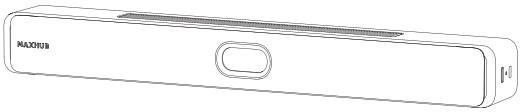
MAXHUB XBar V50



Quick Start Guide

V25

MAXHUB

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Thank you for choosing **MAXHUB** product.
To ensure that you are able to fully utilize the capabilities of the product, we ask that you please read this quick start guide carefully and thoroughly before using the device. Should you have any questions or require assistance, please do not hesitate to contact our technical support team for guidance.

Safety Information

- **Be Careful of Electric Shock or Fire**

(1) This device is not waterproof, please keep it dry; if water is immersed in this product, please shut down immediately and contact the customer service center according to the prompt provided by the customer service center before using it again.
(2) Never place this device and accessories near the burning flames or other heat sources, including direct sunlight.
(3) This device should be turned off and unplugged before lightting storms.

- **Be Careful of Short Circuit or Catching Fire**

(1) Before connecting this device to an electrical outlet, please make sure that the power supply voltage matches the voltage value printed on the back or bottom of the product. Never connect the product to an electrical outlet when the voltage is different.

- **Take Care Not to Injure or Damage this Device.**

(1) Never place this device or any objects on a power cord or other electronic devices.
(2) If this product is transported at a temperature below 5°C, please unpack the product and wait until the temperature reaches room temperature before connecting it to a power outlet.
(3) This product comes with sharp objects, please handle it carefully so as to avoid injury to the user or scratching the appearance of the product or damaging the internal parts of the product.

- **Be Careful of Overheat**

(1) Never install this device in an enclosed space. Always leave at least 4 inches space around the product for ventilation.

Care For the Product

(1) Clean this device only with a piece of microfiber cleaning cloth.

Care For the Environment

(1) This device applies recyclable high-performance materials and components. Never dispose of this product with other household wastes. Please understand the local regulations on the sorting collection of electronic products.
(2) Proper disposal of these products helps to avoid potential negative effects on the environment and human body health.

Maintenance & Servicing

(1) Please contact professional service personnel for all repair services.
(2) Please do not insert any sharp object into the inside of the device.
(3) Please do not drop or hit the device to avoid damaging it.

Regulatory Notice

Regulatory and certification information can be found in the provided **Regulatory Notices** document or at the official website: https://www.maxhub.com/en/support/?#trigger-download-center.

Technical Support

Please visit the official website: www.maxhub.com for more information about the product documents, software, firmware upgrade, FAQs, etc. Should you have any questions or concerns, please do not hesitate to contact our technical support team for help.

Hereby, Guangzhou Shirui Electronics Co., Ltd. declares that the this product is compliant with the essential requirements. The complete Declaration of Conformity may be requested through the following postal address: MAXHUB EUROPE B.V. BEURSPLEIN 37, 3011AA ROTTERDAM, NETHERLANDS.

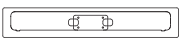
1. XBar V50 Package:



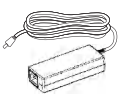
XBar V50 ×1



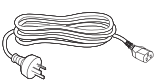
Quick Start Guide ×1



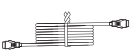
Positioning Card ×1



Power Adapter ×1
(1.5 m / 4.92 ft)



Power Cord ×3
(1.5 m / 4.92 ft)



HDMI Cable ×2
(3 m / 9.84 ft)



Ethernet Cable ×1
(3 m / 9.84 ft)

Mounting Kit:



Mounting Bracket ×1



TV-Clip Mount ×1



Double-Sided Tape ×2
(One is on the TV-clip mount)



TV-Clip Screw ×1
(KM3×6)



Wing Thumb Screw ×2
(1/4-20)

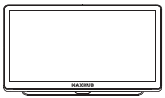


Wall Anchor ×4
(6×32)

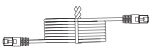


Wall Screw ×6
(KA3×30)

2. Panel AP30 Package (Optional):



Panel AP30



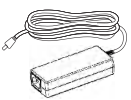
Ethernet Cable ×1
(7.5 m / 24.61 ft)



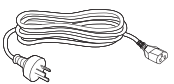
Type-C Cable×1
(1.5 m / 4.92 ft)



Phillips Screwdriver



Power Adapter ×1
(1.5 m / 4.92 ft)



Power Cord ×3
(1.5 m / 4.92 ft)

Optional Accessories:



Remote Control



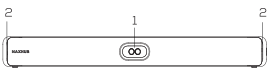
Wireless Screenshare

NOTE

1. Type-C cable standard: USB 3.1 with E-Marker chip.
2. The power cord may vary in different regions, please refer to the actual product.

II. Product Introduction

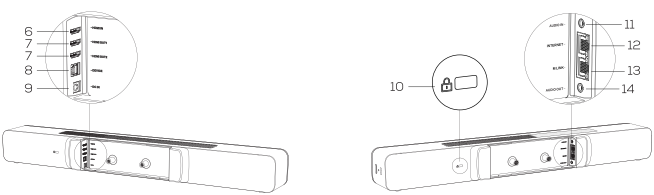
1. XBar V50 Introduction:



Front



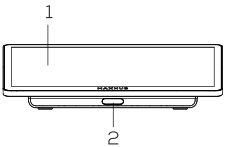
Right



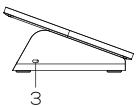
Back

No.	Item	Description
1	Camera	Dual-lens camera with auto privacy shutter.
2	Indicator Light	Indicates the state of the device.
3	Power Button	Press and hold for 5 seconds to restart the device. *Other functions can be customized in the future.
4	Reset Key Hole	Press and hold for 5 seconds to restore factory settings.
5	USB-A (2.0)	1) For firmware update and debug. 2) Connect to IFP for data transmission via a USB B-A cable.
6	HDMI In	4K HDMI Ingest for content sharing.
7	HDMI Out 1/2	To connect to a display or TV.
8	USB-B (Device)	To be used as a BYOD device via a USB B-A cable.
9	DC In	For DC power supply.
10	Kensington Lock Hole	To lock the device via a universal security cable.
11	Audio In	To connect third-party device for audio input.
12	RJ45 (Internet)	For network connection.
13	RJ45 (M Link)	To connect MAXHUB exclusive accessories.
14	Audio Out	To connect third-party device for audio output.

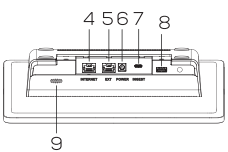
2. Panel AP30 Introduction (Optional):



Front



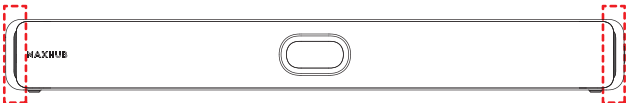
Left



Back

No.	Item	Description
1	Touch Screen	For display and touch control.
2	Motion Sensor	PIR sensor for automatic wake-up.
3	Kensington Lock Hole	To secure the device with a Kensington lock.
4	RJ45 Port (INTERNET)	To connect to the XBar V50.
5	RJ45 Port (EXT)	Reserved for connecting to third-party accessories.
6	DC In Port (POWER)	For power supply.
7	USB-C Port (Ingest)	1. For content sharing. 2. For BYOD. 3. For PD charging (requires DC Power to be plugged in).
8	USB-A Port (2.0)	Only for wireless dongle pairing.
9	Ultrasound Speaker	For transmitting ultrasound signals.

LED Status:

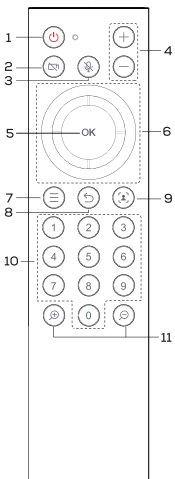


LED Status	Indication
White solid	Power on / Standby / Microphone unmute
Green fast flash (On and Off flash for **0.3s** alternately)	Incoming call
Green solid	In a call
Red solid	Microphone mute
White breathing (White flashing slowly)	Firmware upgrade

Privacy Shutter Status:

System Status	Shutter Status
Power Off	Shutter Close
Power On (Not In Use)	Shutter Close
Power On (In Use)	Shutter Open

Remote Control (Optional):



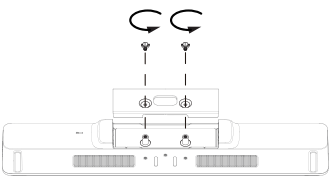
No.	Item	Description
1	Power	Wake up/Sleep.
2	Camera	Turn camera on/off.
3	Microphone	Microphone mute/unmute.
4	Volume +/-	Volume up/down.
5	OK	Confirm.
6	Direction	Adjust the camera angle.
7	Menu	Bring up the sidebar menu.
8	Back	Return to the previous page.
9	Camera AI Mode	To switch between the AI modes: Auto Framing, Speaker Tracking, Smart Gather and Manual Mode.
10	Number/ Preset	1. Number input. 2. Switch the preset position.
11	Zoom +/-	Zoom in/out.

III. Installation

i. XBar V50 Installation:

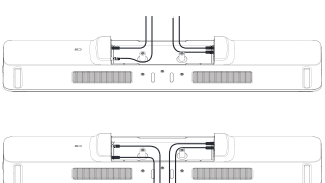
When connecting the XBar V50 to other devices, you need to assemble the cable cover on the back of the V50.

Step 1: Turn the screws D-ring counterclockwise and remove the cable cover.

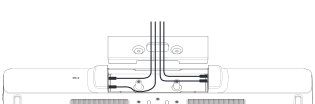


Step 2: Connect to other devices with the corresponding cables and arrange the cables properly.

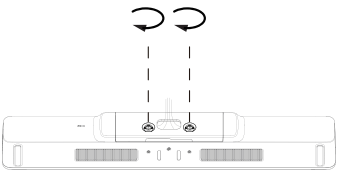
Option A: Align the cables to both sides as needed.



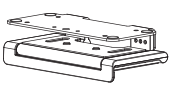
Option B: Route the cables through the cover hole.



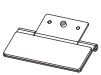
Step 3: Place the cable cover back and turn the screws D-ring clockwise until the cable cover is securely attached to the device.



Before installing the device, please make sure that the following accessories are included in the package:



Mounting Bracket ×1



TV-Clip Mount ×1



a×1

TV-Clip Screw (KM3×6)



b×2

Wing Thumb Screw ×2 (1/4-20)



c×4

Wall Anchor ×4 (6×32)



d×6

Wall Screw ×6 (KA3×30)

For XBar V50, you have four options to install it:

A. Mount to a wall.

B. Mount on a desktop.

C. Mount on a TV or display.

D. Mount on a TV VESA.
(TV VESA Mount needs to be purchased separately)

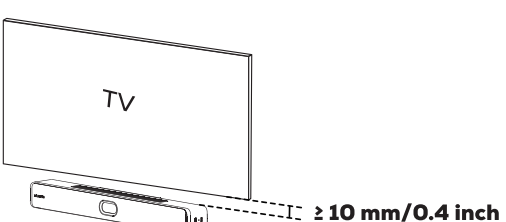
Depending on your needs, you can install the device by following the steps below.

Option A: Mount to a wall

Step 1: Determine the position of the XBar V50

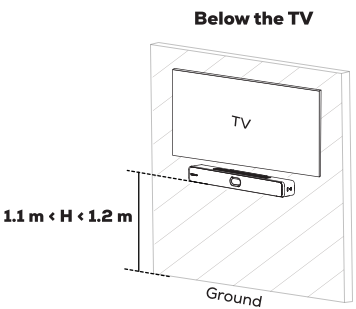
Mounting height affects your camera view. So you need to install U50 at a proper position:

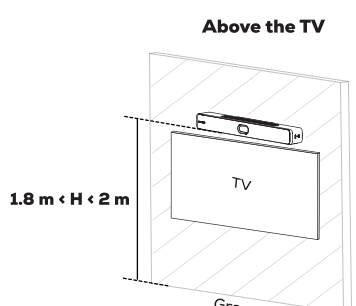
1) Keep the distance between the V5 0 and the TV **at least 10 mm/0.4 inch** (recommended distance: **50 mm/1.97 inch**).



2) Confirm the XBar V50 mounting position according to the installation height.

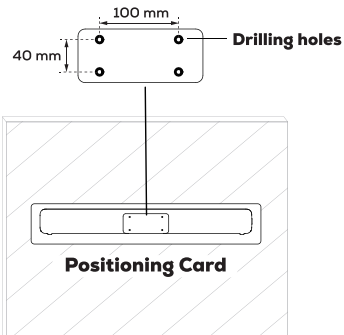
Installation Height	Position
1.1 ~ 1.2 m (3.6 ~ 3.9 ft)	Below the TV
1.8 ~ 2 m (5.9 ~ 6.6 ft)	Above the TV





Step 2: Mount the XBar V50 to the wall

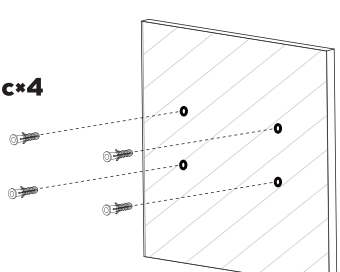
1. Stick the positioning card onto the mounting position and drill **4** punching holes.



Recommended drilling hole size:

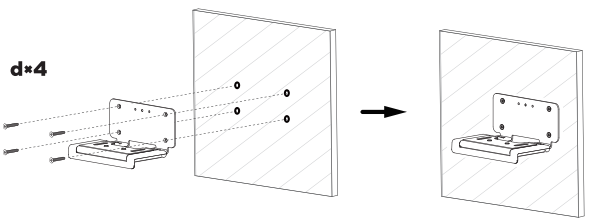
Hole diameter: 6 mm; Hole depth: 32mm;
Hole distances: horizontally 100 mm, vertically 40 mm.

2. Insert 4 pieces of wall anchors **c** into the punching holes.



3 Open the mounting bracket at 90° to the wall, and fix the bracket to the installed wall anchors with 4 wall screws **d**.

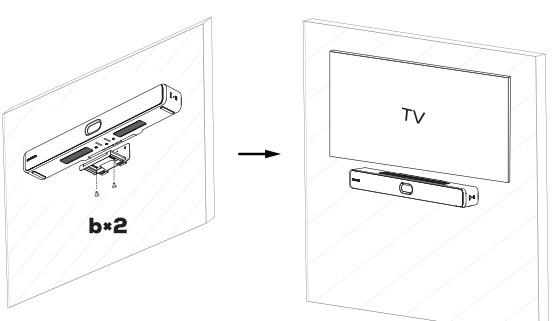




4

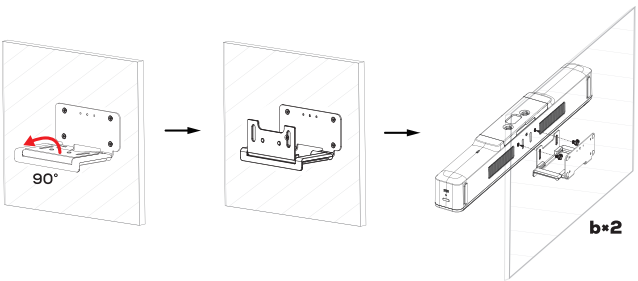
Option a: Mount the XBar V50 **below** the TV.

Attach the V50 to the assembled bracket, and secure with two wing thumb screws **b**.

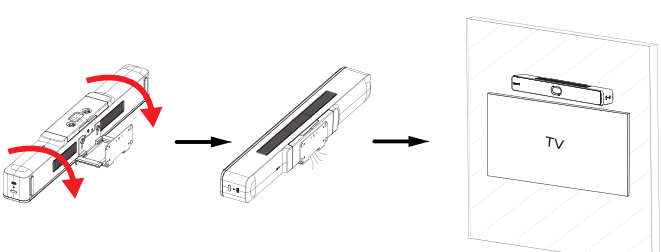


Option b: Mount the XBar V50 **above** the TV.

1) Open the bracket panel at 90° and secure the XBar V50 to the bracket with two wing thumb screws **b**.

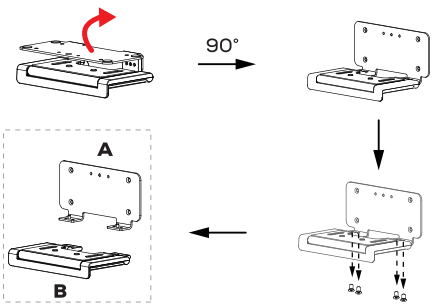


2) Plug in the cables as needed and rotate the XBar V50 down to the bracket.

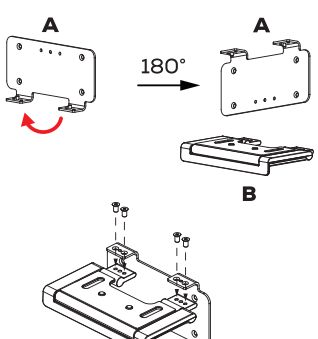


Option B: Mount on a Flat Surface

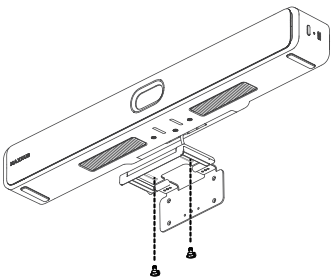
1. Open the mounting bracket at **90°** to the wall, and remove the four screws from the joint to seperate the two parts into **A** and **B**.



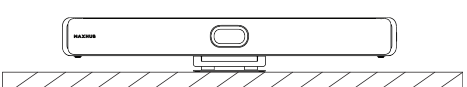
2. Rotate **A** part **180°**, and then insert the four screws back into the joint and tighten them.



3 Attach the assembled bracket to the XBar V50, and secure with two wing thumb screws **b**.



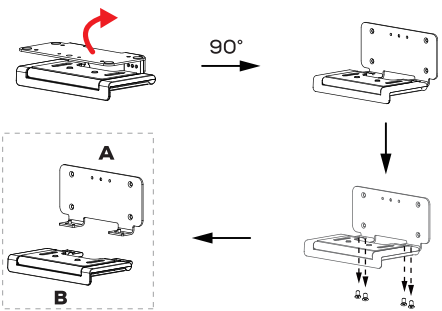
4 Rotate **B** part back **90°** to make sure that the bracket is level with the bottom of the XBar V50.



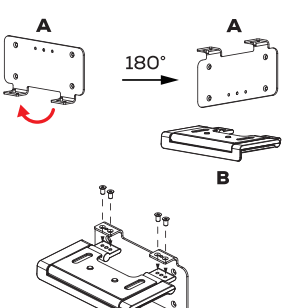
Option C: Mount on a TV or Display

* Step 1-2 is the same as mounting on a flat surface.

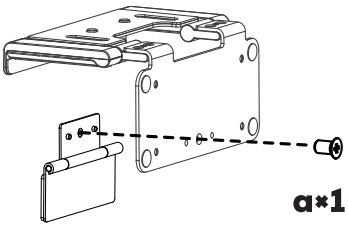
1. Open the mounting bracket at **90°** to the wall, and remove the four screws from the joint to seperate the two parts into **A** and **B**.



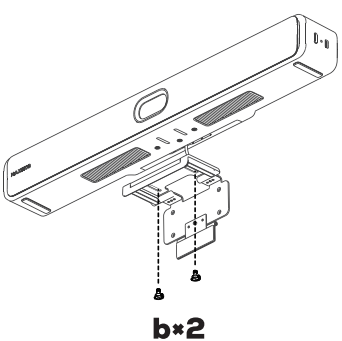
2. Rotate **A** part **180°**, and then insert the four screws back into the joint and tighten them.



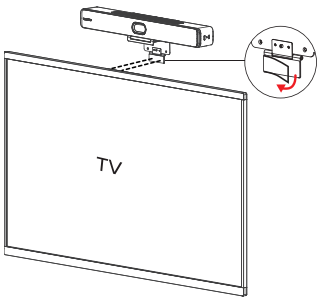
3 Fix the TV-clip mount to the mounting bracket with a TV-clip screw **a**.



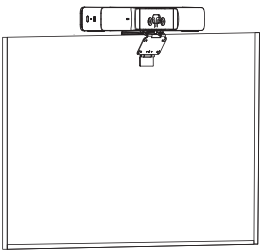
4 Attach the assembled bracket to the XBar V50, and secure with two wing thumb screws **b**.



5 Remove the release film of the double-sided adhesive on the TV-clip mount, and attach the assembled bracket to the back of the TV.



Front

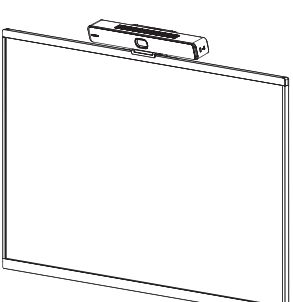


Back

NOTE

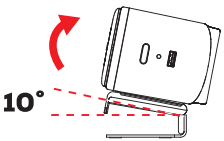
1. Ensure that the adhesive area is clean and oil-free.
2. The adhesive area on the TV needs to be larger than the double-sided tap.

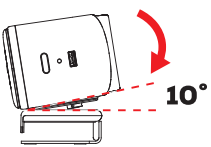
6 Adjust the tilt angle of the bracket as needed.



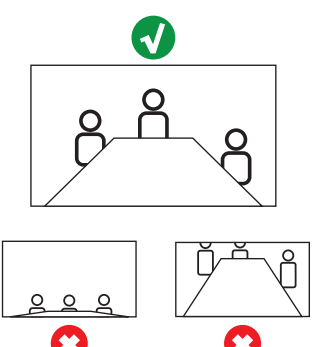
Adjust the Camera Tilt

It is recommended to adjust the bracket angle within 10° up or down for your camera view.



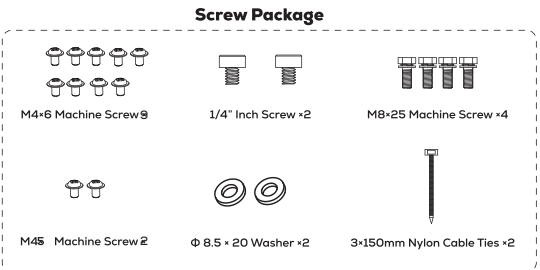


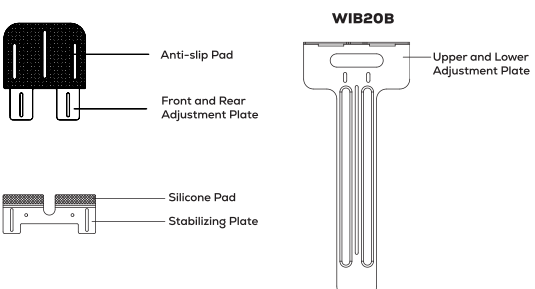
Reference Angle:

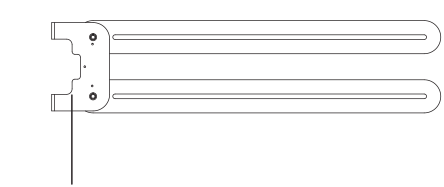


Option D: Mount on the TV VESA (Optional)

1. Please purchase the following accessories seperately before TV VESA mounting:

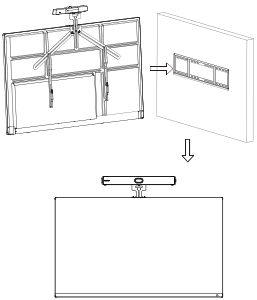




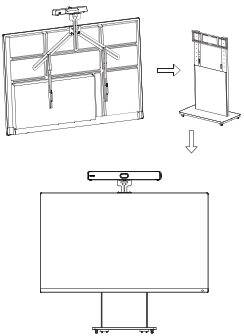


❷ You can mount the XBar V50 **above the display** or **below the display** with the WIB20 bracket:

Above the Display:

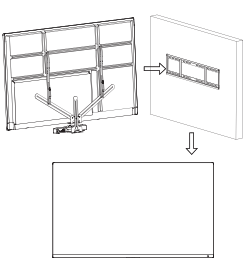


Display mouting on the wall

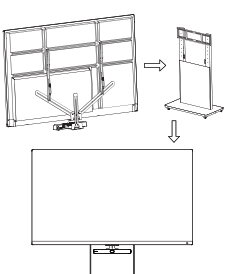


Display mouting on the mobile stand

Below the Display:



Display mouting on the wall



Display mouting on the mobile stand

NOTE

For more information about the mounting steps, please refer to the user manual.

ii. Panel AP30 Installation (Optional):

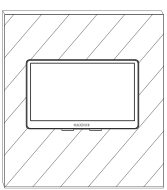
* Wall mounting accessories and screws must be purchased separately.

For the installation of Panel AP30, you have two options:

Option A: Place on a Flat Surface.

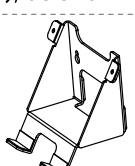


Option B: Mount on a Wall.



Please follow the steps below for wall mounting of the AP30:

Before wall mounting, please prepare the optional wall-mounting accessories and screws first (purchase separately), as shown below:



Wall-mounted bracket ×1
(TCP30WM)



Wall-mounted panel ×1



d×4
Wall anchor
(6×32)

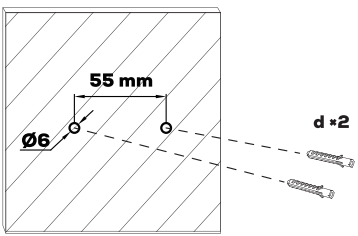


e×4
Wall screw
(KA3×30)

f×4
M2.5×10 Screw

1

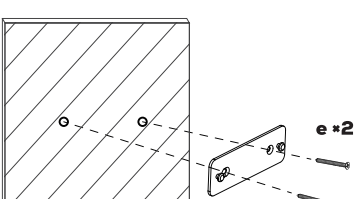
Drill two punching holes based on the wall-mounted panel and insert 2 pieces of wall anchor **d**.



Recommended drilling hole size:
Hole diameter: 6 mm
Hole depth: 32 mm
Hole center distance: 55 mm

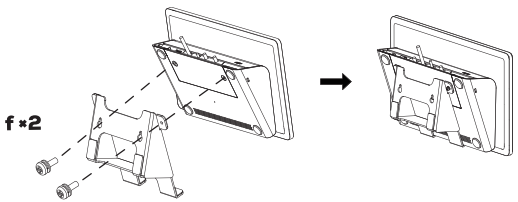
2

Secure the wall-mounted panel to the hole with two pieces of wall screw **e**.



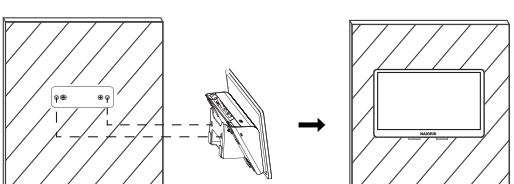
❸

Loosen 2 screws on the back of the touch console, and secure the bracket TCP30WM to the console by tighting 2 pieces of wing thumb screw **f**.



❹

Attach the touch console to the 2 keyhole slots on the wall-mounted panel securely.



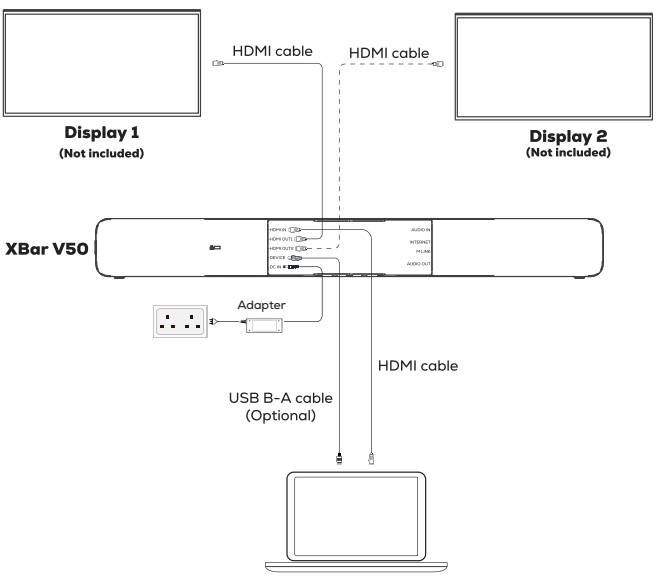
NOTE

This method of wall mounting installation is applicable to walls such as concrete or brick.

IV. Wiring Diagram

Option A: BYOD Mode

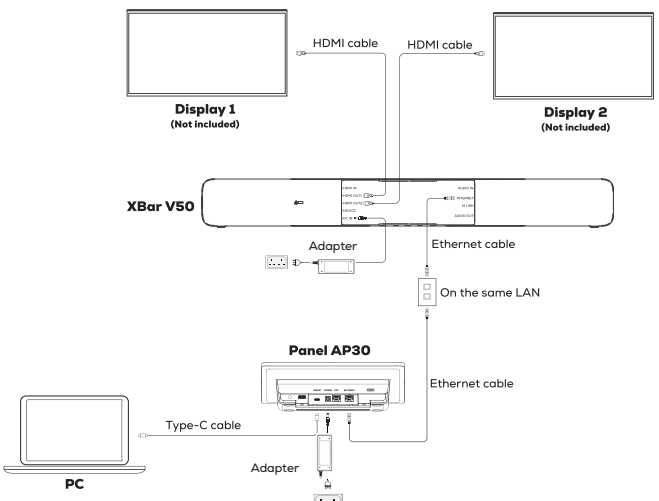
Use a USB B-A cable and a HDMI cable to connect the V50 to your PC for BYOD mode.



Option B: Work as a MTR System

1. LAN Pairing

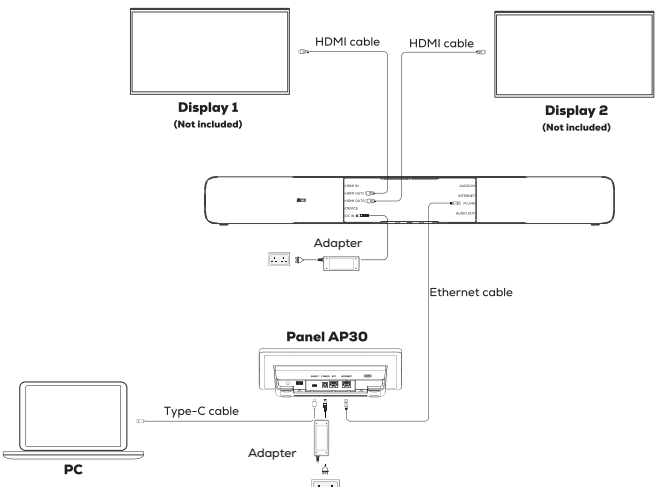
Make sure that the Panel AP30 and the XBar V50 are on the same LAN.



* The function of LAN screen sharing will be supported in future versions.

2. Direct Pairing (M LINK)

Then connect the Panel AP30 to your PC via a Type-C cable for content sharing, BYOD and PD charging.



* For more details about wiring and cabling, please visit the resource center of the official website: https://www.maxhub.com.

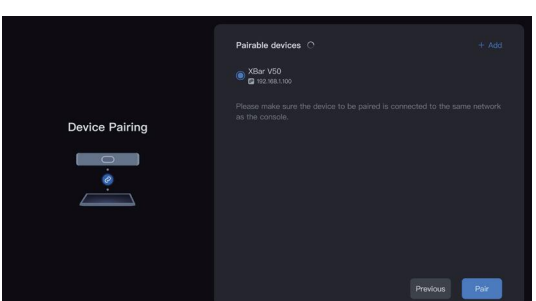
V. Software and Deployment

MAXHUB XBar V50 is a certified system under the Microsoft Device Ecosystem Platform. It is built on the Android Open Source Project (AOSP) that aims to create a standardized and secure platform for Android-based devices, particularly in the video collaboration space.

For the initial setup, you need to initialize **Language, Network, Time Zone, Microsoft Privacy, Administrator Password and Automatic Upgrade**.

Pair with the Panel AP30:

1. Make sure both the XBar and panel are powered on and connected to the same LAN (Local Area Network).
2. On the panel screen, follow the setup wizar and then select the corresponding video bar from the list of pairable devices.
3. Enter the pair code shown on the display to pair with the XBar V50.



Panel screen

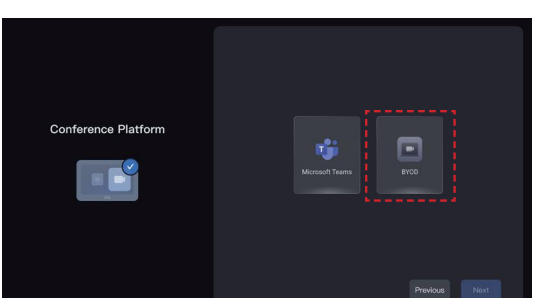


Display screen

BYOD Mode:

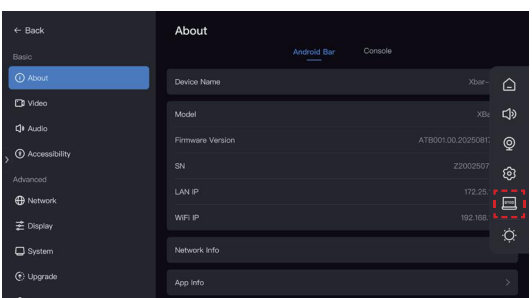
Select the BYOD conference platform first and then connect the video bar to your PC through one of the ways below:

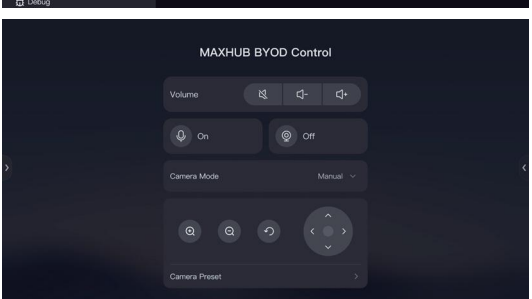
1. Use a USB B-A cable and a HDMI cable to connect V50 to your PC, or
2. Connect the V50 and the panel AP30 to the same LAN, and use a USB-C cable to connect the panel to your PC.





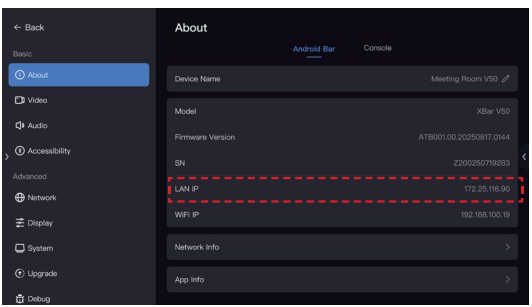
Then you can select BYOD mode on the sidebar, and adjust the volume, mute/unmute, camera mode, zoom in/out, direction, camera preset, etc.

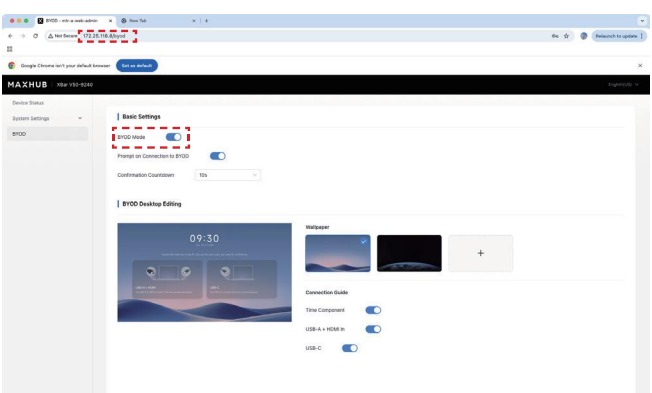




In Teams mode, the BYOD mode is **disabled** by default. So you need to enable this function on the website platform:

1. Go to **Settings -> About -> Android Bar -> LAN IP** to get the IP address of the XBar V50.
2. Enter the IP address of the XBar to log in to the platform.
3. On the **BYOD** page, you can **enable** the BYOD mode.





Restart the Devices:

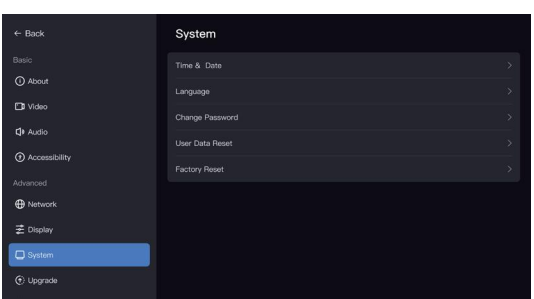
You can restart the XBar V50 and Panel AP30 through the following ways:

- **XBar V50 -** Press and hold the power button for **5 seconds**, and the XBar V50 will automatically restart.
- **Panel AP30 -** Unplug and plug back the power cord or PoE port to restart the Panel AP30.

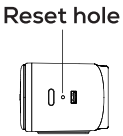
Factory Reset:

You can reset the XBar V50 and Panel AP30 through the following ways:

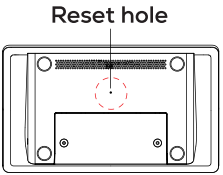
1. **Normal Reset**: You can go to Panel's **Setting - System** to click **Factory Reset**, then both the XBar V50 and Panel AP30 will be reset to default setting.



2. **Hardware Reset**: If you forgot the admin password, you can use a paperclip to insert the reset key holes and hold for 5 seconds to reset the XBar V50 and panel AP30 seperately.



XBar V50



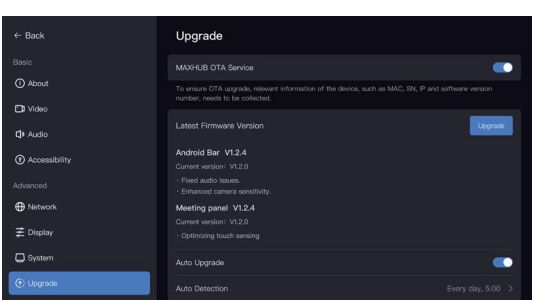
Panel AP30

Firmware Upgrade:

CAUTION

It is necessary to upgrade the device to the latest version to aviod firmware version issues.

1. Go to **System-Upgrade**-Open **OTA service** to check for firmware upgrade.
2. Click **Upgade** to update to the latest firmware version.



* For online upgrade, you can download the upgrade zip. from the resource center of the official website: https://www.maxhub.com.

MAXHUB

