Manuals+ — User Manuals Simplified.

SHARP EP-C251 Electronic Paper Display

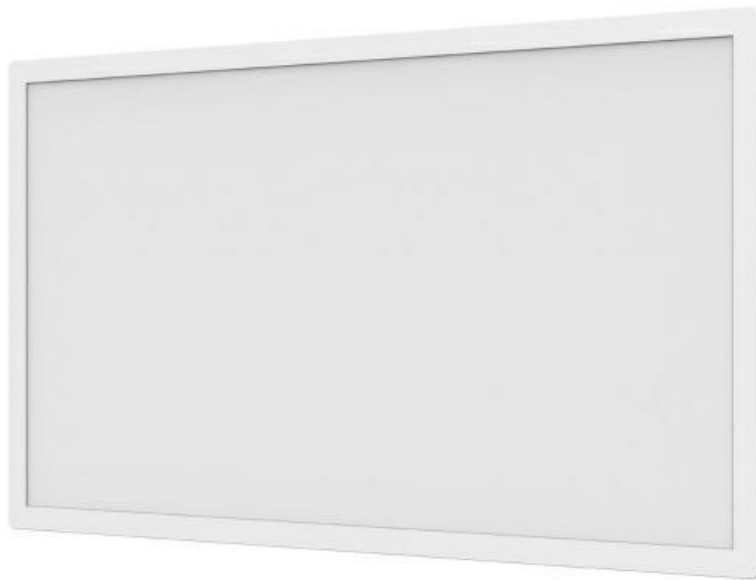# SHARP EP-C251 Electronic Paper Display User Guide

Contents

SHARP

SHARP EP-C251 Electronic Paper Display

Product Specifications

- **Model:** EP-C251, EP-C131
- **Manufacturer:** Sharp
- **Compliance:** FCC Part 15, ISED RSS(s)
- **Operating Environment:** Indoor use only
- **RF Energy Levels**: Very low

Product Usage Instructions

Safety Information

It is important to follow these safety guidelines to prevent any risks:

- Do not expose the product to rain or moisture to avoid the risk of fire or electric shock.
- Do not open the product to prevent the risk of electric shock.
- Ensure proper grounding as indicated in the manual.

Installation

Follow these steps for installation:

1. Locate the model and serial numbers at the rear of the product and record them for future reference.
2. Connect the wires correctly according to the provided code (Green-and-yellow: Earth, Blue: Neutral, Brown: Live).
3. If unsure, consult a qualified electrician for proper connection.

Operation

Operating instructions

1. Ensure the device is placed at least 20cm away from the body during operation.

2. Do not swallow or insert any part of the device into the body.

FAQ

- **Q: What should I do if I encounter interference while using the product?**
    - **A**: If you experience interference, ensure that the device is not co-located with other transmitters or antennas. Additionally, verify that the device is operating in compliance with regulatory guidelines.
- **Q: Can the product be used outdoors?**
    - **A**: No, the product is designed for indoor use only to ensure proper functionality and compliance with safety standards.

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.:

FOR CUSTOMERS IN U.K.

IMPORTANT

The wires in this mains lead are colored in accordance with the following code:

GREEN-AND-YELLOW: Earth
BLUE: Neutral
BROWN: Live
As the colors of the wires in the mains lead of this apparatus may not correspond with the colored markings identifying the terminals in your plug proceed as follows:

- The wire which is colored GREEN-AND-YELLOW must be connected to the terminal in the plug which is

    marked by the letter E or by the safety earth ⏚ or colored green or green-and-yellow.
- The wire which is colored BLUE must be connected to the terminal which is marked with the letter N or colored black.
- The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or colored red.

    Ensure that your equipment is connected correctly. If you are in any doubt consult a qualified electrician.

    "WARNING: THIS APPARATUS MUST BE EARTHED."

Supplier's Declaration of Conformity

SHARP ELECTRONIC PAPER DISPLAY, EP-C131/EP-C251

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**

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.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines as this equipment has very low levels of RF energy. But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from the person's body.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license-exempt RSS(s).

Operation is subject to the following two conditions:

(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the ISED radio frequency (RF) Exposure rules as this equipment has very low levels of RF energy. But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from the person's body.

WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.

- A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.
- **KEEP** new and used batteries OUT OF REACH of CHILDREN
- Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body
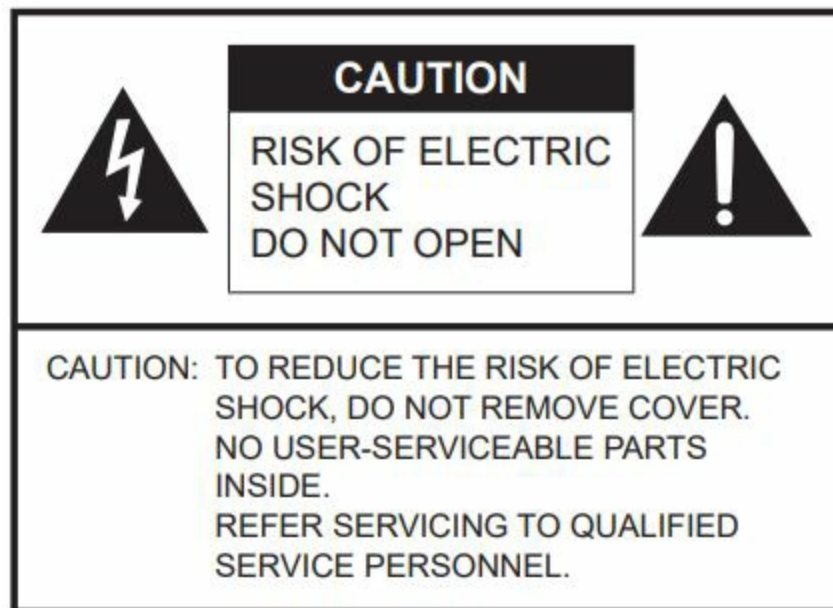
For indoor use only

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.

- Call a local poison control center for treatment information.
- The compatible battery type: CR2032
- The nominal battery voltage: 3V
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 122°F (50°C) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- This product contains non-replaceable batteries.

IMPORTANT INFORMATION

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

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with the arrowhead symbol, within a triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

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.
This product utilizes a CR coin Lithium battery which contains a Perchlorate material.
Special handling for this material may apply, See **www.dtsc.ca.gov/hazardouswaste/perchlorate**.

To maintain compliance with EMC regulations, use a shielded USB cable.

DEAR SHARP CUSTOMER

Thank you for your purchase of a SHARP 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 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 screen 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 screen 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, 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. 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.

20. Do not stay in contact with the parts of the product or the AC adapter that become hot for long periods of time. Doing so may result in low-temperature burns.

21. Do not modify this product.

WARNING:

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 is recommended by the manufacturer.
- Only use 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

TIPS AND SAFETY INSTRUCTIONS

This monitor should be used at an ambient temperature between 32°F (0°C) and 122°F (50°C). When changing the displayed image, this monitor should be used at an ambient temperature between 59°F (15°C) and 95°F (35°C). The AC adapter (supplied) should be used at an ambient temperature between 32°F (0°C) and 95°F (35°C).

- Displaying the same image for an extended period could lead to certain conditions. These include a residual image or the color white appearing as light gray or black appearing as dark gray. To avoid these issues, it's recommended to change the displayed image regularly.
- Never rub or tap the monitor with hard objects.
- Please understand that our company bears no responsibility for errors made during use by the customer or a third party, nor for any other malfunctions or damage to this product arising during use, except where indemnity liability is recognized under law.
- This monitor and its accessories may be upgraded without advance notice.
- 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 (sulfur dioxide, hydrogen sulfide, 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 the likelihood of high temperature, as this may lead to the 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.
- The power outlet shall be installed near the equipment and shall be easily accessible.
- For a complete electrical disconnection, pull out the main plug.
- To maintain stable operation, this monitor must be powered off once a day.

- Do not grasp the screen. Always hold this monitor by the edges during moving. Holding the screen may cause product damage, failure, or injury.
- If you or a third party uses the product incorrectly, or if the product is subjected to the effects of static electricity or electrical noise, or if the product malfunctions or is repaired, there is a risk that saved data will be corrupted or lost.
- We bear no responsibility for the protection of internal memory recorded content or related damages.

The Power Cord and AC Adapter

- Use only the power cord and AC Adapter supplied with the monitor.
- When handling the AC adapter, observe the following: Incorrect handling may result in fire, electric shock, or injury.
- Do not drop the AC adapter or subject it to impact.
- Never disassemble the AC adapter. It contains high-voltage parts that are dangerous to touch.
- The AC adapter is for indoor use only. Do not use it outside.
- Do not use the supplied AC adapter with other devices.
  - Do not damage the power cord and AC adapter 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 an 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.

Network

- When you use a network, your communication data is exposed to the risks of being stolen or illegally accessed. To avoid these risks, you need to use this monitor in a secure network environment.

Wireless LAN

- This monitor cannot be used in other than the country or region where you purchased it.
- The channels and frequencies that can be used for wireless LAN varies by country and region.
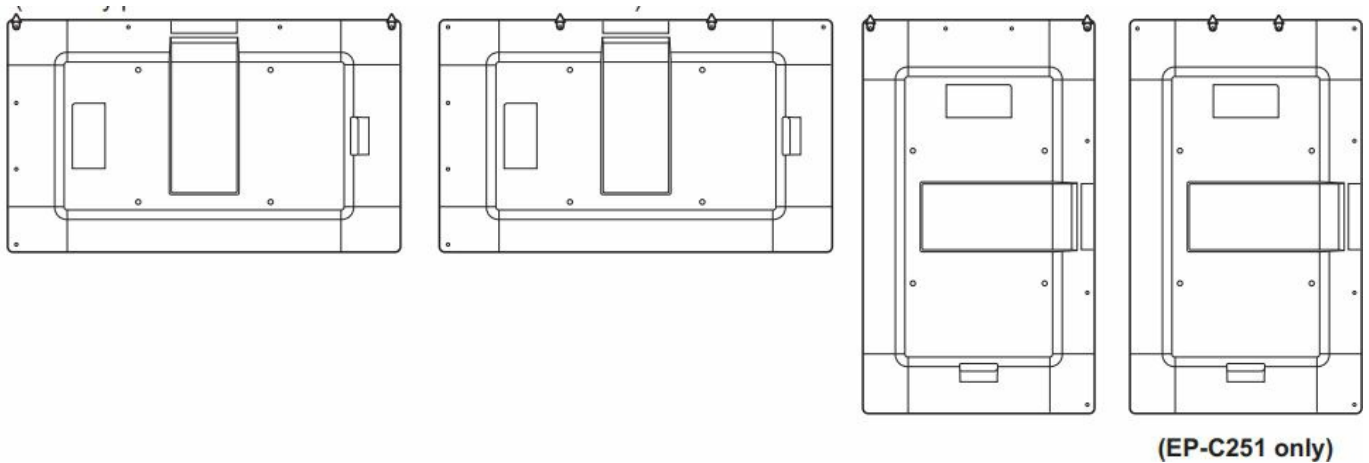
Manual Scope

- VESA is either a registered trademark or a trademark of the Video Electronics Standards Association in the United States and/ or other countries.
- Bluetooth is a registered trademark of Bluetooth SIG, Inc.
- All other brand and product names are trademarks or registered trademarks of their respective holders.
- Illustrations in this manual may not exactly represent the actual product or display
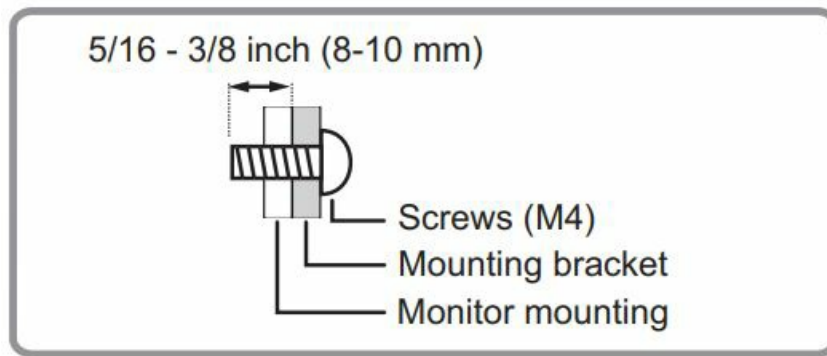
MOUNTING PRECAUTIONS

- This product is for use indoors.
- Do not place the monitor on a device that generates heat.

Precautions when hanging

- Hanging brackets (supplied) can be attached in the following positions. Secure the hanging bracket screws (supplied) properly. (It is only possible to use the combinations shown below)

(EP-C251 only)

- Make sure to hang it using both hanging brackets.
- Ensure that the total suspended weight does not exceed the following.
    - **EP-C251**: 6.6 lbs. (3.0 kg)
    - **EP-C131:** 2.2 lbs. (1.0 kg)
- Hang on a sufficiently strong wall.
- Make sure to use a wire (commercially available) that is sufficiently strong.
- The hanging brackets and hanging bracket screws (supplied) are exclusively for use with this monitor. Do not use them for other devices.
- Our company will bear no responsibility for accidents or injuries caused by improper mounting or mishandling. About Paper Stand (EP-C131)
- This stand is for temporarily standing this monitor. It is not for permanent use.
- Please be careful not to slide off this monitor when you hang it on this stand. Precautions when using VESA-compliant mounting brackets
- A mounting bracket compliant with VESA specifications can be used. Attach the bracket to the screw holes for mounting brackets.
- Our company will bear no responsibility for accidents or injuries caused by improper mounting or mishandling.
- This monitor and bracket must be installed on a wall that 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.
- To attach a VESA-compliant mounting bracket, use M4 screws that are 5/16 inch (8 mm) to 3/8 inch (10 mm) longer than the thickness of the mounting bracket

5/16 - 3/8 inch (8-10 mm)

Screws (M4)
Mounting bracket
Monitor mounting

Supplied Components

- If any component should be missing, please contact your dealer.
- **Monitor:** 1
- **Operation Manual (this manual):** 1
- **Power cord**: 1
- **AC adapter**: 1
- **Hanging bracket**: 2
- **Logo sticker**: 1
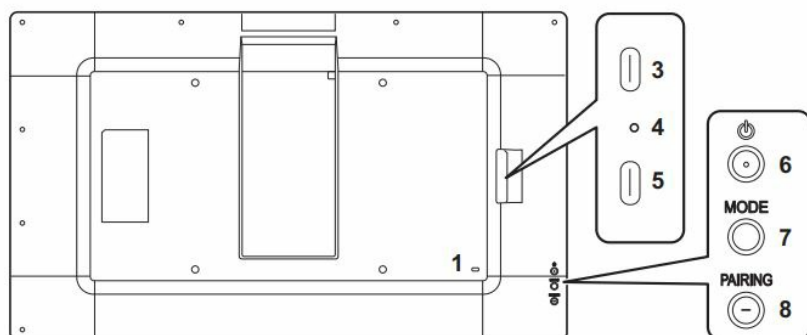- **Hanging bracket screw**: 2

EP-C251

- **Cable clamp**: 3

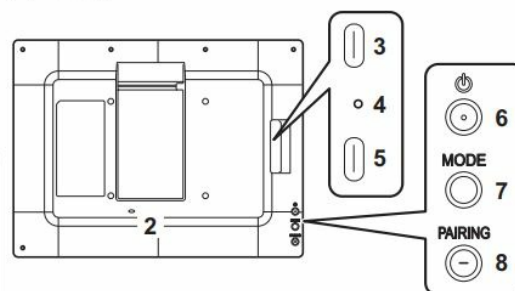### EP-C131

- **Cable clamp**: 2
- **Paper Stand**: 1
- Keep packaging for use when transporting the monitor, etc.
- **Please note**: do not dispose of batteries in household waste for environmental protection. Follow the disposal instructions for your area.
- • The ePaper Settings Tool (Windows software) is required to change this monitor settings.
- The ePaper Settings Tool is also used to change the displayed image on this monitor.
- The ePaper Settings Tool can be downloaded using the Information Display Downloader.
- The Information Display Downloader can also be downloaded from the following website.
- [https://business.sharpusa.com/product-downloads(US)](https://business.sharpusa.com/product-downloads)
- [https://www.sharp.eu/download-centre(Europe)](https://www.sharp.eu/download-centre)
- When the Information Display Downloader is installed, you can check and download the most recent versions of the software programs.
- To install the software, see the manual for each.

Part Names and Functions

EP-C251   EP-C131

Anti-theft hole (R)

A commercially available anti-theft lock can be connected. The anti-theft hole is compatible with the Kensington MicroSaver Security System.

Anti-theft hole (R)

A commercially available anti-theft lock can be connected. The anti-theft hole is compatible with the Kensington NanoSaver Security System.

Power input terminal (USB Type-C)

Connect an AC adapter (supplied).
This monitor does not require a power source to display the image, but it does require a power source to change the display image or settings.

Indicator

Status	Status of this monitor
Off	Power off
Green flashing	During startup
Green lit	Automatic Mode in operation (See page 8.)
Blue lit	Manual Mode in operation (See page 8.)
Green and blue lit alternately	Paused in Automatic Mode
Red flashing (at approx. 0.25 second interval)	Accessing USB flash drive
Blue flashing (at approx. 0.25 second interval)	Bluetooth pairing underway

Computer/USB flash drive connection terminal (USB Type-C)

Connect a USB flash drive (commercially available) or computer to this monitor when changing images or settings. Use a commercially available USB cable (Type-C, conforming to the USB standard) when connecting to a computer. Make sure that the indicator is not flashing red when removing the USB flash drive.

The indicator will flash red when the USB flash drive is being accessed. There is a risk that data will be damaged if it is removed at such a time.

Supported USB flash drives

Power button

Turn the power on/off. (Press and hold for approx. 3 seconds.)

MODE button

Change the method of changing the display image. Resets the settings to the factory default settings. (Press and hold for approx. 30 seconds.) When the reset is complete, the indicator lit blue and the screen becomes white.

PAIRING button

Enable Bluetooth.

To change the displayed image on this monitor, connect it to a device such as a smartphone via Bluetooth. You need to install a tool to deliver images on the device being used.

- See the following website for a tool to deliver images.
- **https://business.sharpusa.com/product-downloads(US)**
- **https://www.sharp.eu/download-centre(Europe)**
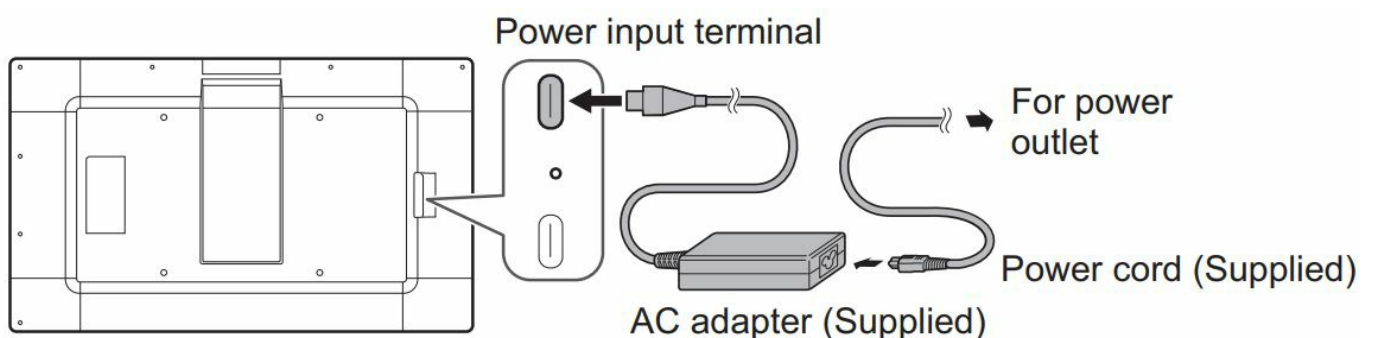- To disable Bluetooth, press and hold this button for 5 seconds.

TIP

- A USB flash drive that is encrypted or has a security function cannot be used.
- Use a USB flash drive with a shape that can be inserted in the USB port. Some USB flash drives with special shapes cannot be inserted. Do not forcibly insert a USB flash drive. This may damage the connector or cause failure.
- Check the USB flash drive for viruses as necessary.
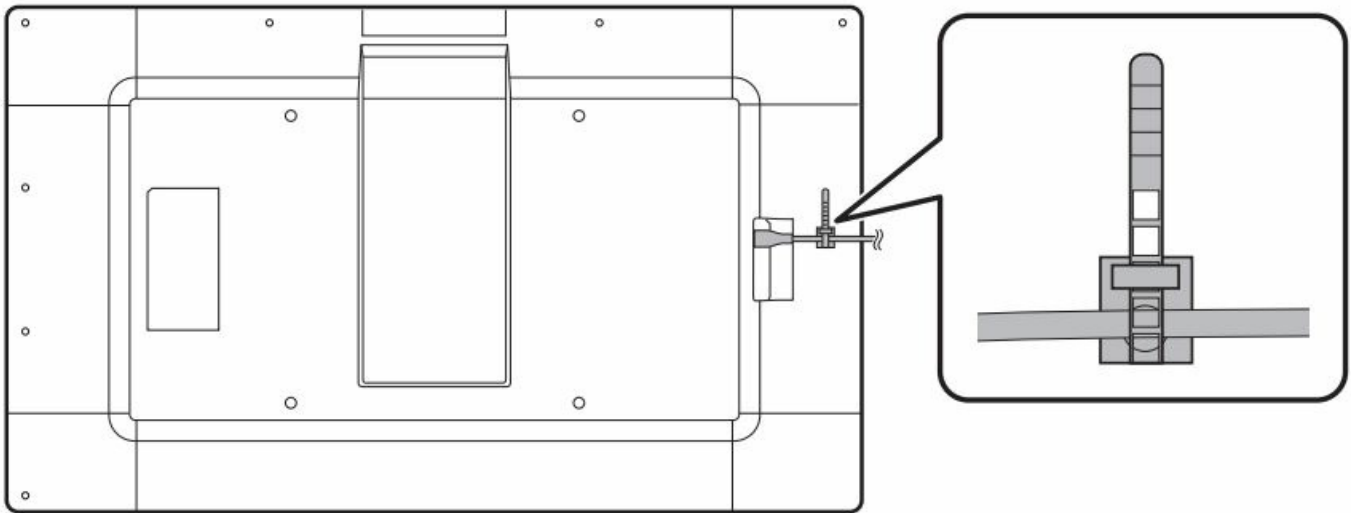
Connecting the Power Cord

This monitor does not require a power source to display the image, but it does require a power source to change the display image or settings.

Connect the monitor to the power outlet using the supplied AC adapter and power cord.
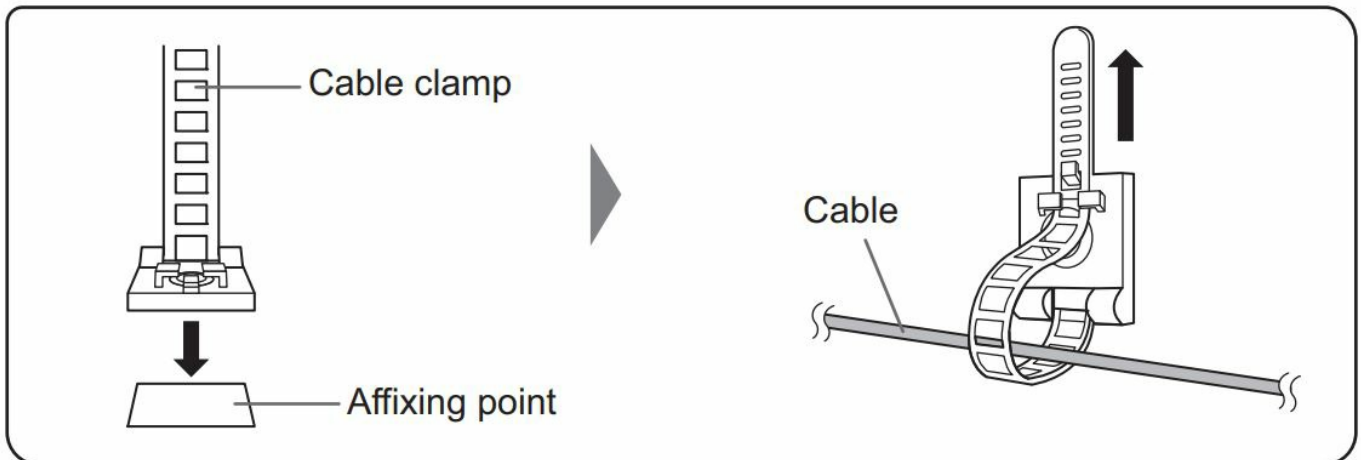

NOTE

- Use only the power cord and AC adapter supplied with the monitor.
- AC adapter included with EP-C251 is not suitable for use in locations where children are likely to be present.
- Be sure to clamp the cord of the AC adapter (supplied) by using the supplied cable clamp. When clamping the cord, take care not to stress the terminal of the cord. Do not bend the cord excessively.

Binding Cables

The supplied cable clamps can be used to clamp cables connected to this monitor.
Attach the supplied cable clamps to a flat surface, removing any dust or dirt before attaching.
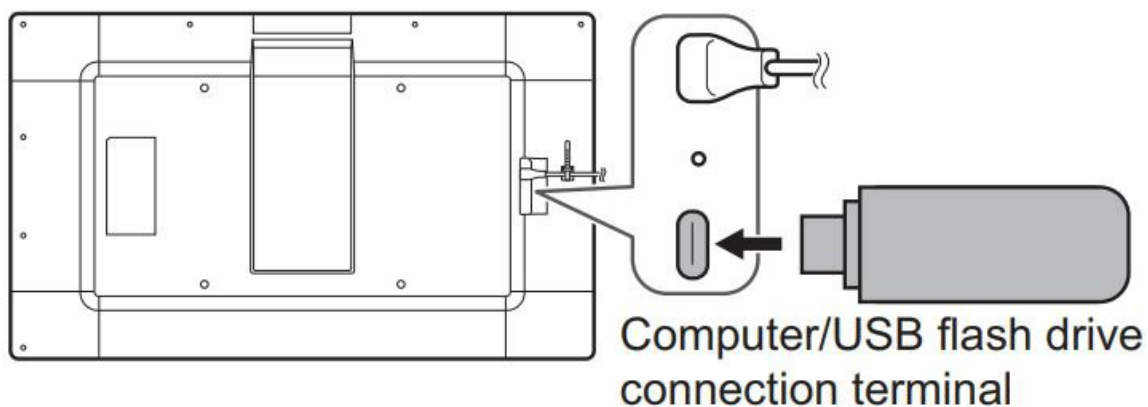

Change display image

Supported formats

The types of files that can be played are as follows. (Not all files are guaranteed to be played back.)

Extension	Max. resolution	
	EP-C251	EP-C131
.jpeg (.jpg)		
*.bmp	8192×4608	8192×6144
*.png		

Send a display image to this monitor

1. Create a "Slideshow" folder for the USB flash drive (commercially available) root folder.
2. Save the images to display on this monitor in the "Slideshow" folder.
     - You can also send multiple images.
3. Connect the power source for this monitor.
4. Connect the USB flash drive with the saved image to the Computer/USB flash drive connection terminal.

Computer/USB flash drive connection terminal

- The USB flash drive image will be sent to this monitor. Images on displayed on this monitor will be replaced by images on the USB flash drive.
- The indicator will flash red while the USB flash drive is being accessed.

Check that the indicator is not flashing once the transfer has finished, and remove the USB flash drive.

How to change the display image

- There is a Manual Mode and an Automatic Mode.
- How to change the mode: each time you press and hold the MODE button (for approx. 3 seconds), the mode will change.

Manual Mode:

- The following image will be displayed when you press the MODE button.
- It will return to the initial image when the final image is displayed.
- Connect to a power source when changing an image.

Automatic Mode:

- The following image will be displayed automatically.
- It will return to the initial image after the final image is displayed.
- Playback will pause/resume each time you press the MODE button. Make sure to connect to a power source during Automatic Mode.

TIP

- Changing the display image will take approx. 30 seconds. During this time, colors may flash on the screen, and this is not a malfunction.
- The image change interval is 10 minutes. (Factory setting. The interval time includes the image change time. The image display time will be approx. 30 seconds shorter.)
- You can change the interval for changing images with the ePaper Settings Tool.

Information on the software license for this product

Software composition

The software included in this product is comprised of various software components whose individual copyrights are held by SHARP or by third parties.

Software developed by SHARP and open-source software

The copyrights for the software components and various relevant documents included with this product that were developed or written by SHARP are owned by SHARP and are protected by the Copyright Act, international treaties, and other relevant laws. This product also makes use of freely distributed software and software components whose copyrights are held by third parties. These include software components covered by a GNU General Public License (hereafter GPL), a GNU Lesser General Public License (hereafter LGPL) or other license agreements.

Obtaining source code

Some of the open-source software licensors require the distributor to provide the source code with the executable software components. GPL and LGPL include similar requirements. For information on obtaining the source code for the open-source software and for obtaining the GPL, LGPL, and other license agreement information, visit the following website: **https://jp.sharp/business/lcd-display/support/download/source_e.html**

We are unable to answer any questions about the source code for the open-source software. The source code for the software components whose copyrights are held by SHARP is not distributed.

Specifications

Product Specifications

Model		EP-C251	EP-C131
Display*	Size	25.3" Class (16:9) [25-5/16 inch (64.3 cm) diagonal]	13.3" Class (4:3) [13-5/16 inch (33.8 cm) diagonal]
	Max. resolution (dots)	3200 x 1800	1600 x 1200
	Display	Color	
	Pixel pitch	0.175 mm (H) x 0.175 mm (V)	0.169 mm (H) x 0.169 mm (V)
	Screen active area inch (mm)	22-1/16 (W) x 12-3/8 (H) (560 x 315)	10-5/8 (W) x 8 (H) (270.4 x 202.8)
Input/ output terminals	USB	USB Type-C x 2 (for data x1, for power supply x1)	
Storage		8GB (Free area: 3 GB)	
Wireless LAN		IEEE802.11a/b/g/n/ac compliant Encryption mode: Enhanced Open, WEP, WPA, WPA2	
Bluetooth		5.0 compliant Supported protocols: GAP, GATT, SPP	
Power requirement		AC 100 V - 240 V, 50/60 Hz (when using the supplied AC adapter), DC 20 V	AC 100 V - 240 V, 50/60 Hz (when using the supplied AC adapter), DC 15 V
Operating temperature		Monitor: 32°F to 122°F (0°C to 50°C) (When changing the display image: 59°F to 95°F (15°C to 35°C)) AC adapter: 32°F to 95°F (0°C to 35°C)	
Operating humidity		20% to 80% (no condensation)	
Dimensions (excluding protrusions) inch (mm)		Approx. 23-7/16 (W) x 1-1/4 (D) x 13-13/16 (H) (596.0 x 31.1 x 351.6)	Approx. 12-1/16 (W) x 13/16 (D) x 9-1/16 (H) (306.4 x 20.9 x 229.9)
Weight lbs. (kg)		Approx. 4.2 (1.9)	Approx. 1.6 (0.7)

- Panel specifications. Approx. 2 dots around the circumference are hidden due to the bezel. Take care when producing content.
- Displaying images does not consume power, but 1 W will be required when the system is on standby, and up to approx. 30 W (approx. 15 W for EP-C131) will be required when changing the image.
- 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.
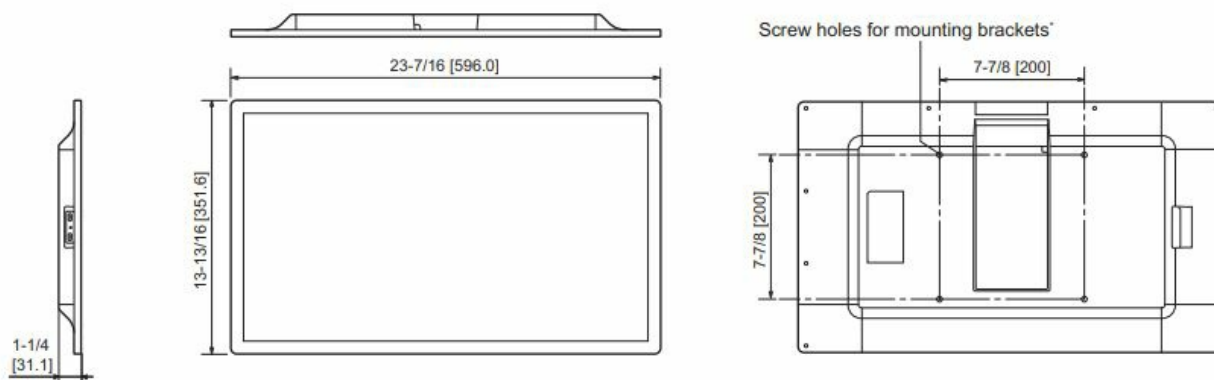- There may be some deviations from these values in individual units.

Dimensional Drawings

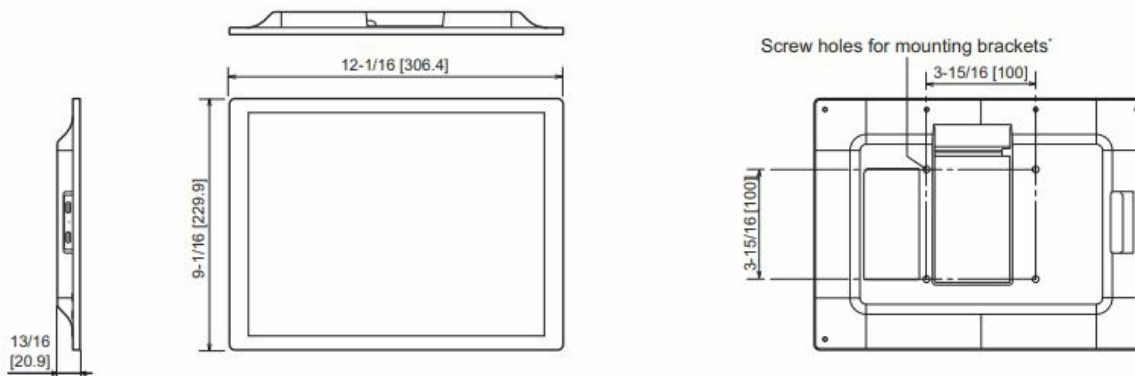Note that the values shown are approximate values.

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[EP-C251]

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Unit: inch [mm]

When mounting the monitor, be sure to use a wall-mount bracket that complies with the VESA-compatible mounting method. SHARP recommends using M4 screws and tighten the screws. Note that the screw hole depth of the monitor is 3/8 inch (10 mm). Loose mounting may cause the product to fall, resulting in serious personal injuries as well as damage to the product. The screw and hole should come together with over 5/16 inch (8 mm) length of thread. Use a bracket that has been approved for UL1678 standard, and which can endure at least 4 times or more the weight of the monitor.

Channels that can be used in wireless LAN (US and Canada)

Standard	Channel	Frequency band (center frequency)
IEEE802.11n/g/b	1-11ch	2412-2462MHz
IEEE802.11ac/n/a	36/38/40/42/44/46/48ch	5180-5240MHz
	52/54/56/58/60/62/64ch	5260-5320MHz
	100/102/104/106/108/110/112/116/118/132/134/136/138/140ch	5500-5700MHz
	149/151/153/155/157/159/161/165ch	5745-5825MHz

Channels that can be used in wireless LAN (Europe)

Standard	Channel	Frequency band (center frequency)
IEEE802.11n/g/b	1-13ch	2412-2472MHz
IEEE802.11ac/n/a	36/38/40/42/44/46/48ch	5180-5240MHz
	52/54/56/58/60/62/64ch	5260-5320MHz
	100/102/104/106/108/110/112/116/118/120/122/124/126/128/132/134/136/138/140ch	5500-5700MHz
	149/151/153/155/157/159/161/165ch	5745-5825MHz

- Outdoor use of the 5 GHz band is restricted by the Radio Law

UK(NI)	FR	ES	DE	BG	HR	CZ	DK	NL
EE	FI	EL	HU	IS	IT	LV	LT	MT
NO	PL	PT	RO	SK	SI	SE	TR	

[United Kingdom (UK(NI))] Indoor use only.

Notice for Users in the United Kingdom

Hereby, Sharp declares that the radio equipment type ELECTRONIC PAPER DISPLAY EP-C131/EP-C251 is in compliance with the relevant statutory requirements. The full text of the declaration of conformity is available at the following internet address:
https://www.sharp.eu/documents-of-conformity

Specifications:

- **Frequency range**: 2402 MHz to 2480 MHz / 5180 MHz to 5320 MHz / 5500 MHz to 5700 MHz / 5745 MHz to 5825 MHz
- **Wireless Transmit Power:** Less than 20 dBm / 18 dBm / 16 dBm / 14 dBm (EIRP)

Documents / Resources

SHARP EP-C251 Electronic Paper Display [pdf] User Guide
EP-C251 Electronic Paper Display, EP-C251, Electronic Paper Display, Paper Display, Display

References

- **dtsc.ca.gov/hazardouswaste/perchlorate**
- **Sharp Electronics | SharpUSA**
- **Drivers | Manuals | Software Downloads | Sharp for business**
- **Source Codes**
- **Documents of Conformity**
- **Download centre | Sharp**

- **User Manual**