

Hisense

Window Facing Display

Quick Installation Guide

**49WF/55WF
Series**



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Safety Instruction



1. Read Instructions

All the safety and operating instructions should be read before the appliance is operated.

2. Retain Instructions

The safety and operating instructions should be retained for future reference.

3. Heed Warnings

All warnings on the appliance and in the operating instructions should be adhered to.

4. Follow Instructions

All operating instructions should be followed.

5. Battery

Batteries shall not be exposed to excessive heat such as sunshine, fire or so on.

6. Earthing Connection

The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.

7. Water and Moisture

The appliance should not be used near water.

8. Ventilation

The appliance should be well situated so that its location or position does not interfere with its proper ventilation.

9. Heat

This appliance should be placed away from heat sources such as radiators, heat registers and stoves.

10. Power Sources

The appliance should only be connected to a power supply as described in the operating instructions or as marked on the appliance.

11. Grounding or Polarization

Precautions should be taken.

Safety Instruction

12. Power Cord Protection

Power supply cord should be located so that it is not likely to be walked on or pinched by items placed upon it.

13. Cleaning

The appliance should be cleaned only as recommended by the manufacturer.

14. Non-use Periods

The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

15. Objects and Liquids

Care should be taken so that objects do not fall, and liquids are not spilled into the enclosure through openings.

16. Conditions Requiring Service

The appliance should be serviced by qualified service personnel when: The power-supply cord or the plug has been damaged. Objects have fallen on or liquid has been spilled into the appliance. The appliance has been exposed to rain. The appliance does not appear to operate normally or exhibits a marked change in performance.

17. This appliance should not be exposed to water and no objects filled with liquids such as a vase should be placed on the unit. Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

18. Only for indoor used. 

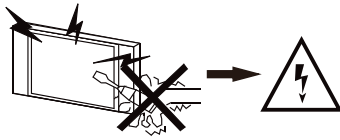
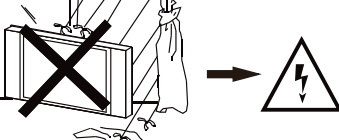
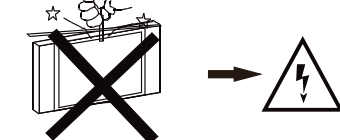
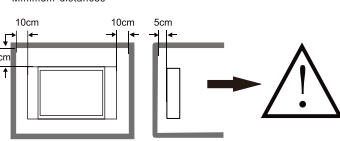
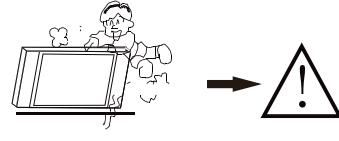
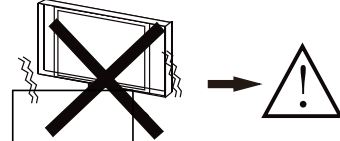
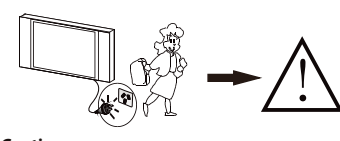
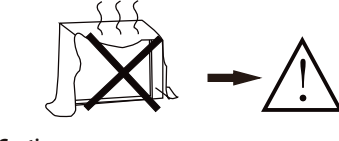
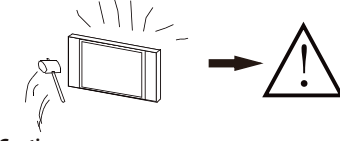
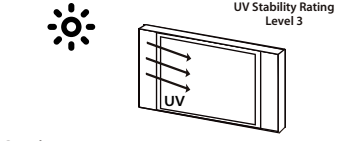
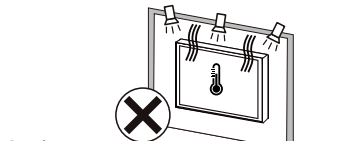
19. Caution

There is a button cell inside. Place away from the old and kids, avoiding to be eaten by mistake. Once happened, please go to hospital for treating immediately.

20. Keep the key properly.

There are high voltage and dangerous live parts inside. It's better to maintain and repair with a professional.

Safety Instruction

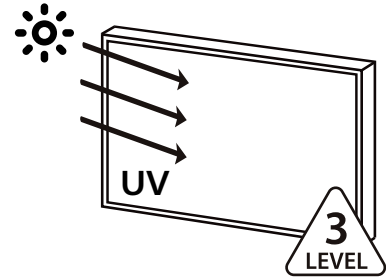
 <p>Warning High voltages are used in the operation of this product. Do not remove the back cover of the cabinet. Refer servicing to qualified service personnel.</p>	 <p>Warning To prevent fire or electrical shock hazard, do not expose the main unit to rain or moisture.</p>	 <p>Warning Do not insert foreign objects into the screen slots or openings. Never spill any kind of liquid on the screen receiver.</p>
 <p>Caution If the screen is placed into a confined space ensure that the minimum distances are observed as shown. Heat build up can reduce the service life of your screen, and can also be dangerous.</p>	 <p>Caution Never stand on, lean on, push or apply force to the product or its stand. You should pay special attention to children.</p>	 <p>Caution Do not place the main unit on an unstable cart stand, shelf or table. Serious injury to an individual and damage to the screen, may result should it fall.</p>
 <p>Caution When the product is not used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet.</p>	 <p>Caution Avoid exposing the main unit to direct sunlight and other sources of heat. Do not position screen receiver directly on other products which give off heat.e.g. Video cassette players, audio amplifiers. Do not block the ventilation holes in the back cover. Ventilation is essential to prevent electrical failure. Do not squash power supply cord under the main unit.</p>	 <p>Caution The panel used in this product is made of glass.It can break if the product is dropped or if force is applied to the panel. Individuals should execute caution when dealing with broken glass should the panel break.</p>
 <p>Caution Long-term exposure to sunlight with a high UV index may cause an oxidation reaction on the optical film of the product, resulting in the risk of the screen turning yellow.</p>	 <p>Caution The product installation environment should have sufficient heat dissipation space. Any heat source such as spotlights, heaters, and heat dissipation ports of other large machinery should be avoided in the product's heat dissipation area.</p>	

Exemptions

- Not liable for any damage caused by fires, natural disaster (such as thunderstorms earthquake, etc.), acts by the third parties, accidents, owner's misuse or use in other improper conditions.
- Not liable for incidental damages (such as profit loss or interruption in business modification or erasure of record data, etc.) caused by use or inability to use of product.
- Not liable for any damage caused by neglect of the instructions described in the owner's manual.
- Not liable for any damage caused by misuse or malfunction through simultaneous use of this product and the connected equipment.

UV Stability Rating Level

WF Series product possess UV stability rating level 3.
For detailed description of UV stability rating, please
check the description below



Level 1 - Lowest Stability

- Description: Materials at this level are highly susceptible to degradation and discoloration under UV exposure.
- Usage: Suitable only for indoor applications or environments with minimal UV exposure.
- Performance: Significant degradation can occur within days to weeks of UV exposure.

Level 2 - Low Stability

- Description: Materials exhibit noticeable degradation and discoloration with UV exposure.
- Usage: Suitable for occasional outdoor use or environments with low UV exposure.
- Performance: Significant degradation may begin to appear within weeks to months.

* Level 3 - Moderate Stability

- Description: Materials maintain reasonable stability under UV exposure but may show some signs of degradation over time.
- Usage: Suitable for most outdoor applications; additional protection might be necessary in high UV environments.
- Performance: Degradation may occur over several months to a year.

Level 4 - High Stability

- Description: Materials show strong resistance to UV degradation and maintain performance for extended periods.
- Usage: Ideal for long-term outdoor applications in high UV environments.
- Performance: Minor degradation might occur after a year or more of UV exposure.

Level 5 - Superior Stability

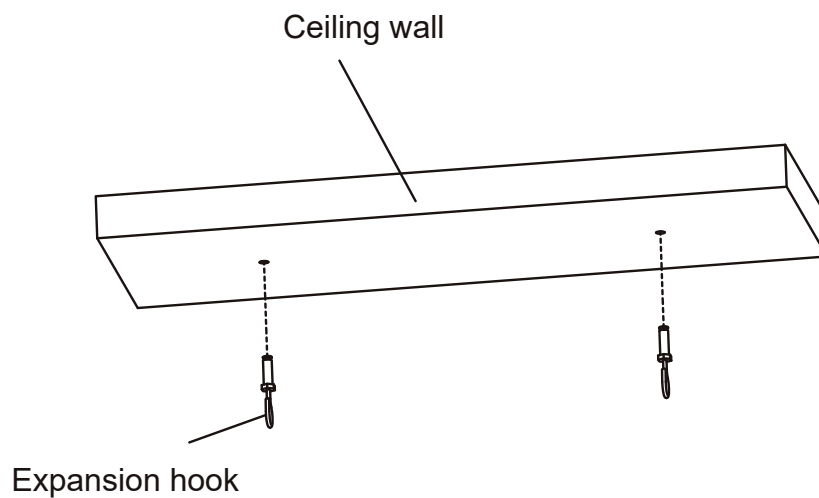
- Description: Materials exhibit excellent UV resistance with minimal degradation even under extreme UV conditions.
- Usage: Suitable for extreme environments such as high altitudes and equatorial regions.
- Performance: Maintains performance and appearance over multiple years of UV exposure.

Hanging Installation

Note:

The above installation methods are for reference only! Installation methods may be different depending on the actual mounting situation. The standard accessories of the complete machine do not include installation accessories shown in the below instruction, customer needs to purchase their own according to the actual situation.

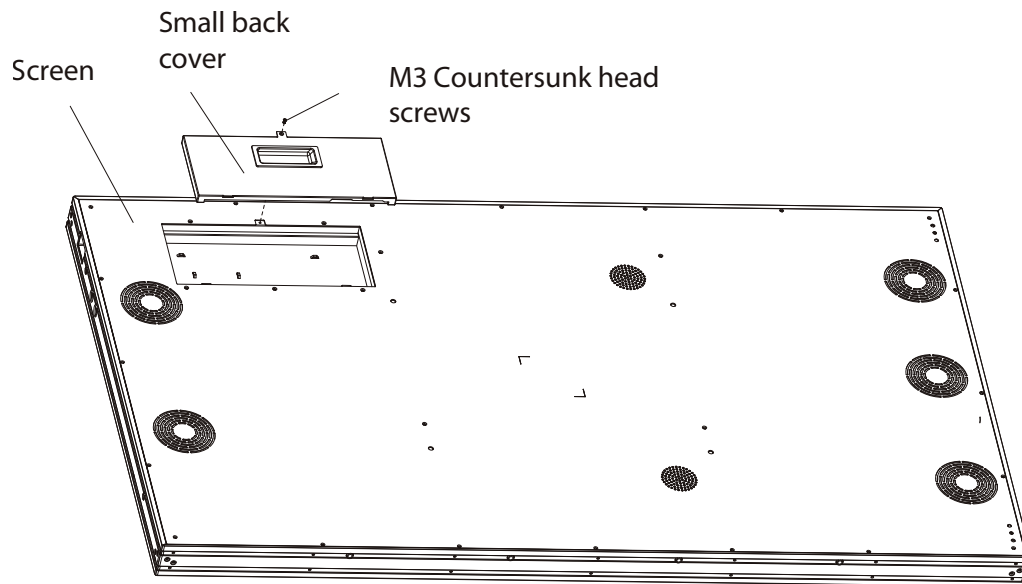
Hanging Type



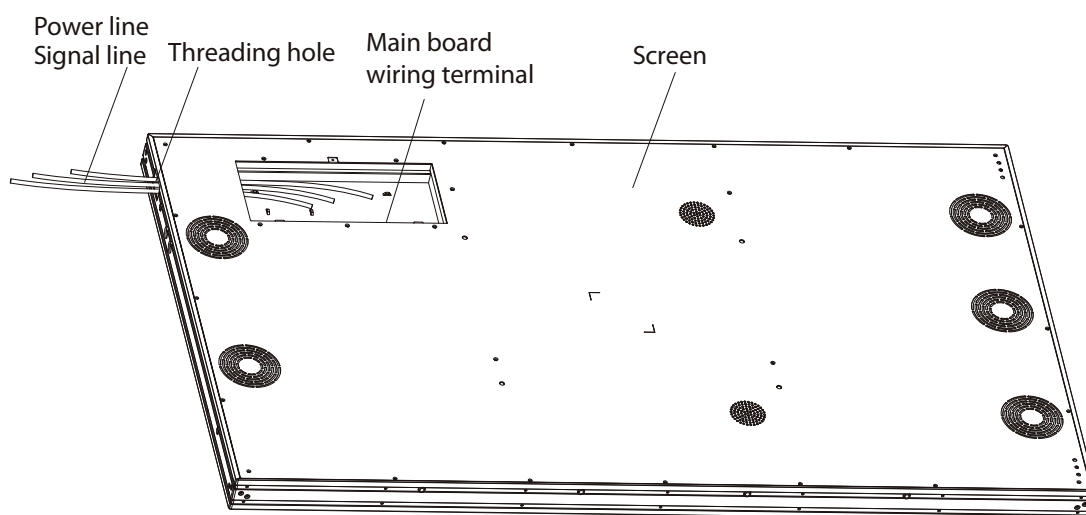
1. Install the expansion hook on the top

Hanging Installation

Hanging Type



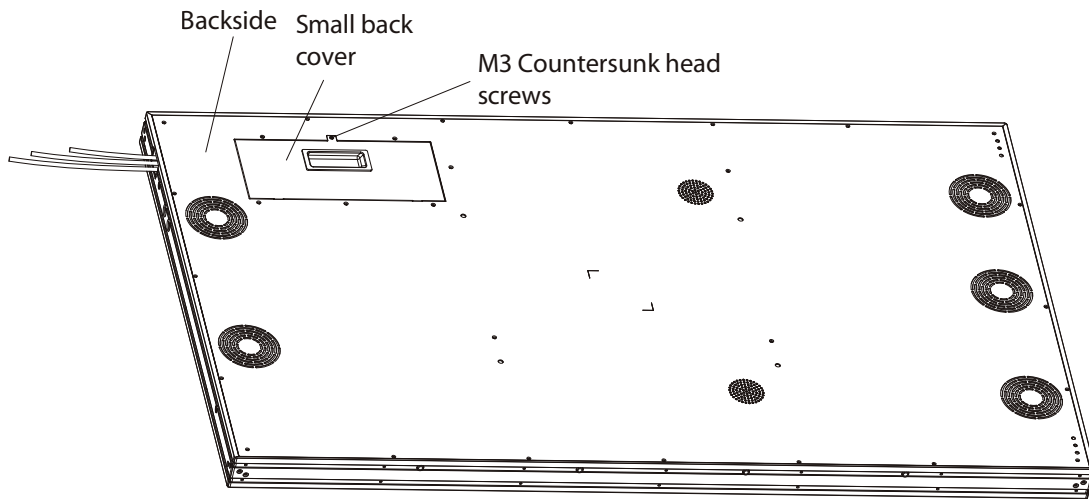
2. Open the small back cover



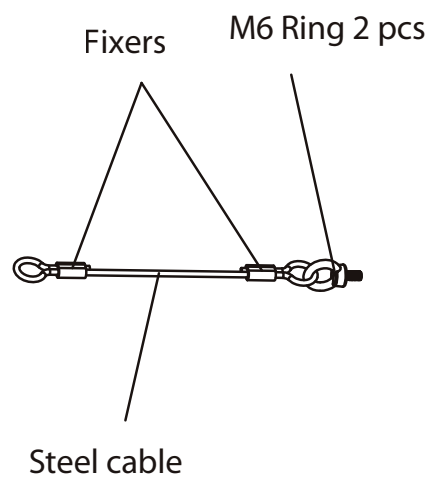
3. Threading & plug wires

Hanging Installation

Hanging Type



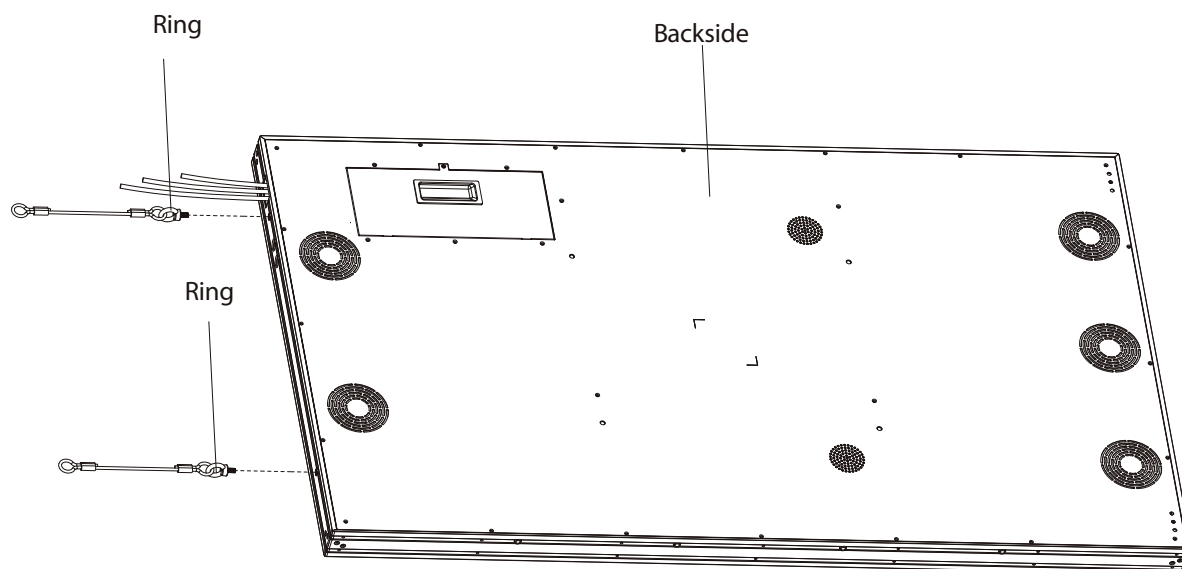
4. Close the small back cover, and fix the screws



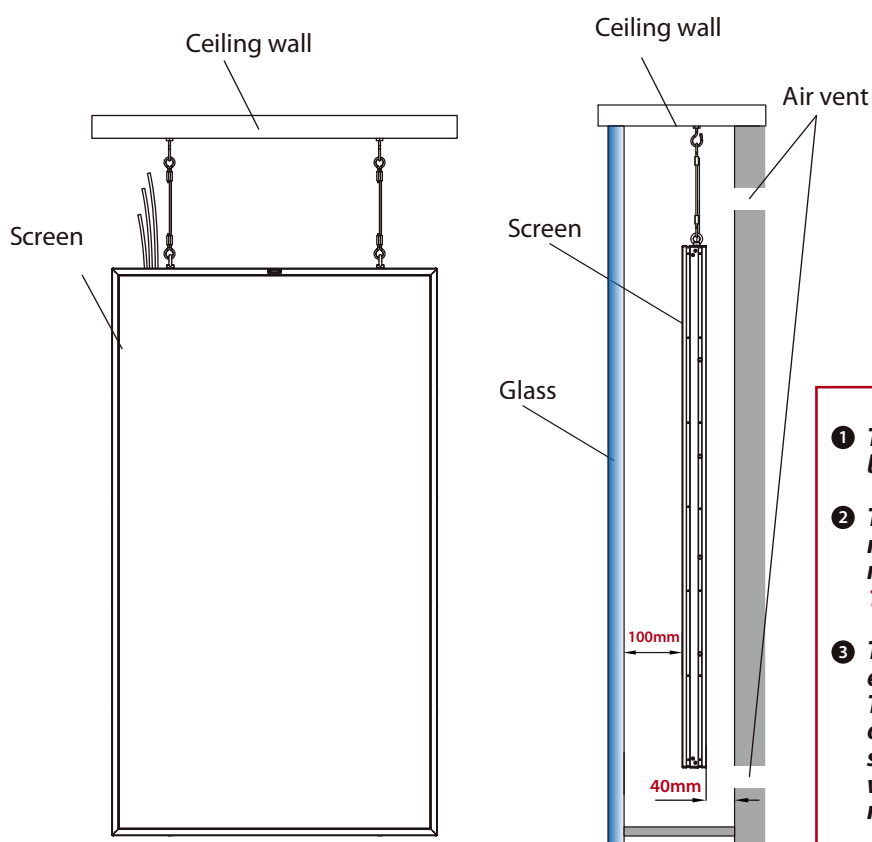
5. Connect one end of the steel cable to ring screw, the other end to be circled, and both ends are clamped with fixers.

Hanging Installation

Hanging Type



6. Install rings on the screen



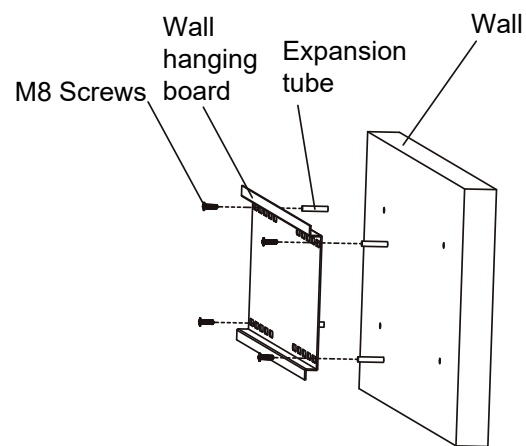
CAUTION

- 1 The gap between screen and wall must be bigger than **40mm**.
- 2 The gap between screen and glass is recommended to be **200mm**, and the minimum should not be less than **100mm**.
- 3 The screen must not be installed in an enclosed space without air convection. This space must have an air inlet and outlet, and if necessary, a diversion fan should be installed to ensure air flow, with an air flow rate or air volume requirement of more than **300 CFM**.

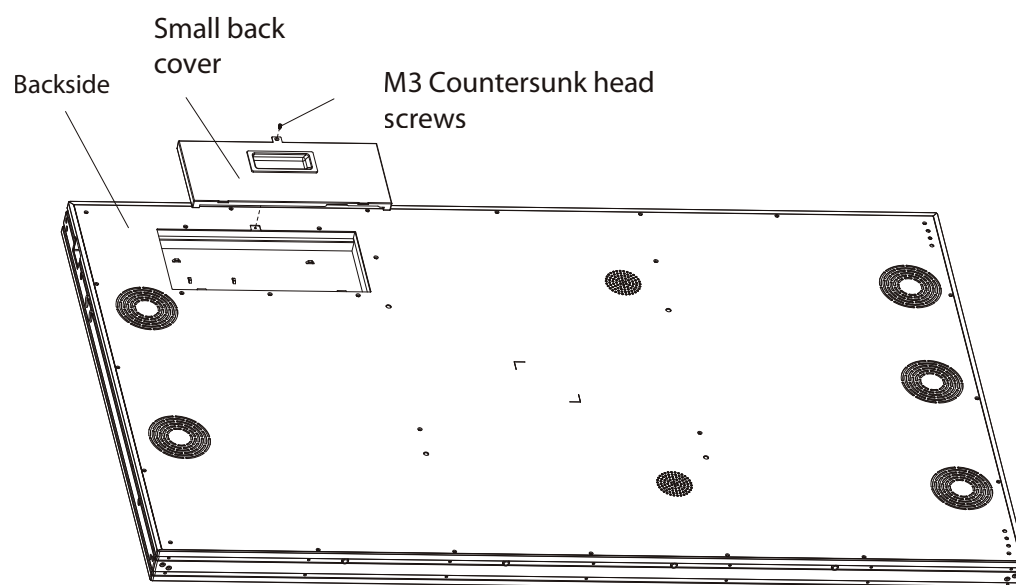
7. Hang the screen on expansion hooks

Wall-mount Installation

Wall Mounted



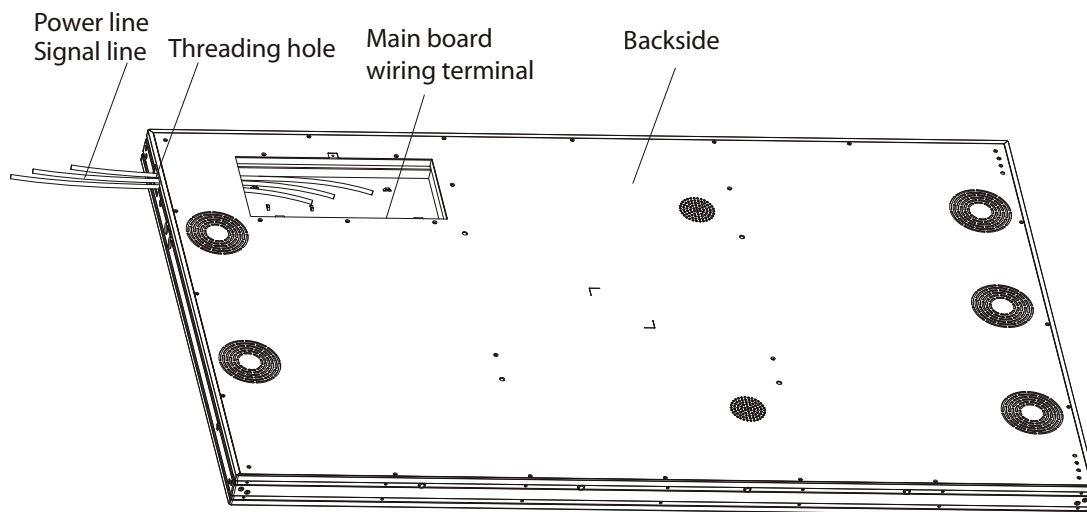
1. Install the hanging board on the wall



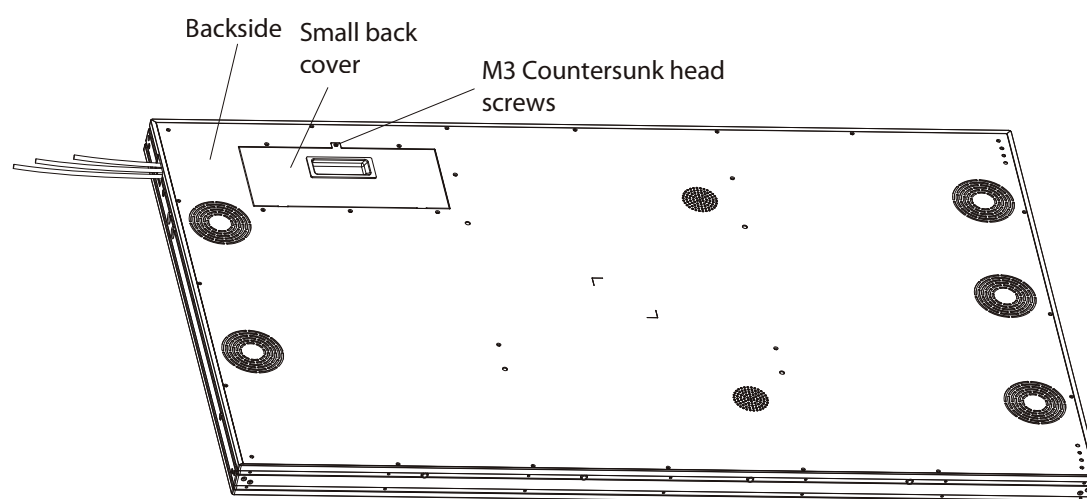
2. Open the small back cover

Wall-mount Installation

Wall Mounted



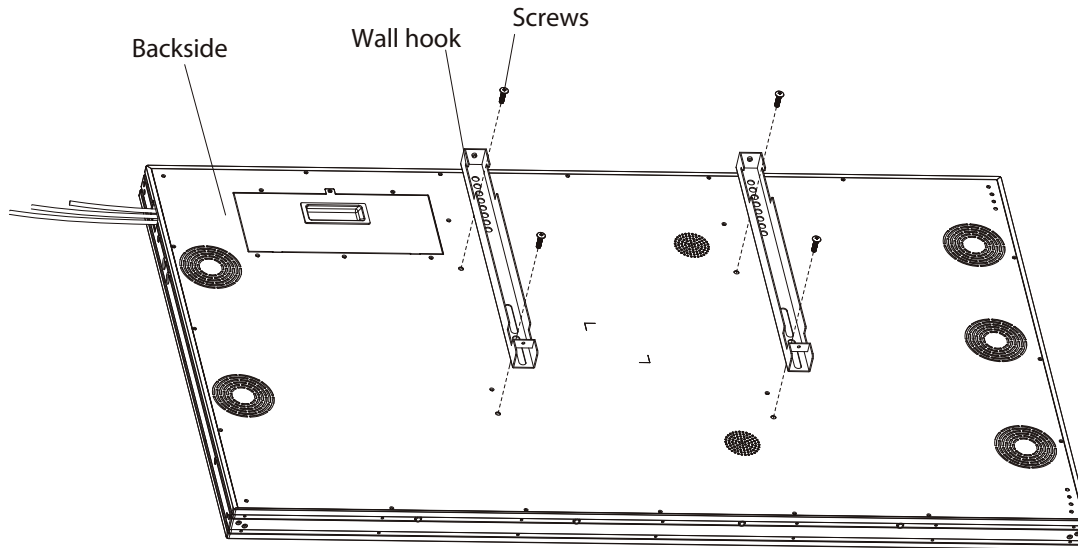
3. Threading & plug wires



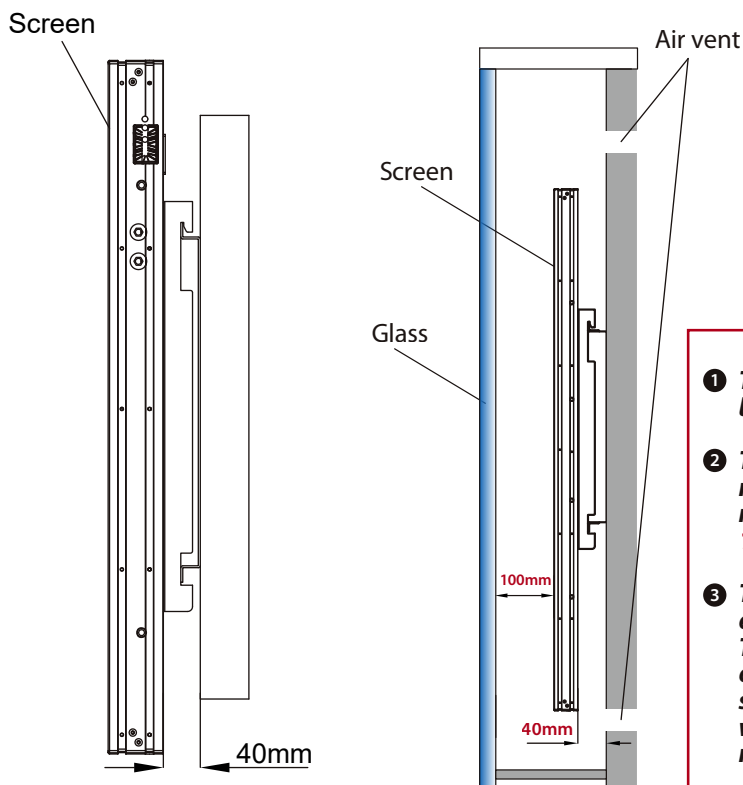
4. Close the small back cover, and fix the screws

Wall-mount Installation

Wall Mounted



5. Install wall hooks



The gap between screen and wall must be bigger than 40mm.

CAUTION

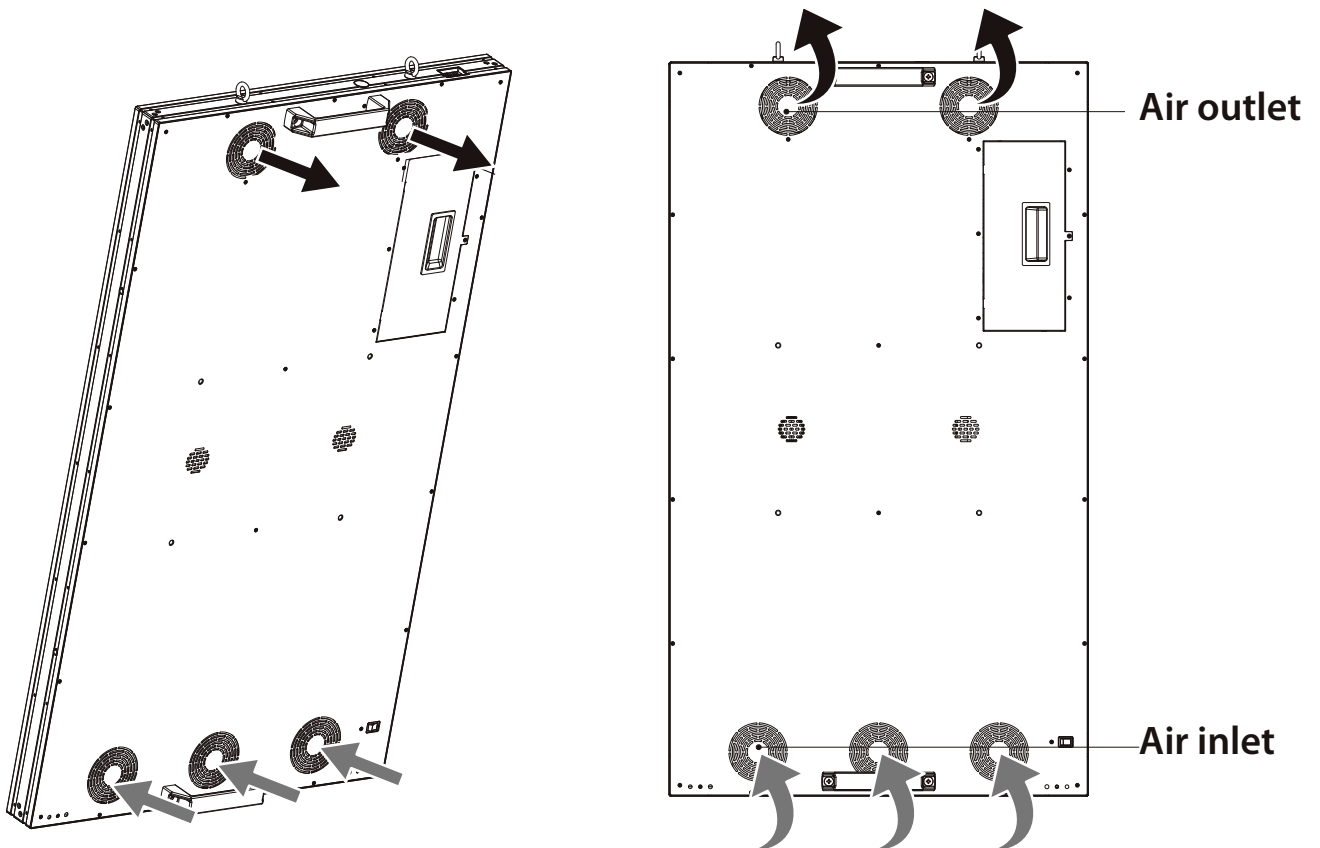
- 1 The gap between screen and wall must be bigger than **40mm**.
- 2 The gap between screen and glass is recommended to be **200mm**, and the minimum should not be less than **100mm**.
- 3 The screen must not be installed in an enclosed space without air convection. This space must have an air inlet and outlet, and if necessary, a diversion fan should be installed to ensure air flow, with an air flow rate or air volume requirement of more than **300 CFM**.

6. Install the screen on the hanging board

Installation Requirements

Air flow direction

- For cooling purposes, a fan is used to intake air through the inlet and hot air is discharged through the outlet

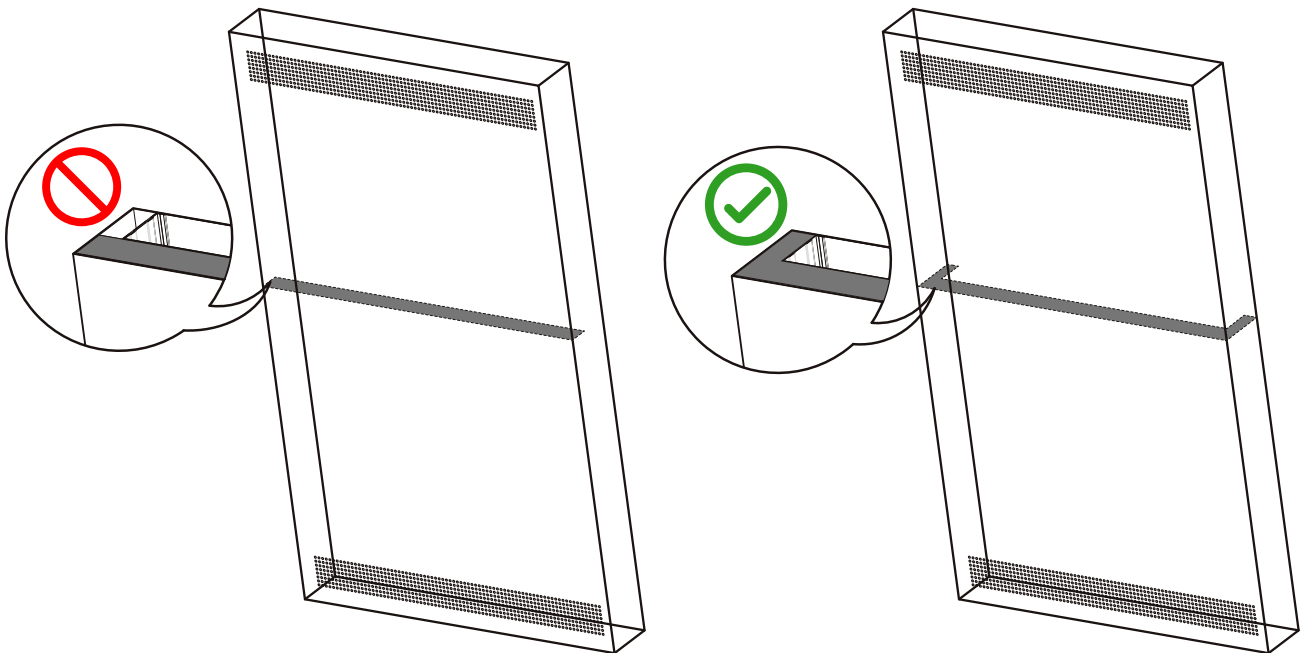


Installation Requirements

Enclosure unit design

Partition design guide

- When making a case for the enclosure, make sure to separate the inlet and outlet with a partition.
- Place sponge pads, etc., between the partition and the enclosure to completely block air flow.



Installation Requirements

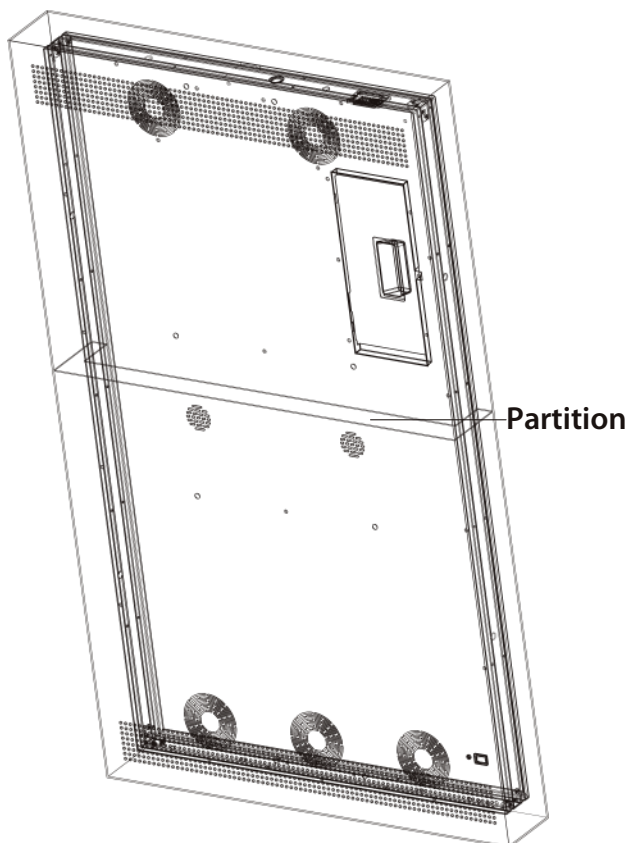
Inlet and outlet designs

- The aperture must be at least 50 % of the total aperture area.

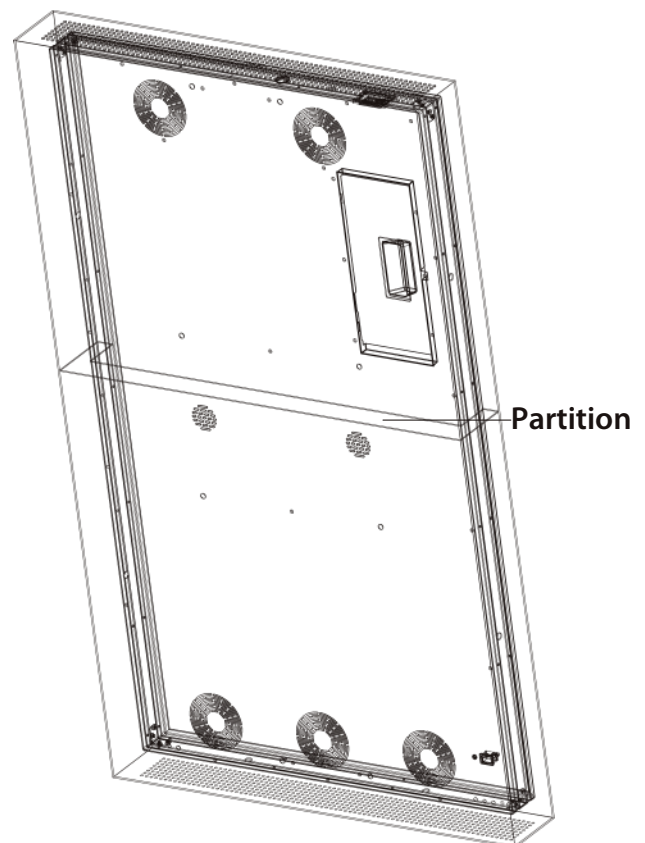
Single enclosure unit

- Make sure to separate the inlet and outlet to prevent the air around one from entering the other

Case 1



Case 2



Installation Requirements

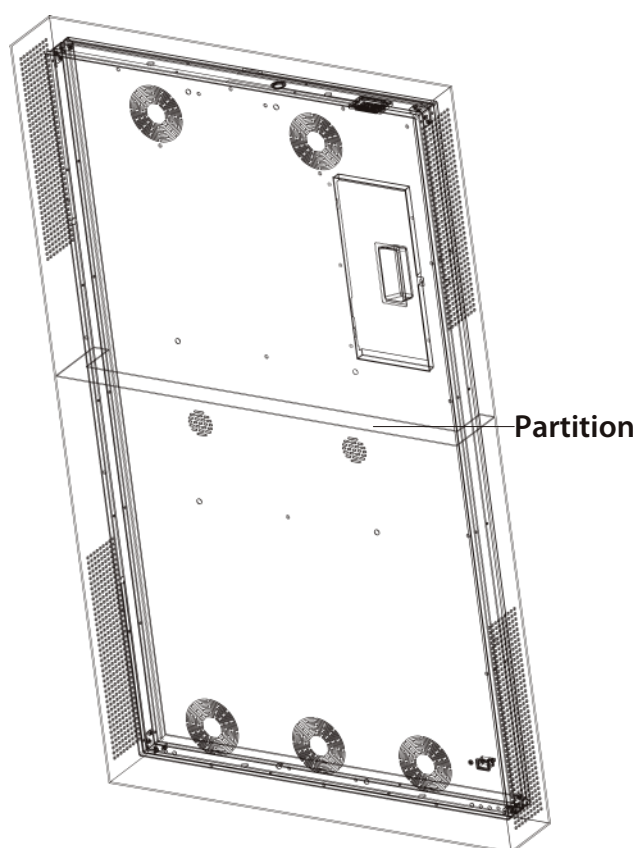
Inlet and outlet designs

- The aperture must be at least 50 % of the total aperture area.

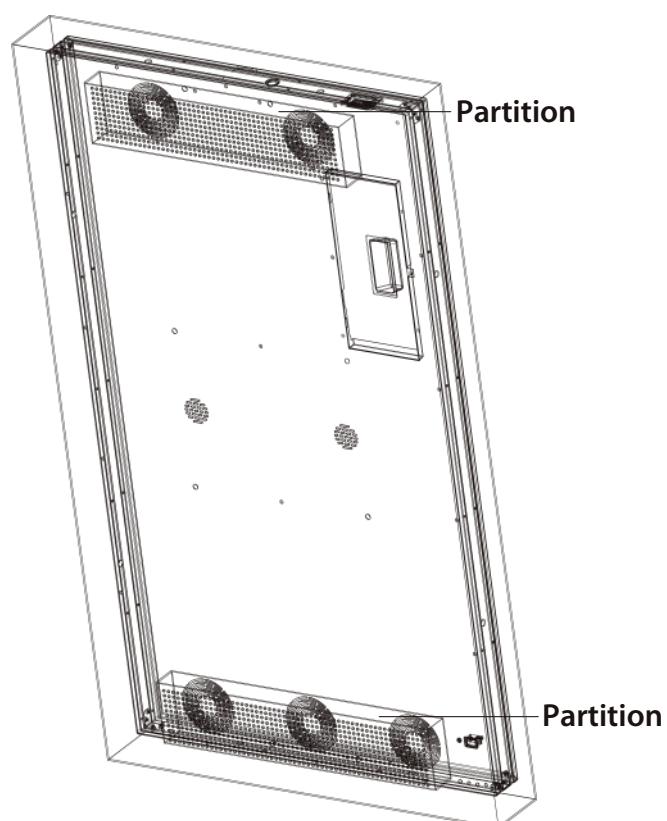
Single enclosure unit

- Make sure to separate the inlet and outlet to prevent the air around one from entering the other

Case 3



Case 4

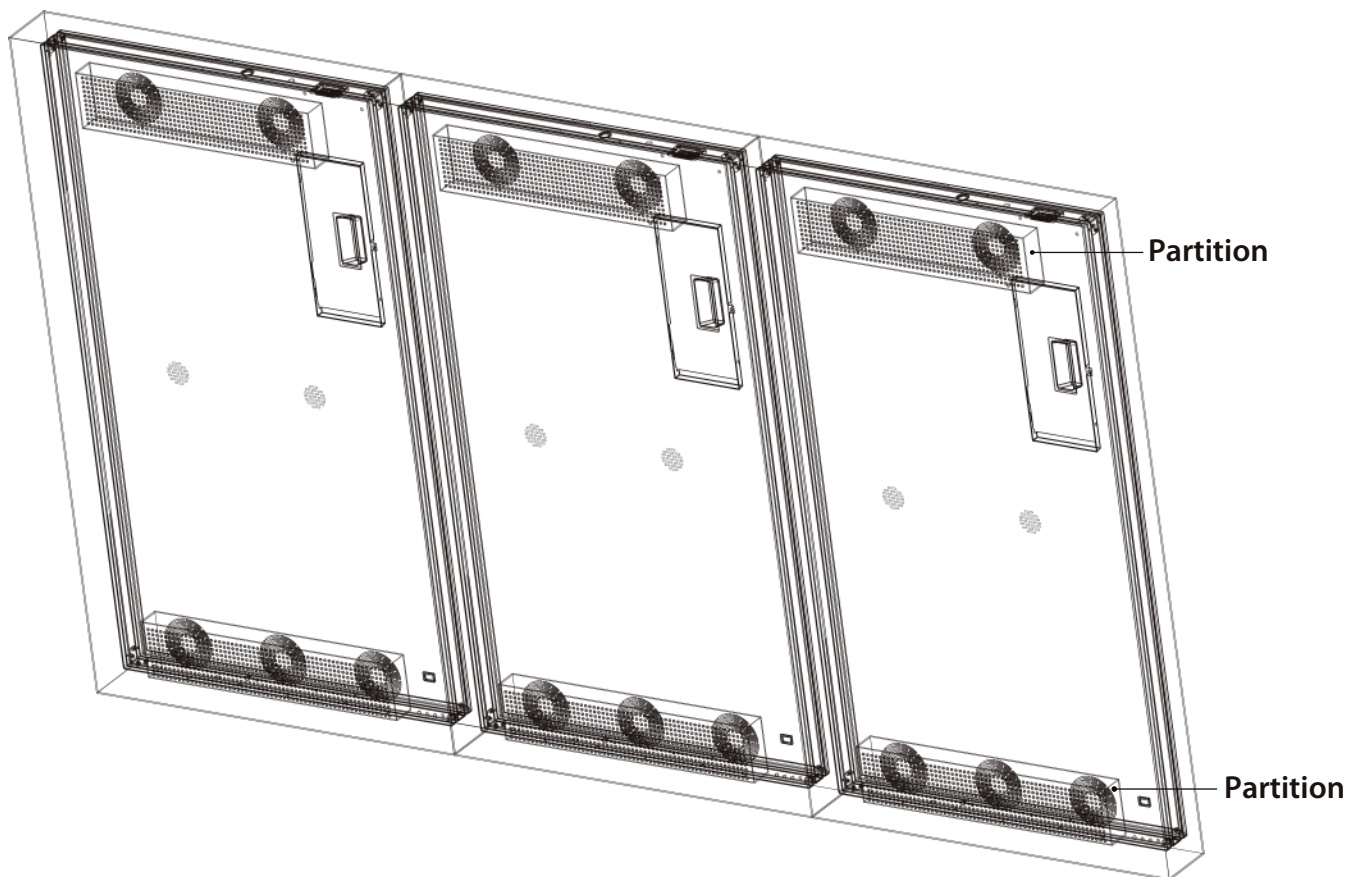


Installation Requirements

1 x N one-side enclosure unit

- When installing more than one product together, make sure to separate the inlet and outlet to prevent the air around one from entering another.

Case 1

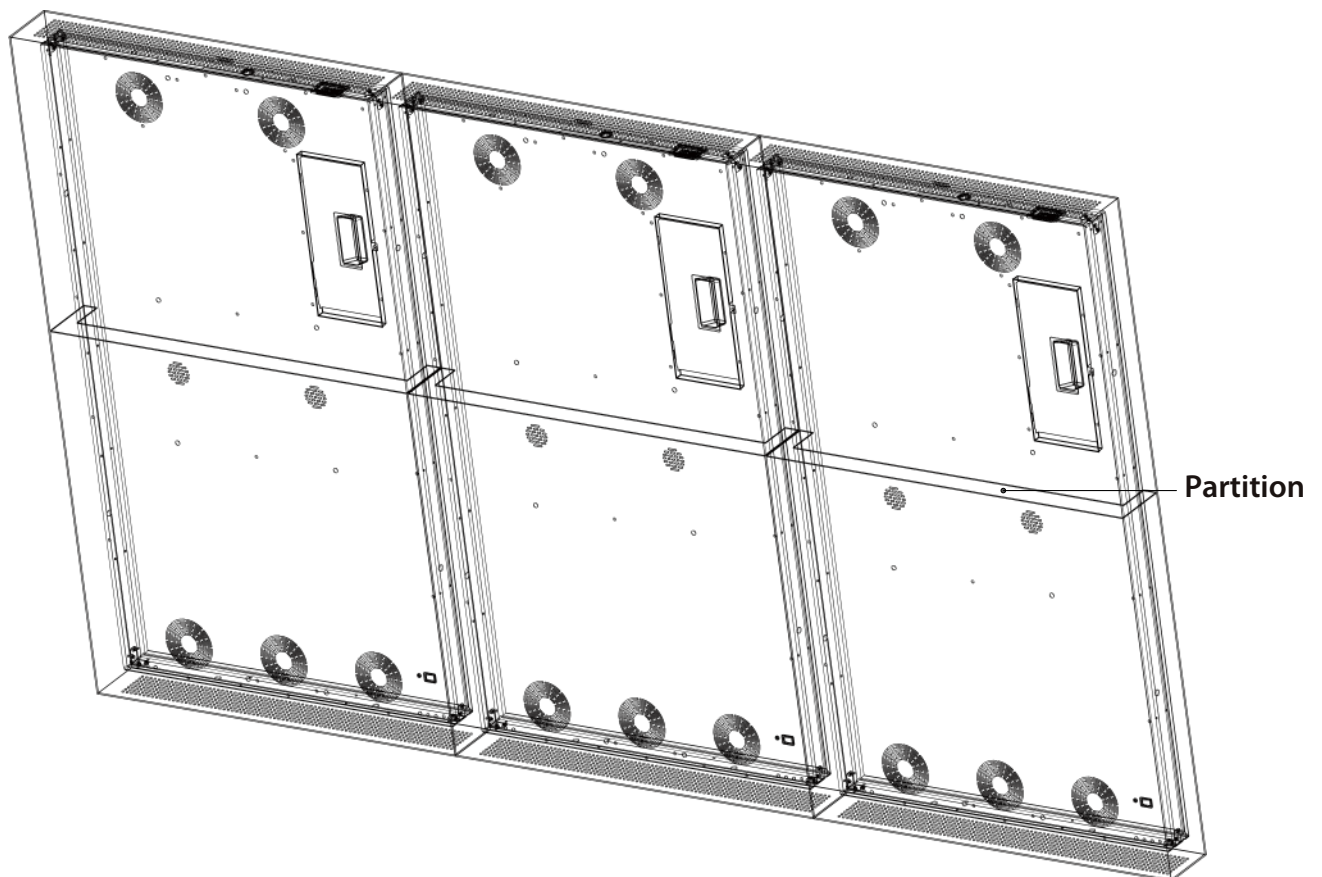


Installation Requirements

1 x N one-side enclosure unit

- When installing more than one product together, make sure to separate the inlet and outlet to prevent the air around one from entering another.

Case 2

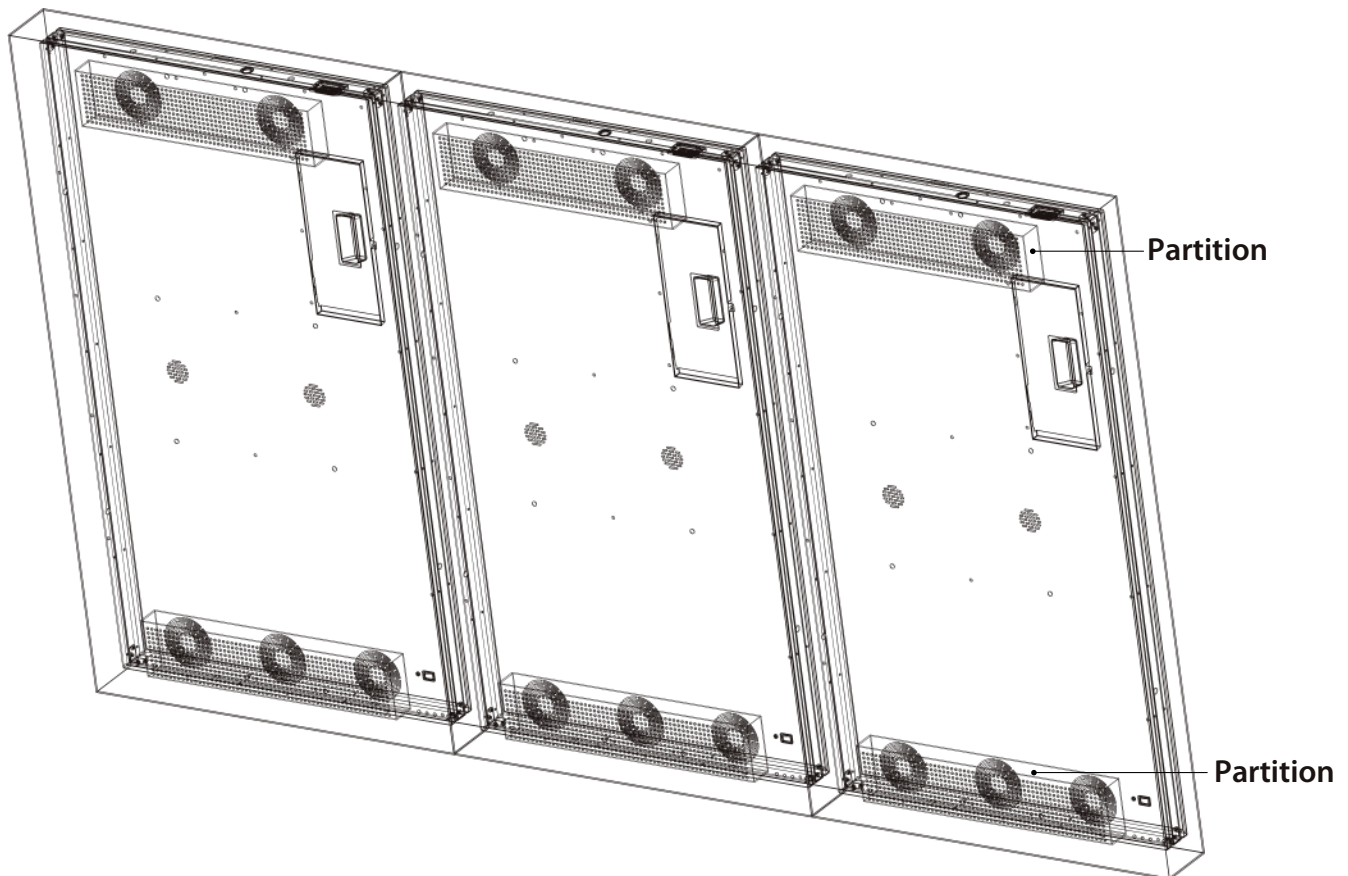


Installation Requirements

1 x N one-side enclosure unit

- When installing more than one product together, make sure to separate the inlet and outlet to prevent the air around one from entering another.

Case 3

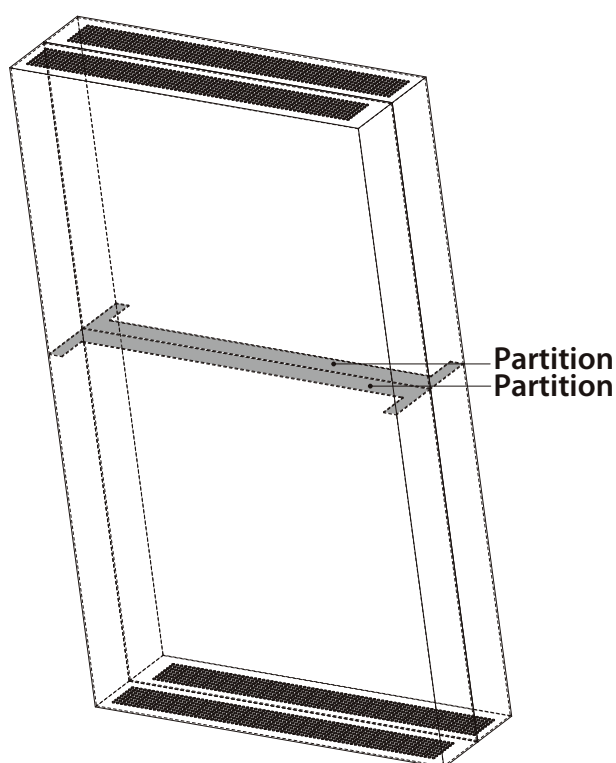


Installation Requirements

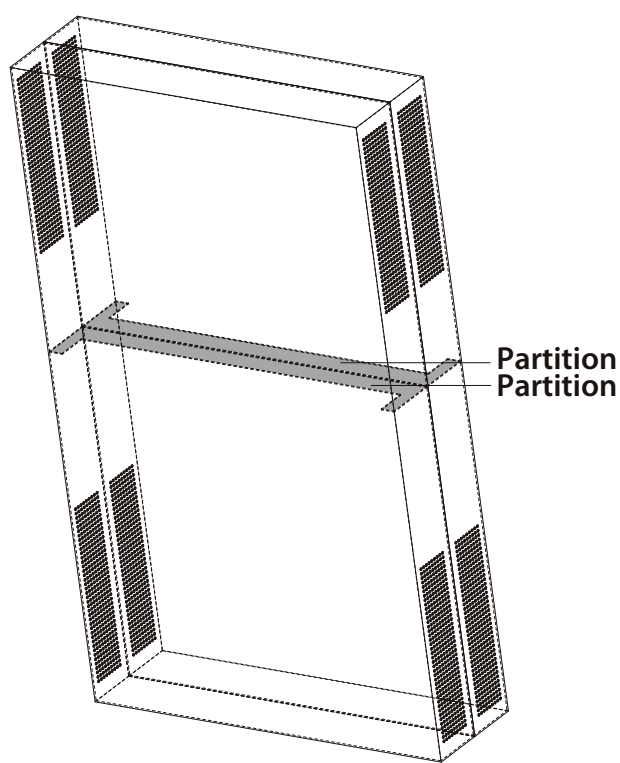
Double-sided enclosure unit

- When installing products in a back-to-back configuration, make sure to separate the inlet and the outlet to prevent the air around one from entering another.
- When installing products in a back-to-back configuration, make sure the ventilation openings are on the bottom, top or sides.
- The thickness of material that is installed between two products is not included in the distance. (Distance between products: 80 mm).

Case 1



Case 2



Installation Requirements

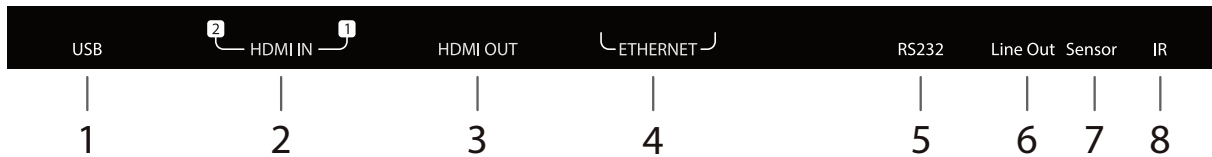
CAUTION

- When designing inlet and outlet, the following opening area shall be satisfied.
- Failure to do so may result in product problems, which are not warranted.
- If a separate case is installed on the vessel, design it with the recommended opening area and aperture. Failure to meet the recommended aperture plane and aperture ratio may cause the product to malfunction. In such cases, the warranty does not apply.

NOTE

- The partition should be in close contact with the case as well as with the enclosure when installed.
- It is recommended that the inlet and outlet be located at the same position as the enclosure.
- If possible, install ventilation openings around the inlet and outlet of the enclosure.
- If you install both sides or multiple units together, you must increase the opening area by the number of installed units.

Terminal Connections



1. USB INPUT TERMINAL

2. HDMI IN TERMINAL

3. HDMI OUT CONNECTOR

4. INTERNET CONNECTOR

5. RS232 CONNECTOR

6. LINE OUT CONNECTOR

7. SENSOR CONNECTOR

8. IR IN TERMINAL

*HDMI Output:

1. Signal output from HDMI1.

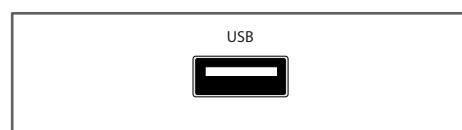
2. Android system signal does not support output.

1. USB

USB 2.0 port is intended only for data transfer only, the other devices cannot be used with this USB connection. The use of USB extension cords is not recommended.

Optional Configuration as below

Connect the USB to the USB jack on the set



NOTE:

- It is only 500 mA MAX of DC current output when you connect with USB jack
- To ensure the Mobile HD works well, you should use other power supply for the Mobile HD. And do not use the USB jack in the same time.
- It supports Mobile HD by connecting with USB jack (must more than 2 GB). The partitions of the Mobile HD can't be more than 4 partitions. The max partition is 1TB. It supports FAT/FAT32 document.

2. HDMI IN

HDMI input port for connection to media player via HDMI cable.

Terminal Connections

3. HDMI OUT

HDMI output port export HDMI signals to other devices for playback.

*HDMI Output:

1. Signal output from HDMI1.
2. Android system signal does not support output.

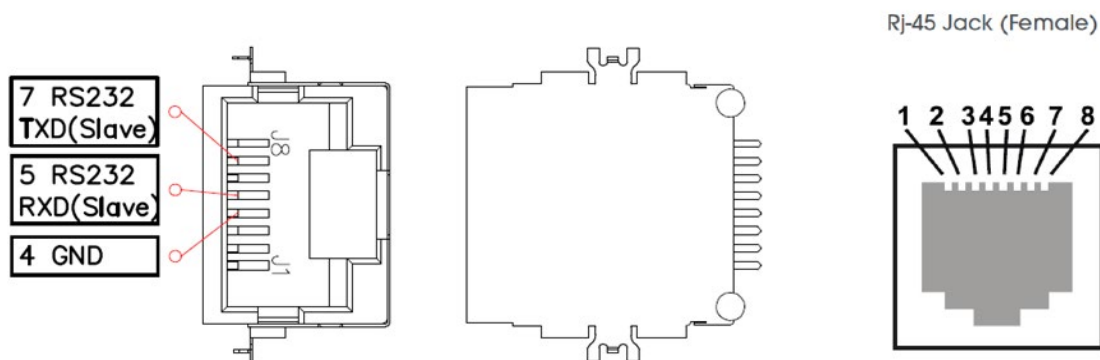
4. ETHERNET

Connect to Ethernet using the RJ45 connector

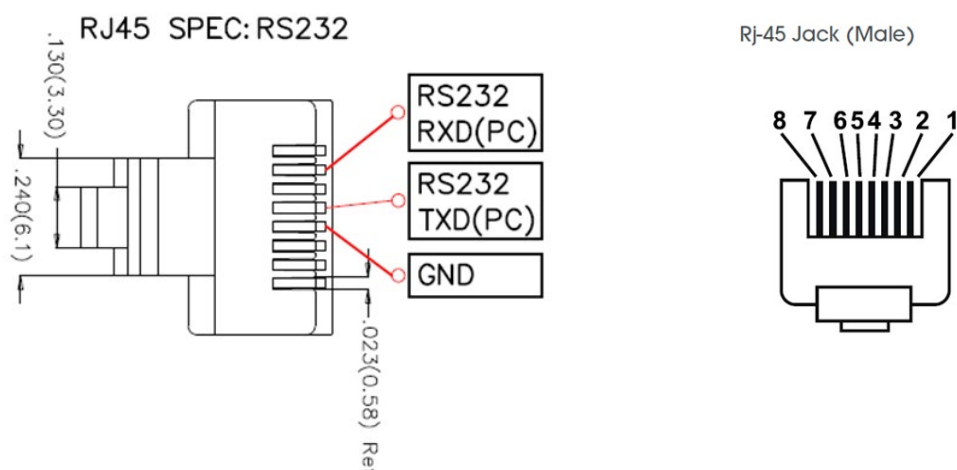
5. RS232

External devices, such as computers, Android boxes, etc., send relevant commands through the RS232 port to control the brightness, turn on/off the screen, rotate the screen display and adjust the screen etc.

The port physical form is the RJ45 interface, and the line order of this interface is defined as follows:



The line order of the RJ45 connector is defined as follows:



Terminal Connections

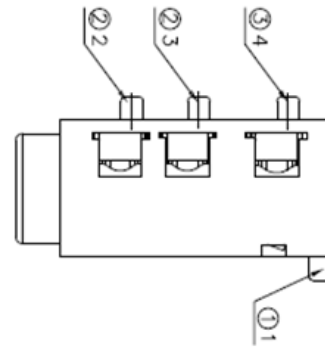
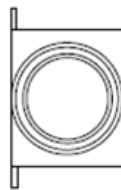
6. LINE OUT

Used to audio signal output.

The port physical form is 3.5mm jack, the circuit is defined as follows:

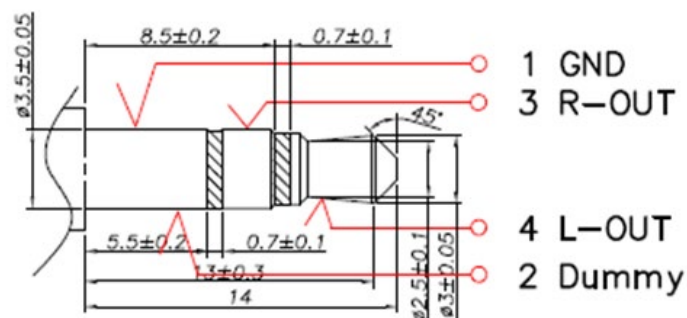
- 1 GND
- 3 R-OUT

- 4 L-OUT
- 2 Dummy



The corresponding 3.5mm plug type TRS, the circuit is defined as follows:

TRS PLUG SPEC: Line OUT



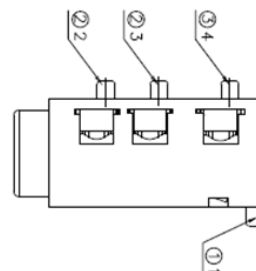
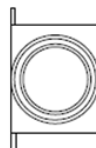
7. SENSOR

Used to connect an ambient light sensor.

The port physical form is 3.5mm jack, the circuit is defined as follows:

- 1 GND
- 3 I2C SDA

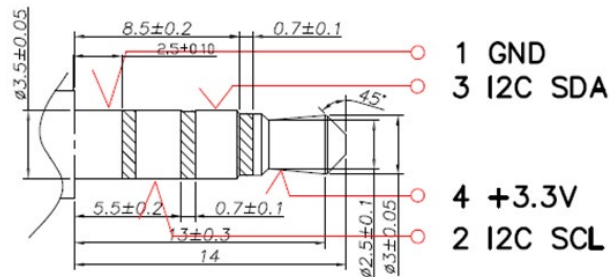
- 4 +3.3V
- 2 I2C SCL



Terminal Connections

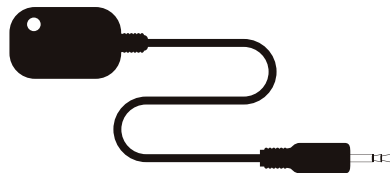
The corresponding 3.5mm plug type TRRS, the circuit is defined as follows:

TRRS PLUG SPEC: Sensor(Light)



8. IR

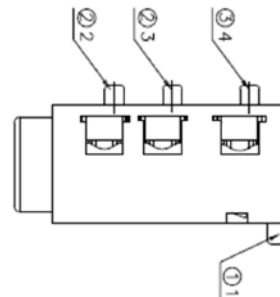
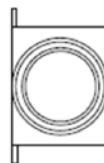
Infrared port used to connect an infrared receiver, which receives a signal from the remote control.



IR RECEVIER

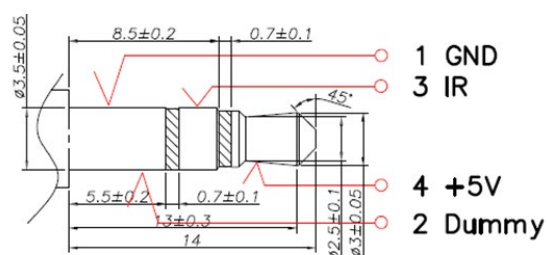
The port physical form is 3.5mm jack, the circuit is defined as follows:

- 1 GND
- 3 IR
- 4 +5V
- 2 Dummy



The corresponding 3.5mm plug type TRS, the circuit is defined as follows:

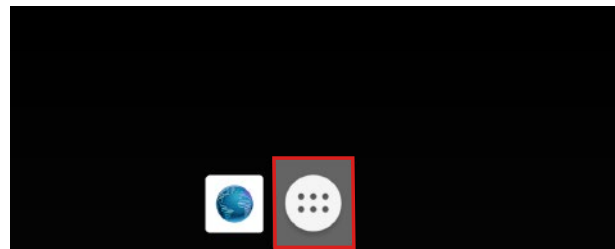
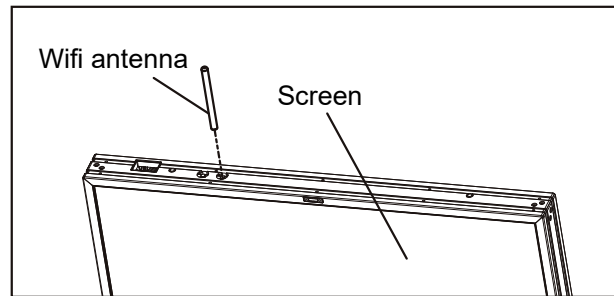
TRS PLUG SPEC:IR



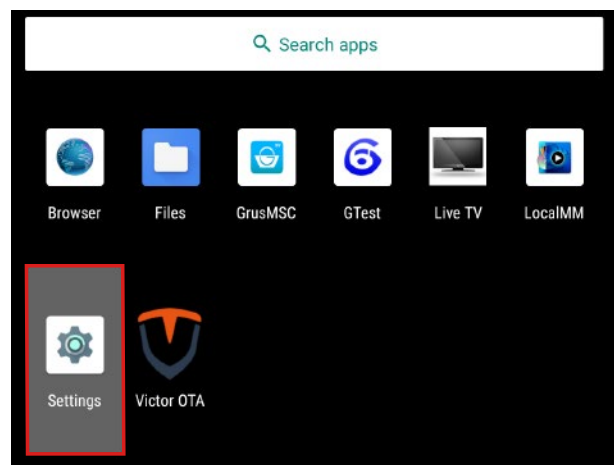
Network Connecting

WiFi network:

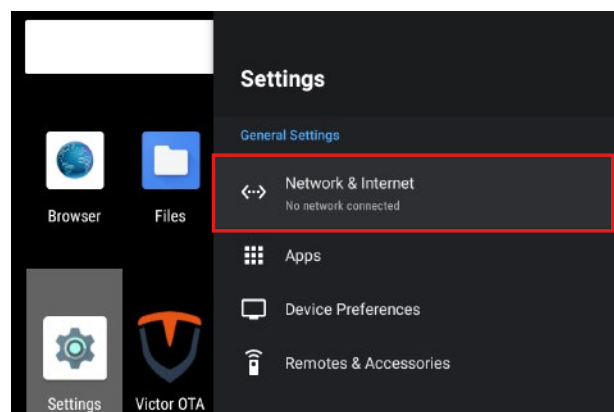
Install the wifi antenna, and click < application > icon to enter all application page.



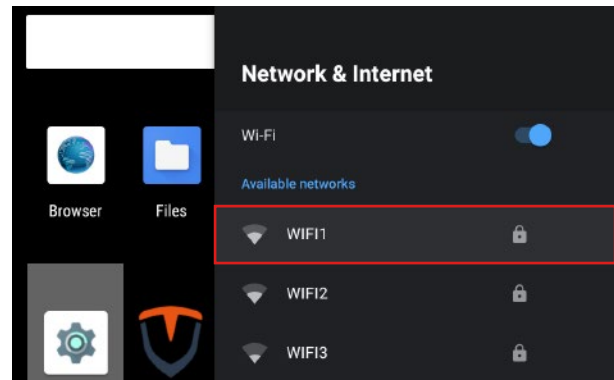
Click < setting > icon to enter the setting page



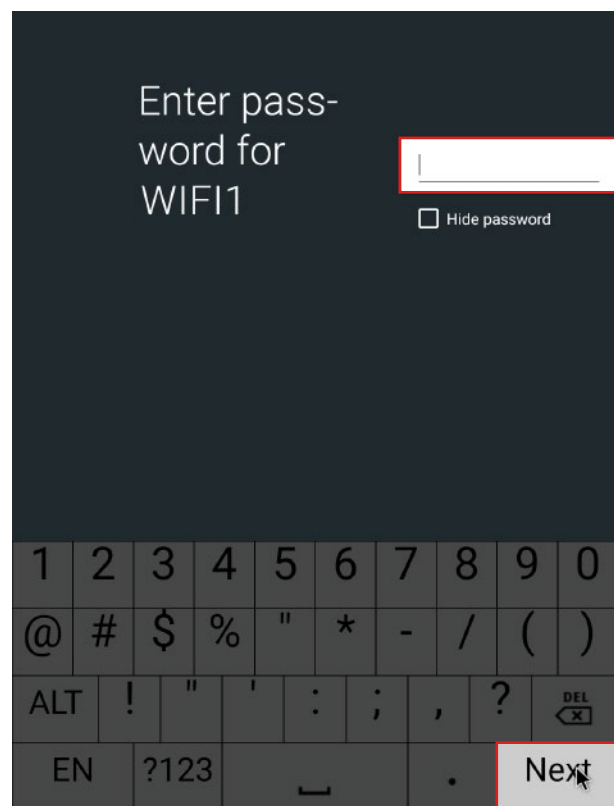
Click < Network & Internet > icon to enter the Network & Internet page



Network Connecting



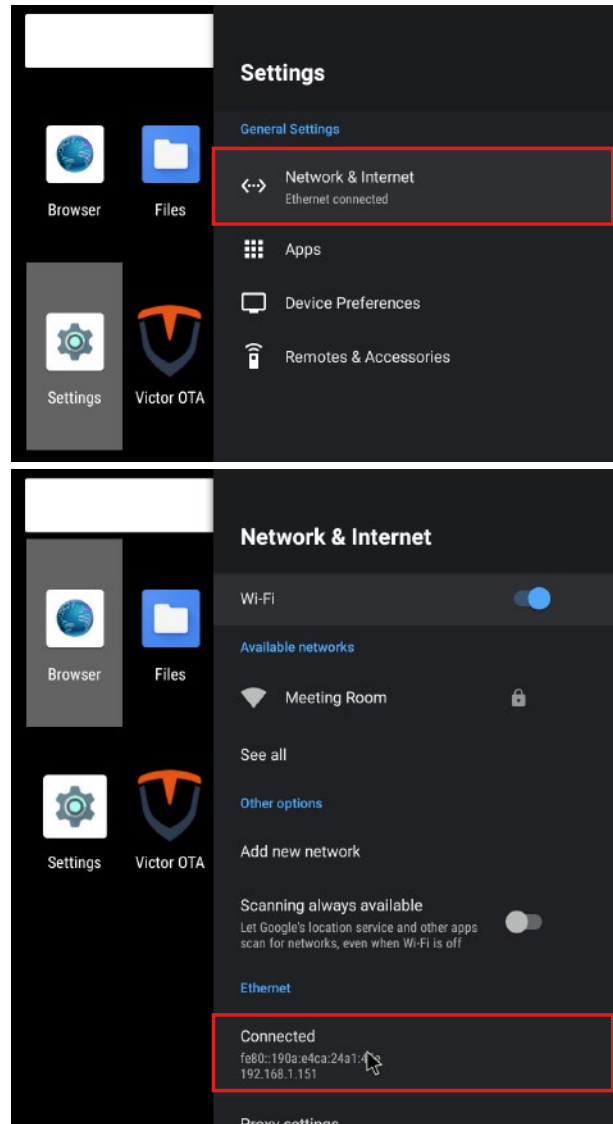
Select your WiFi and enter the password.
Click < Next > to connect



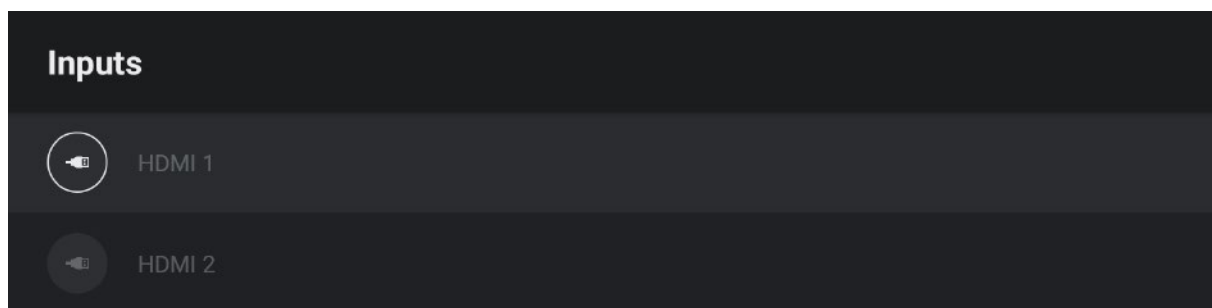
Network Connecting

Wired network:

Click < Network & Internet > to check the Ethernet whether it is connected.



HDMI Signal Source



Once HDMI signal source has signal input, will automatically identify conversion:

Priority: HDMI1; HDMI2 ; Android system

Specifications

HDMI/DVI-PC MODE INPUT SPEC				
HDMI INPUT SPEC				
INPUT FORMAT	Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)	Standard
	800 x 600	37.9	60	VESA Guidelines
	800 x 600	48.077	72.19	VESA
	800 x 600	46.9	75	VESA
	832 x 624	49.7	75	Mac
	1024 x 768	48.4	60	VESA Guidelines
	1024 x 768	60	75	VESA
	1125 x 870	68.68	75	MAC
	1280 x 800	47.8	59.8	-----
	1280 x 960	60.0	60	VESA
	1280 x 1024	63.595	60	VESA
	1440 x 900	55.9	59.9	VESA
	1680 x 1050	65.3	60	-----
	1920 x 1080	67.5	60	VESA
	3840 x 2160	67.5	30	

HDMIINPUT			
Mode	Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
480i	720x480i	15.73	59.94/60
576i	720x576i	15.63	50
480p	720x480p	31.47	59.94/60
576p	720x480p	31.26	50
720p	1280x720p	37.50 44.96	50 59.94/60
1080i	1920x1080i	28.13 33.75	50 59.94/60
1080p	1920x1080p	56.25 67.5	50 59.94/60
2160p	3840x2160	56.25	25
2160p	3840x2160	67.5	30

MULTIMEDIA PLAYBACK DECODING	
Audio decoding	MPEG-1,MPEG-2(layer I/II),MP3,AAC-LC,HE-AAC,
Video decoding	MPEG-2,MPEG-4,H.264,HEVC/H.265,VP8,VP9,AVS+,AVS2,AV1
Picture decoding	JPG、BMP、PNG、GIF

Package Contents



Screen



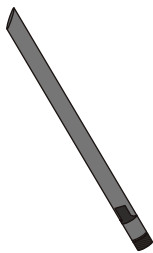
Fillier pad(M6) x 2



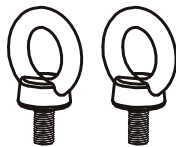
Spring pad(M6) x 2



Power Cord



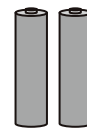
Wifi antenna



Lifting ring(M6) x 2



IR receiver



Remote control x 1
AAA batteries x 2

Hisense