



LED All-in-One Display

Quick Start Guide

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Applicable Models

This manual is applicable to the LED All-in-One display (Non-Touch).

Symbol Conventions

The symbols that may be found in this document are defined as follows.

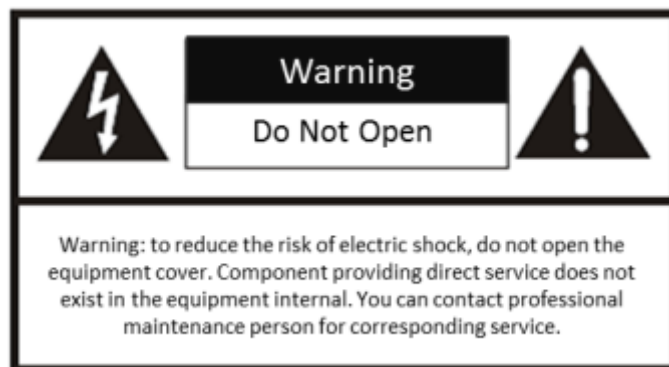
Symbol	Description
 Note	Provides additional information to emphasize or supplement important points of the main text.
 Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

Safety Instructions

Danger

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- **CAUTION:** If the fuse of the device can be replaced, replace it only with the same model to reduce the risk of fire or electric shock.
- Do not touch the bare components (such as the metal contacts of the inlets) and wait for at least 5 minutes, since electricity may still exist after the device is powered off.
- For the permanently connected device without a disconnect equipment, a readily accessible disconnect equipment shall be incorporated into the electrical installation of the connected building.
- For the permanently connected device without an overcurrent protection equipment, an overcurrent protection equipment shall be incorporated into the electrical installation of the connected building. The specifications of the overcurrent protection equipment shall not exceed that of the building.
- For the permanently connected device without an all-pole mains switch, an all-pole mains switch shall be incorporated into the electrical installation of the connected building.
- For the device with the sign  indicating hazardous live, the external wiring connected to the terminals requires installation by an instructed person.
- Never place the device in an unstable location. The device may fall, causing serious personal injury or death.

- If the device supports wall mounting or ceiling mounting, the mounting surface shall be able to withstand the additional force of three times the weight of the device but not less than 50 N. The device and its associated mounting means shall remain secure during the installation. After the installation, the device, including any associated mounting plate, shall not be damaged. Refer to technical specifications for details.
- ALWAYS use cabinets or stands or mounting methods recommended by the manufacturer of the device.
- ALWAYS use furniture that can safely support the device.
- ALWAYS ensure the device is not overhanging the edge of the supporting furniture.
- ALWAYS route cords and cables connected to your television so they cannot be tripped over, pulled or grabbed.
- NEVER place a device in an unstable location.
- NEVER place the device on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the device to a suitable support.
- NEVER place the device on cloth or other materials that may be located between the device and supporting furniture.
- NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the device or furniture on which the device is placed.



Caution

- If the ingress protection level is lower than IPx4, the device shall not be exposed to water dripping or splashing, and no objects filled with liquids, such as vases, shall be placed on the device. Refer to datasheet for details.
- Provide a surge suppressor at the inlet opening of the device under special conditions such as the mountain top, iron tower, and forest.
- If the device is powered by terminals connected to the power cord, ensure correct voltage and wiring of the terminals for connection to mains supply.
- No naked flame sources, such as lighted candles, should be placed on the device.
- For the device with ventilation openings, the ventilation openings should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, and curtains. The openings shall never be blocked by placing the device on a bed, sofa, rug, or other similar surface.

- This device is suitable for mounting on concrete or other non-combustible surface only to avoid fire hazard.

- For the device with sticker  or , pay attention to the following cautions:
- CAUTION: Hot parts! Do not touch. Burned fingers when handling the parts. Wait one-half hour after switching off before handling the parts.
- The power supply unit for the equipment must be placed in a restricted area to prevent unauthorized access.
- If the device installation is needed,
 1. Install the device according to the instructions in Quick Start Guide.
 2. To prevent injury, this device must be securely attached to the installation surface in accordance with the installation instructions. Refer to Quick Start Guide for details.
- Keep vertical when moving or using the device.
- CAUTION: If the bracket is designed for a specific device model of our company, use the bracket with the corresponding device only. Use with other devices may result in instability and cause injury.
- CAUTION: If the device needs to be installed with a specific bracket of our company, use the corresponding bracket only. Use others (such as carts, stands, and carriers) may result in instability and cause injury. Refer to the device datasheet for bracket model details.
- The interface varies with the models. Please refer to the product datasheet for details.
- If the device is not released with a power adapter, and you need to wire the bare cables of the device:
 - The device external wiring connected to the hazardous live terminals requires installation by an instructed person.
 - Make sure that the power has been disconnected before you wire, install, or disassemble the device.
 - The power supply or device must be connected to an earthed mains socket-outlet.
 - High voltage for the power supply. Do not disassemble it.
 - If smoke, odor, or noise arises from the power supply or device, immediately turn off the power, unplug the power cable, and contact the service center.
 - If the device needs to be wired by yourself, select the corresponding wire to supply power according to the electric parameters labeled on the device. Strip off wire with a standard wire stripper at corresponding position. To avoid serious consequences, the length of stripped wire shall be appropriate, and conductors shall not be exposed.
- A circuit breaker shall be provided for the device externally. For a single device, an AC 220 V/230 V/240 V, 6 A circuit breaker is recommended. When multiple devices are stacked, select a circuit breaker of appropriate rating based on the total rated current, but this shall not exceed the rating of the circuit breaker provided for the building.

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Chapter 1 Introduction

1.1 Overview

Hikvision fine-pitch LED All-in-One display (hereinafter referred as the device) integrates multiple functionalities including projector, electronic whiteboard, audio system, high-definition television, and digital signage into a unified solution. This comprehensive system features writing/annotation capabilities, multi-screen interaction, and optional remote video conferencing functionality. It combines cutting-edge technologies such as ultra-HD visual presentation, human-machine interaction, multimedia information processing, and network transmission.

1.2 Structure

The device is primarily composed of two structural components: the bracket and cabinet, as shown in the following figure. (Take mobile installation as an example).

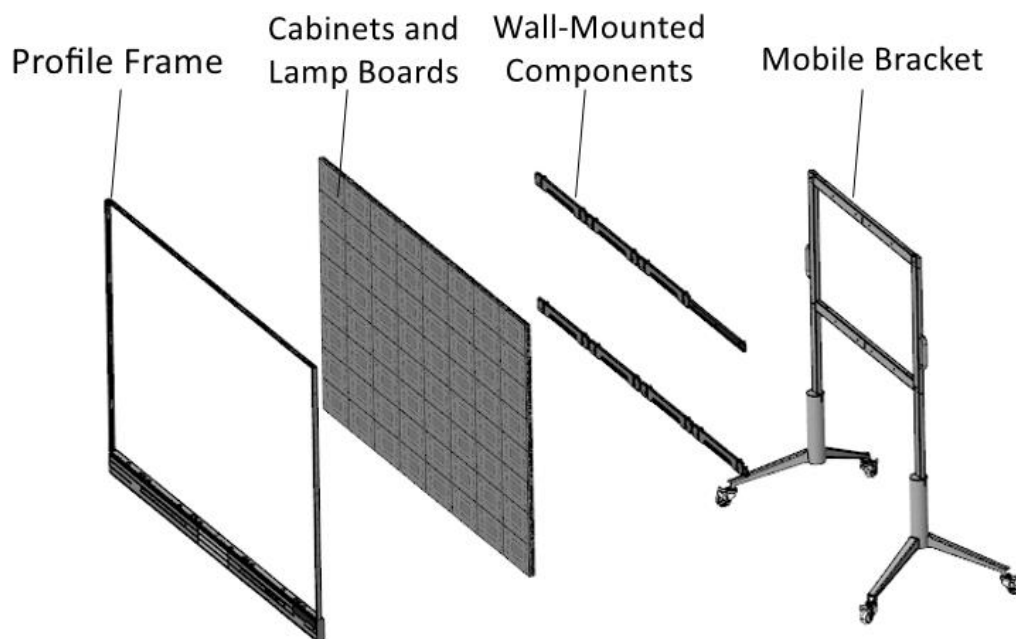


Figure 1-1 Structure of All-in-One LED Display

Bracket

The device can be installed with two kinds of brackets: a mobile bracket and a wall-mounted bracket.

Cabinet

A cabinet is a basic unit for LED engineering installation in which LED modules are neatly mounted on a metal sheet (cast aluminum) box, with a built-in independent receiving card and switching power supply, an engineering installation structure, and independent display.

Apperance

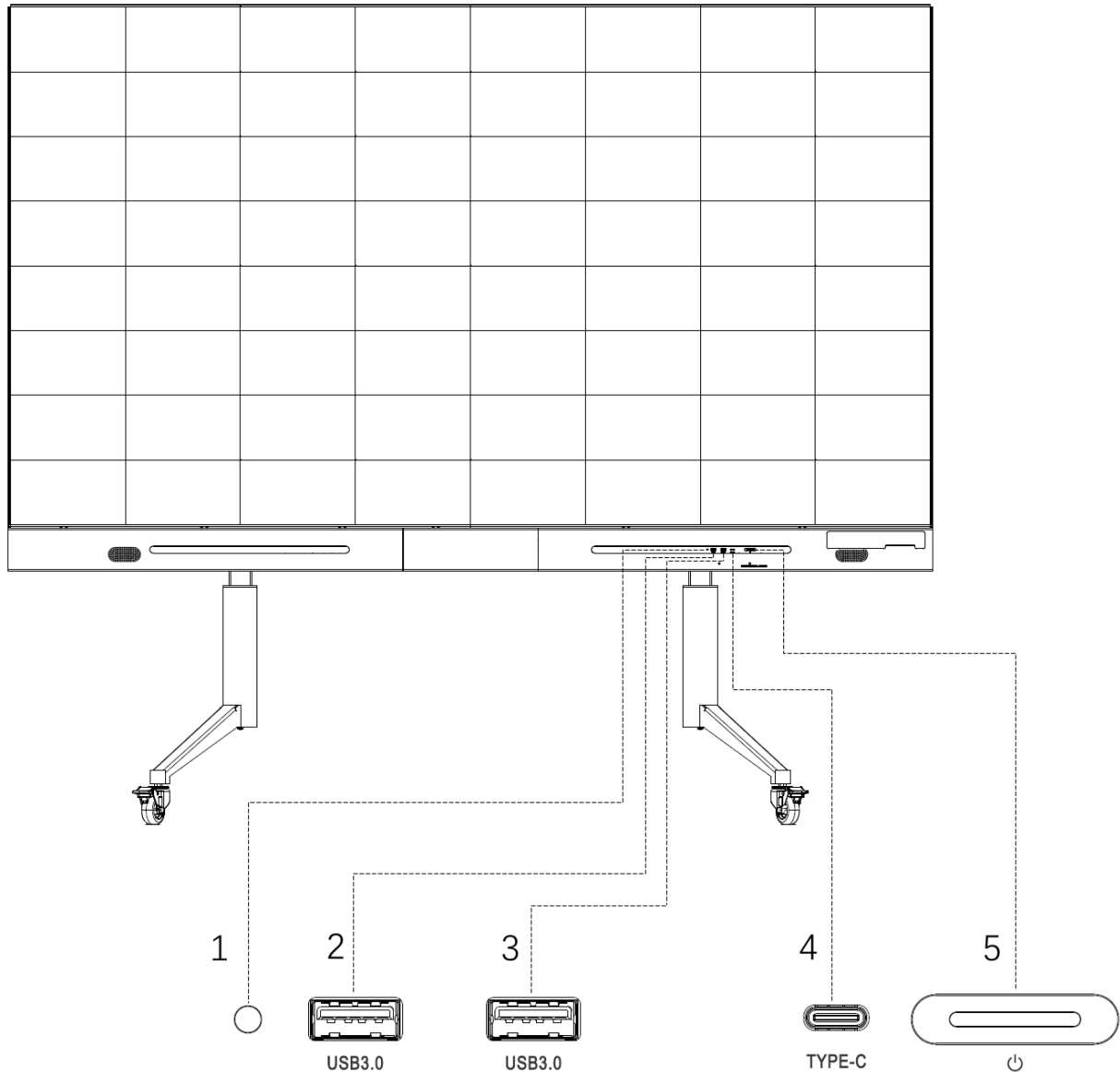


Figure 1-2 Front Panel

Note

The power indicator, interface, and button position may vary slightly among devices of the same series. Refer to the actual product for details.

Table 1-1 Front Panel

No.	Name	Description
1	Power Indicator	● Solid blue: The device is running normally. ● Blue flash: The device screen is off. ● Solid red: The device is in sleep mode (signal wake-up and serial port wake-up are enabled). ● Light off: The device is in deep sleep mode (signal wakeup and serial port wakeup are disabled) or powered off.
2	USB3.0 port	Connect devices such as keyboard, mouse, and FAT32-formatted USB flash drive. After connecting the USB flash drive, you can transfer files or upgrade the device.
3	USB3.0 port	Connect devices such as keyboard, mouse, and FAT32-formatted USB flash drive. After connecting the USB flash drive, you can transfer files or upgrade the device.
4	Type-C Interface	Connect to a wireless dongle, DP cable, or charge the computer.
5	Power Switch	● When the device is powered off, short press to start it up. ● When the device is powered on: – Short press to enter sleep mode. – Press and hold for 5 seconds, the device screen will pop up a "Shutting Down" prompt. If no operation is performed within 5 seconds, and the device will be powered off. ● When the device is in sleep mode, short press to wake up the device.

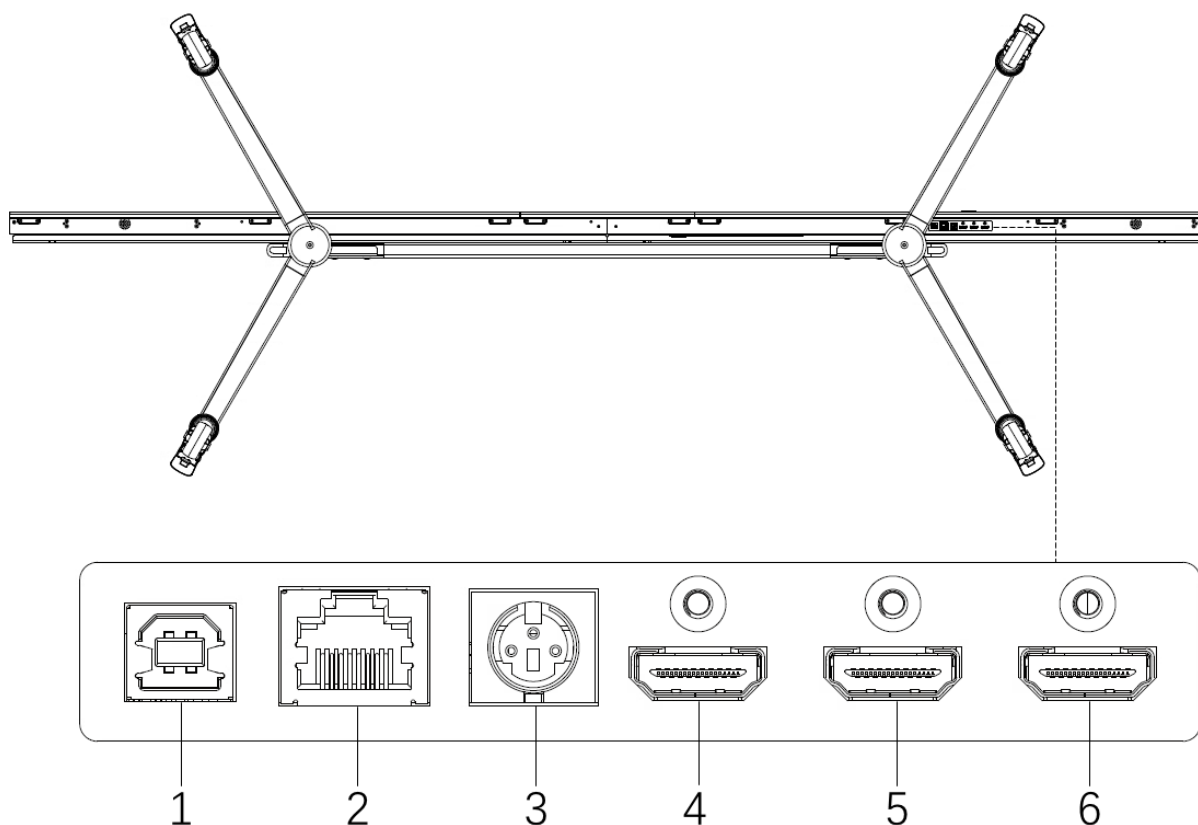


Figure 1-3 Interface at the Bottom of the Device

Table 1-2 Interface Description

No.	Name	Description
1	USB Type-B Interface	Supports reverse control of the display content on the device screen from computers, control panels, etc.
2	RS-232 Serial Port	Used to connect the control center and perform device cascading control.
3	3D Interface	Connect to active 3D signal transmitter to display 3D content in synchronized frames. It should be used with display mode that supports refresh rate of 120 Hz or above.
4	HDMI IN3 Interface (HDMI 2.0 input interface)	Supports 4K resolution (3840 × 2160) @ 60 Hz digital signal input for connecting 4K ultra HD player, gaming console, professional video conferencing terminal, etc.
5	HDMI IN2 Interface (HDMI 1.4 input interface)	Supports 2K resolution (1920 × 1080) digital signal input @ 60 Hz for connecting to devices such as computers, HD cameras, video matrices, etc.

No.	Name	Description
6	HDMI IN1 Port (HDMI 1.4 input interface)	Supports 2K resolution (1920 × 1080) digital signal input @ 60 Hz for connecting to devices such as computers, HD cameras, video matrices, etc.

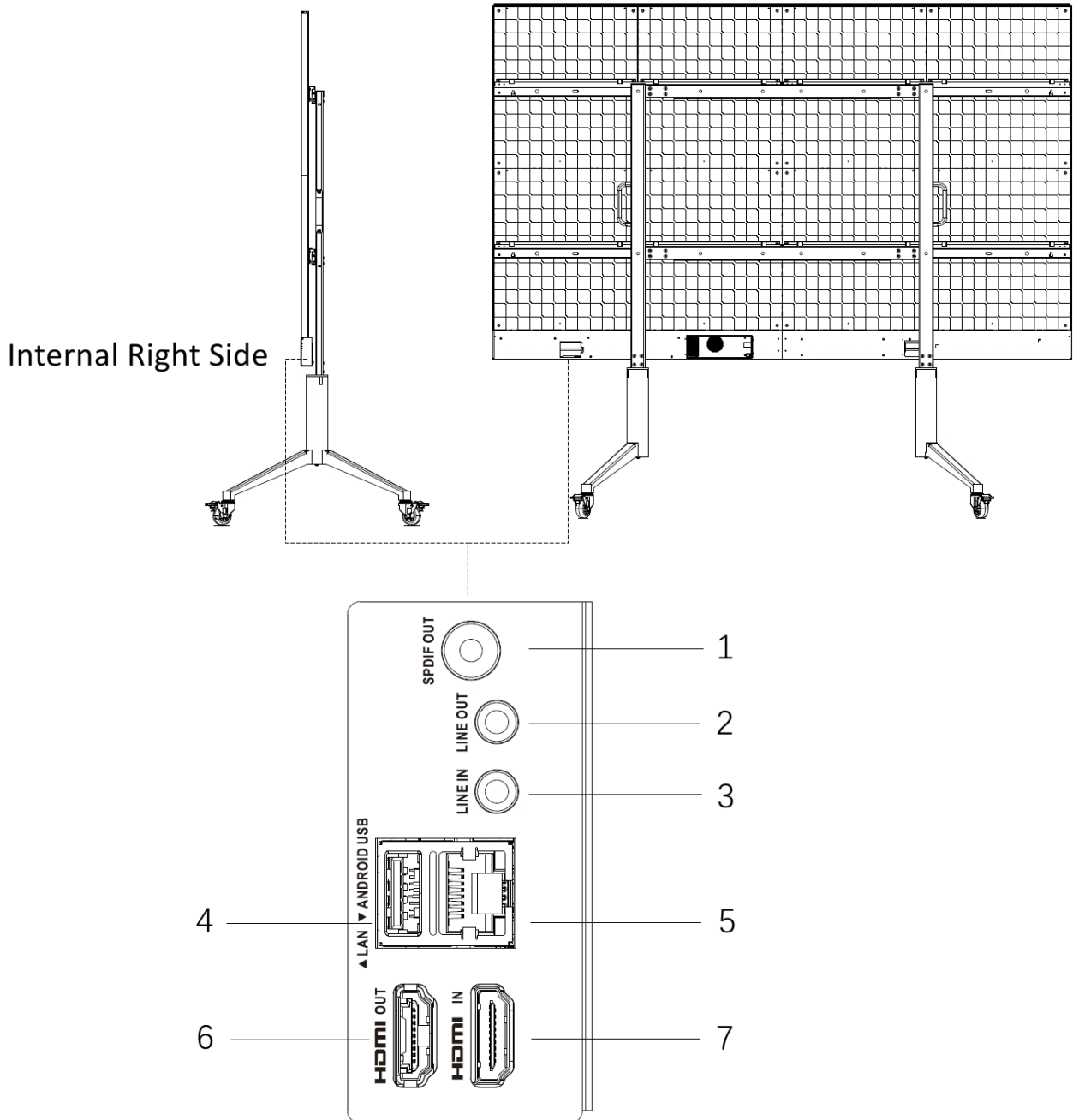


Figure 1-4 Right-Side Interface inside the Bottom Profiles

**Note**

The interface positions may vary slightly among devices of the same series. Refer to the actual product for details.

Table 1-3 Interface Description

No.	Name	Description
1	SPDIF Audio Output Interface	Connect the device to external audio devices such as speakers to transmit high-quality audio.
2	3.5 mm audio input interface	Input the audio signal from external audio devices to the device.
3	3.5 mm audio output interface	Output the audio signal from the device to external audio devices such as speaker and power amplifier.
4	Android system specific USB2.0 interface.	To connect USB keyboard, mouse, USB flash drive, USB camera, etc., to expand and use the functions of Android system.
5	Network Interface	Used to connect network cables.
6	HDMI Output	Used to output the audio and video signals received by or generated from the device to another display device, such as a monitor.
7	HDMI Input Interface	Used to receive audio and video signals from external signal sources. Supports connecting to devices such as computers and video conferencing servers.

1.3 Packing List

Open the device package to check all the items are intact according to the packing list.

Table 1-4 Packing List

Item	Description
LED Module	108-inch device: 4 boxes, 65 pcs of modules in total. 135-inch device: 6 boxes, 101 pcs of modules in total. 162-inch device: 8 boxes, 145 pcs of modules in total.
Cabinet	108-inch device: 2 boxes. 4 columns of cabinets per box. 135-inch device: 2 boxes. 1 box of 2-column cabinets, 1 box of 3-column cabinets. 162-inch device: 3 boxes. 12 columns of cabinets per box.

Item	Description
Accessory	1 box. The items and corresponding quantities are as follows: Power cord × 3 Network cable × 1 Bridge cable × 1 OPS cable × 2 USB adapter cable × 1 Screws several Bluetooth remote control × 1 Anti-static gloves × 4 Magnetic adjustment tool × 2 Hexagon wrench × 4 Regulatory compliance and safety information × 1

Chapter 2 Bracket Installation

There are two types of brackets for the device: the mobile bracket and the wall-mounted bracket.



This manual provides general installation guidelines applicable to multiple device sizes. Specific installation procedures vary with actual dimensions and different conditions.

2.1 Precautions

- Installation personnel must wear protective gear.
- Take safety measures when working at heights.
- Make sure that the bracket is mounted vertically to the flat ground without tilting or twisting.
- Check that all structural parts and fasteners are fully mounted without missing.
- After all the accessories are mounted, clean all the metal debris in the bracket.

2.2 Install the Mobile Bracket

The mobile bracket can be used for installing front-maintenance cabinets and rear-maintenance cabinets.



When the device is installed on a mobile bracket, the tilt angle must not exceed 10 degrees to prevent tipping due to a shift in the center of gravity.

Step 1 Install the bracket support. Use a hexagon wrench to loosen the round head screw at the bottom of the base to an appropriate position, insert the base support, and tighten the round head screw.

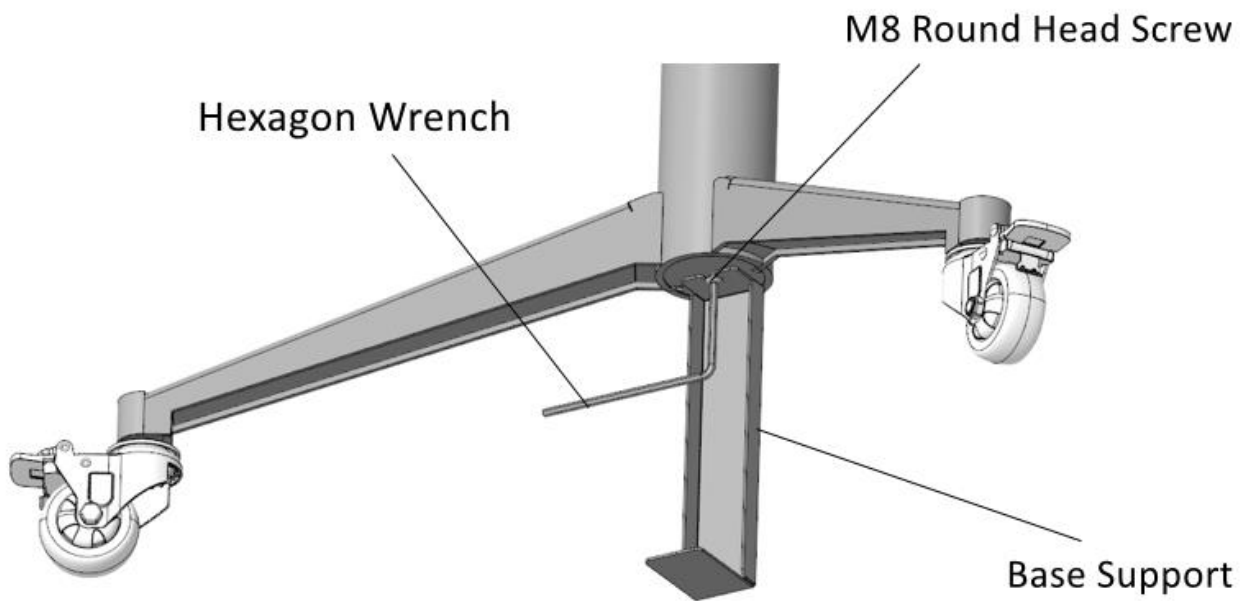


Figure 2-1 Install Bracket Support

Step 2 Install vertical poles. Insert one side of the vertical pole into the mounting plate on the base and use a hexagon wrench to tighten the round head screws. Install the other side in the same way.

 Note

Vertical poles installation is not required for 108-inch device.

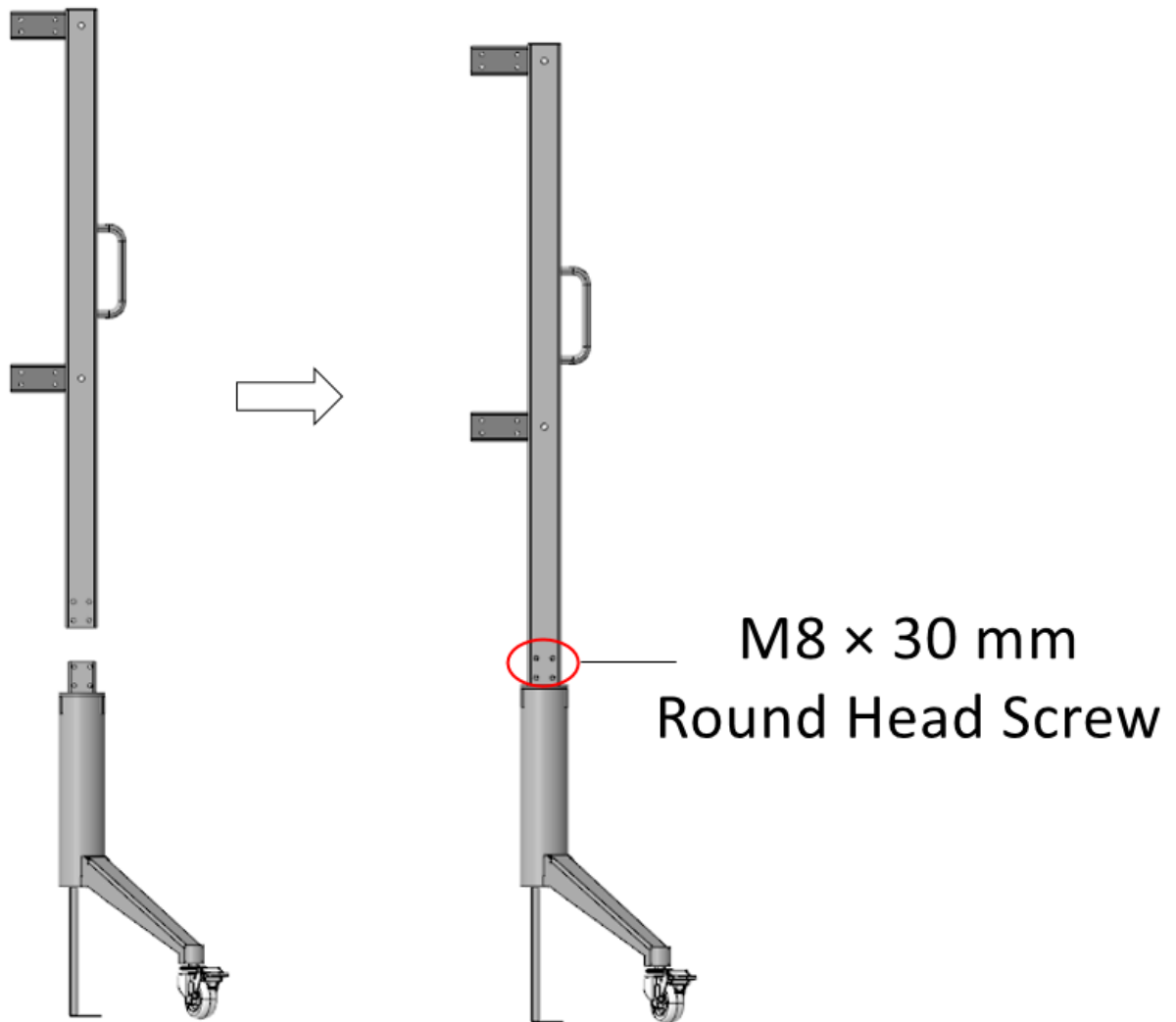


Figure 2-2 Install Vertical Poles

Step 3 Repeat the above step to fix the other side of the bracket, and make sure it stands up stably, as shown below.

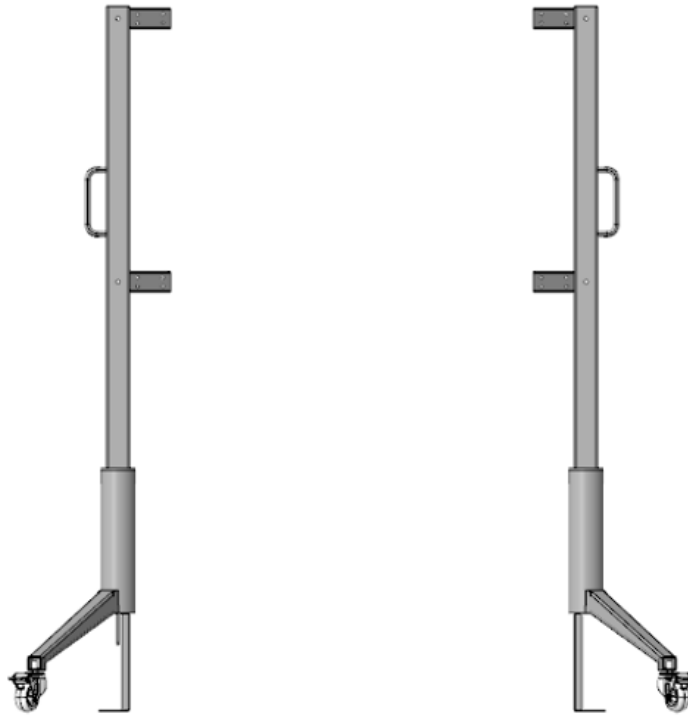


Figure 2-3 Bracket Supports Installed

Step 4 Install horizontal poles. Place horizontal poles onto the bracket frame, and secure them with 16 M8 × 20 mm round head screws.

Note

The screws for securing the mobile bracket are in the mobile bracket package.

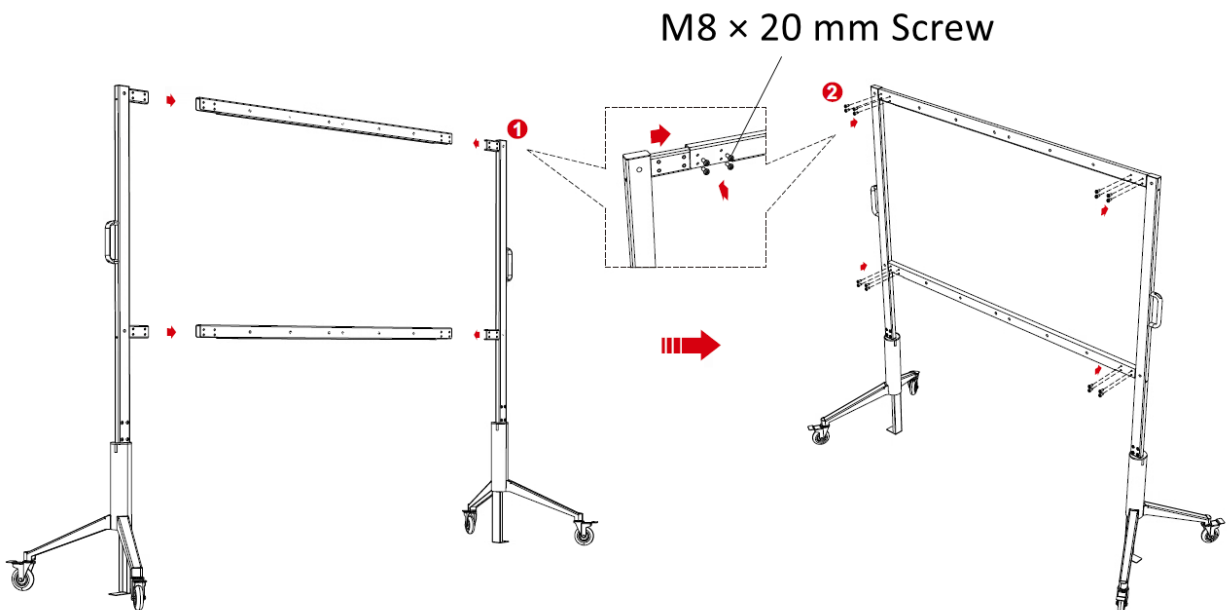


Figure 2-4 Install Horizontal Poles

Step 5 Use a hexagon wrench to loosen the round-head screws of the base and remove the base support.

Step 6 Install the wall-mounted brackets. Fix the wall-mounted brackets on the horizontal poles with M8 × 20 mm round head screws.

 Note

The screws for fixing the wall-mounted bracket are in the accessory box of the wall mount bracket package.

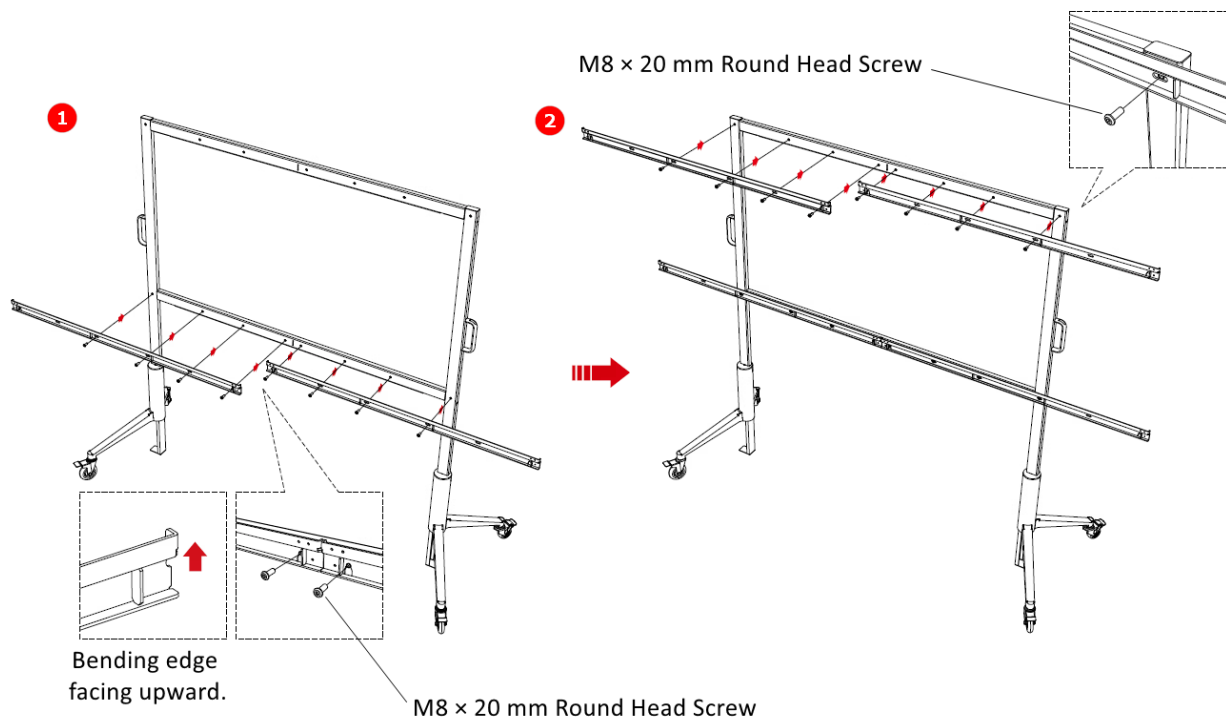


Figure 2-5 Install Wall-mounted Brackets

Step 7 Verify that the mobile bracket is properly installed and fastened.

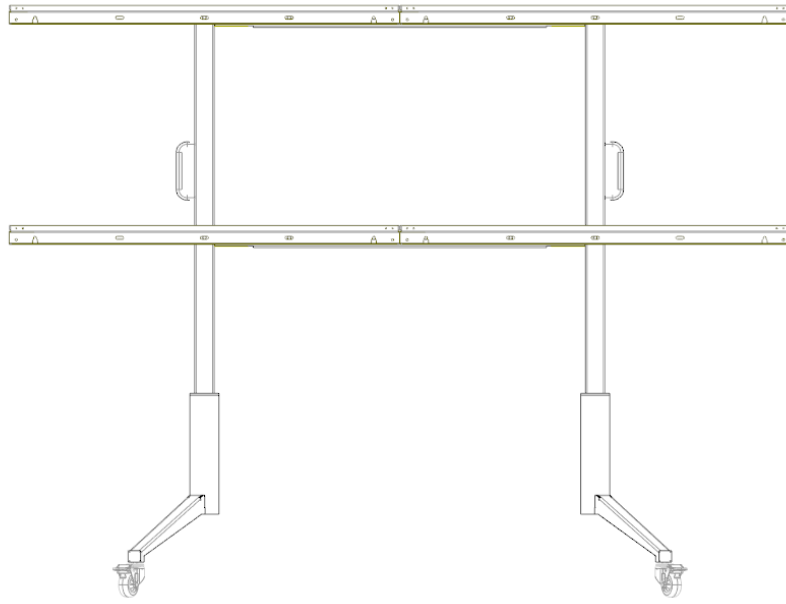


Figure 2-6 108-Inch Mobile Bracket

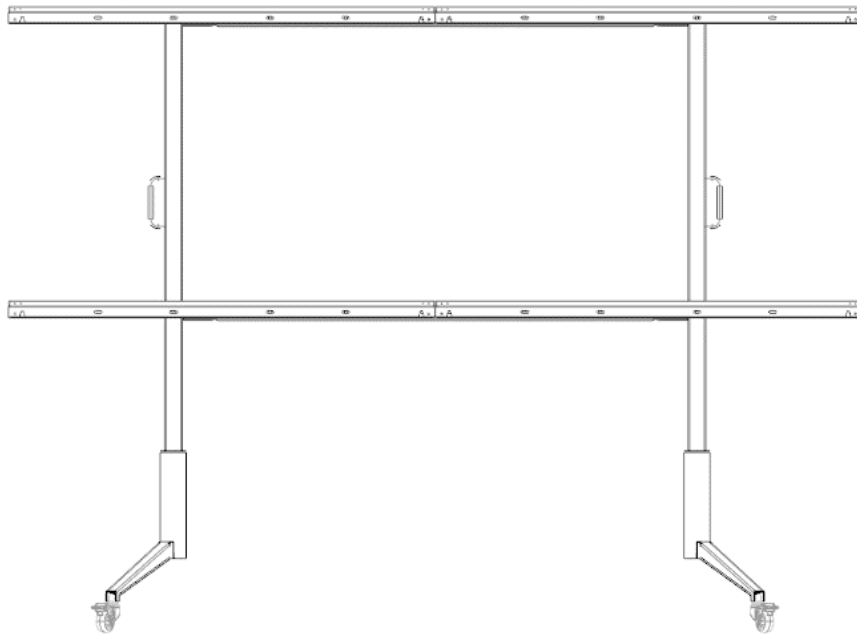


Figure 2-7 135-Inch Mobile Bracket

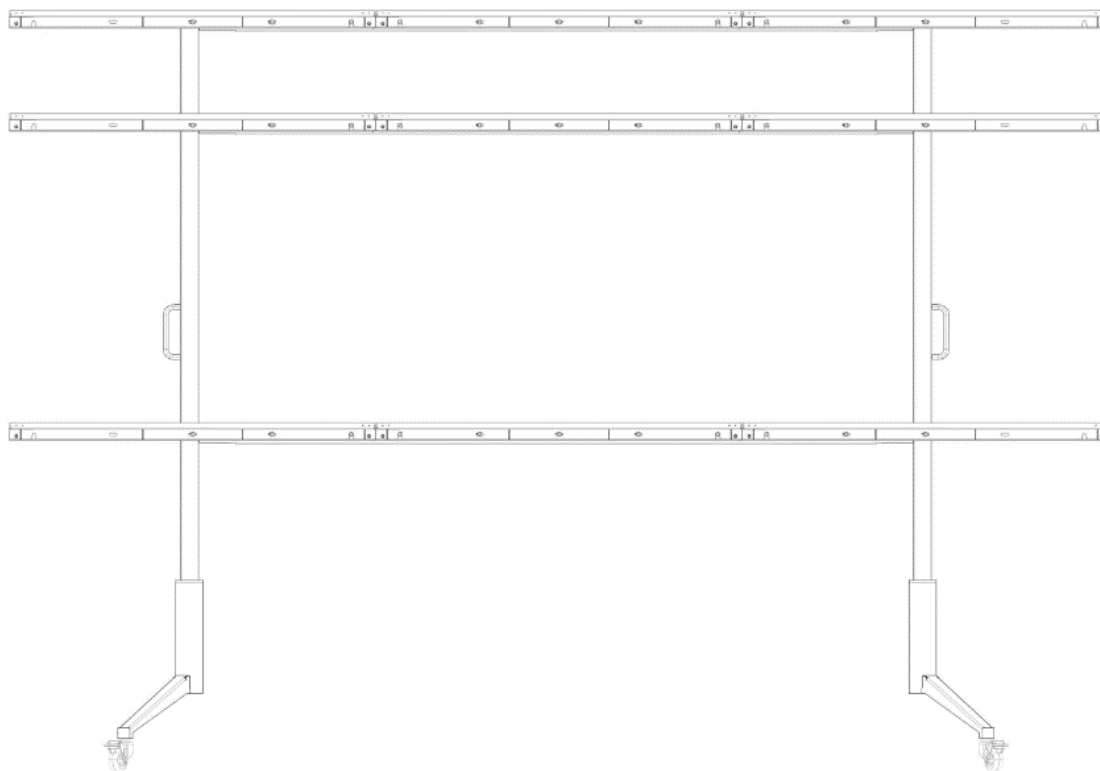


Figure 2-8 162-Inch Mobile Bracket

2.3 Install the Wall-Mounted Bracket

The wall-mounted bracket is used for installing front-maintenance cabinets only.

Caution

- For wall-mounted installation, select the appropriate installation method according to the sizes of device models to reserve installation space.
 - You should install the horizontal poles on a vertical load-bearing wall or steel frame.
-

Step 1 Select an appropriate wall and reserve enough installation space for the device. For in-ceiling mounting, it is recommended to reserve at least 5 cm above and on both sides of the device, and at least 8 cm below the device.

Step 2 Locate the installation holes for expansion screws. Pay attention to the space reserved on the top/bottom/left/right side of the installation holes. The positioning rod is used to check the spacing between horizontal poles. After fixing the poles, remove the positioning rod.

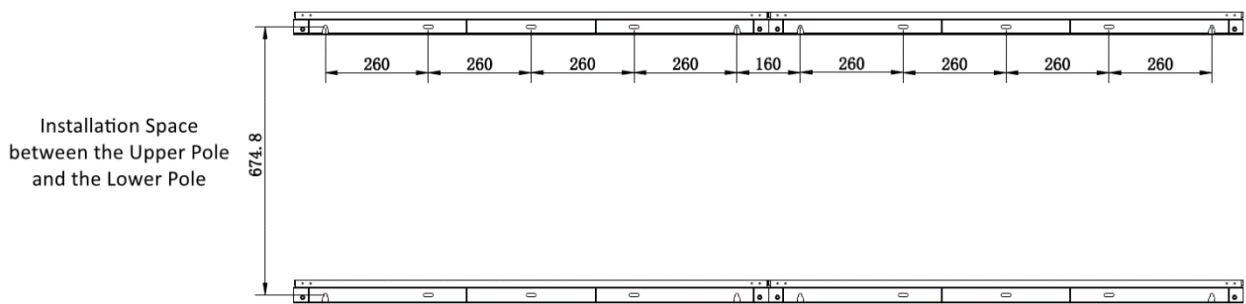


Figure 2-9 Wall-Mounted Bracket for 108-Inch Device

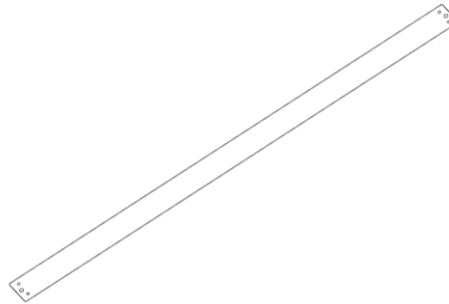


Figure 2-10 Positioning Rod

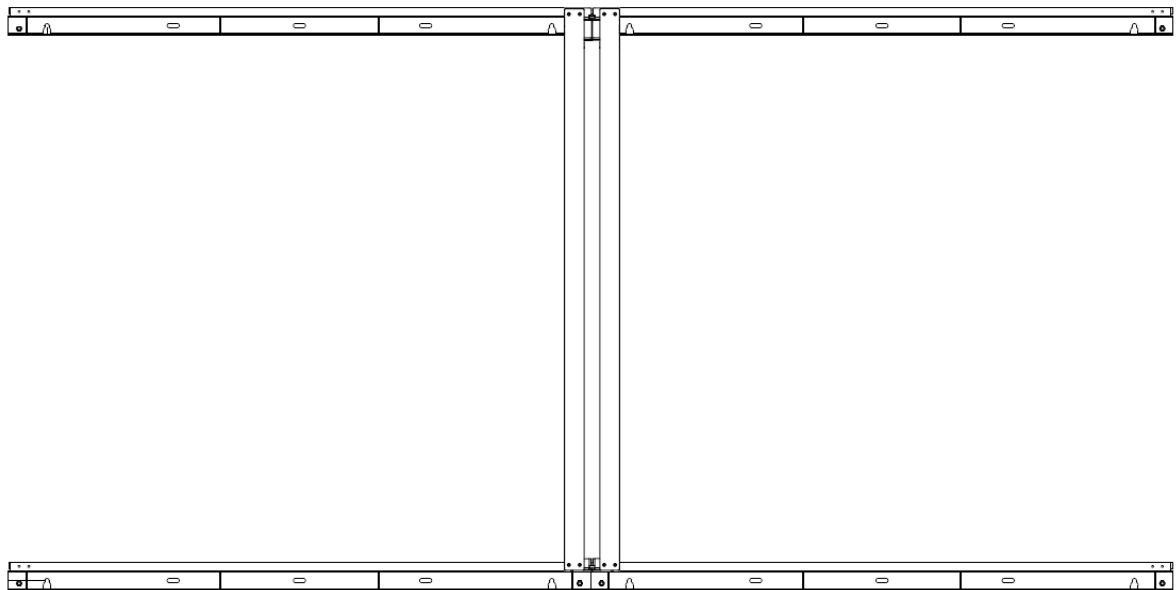


Figure 2-11 Install Positioning Rod for 108-Inch Device

 Caution

For wall surfaces with insufficient flatness during installation, use metal plate to adjust the evenness of the wall-mounted surface.

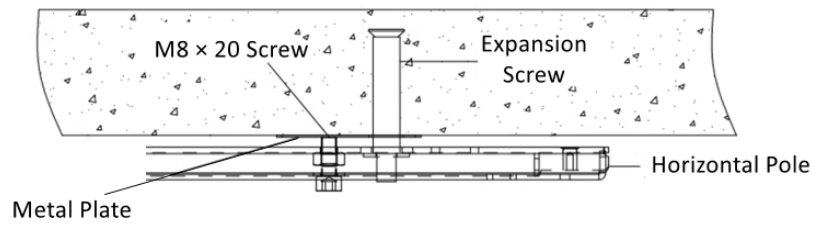


Figure 2-12 Install the Metal Plate (Top View)

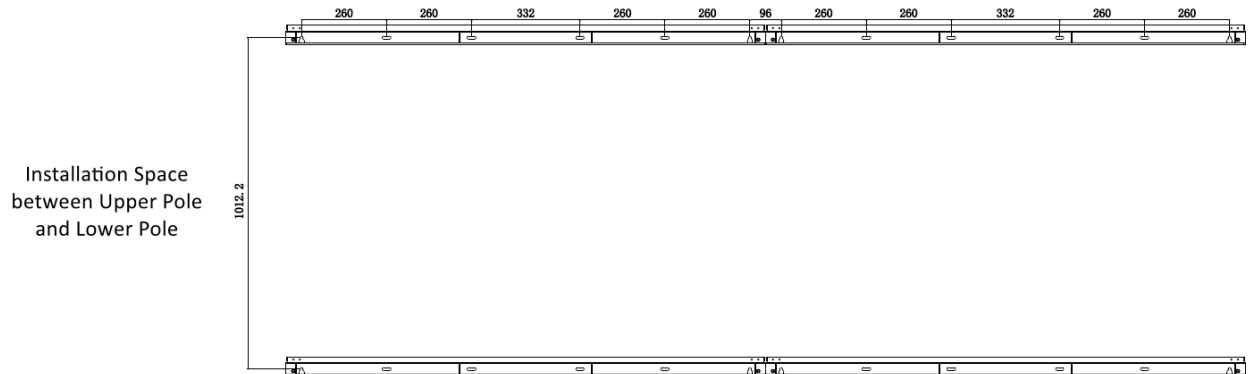


Figure 2-13 Wall-Mounted Bracket for 135-Inch Device

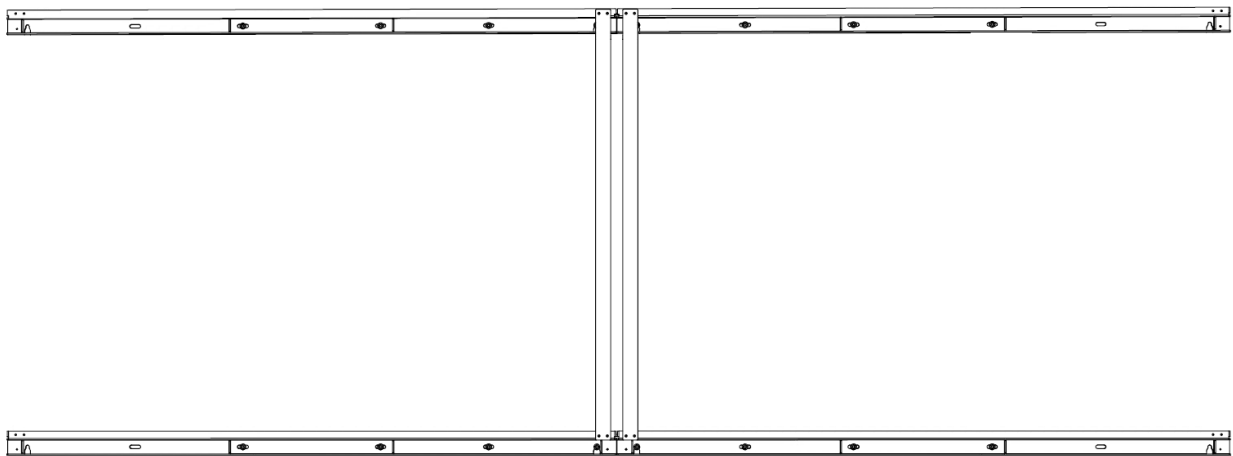


Figure 2-14 Install Positioning Rod for 135-Inch Device

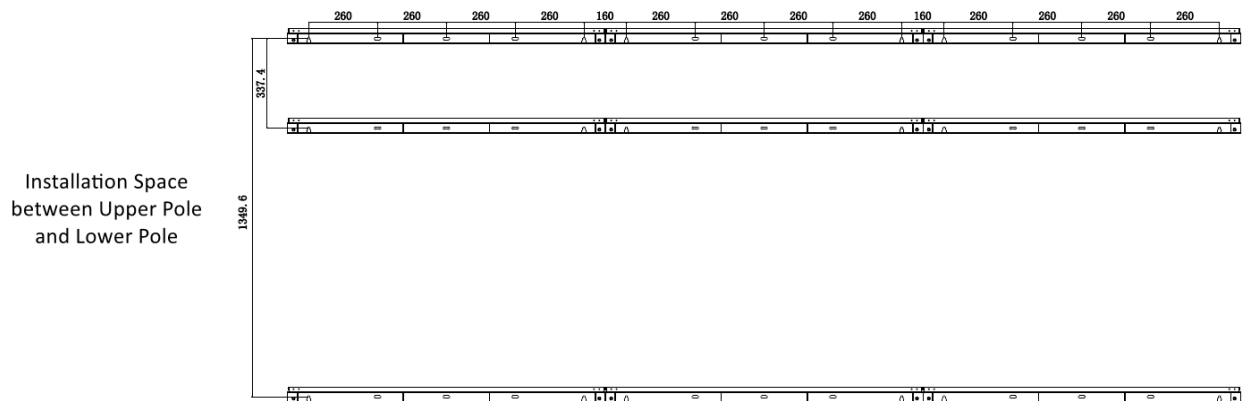


Figure 2-15 Wall-Mounted Bracket for 162-Inch Device

For the 162-inch device, when mounting the two upper poles, use the upper two rows of alignment pins of the positioning rods to determine the installation position.

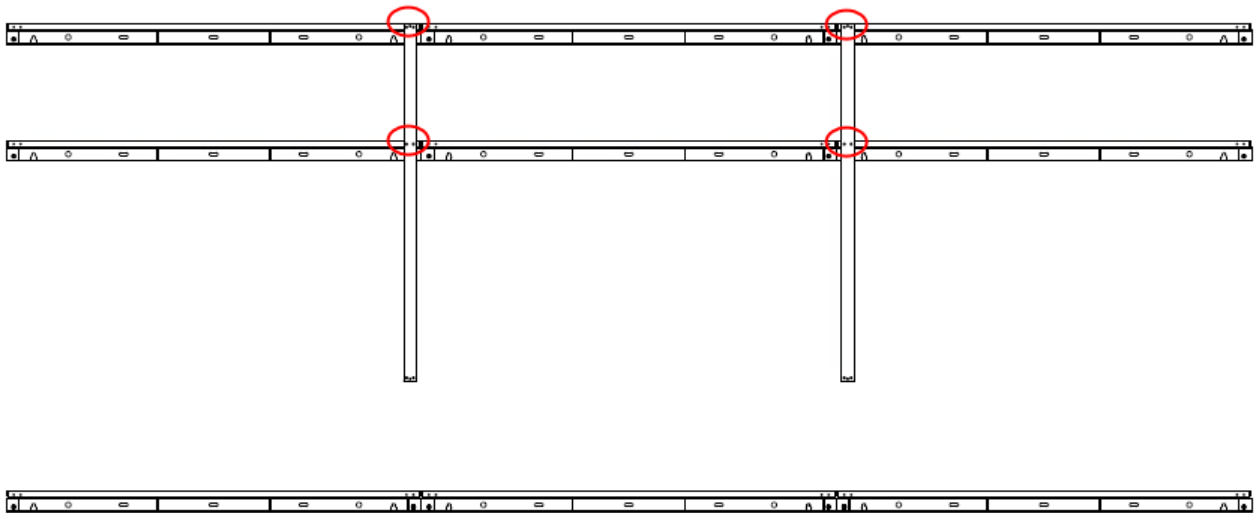


Figure 2-16 Install Positioning Rod for 162-Inch Device (1)

When mounting the two lower poles, use the alignment pins at both ends of the positioning rods to determine the installation position.

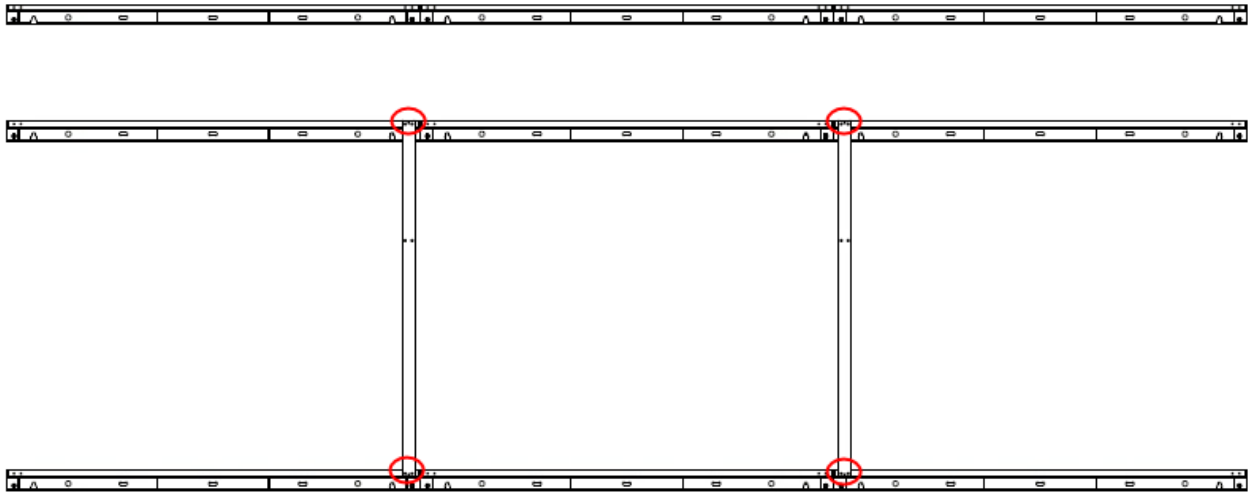


Figure 2-17 Install Positioning Rod for 162-Inch Device (2)

 Caution

Device dimensions must strictly correspond to specified mounting measurements when drilling and installing expansion anchor bolts. Non-compliance with dimensional specifications may result in installation hazards.

Step 3 Install the horizontal poles on the wall-mounted bracket. Fix the whole bracket onto the wall with M8 × 80 mm expansion anchor bolts.

Step 4 Verify that the mobile bracket is properly installed and fastened.

Chapter 3 Cabinet Installation

This manual is applicable to multiple sizes. Installation details are subject to the specific size.

The following description mainly shows how to install the cabinets taking 135-inch device as an example.

3.1 Precautions

Read the following precautions before you install the device:

- Electric discharge may last for a short period of time after the power is shut down. Please wait two minutes after the power is shut down to operate the device.
- Only use the original power cord delivered with the device. Contact authorized dealer to purchase power cord with same specifications.
- Please do not frequently plug or unplug the power cord when the power is on.
- To reduce the risk of fire or electric shock, please do not expose the device to rain or humid environment.
- Avoid humid or high-PH environment to prevent damage to the LED lamps.

3.2 Install the Cabinets

3.2.1 Splice the Cabinets

- 108-inch device:

The screen can be divided into 4 columns, and each column is composed of 1 column × 4 rows cabinets.

- 135-inch device:

The screen can be divided into 5 columns, and each column is composed of 1 column × 5 rows cabinets.

- 162-inch device:

The screen can be divided into 6 columns, and each column is composed of 1 column × 6 rows cabinets.

Steps

Step 1 (Optional) Complete the vertical splicing of the two adjacent cabinets.

- 1) Align the vertical locating studs on the upper cabinet with the vertical locating holes on the lower cabinet, and adjust the cabinet frames to the relative level.
- 2) Insert two positioning locking screws into the vertical installation holes from top to bottom to lock the adjacent cabinets.

- 3) Use two M6 screws to fix the connected aluminum plate.

Note

Only the 162-inch devices need to be spliced vertically between cabinets. No vertical splicing is required for the 108-inch and 135-inch devices.

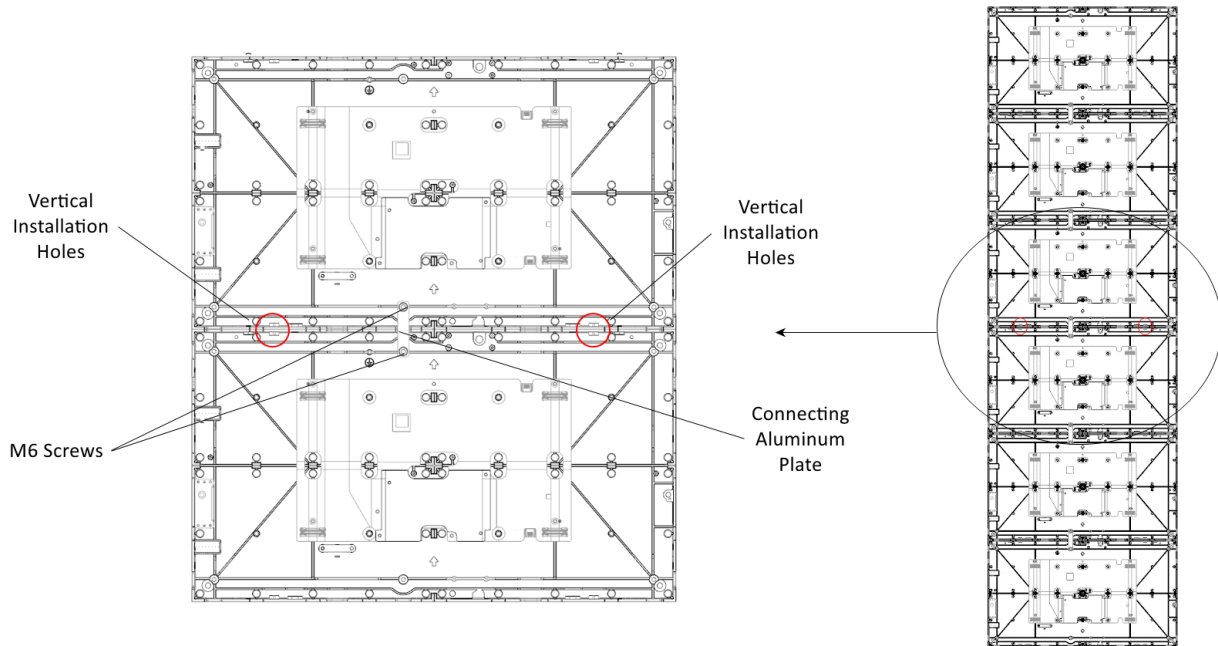


Figure 3-1 Stitch the Cabinets Vertically

Step 2 (Optional) Repeat above steps to complete the vertical stitching of cabinets of remaining columns.

3.2.2 Install Cabinets onto the Bracket

Step 1 Check the hanging boards, which are already installed on cabinets by default.

Hanging Boards
Already Installed

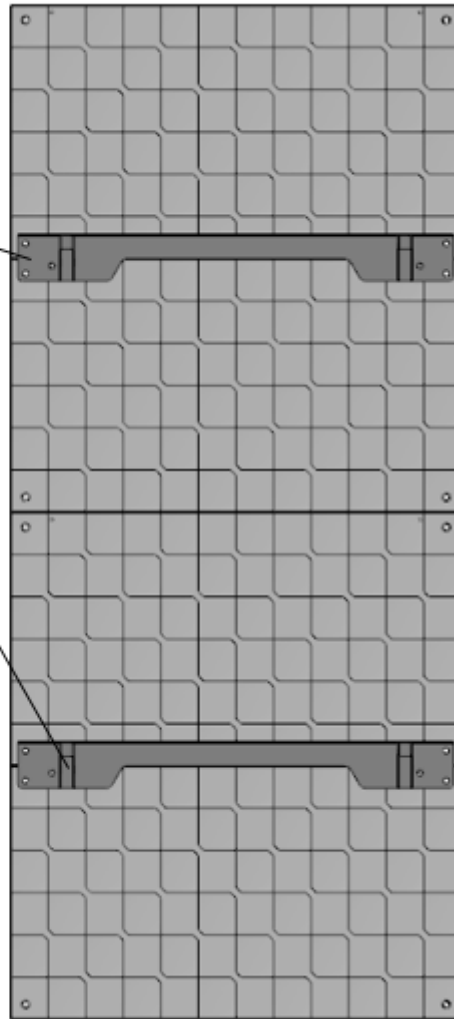


Figure 3-2 Install the Hanging Boards for 108-Inch Device

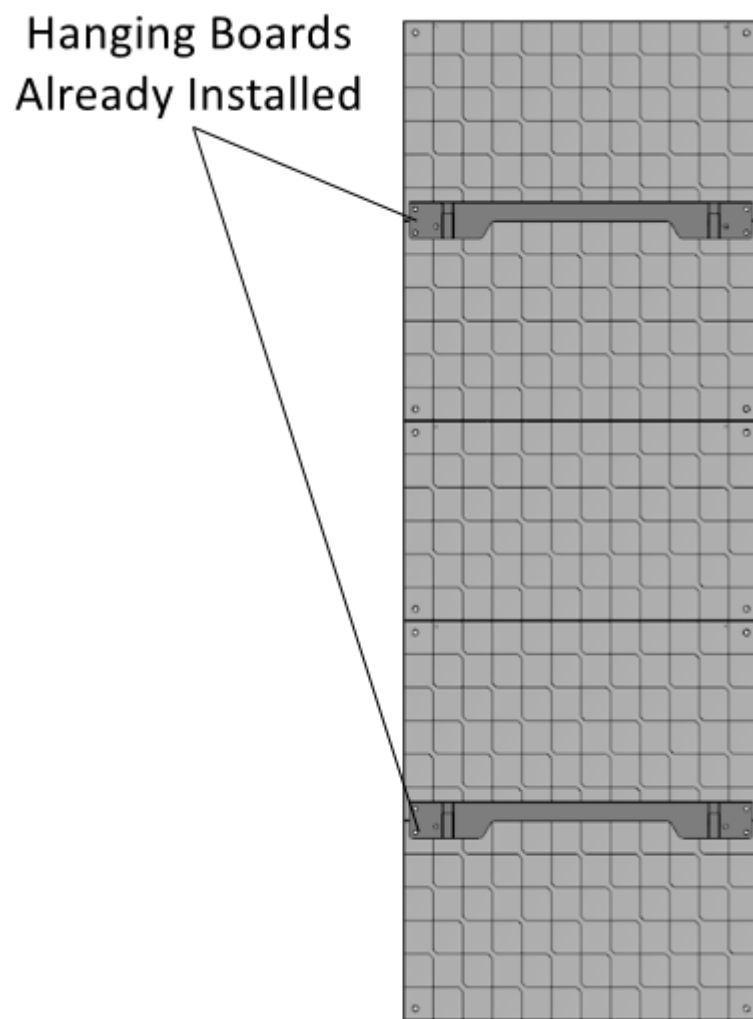


Figure 3-3 Install the Hanging Boards for 135- Inch Device

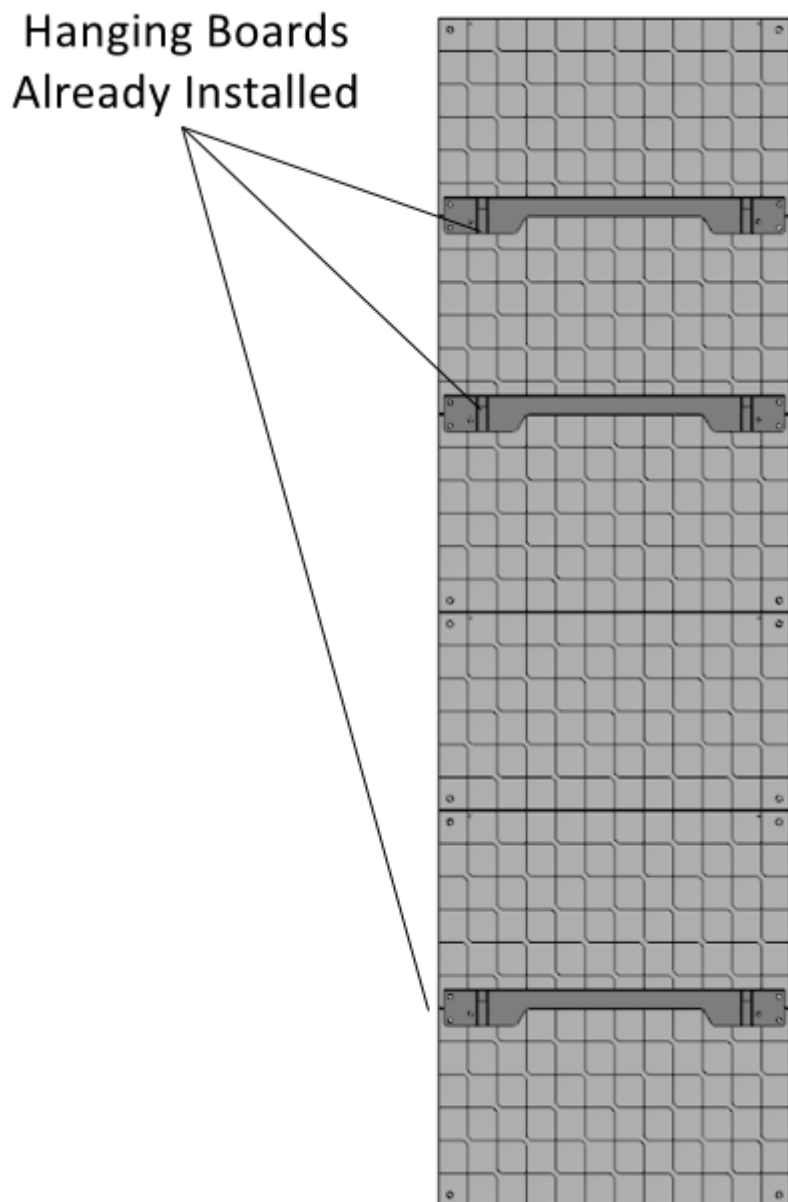


Figure 3-4 Install the Hanging Boards for 162- Inch Device

 Caution

Two columns of cabinets with profile frames need to be fixed on the left and right sides, while other columns have no requirements for position order.

Step 2 Hang the middle column of cabinets on the bracket. Position the middle column of cabinets close to the bracket and hang the hanging board behind the cabinets on the center of the bracket.

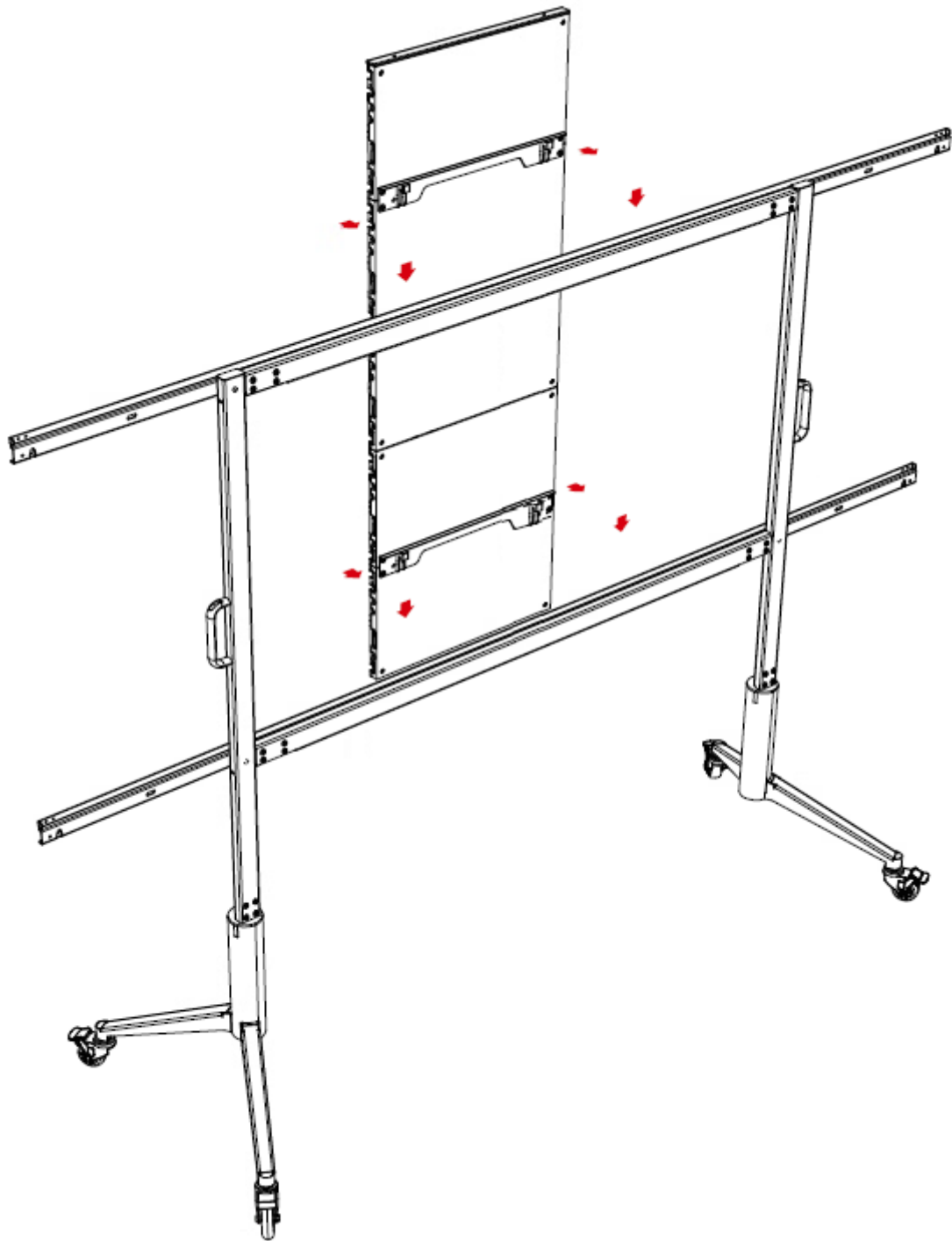


Figure 3-5 Hang the Middle Column of Cabinets on the Bracket

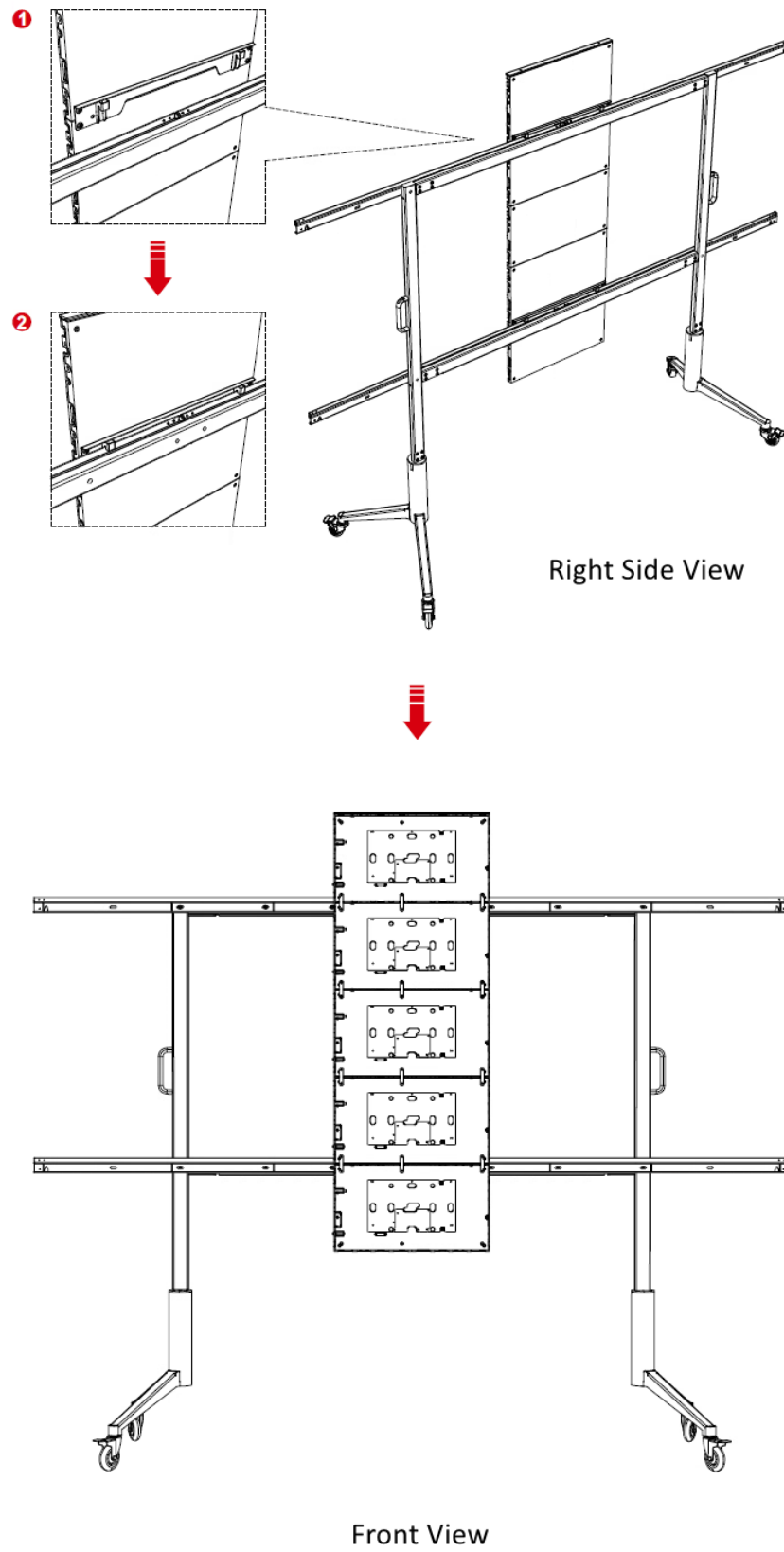


Figure 3-6 Middle Column of Cabinets Hung

Based on the middle column of cabinets, install the remaining 4 columns of cabinets from the middle to both sides.

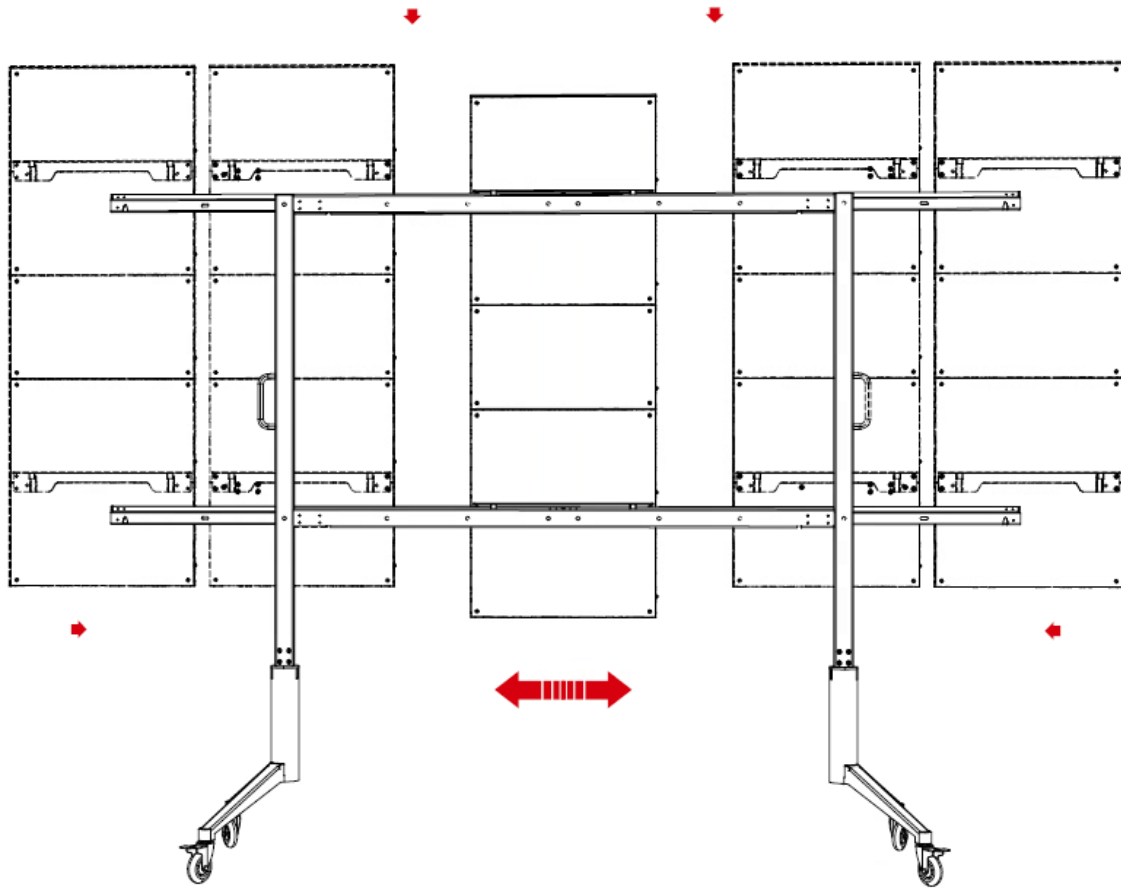


Figure 3-7 Remaining Columns of Cabinets Installation

Step 3 Finish the installation of the 2nd and 4th columns of cabinets.

- 1) Move the 2nd and 4th columns of cabinets close to the middle column of cabinets, and adjust the horizontal installation holes on adjacent cabinets to be aligned to complete the hanging of those two columns of cabinets.

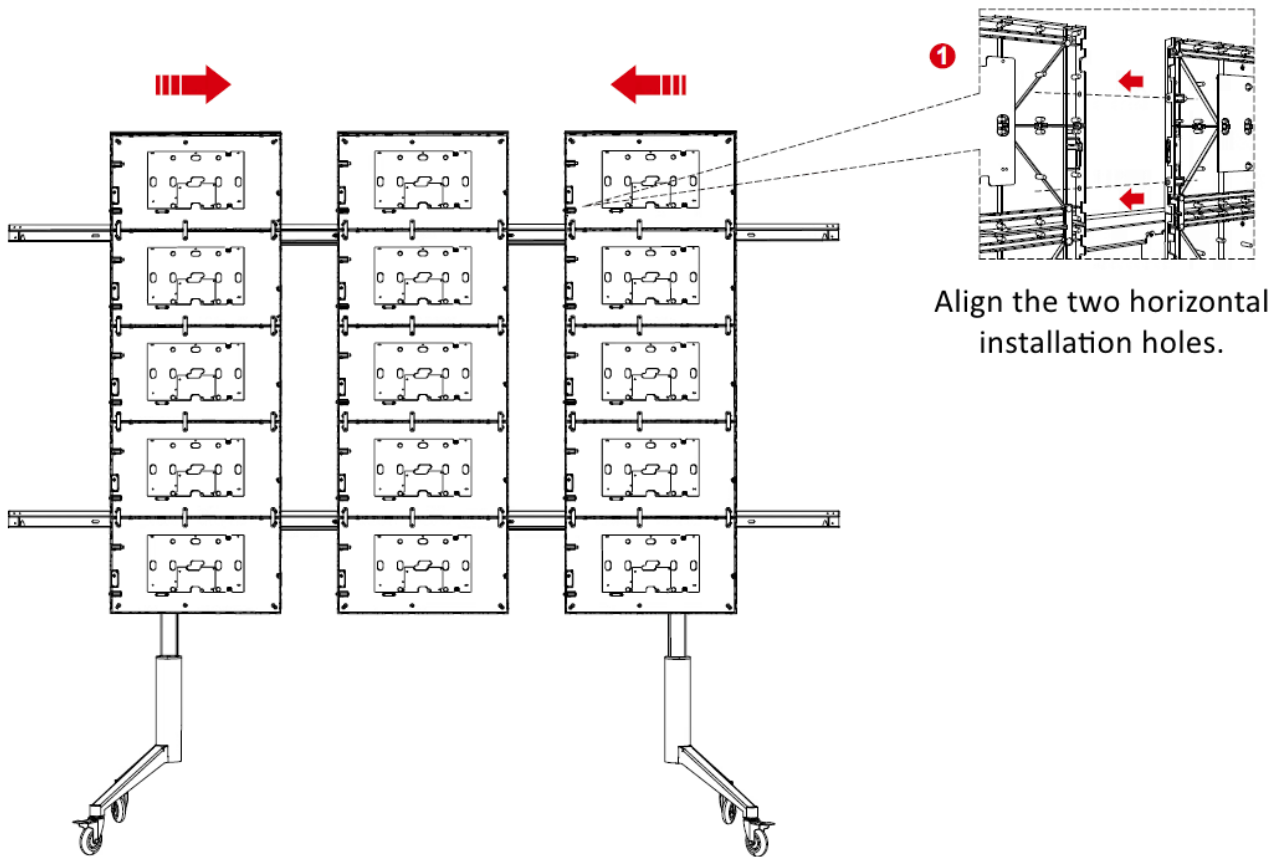


Figure 3-8 Align the Horizontal Installation Holes

- 2) After hanging the two columns of cabinets, pay attention to the flatness of cabinets and adjust them if necessary.
- 3) Insert an outer hexagon wrench into the eccentric lock hole and turn it clockwise to lock adjacent cabinets.

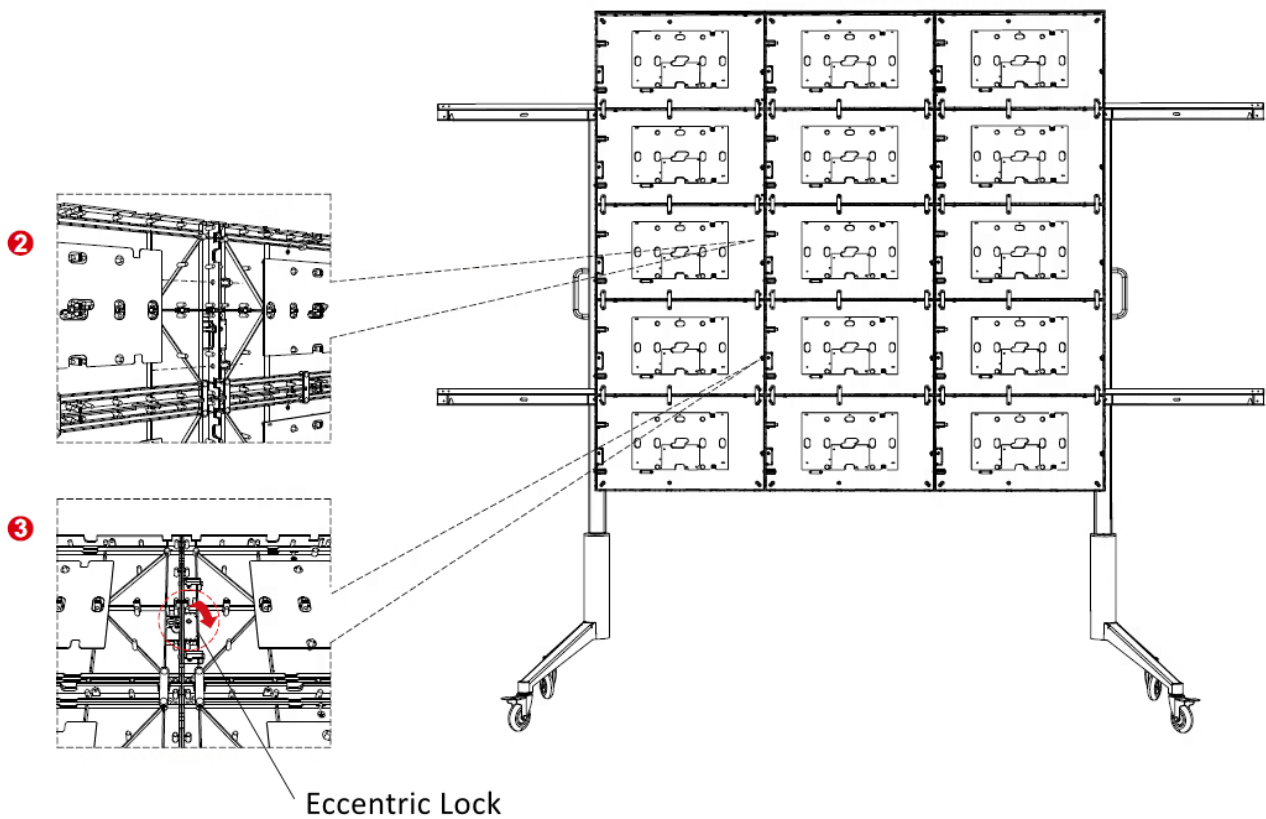
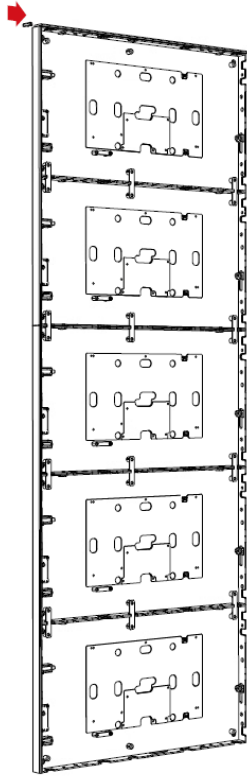


Figure 3-9 Interlock Adjacent Cabinets

Step 4 Refer to step 3 and install the remaining two outermost columns of cabinets.

- 1) Install the corner brackets to the corresponding positions on the outermost border of the 1st and 5th columns of cabinets respectively.

Install Left Corner Bracket



Install Right Corner Bracket

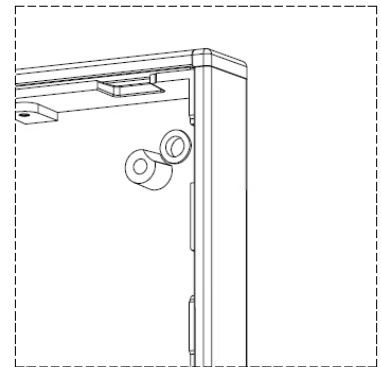
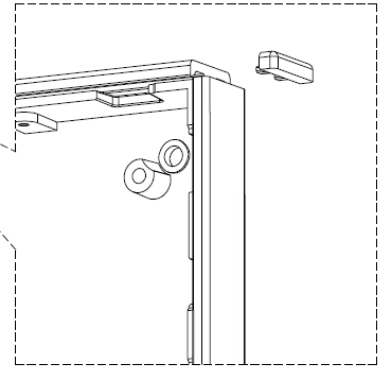
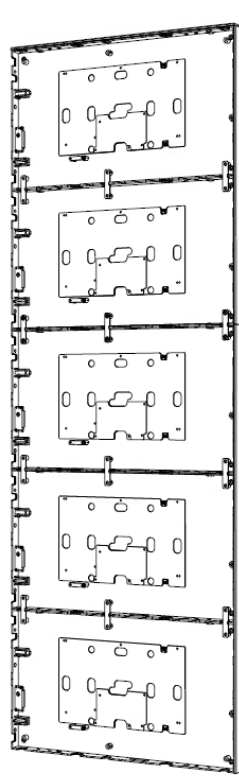


Figure 3-10 Install Corner Bracket

- 2) Move the 1st and 5th columns of cabinets closer to the 2nd and 4th columns of cabinets respectively, adjust the horizontal installation holes of adjacent cabinets to be relatively aligned, and complete the installation of the two outermost columns of cabinets.

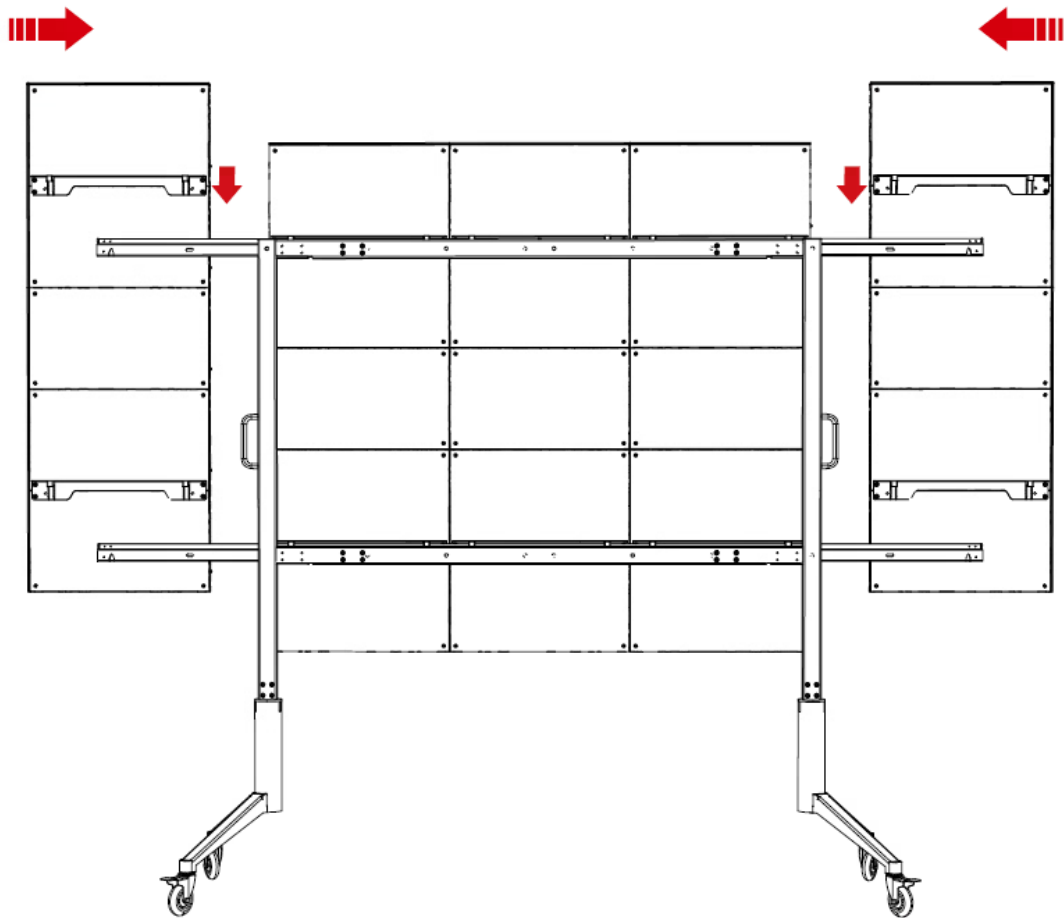


Figure 3-11 Hang the Outermost Columns of Cabinets

- 3) After hanging the two outermost columns of cabinets, pay attention to the flatness of cabinets and adjust them if necessary.
- 4) Insert an outer hexagon wrench into the eccentric lock hole and turn it clockwise to lock adjacent cabinets.

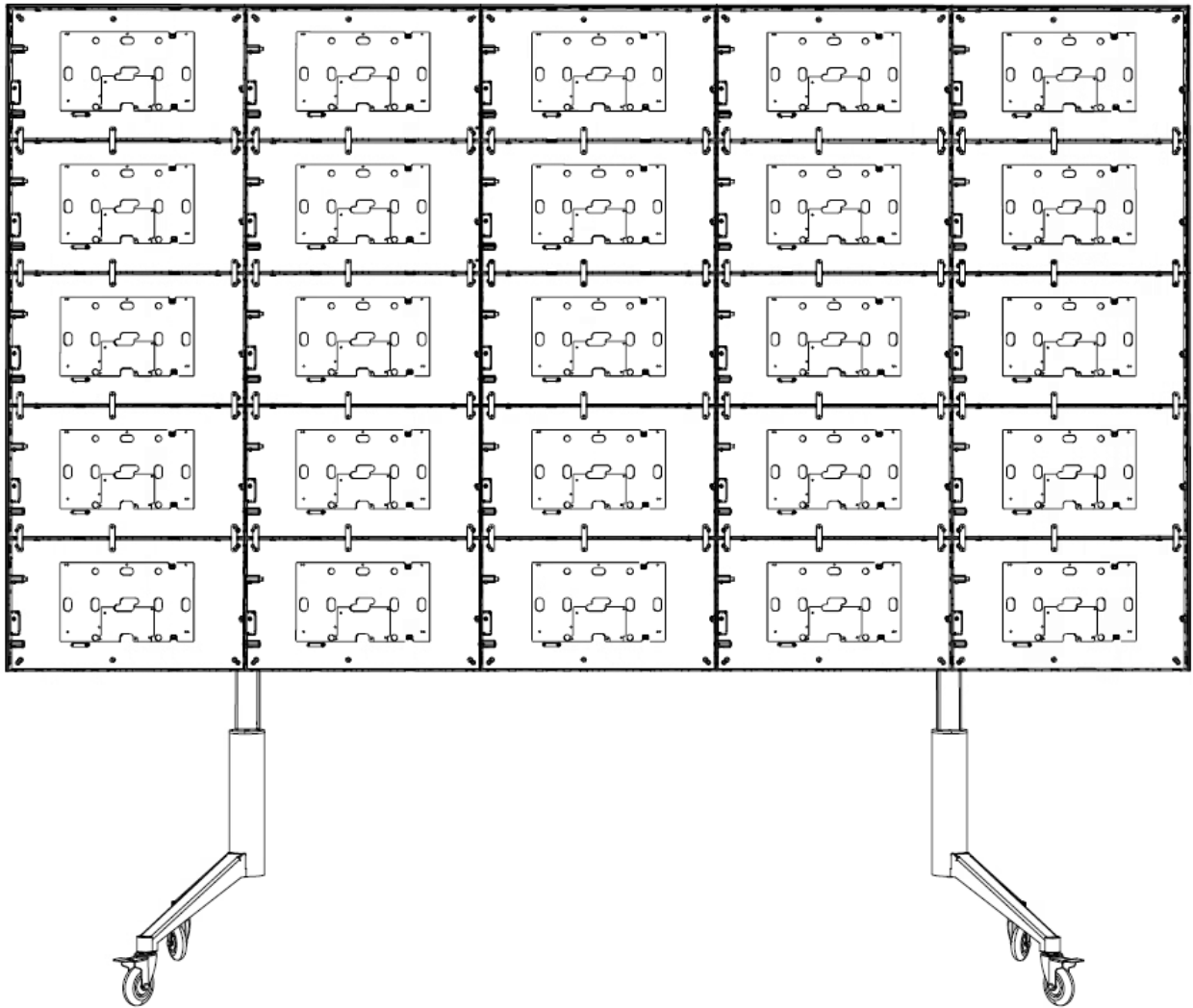


Figure 3-12 All Cabinets Installed

3.3 Install Bottom Profiles

Install the bottom profiles at the bottom of the bottom row of cabinets.

Before you start

Ensure all cabinets are installed.

Note

- The whole installation process requires two personnel.
- The number of eccentric locks varies with device sizes, but the installation method remains the same. The description below takes frames installation of the 108-inch device as an example.

The top and side profiles are assembled by default. If there is obvious unevenness during splicing, loosen the inner screws, level them, and tighten the screws. Only the bottom profiles need to be assembled on site, and then use connectors to splice the left and right profiles into one piece.

Step 1 Splice the left and right profiles, and fix the bottom file connector.

Align the 4 mounting holes on the connector with the fixing holes on the front of the left and right bottom profiles, and fix them with M4 × 16 screws.

Note

Place the connector according to the direction of the arrow on the connector.

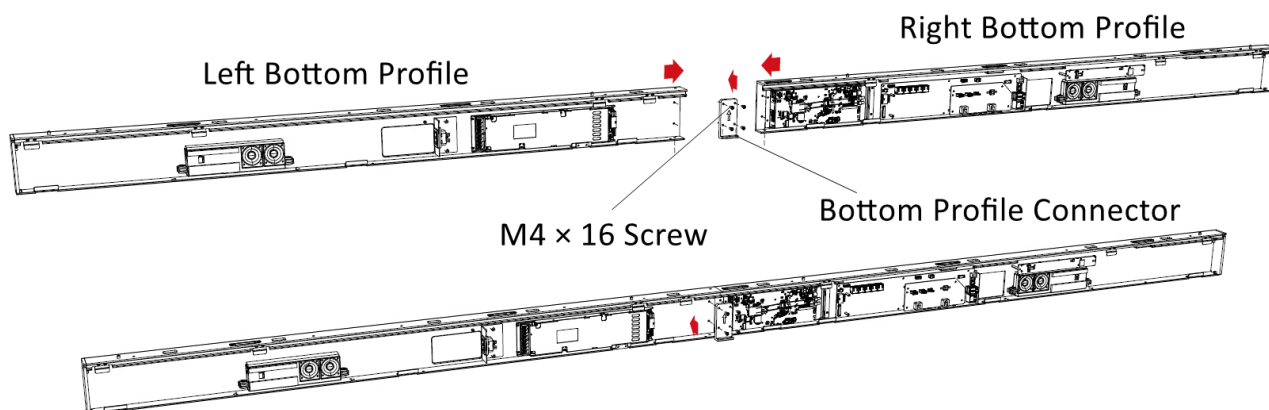


Figure 3-13 Fix Bottom Profile Connector

Step 2 Install the bottom profiles.

- 1) Place the bottom profile at the bottom of the cabinet, and align the locating studs on the top of the profiles with the corresponding holes at the bottom of the cabinets.
- 2) Insert the hexagon wrench into the eccentric lock holes and rotate it counterclockwise to fix the bottom profiles, ensuring that the cables are not pressed.
- 3) Fix a M4 × 14 screw on the left and right sides of the bottom profile respectively.



Figure 3-14 Fix Bottom Profiles

3.4 Connect the Cables

3.4.1 Electrical Safety Precautions

- The input voltage of power supply is AC 220V. A circuit breaker rated at D40, C50 or higher specification must be installed in the power distribution system due to high inrush current at power-on startup.
- Both 135-inch and 162-inch devices require a 1-channel input AC power cord. The input AC power cord should be connected to a circuit breaker rated at D40, C50 or higher specification. Pluggable wiring is strictly prohibited.
- It is not recommended to connect with residual-current devices (RCDs). Otherwise, the leakage current of switching power supplies can easily cause the tripping of RCDs.
- Although the quantity of power cords and network cables varies with different device sizes, the wiring requirements are the same.
- Make sure the device is powered off before you operate it to avoid electric shock.
- Check the cable before wiring to ensure that it is undamaged and that the plug contacts the socket tightly.
- If the device will run for a long time, it is recommended to use an overload protection power strip and check the cable status regularly.

3.4.2 Connect Power Cords

Connect power cords between cabinets in cascade in each column, as shown in the following figure.

- Use the 975 mm power cord to finish the cascading connection between cabinets.
- Connect the power cord of cabinet to the power supply in the bottom profiles: Connect one end of a 975 mm power cord to the N and L terminals of the AC power output port of the power supply respectively, and merge the other end with the nearby 975 mm power cord.
- Connect the device to an external power outlet or distribution cabinet: Insert the C13 plug at one end of the 5 m AC power cable into the C14 AC power socket of the device, and insert the other end into an external AC power outlet or connect it to a power distribution cabinet.

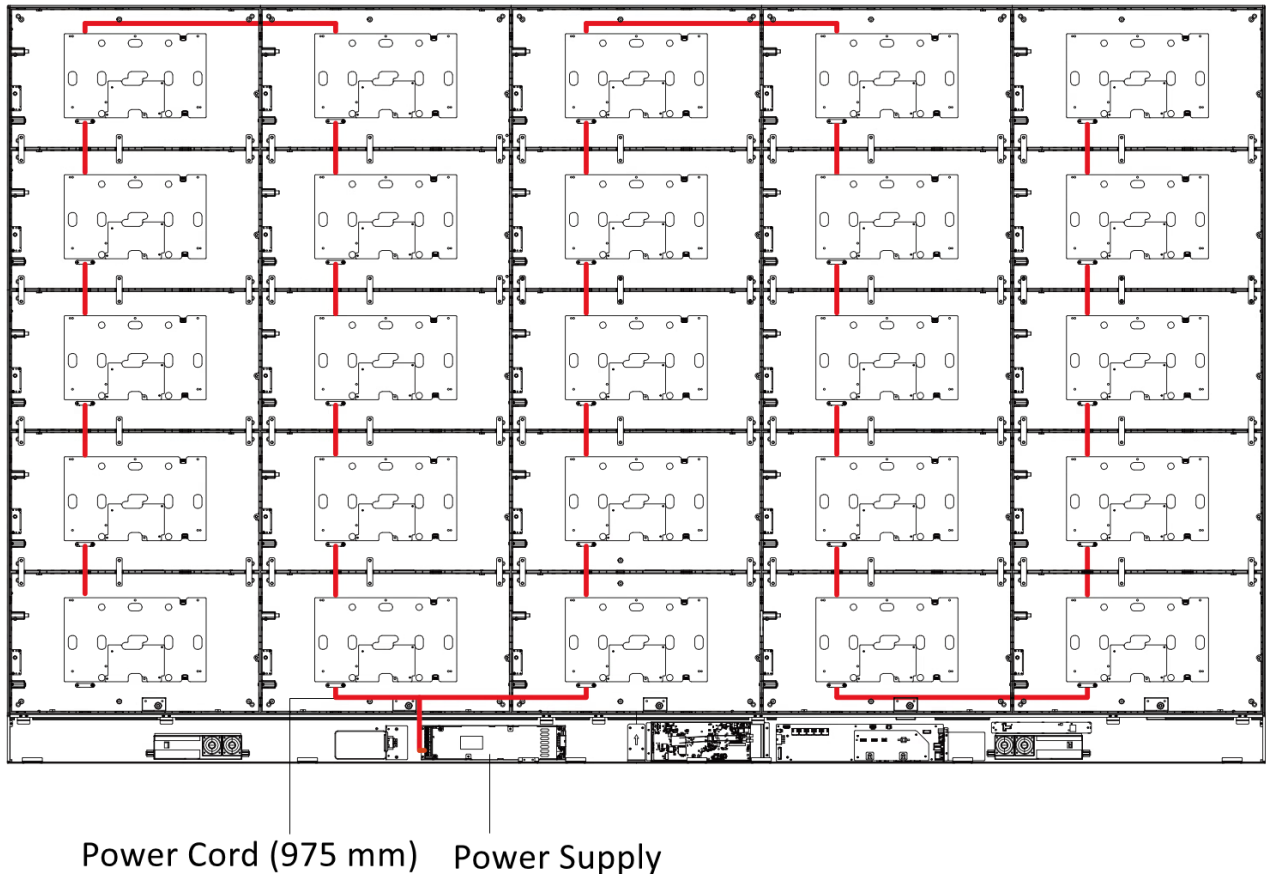


Figure 3-15 Internal Power Cords Connection between 135-inch Cabinets

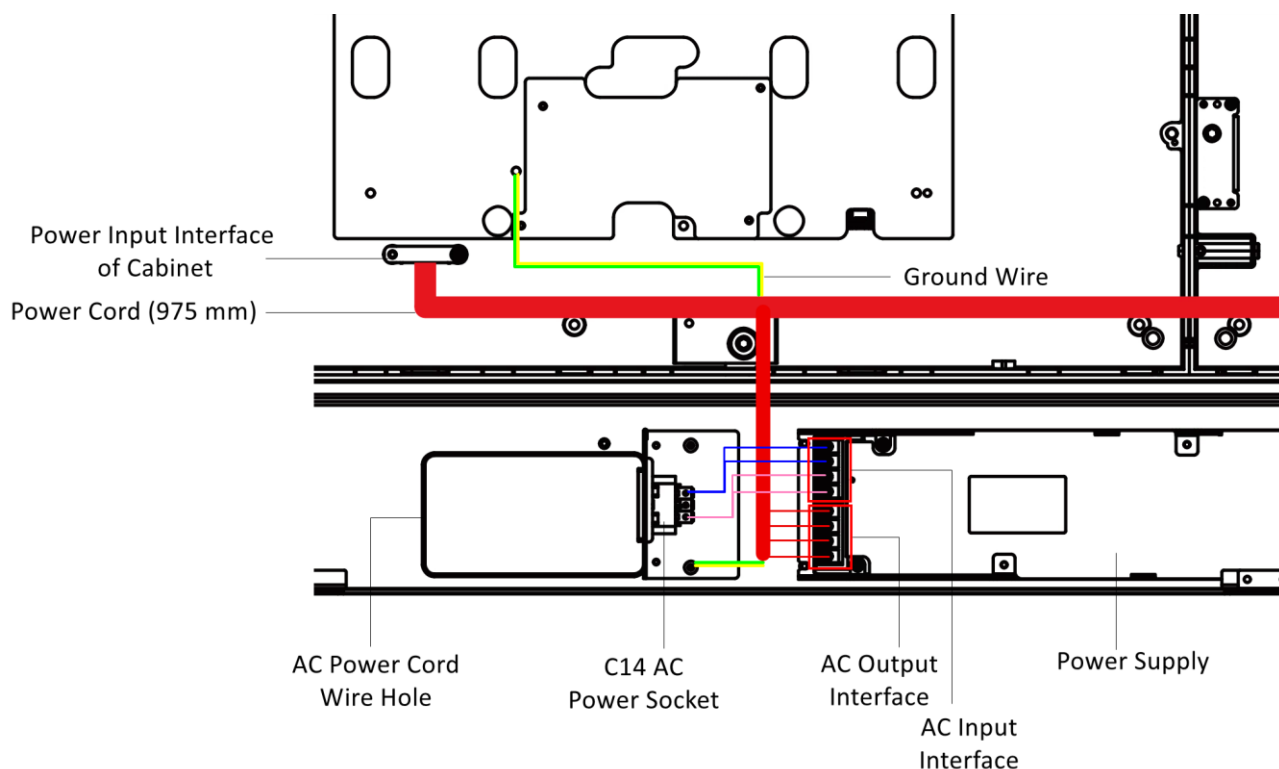


Figure 3-16 Connect Power Cord between Cabinet and Power Supply

Caution

The power cover plate is a critical safety component. Ensure that the power cover plate is properly installed upon completion of power cord wiring prior to proceeding with subsequent installations.

3.4.3 Connect Network Cables

Connect the network cables between the cabinets and between the cabinet and the bottom profiles according to the wiring path as shown in the figure below.

- Use 175 mm black network cables to finish the vertical cascading connection between cabinets.
- Use 780 mm black network cables to finish the horizontal cascading connection between cabinets.
- Connect the network input interface at the bottom of the first row of the cabinet to the rightmost network interface on the main board with a 585 mm black network cable.

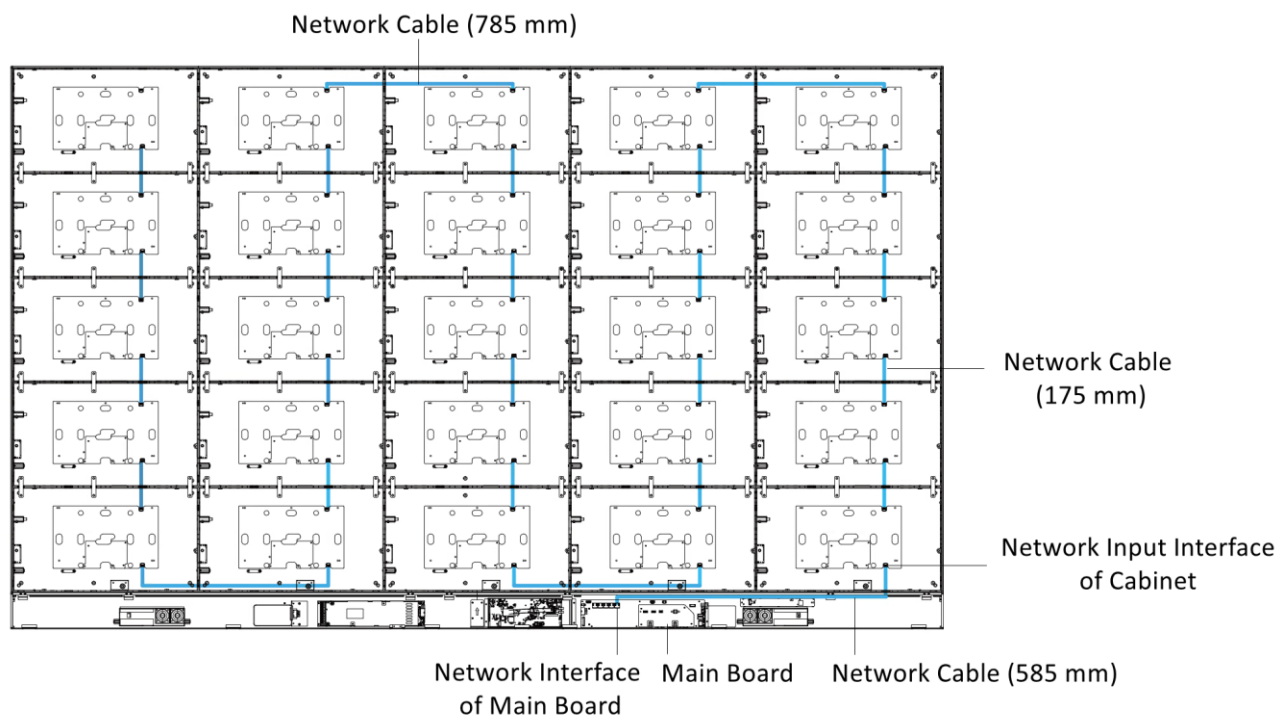


Figure 3-17 Internal Network Cables Connection between 135-inch Cabinets

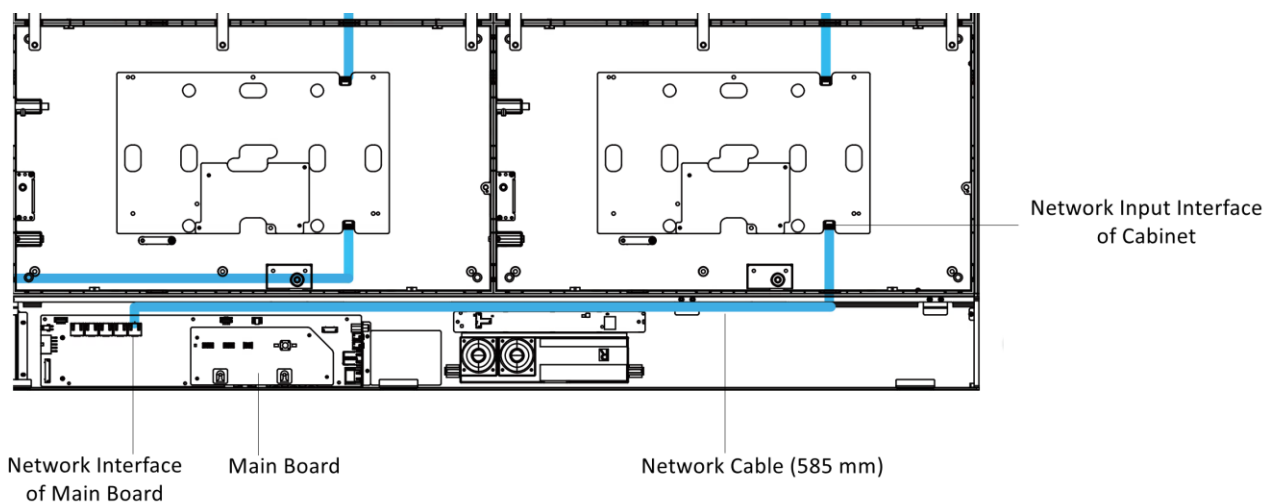


Figure 3-18 Connect Network Cable between Cabinet and Main Board

! Caution

The two rightmost columns of cabinets on the device are directly connected to the interfaces of the main board via primary network cables. There is no need to connect with the network interface boards.

3.4.4 Connect Main Board Power Cord

Use the 510 mm main board power cord to connect the DC power output interface of the power supply to the power input interface of the main board.

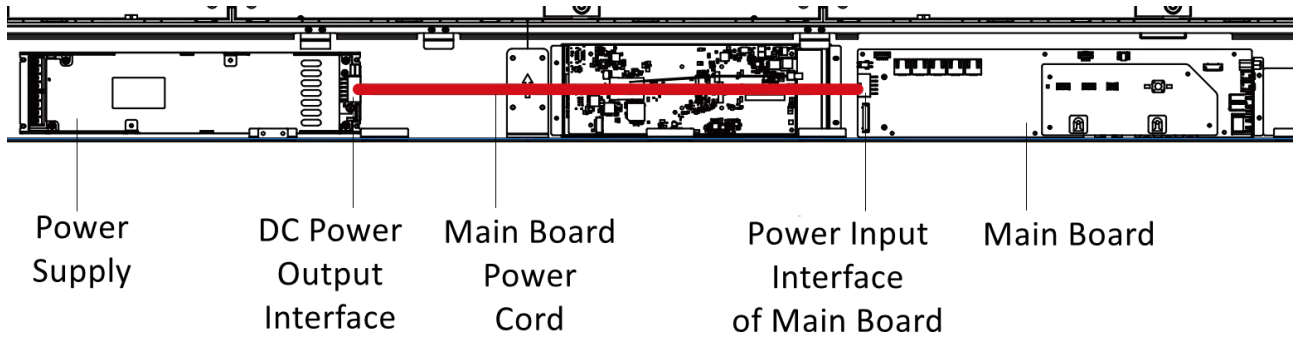


Figure 3-19 Connect Main Board Power Cord

3.4.5 Connect Ground Wire

Connect one end of the yellow-green ground wire to the ground terminal with a grounding symbol near the C14 AC power socket, secure it with a M4 × 8 screw, and the other end to the building grounding terminal through the C14 AC power socket.

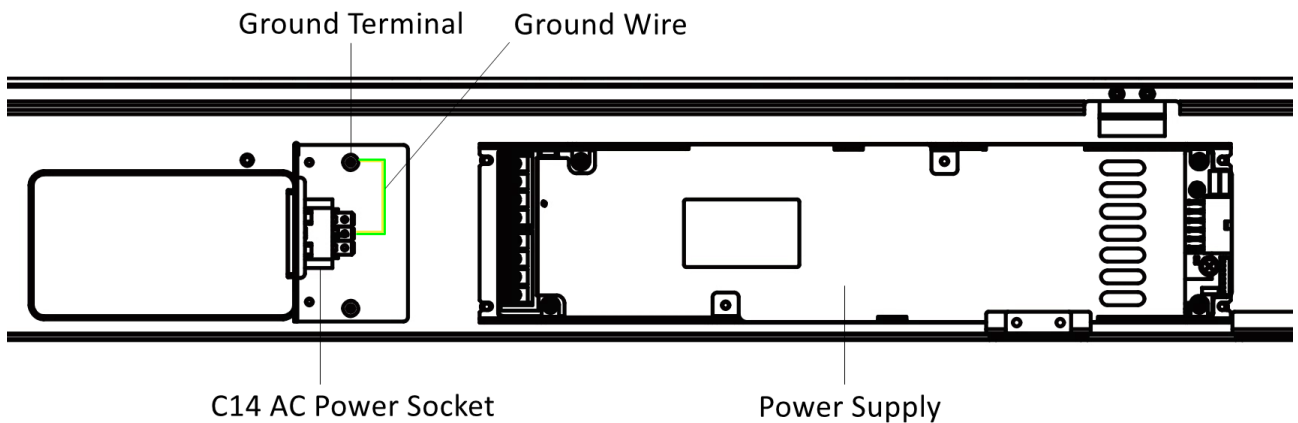


Figure 3-20 Connect Ground Wire

3.4.6 Connect Speaker Wire

Use the male-to-female connector to connect the two ends of the speaker wire to the left and right sides of the chin profile.

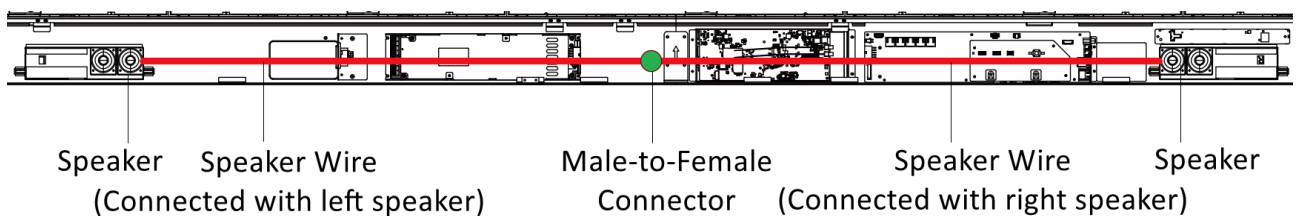


Figure 3-21 Connect Speaker Wire

3.5 Install OPS Module

The OPS module is an optional component. No installation is required if there is no OPS module is in the device.

Before You Start

All peripheral frame components are installed. The cover plate must be open.

Step 1 Put the OPS module at the designated location (on the bottom frame profile with the integrated air guide). Ensure the interface side of the OPS board faces inward.

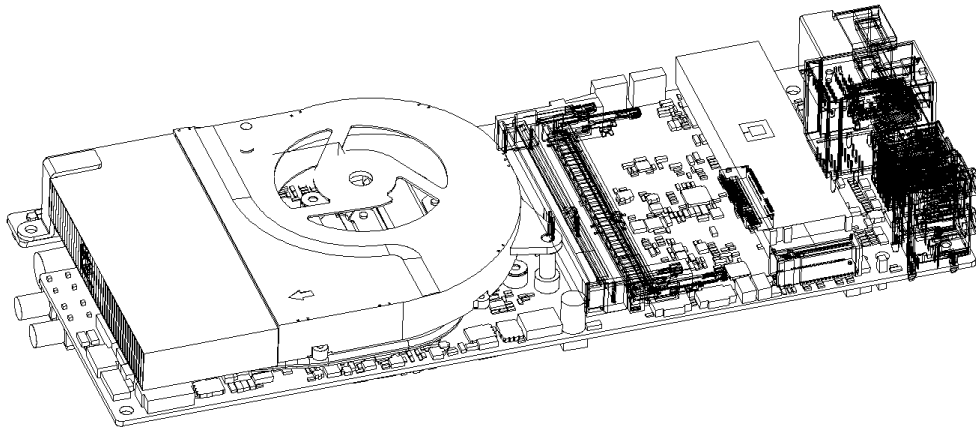


Figure 3-22 OPS

Step 2 Secure the four M3 × 6 assembly screws into the corresponding mounting holes to fix the OPS module.

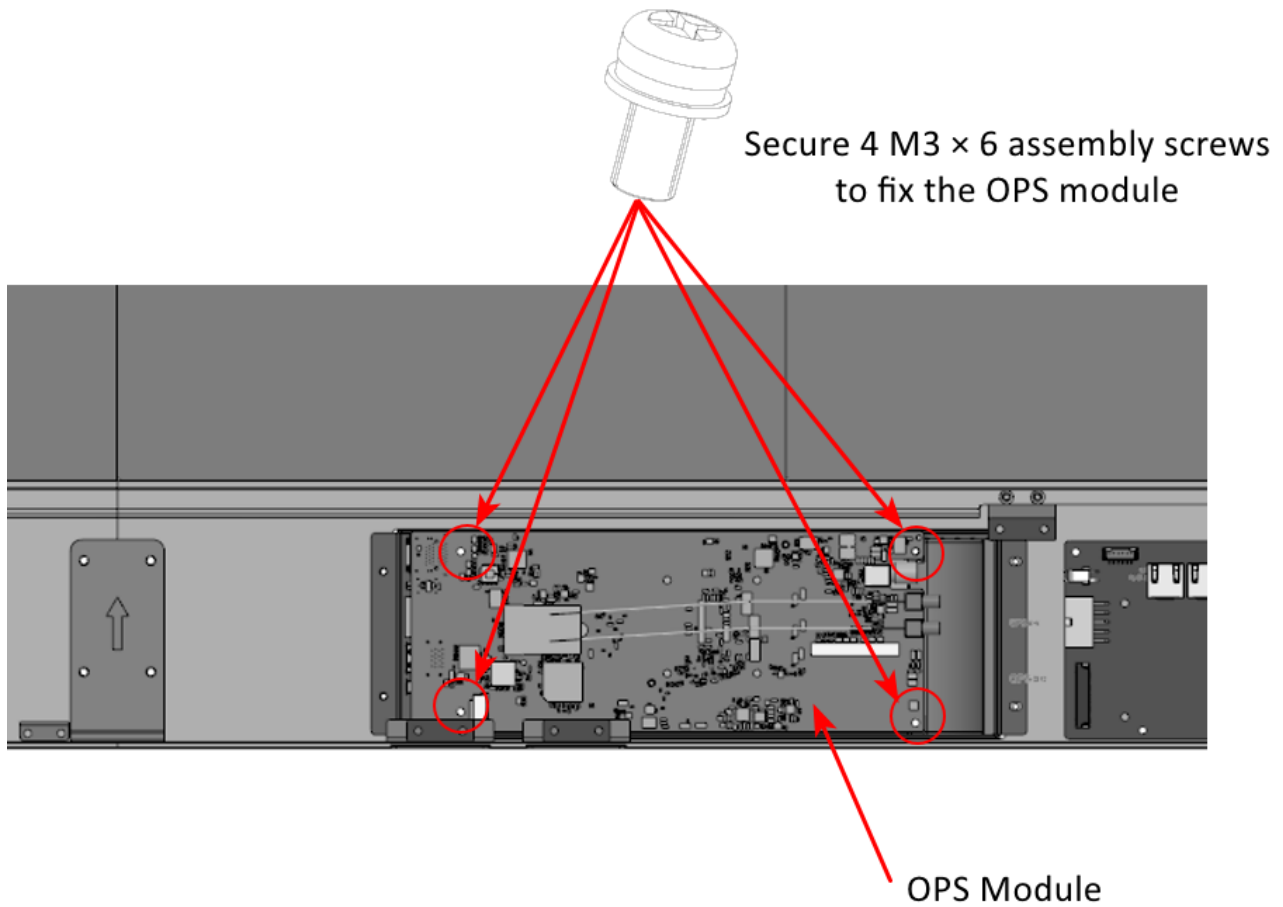


Figure 3-23 Fix OPS Module

Step 3 Connect the cables between the main board and the OPS module as shown in the figure below.

- 1) Use the 46 mm OPS power cord to connect the DC power output interface on the main board with the power input interface on the OPS module.
- 2) Use the 160 mm OPS signal cable to connect the OPS expansion interface on the main board with the OPS FFC connector.

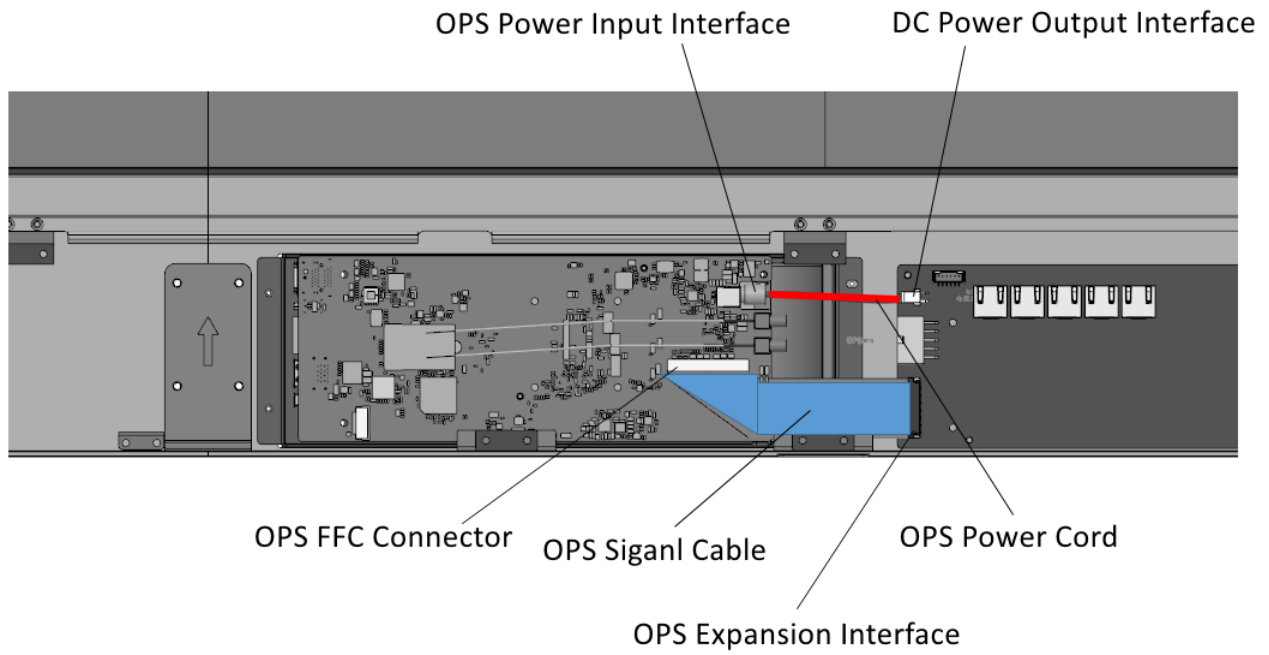


Figure 3-24 Cabling Diagram of OPS Module and Main Board

3.6 Install LED Modules

Step 1 Install the LED modules onto the cabinet frames from middle to both sides and from bottom to top.

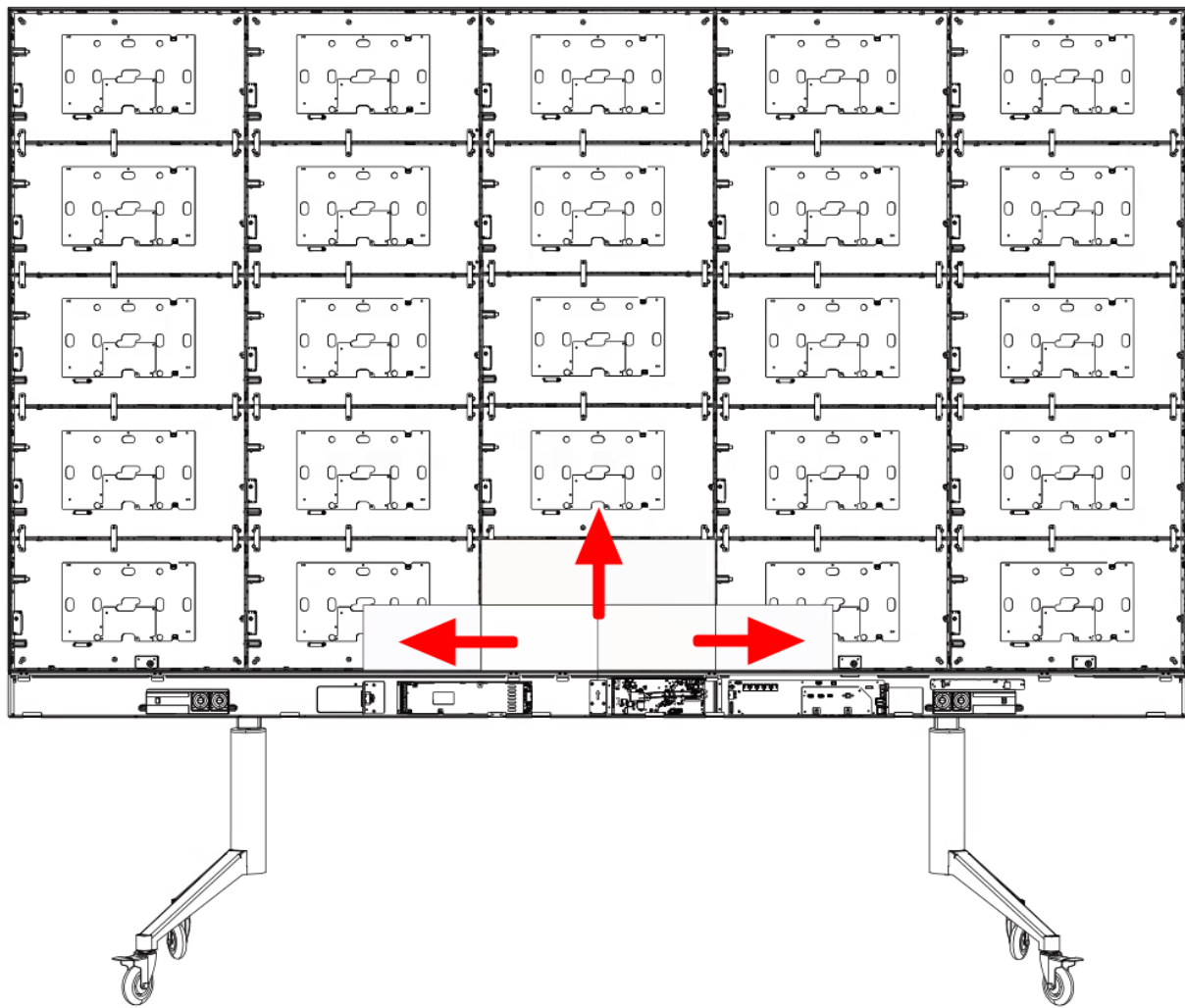


Figure 3-25 Install LED Modules

 Caution

Be careful when installing the LED modules to avoid dropping the lamp beads.

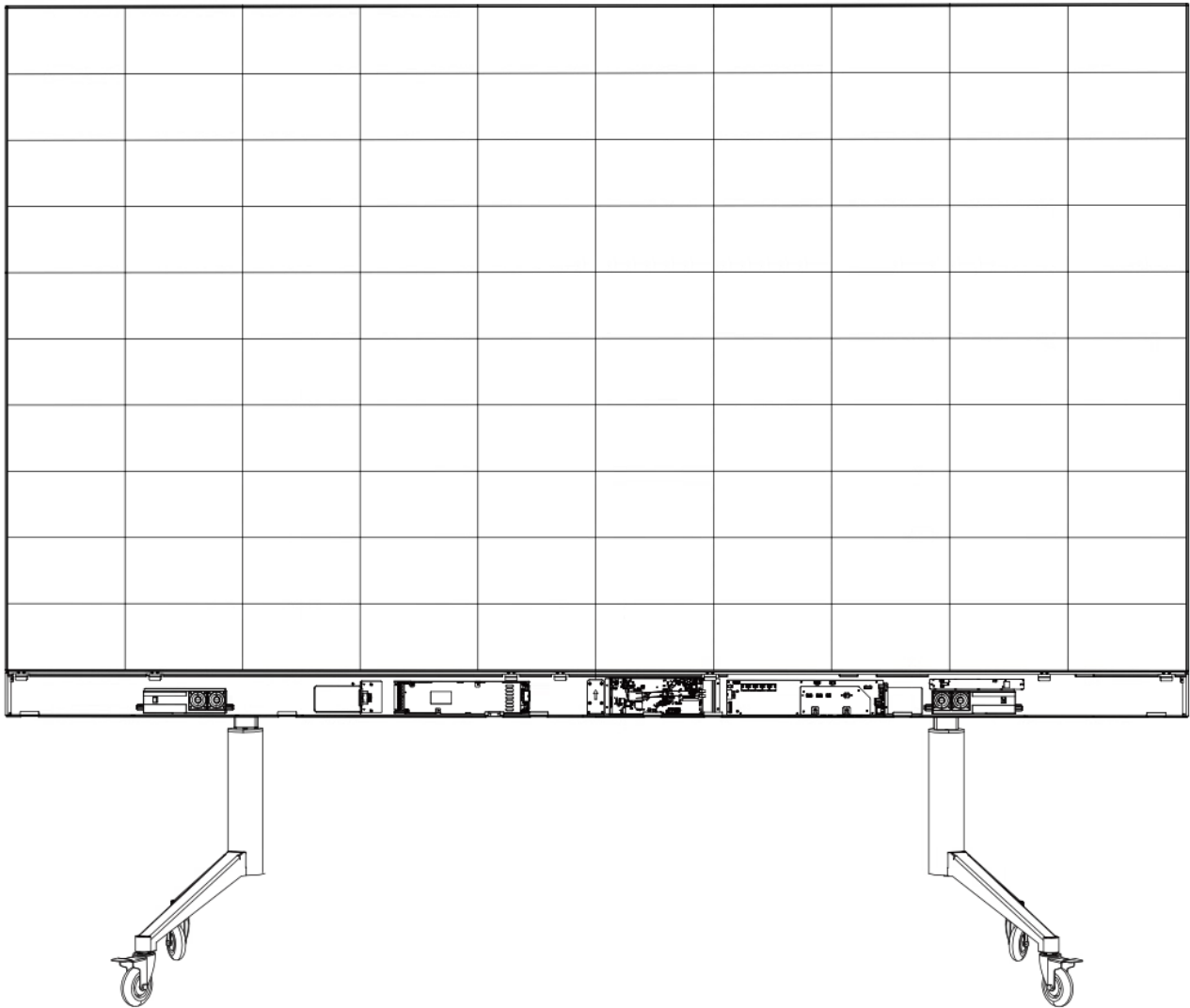


Figure 3-26 All LED Modules Installed

Step 2 Use infrared tools or string lines to verify the overall flatness of the LED screen, ensuring that the screen does not protrude forward by more than 2 mm.

3.7 Install Cover Plates

The front cover plates of the bottom profile consist of 3 components: the central cover plate, and plates on both sides. All three cover plates are magnetically secured for easy installation and removal.

Before You Start

Cabinet splicing, profiles installation and internal cable connection have been finished.

Step 1 Align the top edge of the left cover plate with the mounting slot on the bottom profile. Press and slide the plate downward along the arrow direction shown in the figure until fully seated. Install the right cover plate in the same way.

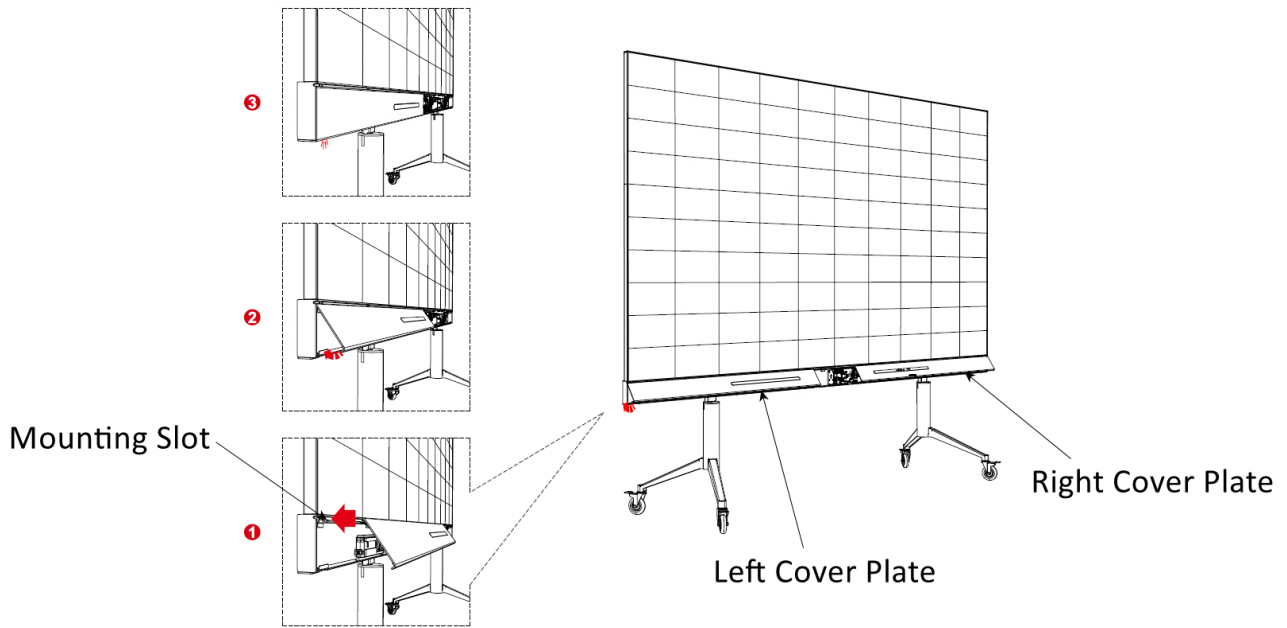


Figure 3-27 Install Central Button Cover Plate

Step 2 Repeat above steps to complete the installation of the middle cover plate.

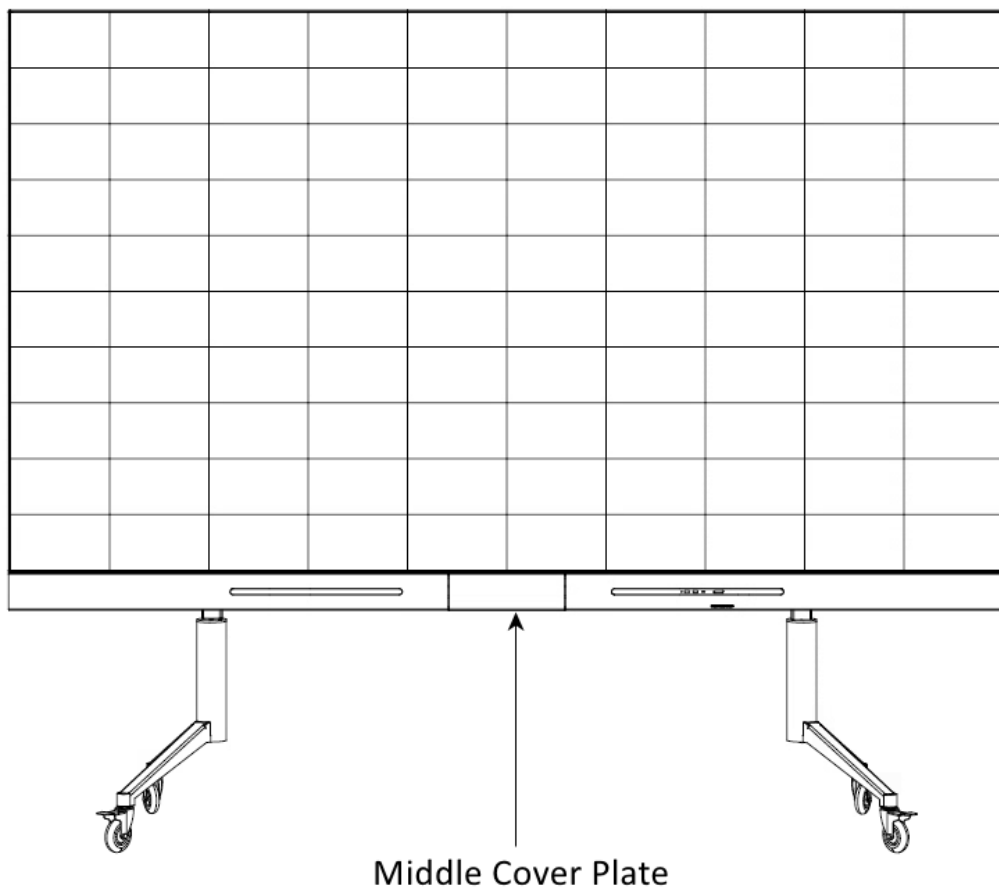


Figure 3-28 Install Middle Cover Plate

Chapter 4 Software Debugging

The device supports configuration on the LED Tool client or the LED Controller web client. For more details about the configuration process, tap the link below or scan the QR code to get the configuration guide.

Table 4-1 Related User Manuals

User Manual	QR Code	Description
LED Tool Client User Manual		Used for lightening and controlling LED screens via the client.
LED Controller User Manual		Used for lightening and controlling LED screens via the web client.

Chapter 5 Remote Control Pairing

Press and hold the  +  button on the remote control according to the prompt popped up in the lower-right corner of the screen to pair the remote control with the device.

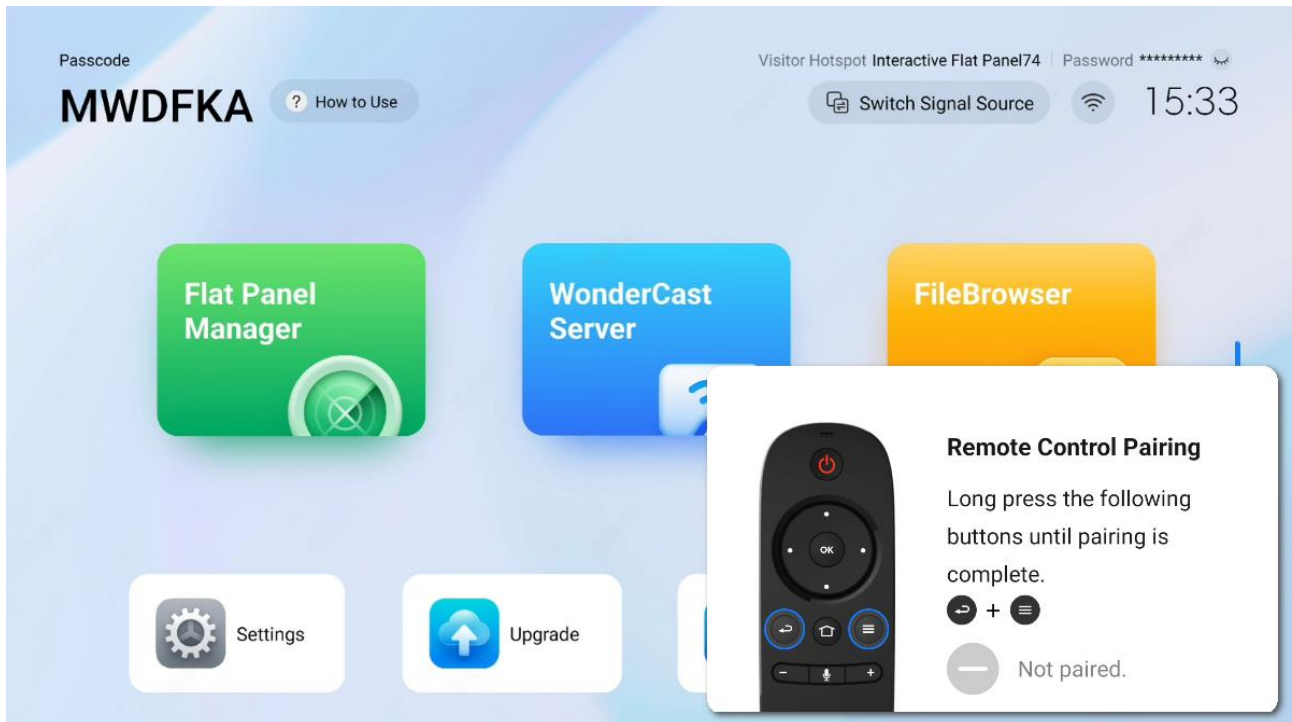


Figure 5-1 Main Page (Remote Control Not Paired)

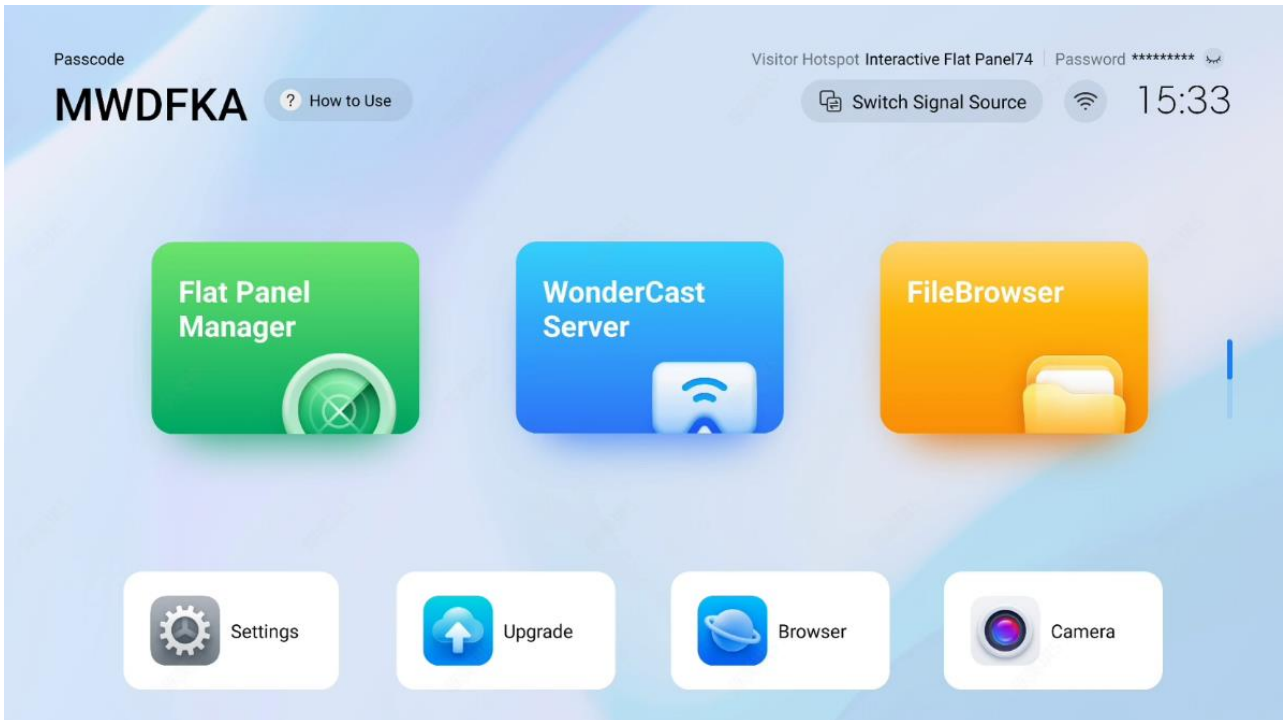


Figure 5-2 Main Page (Remote Control Paired)

You can use the remote control to operate the device after successful pairing. The appearance and button descriptions of the remote control are as follows.



Figure 5-3 Remote Control

Table 5-1 Buttons Description

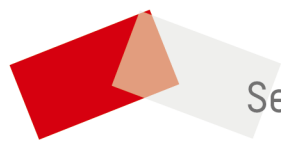
No.	Button Name	Description
1	Power Switch	• Turn on or turn off the device. • Enter or exit sleep mode.
2	Up	Switch to the upper or the previous one.
3	Left	Switch to the left one or decrease the parameter value.
4	Right	Switch to the right one or increase the parameter value.
5	Down	Switch to the lower or the next one.
6	OK	• Enter. • Confirm. • Call up the virtual keyboard on screen.
7	Return	Go back to the previous one.
8	Main Page	Return to the main page.
9	Signal Source	Enter the signal source switching page.
10	Volume (-)	Decrease the volume.
11	Microphone	Input voice.
12	Volume (+)	Increase the volume.

Chapter 6 Screen Operation

For more details about operations on the screen, please click [LED All-in-One Display User Manual](#) or scan the QR code below to view.



Figure 6-1 QR Code of LED All-in-One Display User Manual



See Far, Go Further