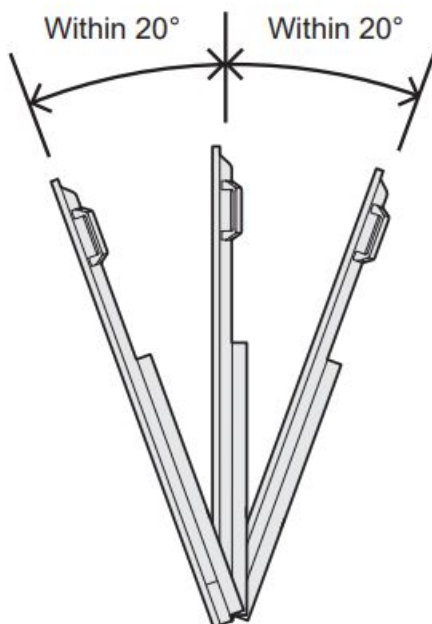
When using the monitor in a vertical installation, be sure to rotate it counter clockwise so that the right side is on the upper side and the left side is on the bottom. If installed in the wrong direction, heat may be trapped inside the monitor and the life of the display may be shortened.



⚠ WARNING: Do not mount the product upside down.



⚠ WARNING: Installing the product at an angle of 20° or more may cause a malfunction.



Specifications

| | |
|---|---|
| Model | PN-HE751 |
| Power requirement | AC100 V - 240 V, 2.7 A, 50/60 Hz |
| Operating temperature | 32°F to 104°F (0°C to 40°C) |
| Operating humidity | 20% to 80% (no condensation) |
| Power consumption | 240 W |
| Dimensions inch (mm) (excluding protrusions) | Approx. 66-5/8 x 3-1/8 x 38-3/16 (1,692.5 x 79.8 x 970.7) |
| Weight lbs. (kg) | Approx. 75.0 (34) |

| | |
|---|--|
| Model | PN-HE651 |
| Power requirement | AC100 V - 240 V, 2.2 A, 50/60 Hz |
| Operating temperature | 32°F to 104°F (0°C to 40°C) |
| Operating humidity | 20% to 80% (no condensation) |
| Power consumption | 190 W |
| Dimensions inch (mm) (excluding protrusions) | Approx. 58-1/8 x 3-1/16 x 33-9/16 (1,476.7 x 78.3 x 851.7) |
| Weight lbs. (kg) | Approx. 61.8 (28) |

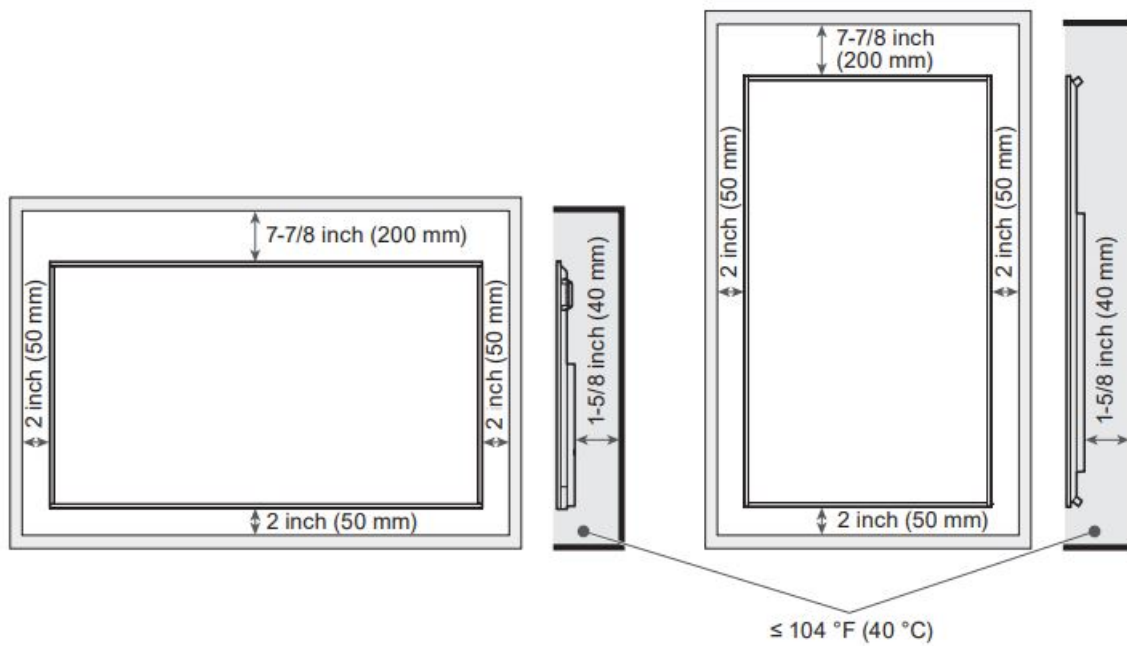
| | |
|---|---|
| Model | PN-HC861 |
| Power requirement | AC100 V - 240 V, 3.9 A, 50/60 Hz |
| Operating temperature | 32°F to 104°F (0°C to 40°C) |
| Operating humidity | 20% to 80% (no condensation) |
| Power consumption | 350 W |
| Dimensions inch (mm) (excluding protrusions) | Approx. 76-5/16 x 3-1/8 x 43-5/8 (1,937.8 x 79.8 x 1,108.8) |
| Weight lbs. (kg) | Approx. 97.1 (44) |

| | |
|---|---|
| Model | PN-HC751 |
| Power requirement | AC100 V - 240 V, 2.7 A, 50/60 Hz |
| Operating temperature | 32°F to 104°F (0°C to 40°C) |
| Operating humidity | 20% to 80% (no condensation) |
| Power consumption | 240 W |
| Dimensions inch (mm) (excluding protrusions) | Approx. 66-5/8 x 3-1/8 x 38-3/16 (1,692.5 x 79.8 x 970.7) |
| Weight lbs. (kg) | Approx. 75.0 (34) |

| | |
|---|--|
| Model | PN-HC651 |
| Power requirement | AC100 V - 240 V, 2.2 A, 50/60 Hz |
| Operating temperature | 32°F to 104°F (0°C to 40°C) |
| Operating humidity | 20% to 80% (no condensation) |
| Power consumption | 190 W |
| Dimensions inch (mm) (excluding protrusions) | Approx. 58-1/8 x 3-1/16 x 33-9/16 (1,476.7 x 78.3 x 851.7) |
| Weight lbs. (kg) | Approx. 61.8 (28) |

As a part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

When mounting the monitor in an enclosed space or recessed area, leave adequate room between the monitor and the enclosure to allow heat to disperse, as shown below.



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Documents / Resources

| | |
|--|--|
| | <p>SHARP PN-HE751 LCD Monitor [pdf] User Manual</p> <p>PN-HE751, PN-HE651, PN-HC861, PN-HC751, PN-HC651, PN-HE751 LCD Monitor, LCD Monitor</p> |
|--|--|

References

- [Sharp Electronics | SharpUSA](#)
- [Drivers | Manuals | Software Downloads | Sharp for business](#)