

SOLUM SIGNAGE

Smart Signage User Manual

WB23FAEAD**HSM

ENGLISH

** = U* → United States

** = E* → Europe

** = N* → New Zealand (N0), Australia (N1)

Precautions When Handling the Panel

The color and the appearance may differ depending on the model.



Do not stand the product as shown in the image.
The panel is fragile and can get damaged.



Do not hold or grasp any area of the product within 9.6 mm from the front.

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CHAPTER 01

PREPARATIONS

Checking the Components

Contact the vendor where you purchased the product if any components are missing.

The appearance of the components may differ from the images shown.

A stand is not provided with the product.

Quick setup guide



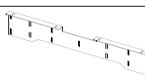
User manual



Warranty guide
(Not available in some locations)



Wall bracket



Screw (PWA3*10) 4 ea
(For fastening the bracket and shelf)



Screw (CM3*3) 4 ea
(For fastening the bracket and set)



Micro USB to USB Type-A interface cable



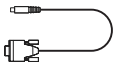
AC/DC adapter



AC cord
(Product appearance may vary by country)



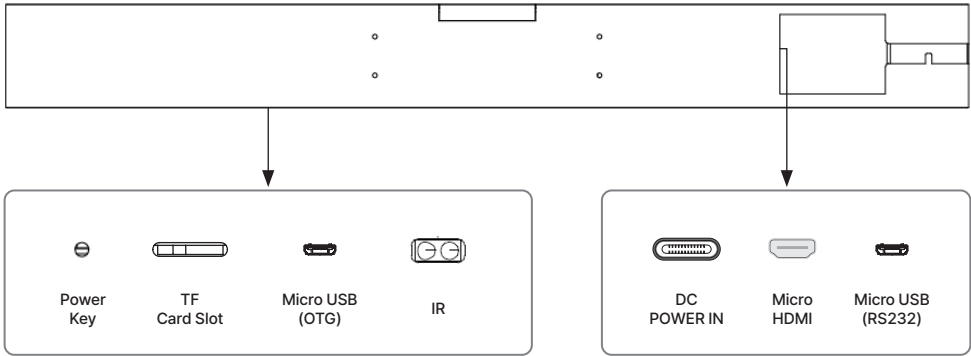
Micro USB to RS232 interface cable



Remote control



Ports



Port	Description
Power Key	It is used for entering Standby Mode.
TF Card Slot	This is the port for using TF cards
Micro USB2.0(0.5A) (OTG)	Connect to a USB memory device. The USB ports on the product accept a maximum constant current of 0.5A. If the maximum value is exceeded, USB ports may not work.
IR	Receives infrared signals from a remote control for operating the signage.
DC Power In	Connect the power cable to supply power.
Micro HDMI	Connects to a source device using a HDMI cable or HDMI-DVI cable.
RS232 (via Micro USB)	Provides RS232 serial communication using a Micro USB to RS232 interface cable. USB device functionality and USB data communication are not supported.

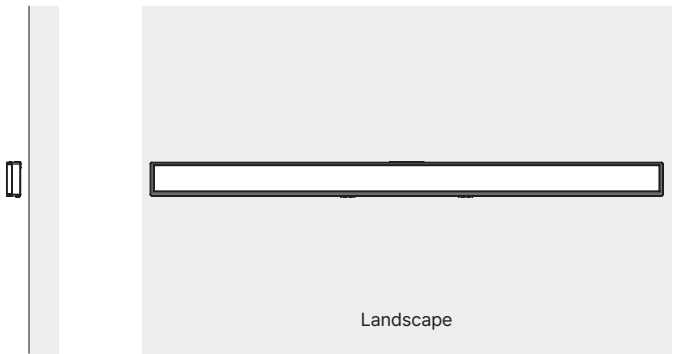
* Ethernet connection is supported through a USB-to-LAN adapter (not included, sold separately). Connection quality and speed are not guaranteed.

Before Installing the Product (Installation Guide)

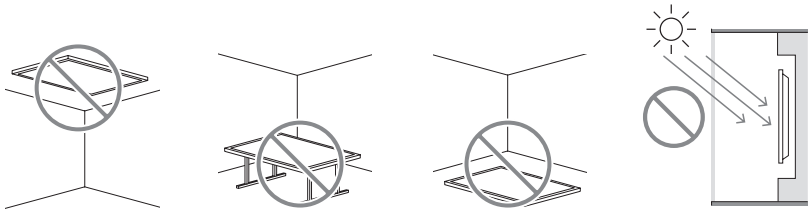
To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

- Ensure that an authorized installation company installs the wall mount.
- Otherwise, it may fall and cause personal injury.
- Make sure to install the specified wall mount.

The product simply needs to be installed in line with the vertical wall.



Do not use this model installed on a ceiling, floor, or table.
Keep the product away from direct sunlight. The product can be damaged.



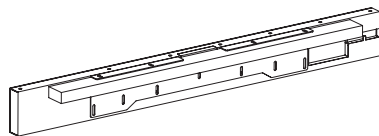
* Prolonged exposure of this product to direct sunlight or ultraviolet (UV) rays may cause screen discoloration, image retention (burn-in), or panel damage. These phenomena are characteristics of the product under certain operating environments and are not covered by the product warranty. To protect your device, please avoid exposure to direct sunlight and UV radiation during use.

Ventilation

Contact SOLUM for future details

Installation on the shelf

- Ⓐ Ambient temperature : Under 35°C



Install in a well-ventilated area to prevent overheating.

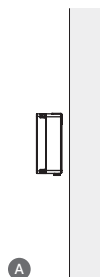
For ventilation, leave at least 50 mm of space between the product and other objects.

* Especially when installing near temperature-sensitive products (e.g., refrigerated or fresh food), ensure sufficient ventilation and be mindful of rising ambient temperatures, as the device's heat may affect adjacent products.

Installation on a Perpendicular Wall

- Ⓐ Ambient temperature : Under 35°C

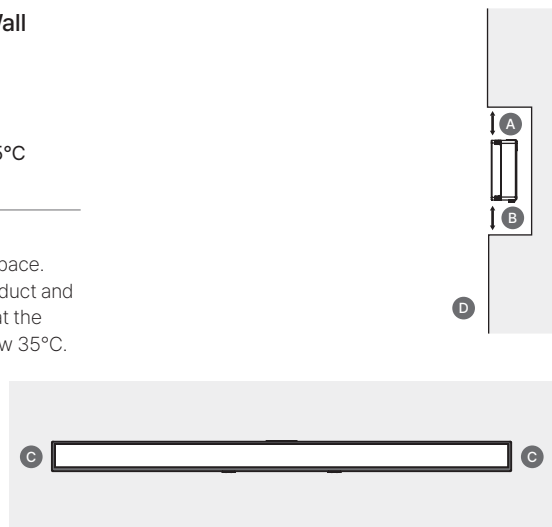
When installing the product on a perpendicular wall, allow at least 50mm of space between the product and wall surface for ventilation and ensure that the ambient temperature is kept below 35°C.



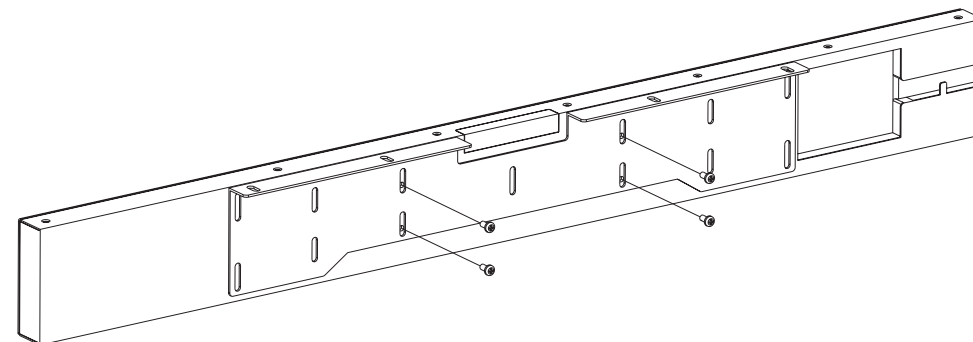
Installation on an Indented Wall

- Ⓐ Minimum 50 mm
- Ⓑ Minimum 50 mm
- Ⓒ Minimum 50 mm
- Ⓓ Ambient temperature : Under 35°C

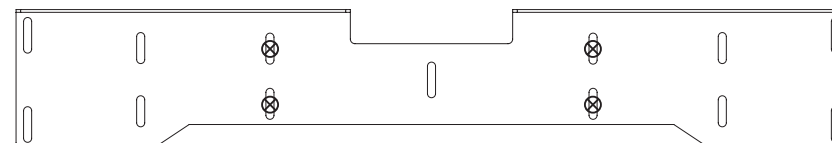
When installing the product on an indented wall, allow at least the space specified above between the product and wall for ventilation and ensure that the ambient temperature is kept below 35°C.



Method of Fix the Set on the Bracket



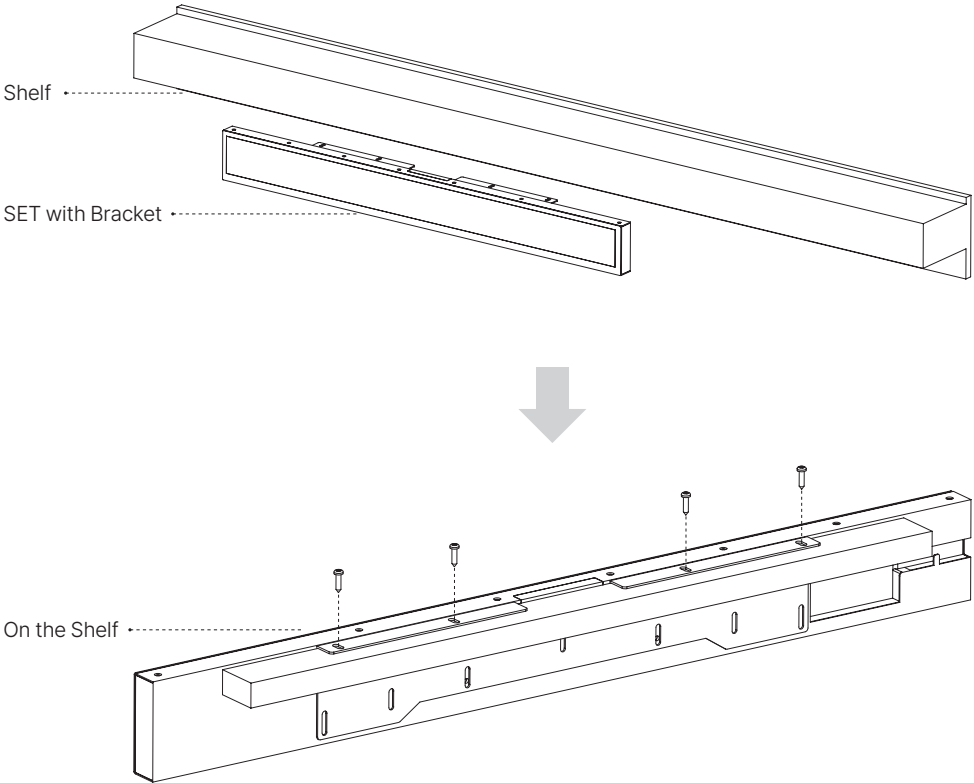
Point for fastening the screw



Screw Size : Diameter CM3, Length 3 mm

- 4 Point screws are supplied assembled to the set and bracket.
- Unscrew the assembled screws.
- Turn the bracket over, and fasten the screws.

Installing on the Shelf Using Bracket



Screw Size : Diameter PWA3, Length 10 mm

- You can hang the product on the shelf using the bracket.
- The images provided are for reference only.
- It is recommended to seek help from a technician when installing a wall bracket.
- SOLUM is not responsible for any damage to the product or injury to you or others caused by arbitrarily installing the wall mount.
- Install the product so that the plug is easily accessible.

CHAPTER 02

SPECIFICATIONS

Model name		WB23FAEAD**HSM
Panel	Size	23"
	Display area	585.22 (H) x 48.16 (V) mm
Resolution		1,920 × 158 @ 60Hz
Power Supply		Input : AC 100-240 V ~ 50/60 Hz Output : DC 12 V, 2 A, 24 W
Environmental considerations	Operating	Temperature: 0°C ~ 50°C (32°F ~ 122°F) Humidity: 10% ~ 85%, non-condensing
	Storage	Temperature: -20°C ~ 60°C (-4°F ~ 140°F) Humidity: 5% ~ 95%, non-condensing
Max. RF output power (Only for EU)		20.07 dBm (n HT20)

APPENDIX

Licence



THIS PRODUCT IS SOLD WITH A LIMITED LICENCE AND IS AUTHORISED TO BE USED ONLY IN CONNECTION WITH HEVC CONTENT THAT MEETS EACH OF THE THREE FOLLOWING QUALIFICATIONS: (1) HEVC CONTENT ONLY FOR PERSONAL USE; (2) HEVC CONTENT THAT IS NOT OFFERED FOR SALE; AND (3) HEVC CONTENT THAT IS CREATED BY THE OWNER OF THE PRODUCT. THIS PRODUCT MAY NOT BE USED IN CONNECTION WITH HEVC ENCODED CONTENT CREATED BY A THIRD PARTY, WHICH THE USER HAS ORDERED OR PURCHASED FROM A THIRD PARTY, UNLESS THE USER IS SEPARATELY GRANTED RIGHTS TO USE THE PRODUCT WITH SUCH CONTENT BY A LICENSED SELLER OF THE CONTENT. YOUR USE OF THIS PRODUCT IN CONNECTION WITH HEVC ENCODED CONTENT IS DEEMED ACCEPTANCE OF THE LIMITED AUTHORITY TO USE AS NOTED ABOVE.

Open Source Licence Notice In the case of using open source software, Open Source Licence are available on the product menu. Open Source Licence Notice is written only English. For information on the Open Source Licence Notice, contact the SOLUM. www.solum-group.com

SAFETY INFORMATION

FCC Statement

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 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.

Warning

Changes or modifications not expressly approved by this device could void the user's authority to operate the equipment. This device with its antenna complies with FCC/IC RF exposure limits for general population / uncontrolled exposure.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

Industry Canada Statement

User manual notice

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

Radiation Exposure Statement:

This equipment complies with ISSED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20 cm between the radiator & your body.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISSED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20 cm entre le radiateur et votre corps.

European Regulatory Compliance

This device can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.

WiFi 5.15 ~ 5.25 GHz band = Indoor use only.

Precautions for Installing the Product



The lightning with arrow symbols inside the equilateral triangle is designed to remind users that there is a non-insulating "dangerous voltage" inside the product casing, which may be strong enough to constitute a risk of electric shock.

WARNING

- 1 The exclamation mark inside the equilateral triangle is intended to alert users of important operation and maintenance instructions in the literature accompanying the device.
- 2 Before installing or operating the device and refer to the information on the external bottom casing for electrical and safety information.
- 3 Do not install this device in enclosed or building spaces such as bookcases or similar devices, and maintain good ventilation conditions in open spaces. The ventilation openings should not be impeded with items such as newspaper table-cloths, curtains, etc.
- 4 Keep a minimum distance of 5cm around all edges of the device for sufficient ventilation.
- 5 Hanging the device on the wall.
Warning: This operation requires two people.
To ensure a safe installation, observe the following safety notes:
 - Check that the wall can support the weight of the device and all mount assembly.
 - Follow the mounting instructions provided.
 - The device must be installed on a vertical wall.
 - Make sure to use screws only suitable for material of the wall.
 - Make sure that the cables are placed so that there is not any danger of tripping over them. All other safety instructions about our device are also applicable here.※ Note: Illustrations in this publication are provided for reference only.
- 6 Do not place the device in an unstable position. The device may fall, causing serious personal injury or death. Many injuries, especially to children, can be avoided by taking simple preventive measures, such as:
 - Use cabinets or brackets recommended by the device manufacturer.
 - Only use furniture that can safely support the device.
 - Do not place the device on tall furniture (such as cabinets or bookcases) without fixing the furniture and device on suitable brackets.
 - Do not place the device on the cloth or other materials between the device and the supporting furniture.
 - Educate children about the dangers of climbing onto furniture to come into contact with the device or its control devices. If your existing device is retained and located, the same precautions should be applied as mentioned above.
- 7 To reduce the risk of fire or electric shock, do not expose this device to rainy or damp environments. The device shall not drip or splash, and objects filled with liquid (such as vases) shall not be placed on the device.
- 8 Do not place open flames, such as lighting candles, on the device.
- 9 To reduce the risk of electric shock, do not remove the cover (or back) as there are no user repairable components inside. Transfer the repair to qualified personnel.
- 10 The power plug/electrical pair is used as a disconnected device, and should remain operable.

Notes for battery disposal

The batteries used in this device contain chemicals that are harmful to the environment. To preserve our environment, dispose of used batteries according to local laws or regulations. Do not dispose of batteries with regular household waste. For more information, please contact the local authority or the retailer where you purchased the device.
All trademarks are the property of their respective owners and all rights are acknowledged.



To prevent a prolonged fire, always keep candles or other open flames away from this device.



Correctly dispose of this device. This marking indicates that this device should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources.
To return your used device, please use the return and collection systems or contact the retailer where the device was purchased. They can take the device for environmentally safe recycling.

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