

Preface

MuxMeet Share Base-3 (Model: 500825) is a wireless conference base with one HDMI input up to 4K30 and two HDMI outputs. Wireless input supports up to 4K30. It supports sharing PC content to the display via transmitters, Windows and macOS clients, and native protocols such as Airplay, Miracast, and Chromecast, while supporting wireless connection of compatible USB devices such as webcams and microphones via Windows and macOS clients to PC. Supports dual-screen display and can display 4 devices simultaneously in a multi-view layout. It also has a powerful WebGUI management background through which all these functions can be configured and managed.

MuxMeet Share Base-3 allows users to host a video conference call from their personal device using their preferred conferencing solution (eg Microsoft Teams, Webex, Zoom and many more), Users with iOS devices stream natively via AirPlay, Android users can download the MuxMeet Share app from Google Play, Chrome OS devices stream to the desktop or to tabs directly on a Chrome browser, and Windows and Mac laptop users can download the MuxMeet Share app on their computer from the MuxMeet Share Base-3 unit website. In addition, users can also wirelessly share content with the push of a button if they use an HDMI or USB-C Dongle, models 500880 and 500881 respectively (Dongles sold separately).

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1. OVERVIEW

1.1 MUXMEET SHARE BASE-3

MuxMeet Share Base-3 (Model: 500825) is a wireless conference room product that has been designed to meet today's hybrid workforce's requirement supporting not only local presentations but also allowing the user to collaborate with remote participants.

1.2 FEATURE

- 2x HDMI outputs enabling content sharing from same source or different sources.
- Support up to 4 sources shared in a single screen.
- Support 1080P wireless sharing from Airplay, Miracast, Chromecast,
- WirelessMedia App.
- Working with both 1080P and 4K wireless transmitter.
- Provide 1x 4K HDMI input.
- Provide 1x USB-B port for host PC.
- Support USB cam/mic/speaker transmission over wifi.
- Support 2x camera connection and switching.
- Support USB devices switching between local USB-B and wireless laptops.
- Support display content sharing to remote participant over video conference.
- Provide 2x LAN ports for network isolating between staff and guest.
- Support PoE with LAN port 1.
- Support reverse control of sources from touch screen.
- Provide native annotation and whiteboard tools with both outputs.
- Analogue audio extraction on stereo unbalanced 3,5mm jack connector.
- One channel RS232 can control 3rd party devices or be controlled.
- Provide API commands for RS232 and Telnet control.
- Provide powerful and intuitive web control interface.
- Provide GPI control interfaces with customizable function.
- All data transmitted are encrypted with RSA & AES.
- Support wifi EAP certification. Support customization with home screen page.

1.3 ACCESSORIES LIST

ID	Name	Description
1	Antenna	3 antennas are included in the box. To avoid damage, they are not pre-mounted. The antenna can rotate to maximize signal strength.
2	Power supply adapter	International plug inter-changeable power supply adapter, including plug standards for the US & Canada, Europe, UK, and Australia.
3	Phoenix terminal	1 phoenix terminal on the rear for RS232. Available via download from the
4	User Manual	MuxLab website.

2. SPECIFICATION:

MuxMeet Share Base-3 Specification	
HDMI Output	2×HDMI type A 19-pin female connector
Video Output Resolution	HDMI Main: 3840x2160@60Hz, 3840x2160@30Hz 1920x1080@60Hz, 1280x720@60Hz HDMI Sub: 1920x1080@60Hz, 1280x720@60Hz
Format Compliance	HDMI Main: HDMI1.4/HDMI2.0 HDMI Sub: HDMI1.4
Video Capacity:	3840x2160@30Hz, 1920x1080@60Hz, 1280x720@60Hz
HDCP	HDMI Main: HDCP1.4/HDCP2.2 HDMI Sub: HDCP1.4
Audio Output	1×3.5mm computer audio interface
LAN port	RJ45 x2; 1000Mbps x2
USB interface	USB3.0: typeA x2, typeC x1; USB2.0: typeA x4, typeC x1;
Audio Input	AirPlay, Miracast, Chromecast, Windows/MAC App, WMH, WMC
Control connectors	Phoenix terminal 3.5mm RS232 interface
GPI Interface	Phoenix terminal 3.5mm 2xGPI
Number of window simultaneous on screen	≥4+14 (4 main screens + 14 preview control windows)
Number of simultaneous connections	≥16
Data rate in wireless	Up to 1200Mbps
Video Playback Frame Rate	20-60 FPS
Latency	80ms/min
Wireless transmission protocol	WIFI IEEE 802.11 a/g/n/ac/ax
Frequency band	2.4 GHz & 5 GHz
WIFI Antenna	MIMO 2x2, MIMO 1x1
Dimension (W x D x H)	220mm x 130mm x 34mm; 280mm x 130mm x 34mm (including antenna)
Weight	2.05lbs (930g)
Operating Temperature	0c to +40c
Humidity (Storage / Operating)	20%-90% (non-condensing)
DC Power	12VDC or POE
POE standard	IEEE802.3at
Power Consumption	30W(MAX)

3. PANEL LAYOUT

3.1 MuxMeet Share Base-3 Side Panel

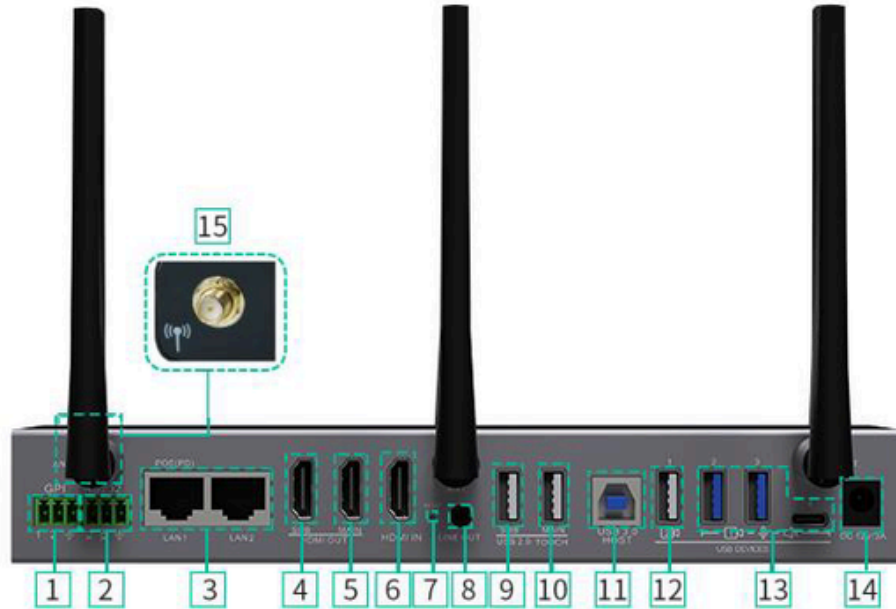


ID	Name	Description
1	Power Button	Turns the device on or off.
2	USB Switch Button	Switch USB devices between “USB-B” and “wireless” host PC.
3	USB 2.0 Port	USB: Used to pair 500880 with 500825 and also can be connected to U disk and mouse. Type-C: For pairing 500881 with 500825.
4	Kingston lock	Used to prevent theft.

Note: Side USB port and Type C port cannot be used at the same time, type C port has priority over USB port.

3. PANEL LAYOUT

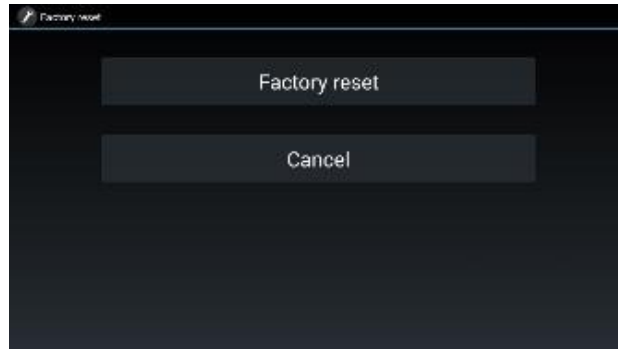
3.2 MuxMeet Share Base-3 Rear Panel



ID	Name	Description
1	GPI	Two GPI inputs, the maximum level supports 5V input, and the function of this input port can be defined through the Web.
2	RS-232	Simple 232 interface, used to receive or send serial port commands to control the machine or other slave devices.
3	LAN Ethernet port:	LAN1: 1000Mbps (supports POE); LAN2: 1000Mbps
4	HDMI sub screen output	Supports up to 1080P.
5	HDMI main screen output	Supports up to 4K@60Hz.
6	HDMI IN input	Supports up to 4K@30Hz.
7	Reset	Press button to restore factory default settings.
8	Line audio output	3.5mm headphone unbalanced stereo analog audio output.
9	Sub screen USB 2.0 touch interface	Used to connect the touch screen from the sub screen.
10	Main screen USB 2.0 touch interface	Used to connect the touch screen from the main screen.
11	USB-B interface	The camera that has been connected to the base unit can be switched through this port and used by other computers such as Room PC.
12	USB 2.0 interface	Connect compatible cameras and microphone devices for video conferencing. It should be noted that if two cameras are connected, one of them must be connected to this port.
13	USB 3.0 interface	Connect compatible camera and microphone devices for video conferencing.
14	DC power socket	Local 12V DC power supply.
15	Antennas	Connect the three antennas provided to use Miracast and built-in WiFi functionality.

3.1.3 Factory Reset

- Start up the Base unit.
- When the *Home Screen* is shown, press the reset button at the rear panel of Base unit. Press this button with a pointed object, e.g., a straightened paper clip until the “*Factory Reset*” page is as shown below, for at least 2 seconds.
- The Base unit will reboot after 3 seconds to the factory default configuration.
- If you do not have a picture, press, and hold the reset button until the red LED in the top panel is lit, to execute the reset.



All previous settings will be lost, and you will need to redo the set-up once again.

Default Configuration

- Wireless Network Configuration:
 - o Wi-Fi Interface Mode: AP(Access Point)MODE
 - o SSID discovery and connection: Yes
 - o Frequency: 5GHZ
 - o Channel: 36
- Ethernet Network Configuration:
 - o LAN1 DHCP: Enable
 - o LAN2 DHCP: Enable
- Advance Setting:
 - o Internet Access setting: Allow network bridging to LAN 1
 - o Auto Change Password: 5 minutes
 - o Connection Password Mode: 4-digits password beginning with 0000

- Display & Audio
 - o HDMI Resolution:
 - Main: Auto
 - Sub: Auto
 - o HDMI CEC:
 - Control Base by Display: OFF
 - Control Display by Base: OFF
 - o Audio output: Jack&HDMI
 - o Audio Volume: 100%
 - o Maximum number of split-screen views: 4
 - o Dual-display Output Mode: Mirroring
 - o Airplay:
 - Enable Airplay: ON
 - Airplay Screen Quality: HIGH (1920x1080)
 - o Miracast:
 - Enable Miracast: ON
 - Enable MS-MICE: OFF
 - o Google Cast:
 - Enable Chromecast: ON
- Home screen
 - o Digital signage: OFF
 - o Start Screen:
 - Show the base device name and password when mirroring: OFF
 - Show PCs user name when mirroring: ON
 - Hide IP when using a background image other than the default one: OFF
 - The source video appears on the home screen immediately when connected to the HDMI IN port: ON
 - o Shortcuts settings:
 - Display “Security Level” icon: ON
 - Display “Download” icon: ON
 - Display “Information” icon: ON
 - o Sidebar Control: Large menu (show preview windows)

- Device Control
 - o Telnet Control: ON
 - o Serial Control: ON
 - o Function: Receive Command Data
 - o GPI Definition:
 - GPI 1 function settings: USB Channel switching
 - GPI 2 function settings: USB Channel switching
 - o Transmitter button function settings: USB Hub switching

- UCC-Device Manager:
 - o USB Hub switching: Auto

- System settings
 - o Date & time: Use time server(online)
 - o Language: English
 - o Auto Standby: Never
 - o Timing Reboot: OFF

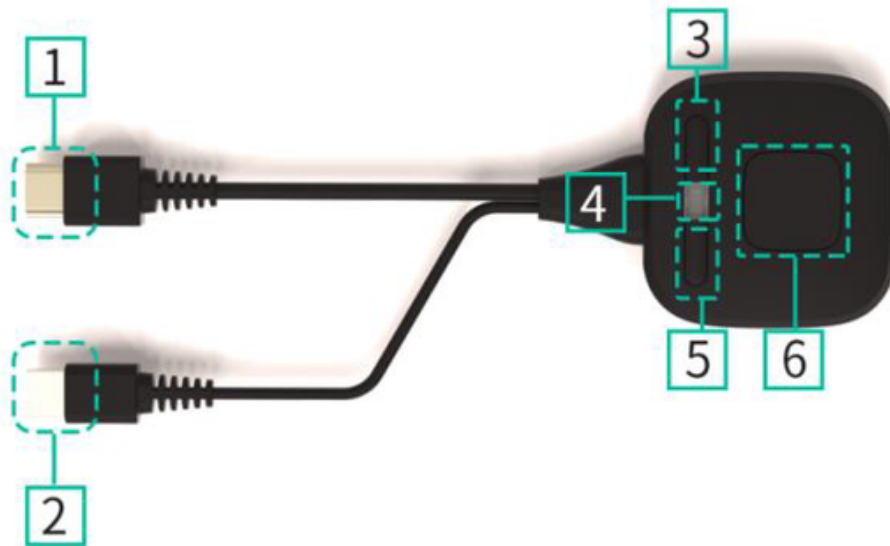
- Security Settings
 - o Security Level: Level 1

- Other settings
 - o Auto create launcher: Disabled.
 - o Clear history after meeting: Always.

3.1.4 Dongle Side Panel

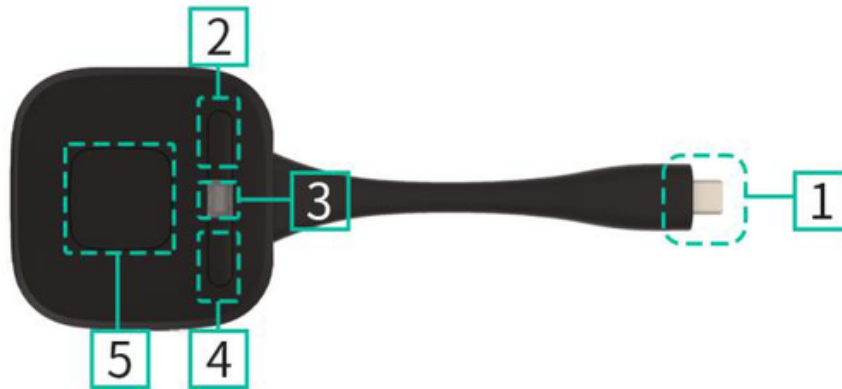
MuxMeet Share Dongle-H2 (model: 500880) and MuxMeet Share Dongle-U2 (model: 500881) are used for toggling the mirroring from personal PC or MAC desktop onto the main screen.

MuxMeet Share Dongle-H2



ID	Name	Description
1	HDMI connector	Using HDMI connector of the button can be plugged into a PC/Laptop for sharing your screen.
2	USB connector	Supply power or plug into the 500825 for pairing the Button to the 500825 or upgrade the wireless transmitter.
3	Auxiliary button 1	Freeze the image shared on the screen, press again to release.
4	LED ring indicator	Indicates the status of the button.
5	Auxiliary button 2	Customize the key function, for example different cameras switch.
6	Main Button	Click the button to start displaying the content of the PC/Laptop's display on the screen. Click the button again to stop the sharing.

MuxMeet Share Dongle-U2

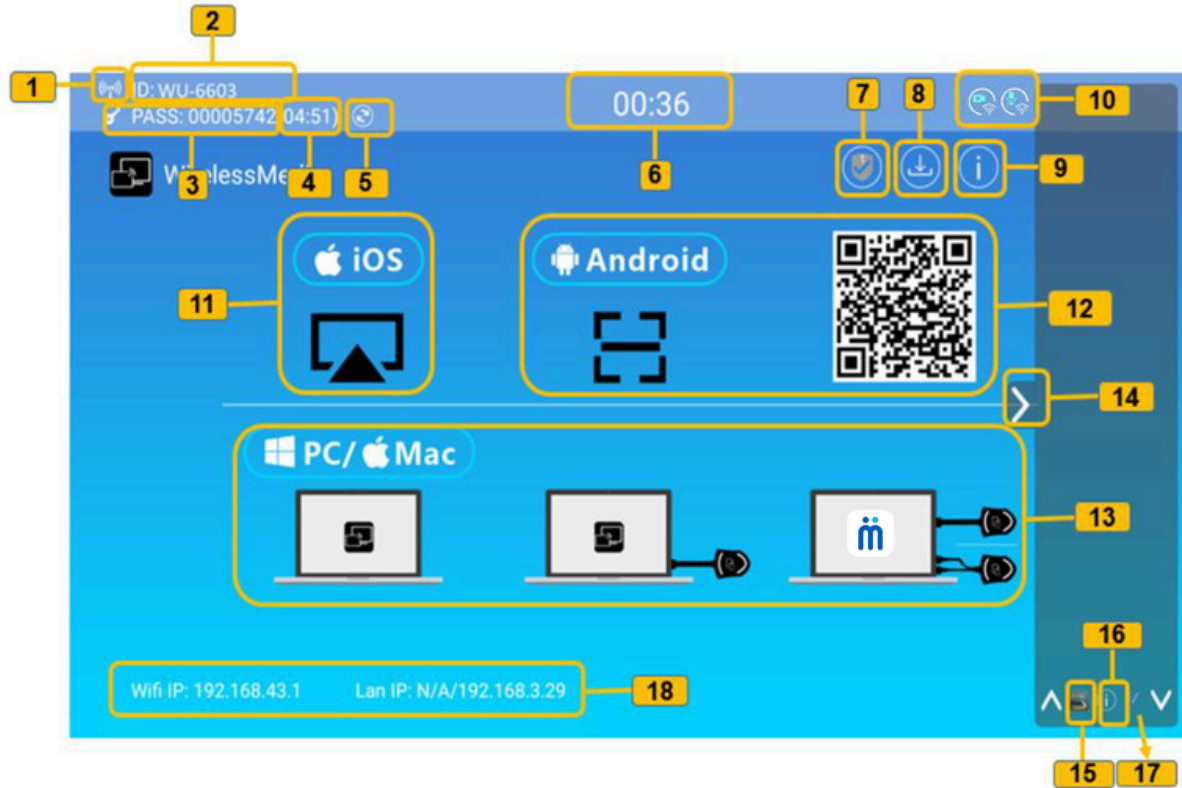






Note: MuxMeet Share Dongle-U is a full function type-C interface with DP Altmode inside, which supports Audio and video transmission. Thus, the PC's type C connector also requires a full function type C connector for mirroring the screen.

ID	Name	Description
1	Type C (DP)connector	Using Type C (DP) connector of the button can be plugged into a PC/Laptop for sharing your screen.
2	Auxiliary button 1	Freeze the image shared on the screen, press again to release.
3	LED ring indicator	Indicates the status of the button.
4	Auxiliary button 2	Customize the key function, for example different cameras switch.
5	Main Button	Click the button to start displaying the content of the PC/Laptop's display on the screen. Click the button again to stop the sharing.

3.2 SOFTWARE INTERFACE

3.2.1 Home Screen



ID	Name	Description
1	Wi-Fi Indicator	<p>  Wi-Fi Direct mode: internal access point is enabled </p> <p>  Wi-Fi Infrastructure mode: “Client-Mode“ Wi-Fi connection to router is established, icon displays the current signal strength. </p> <p>  A secure Wi-Fi connection is established, or connection to a router failed: </p> <p>  Wi-Fi is not available: </p> <p> LAN Infrastructure mode: access point is disabled </p>

2	ID	Wi-Fi SSID name or device name of the Base-unit access point.
3	PASS	Wi-Fi password of Base unit.
4	Password-timer	Only displayed when timer is active; time until the password is changed automatically.
5	Refresh Wi-Fi-password	Generate new password manually for securing your Wi-Fi network.
6	TIME	Show time, if LAN has access to a time server; even after disconnecting the LAN connection the time is displayed until the device has been disconnected from power.
7	Security level	Security level 1-3, display ONLY; the security features of the displayed level are displayed in detail by clicking on the icon; the settings can only be changed by the administrator in the webserver console setting menu.
8	Download Button	Creating & upgrading Launcher “MuxMeet Share“ for Windows, MAC to USB stick.
9	Info	Show status-bar (1) – (7) in Home screen showing/hiding
10	Camera and microphone icon indicator	Once MuxMeet Share Base-3 connected with USB camera or microphone, the icon will show up accordingly.
11	iOS Quick Start	Indicates that mobile devices with iOS technology can use AirPlay to send content to the main screen.
12	Load “MuxMeet Share” App from Store	Scan QR-code for Android device and download the App from the GooglePlay Store.
13	Windows / MacOS Quick Start	Steps to instruct how to transmit PC/Laptop onto the main screen. First-time users must first install the starter program from the web page or from the USB stick upon first use.
14	Preview function of the screen contents of the participants with transmitter and mobile devices; White Board & Annotation function icon	Preview function of the screen contents of all connected transmitters and mobile devices; White Board and Annotation function.
15	White Board icon	Whiteboard function
16	Info	Click to show ID and password when mirroring.
17	Annotation	Annotation function.
18	Wi-Fi IP LAN IP	<ul style="list-style-type: none"> • Wi-Fi IP: address of Base unit in wireless LAN • Assigned IP: address of Base unit in LAN; “N/A” = no connection to network

4. INSTALLATION

The installation chapter gives an overview of the different ways to install and connect MuxMeet Share Base-3 unit.

Overview:

- Installation methods for the Base unit
- Table mounting
- Wall mounting
- Recommendations about antenna placement and orientation
- MuxMeet Share Base-3 Power Connection
- MuxMeet Share Base-3 Video Connection
- MuxMeet Share Base-3 Audio connection
- MuxMeet Share Base-3 LAN connection
- About USB device connection
- Wiring Diagram

4.1 INSTALLATION METHODS FOR THE MUXMEET SHARE BASE-3 UNIT

The Base unit can be installed in different ways in a meeting room.

- Table mount
- Wall mount

The articulated antennas are removable. They can rotate for better wireless connection.

Attention: For optimal performance, install the Base unit close to the display and avoid obstacles between the Base unit and the Transmitters.

Necessary tools

- A drill (type of drill depends on the type of wall)
- The mounting screws (mounting screws not included in the package)

Necessary parts

- 2 mounting screws (the screw-head diameter shall be within 6-8mm)

How to install

1. Drill two holes in the wall. Horizontal distance: 177 mm \pm 0.15
2. At the bottom of Base Unit, turn in 2 flat screws into 2 holes of its smallest diameter to be fasten enough.

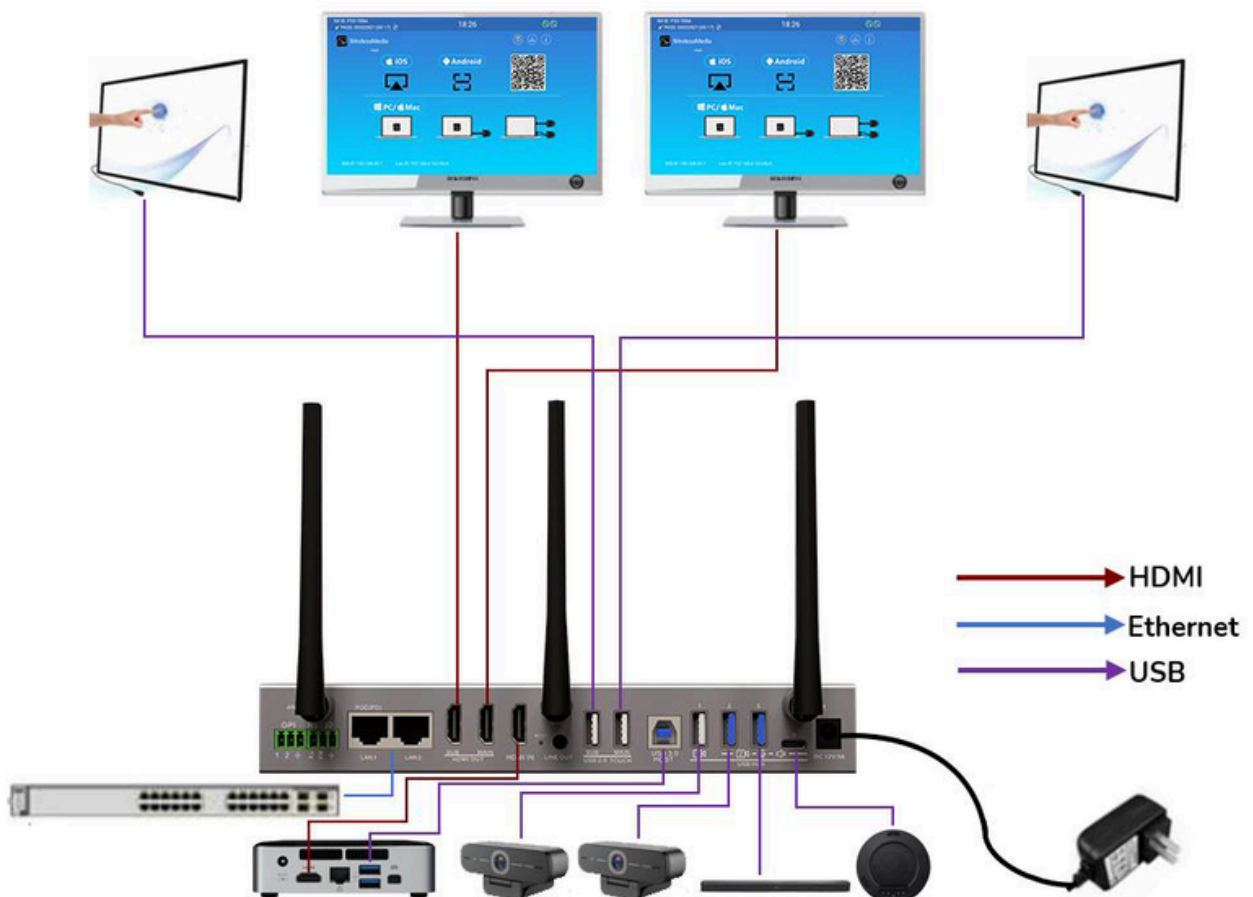
Note: Mounting screws are not included. The type of screws depends on the type of wall (stone, wood, plasterboard, ...) you are mounting the Base Unit to. Make sure the head of the screw is not larger than the hole in the bottom of Base unit.

- Place the MuxMeet Share Base-3 on the wall and align the Base unit to the 2 screws.

Antenna placement rules

- The antennas should be oriented vertically, meaning perpendicular to the ceiling and parallel to the walls.
- The antennas should be installed far enough (at least 50cm/1.6ft) from metallic surfaces to avoid unwanted reflections and far enough (at least 1m/3.3ft) from other radio equipment that operates in the same frequency range, e.g., other Wi-Fi access points, cordless telephone, microwave ovens, etc. It is also best to install antennas at least 15 cm (6 inches) from concrete walls.
- The most favorable situation is a direct line of sight between antennas and transmitting devices and Dongles. Any obstruction will cause the signal to follow a longer propagation path, which can result in performance degradation.
- Due to the particular radio pattern of the dipole antennas, the antennas should not be placed just above potential positions of users. As a result, the advised position for the antennas is at the side of the meeting room.

4.2 WIRING DIAGRAM

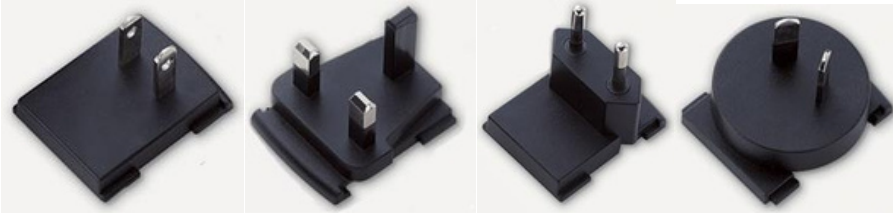


4.3 POWER CONNECTION

The Base unit can be powered by the external universal power adapter.

How to connect the external power adapter

1. Plug the power connector to the power adapter to the power input connector of the Base Unit
2. Choose the appropriate power plug (US, UK, EU, or AU) to be installed on the power adapter,
3. Connect the power cable plug into the wall outlet.



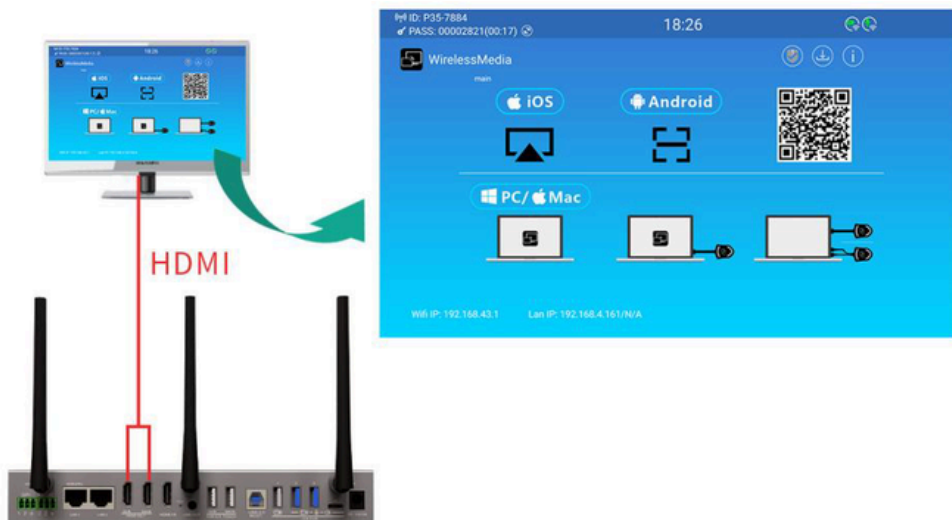
Note: Once the Base Unit is powered it is recommended to use the **POWER** button on the front of the Base Unit to switch ON or OFF.

Power over Ethernet

If the LAN Ethernet Switch supports PoE (Power over Ethernet), it can be used to power the Base-unit instead of using the external power adapter. (MuxMeet Share Base-3 LAN1 Port supports PoE.)

4.4 VIDEO CONNECTION

1. Connect the HDMI Output of the Share Base to a 4K or Full-HD display by a HDMI cable.
2. After starting up, the system displays the home page, as shown below.

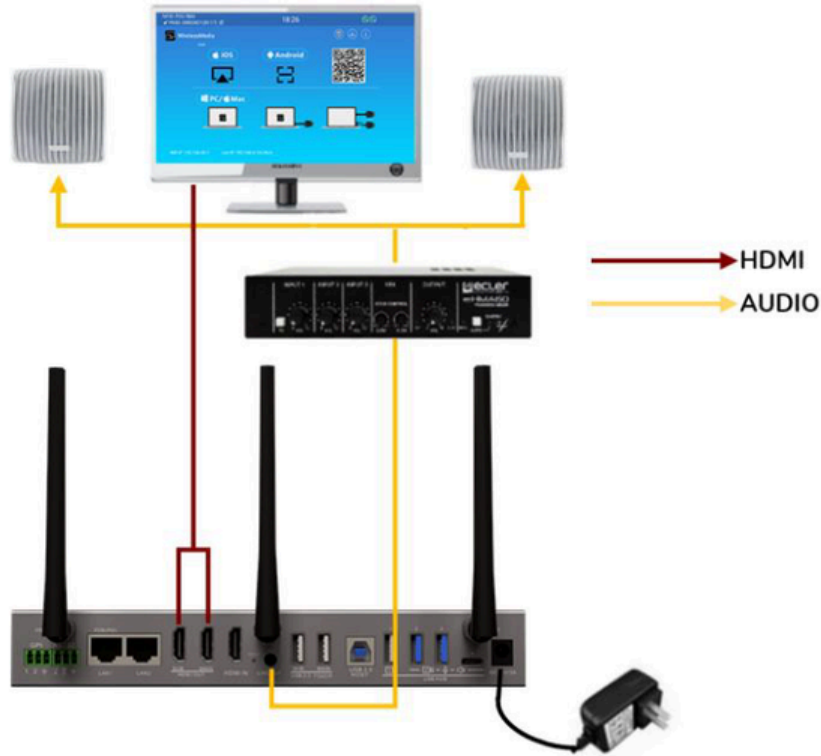


4.5 AUDIO CONNECTION

MuxMeet Share Base-3 and Dongles can transmit the audio output of the PC/Laptop, to the Base Unit together with the video signal. The audio will be output at line levels from the mini 3.5mm connector and via the HDMI output connectors simultaneously. It's up to the user to decide whether or not to send the audio signal together with the video signal.

How to connect separate audio

1. Connect an audio cable with a 3.5mm connector into the audio of the Base Unit
2. Connect the other end of the cable to the meeting room's sound system.



Sound is not sent out

1. Please be sure the button of the Dongle is solid green, and the PC/Laptop is sharing on the screen
2. Check Settings configuration to adjust the Volume set on the web interface of the Base unit.

PC/Laptop Sound

By default, when sharing content, the PC/Laptop's internal speaker will be muted and audio will be routed to the Base unit to avoid repeating the Audio.

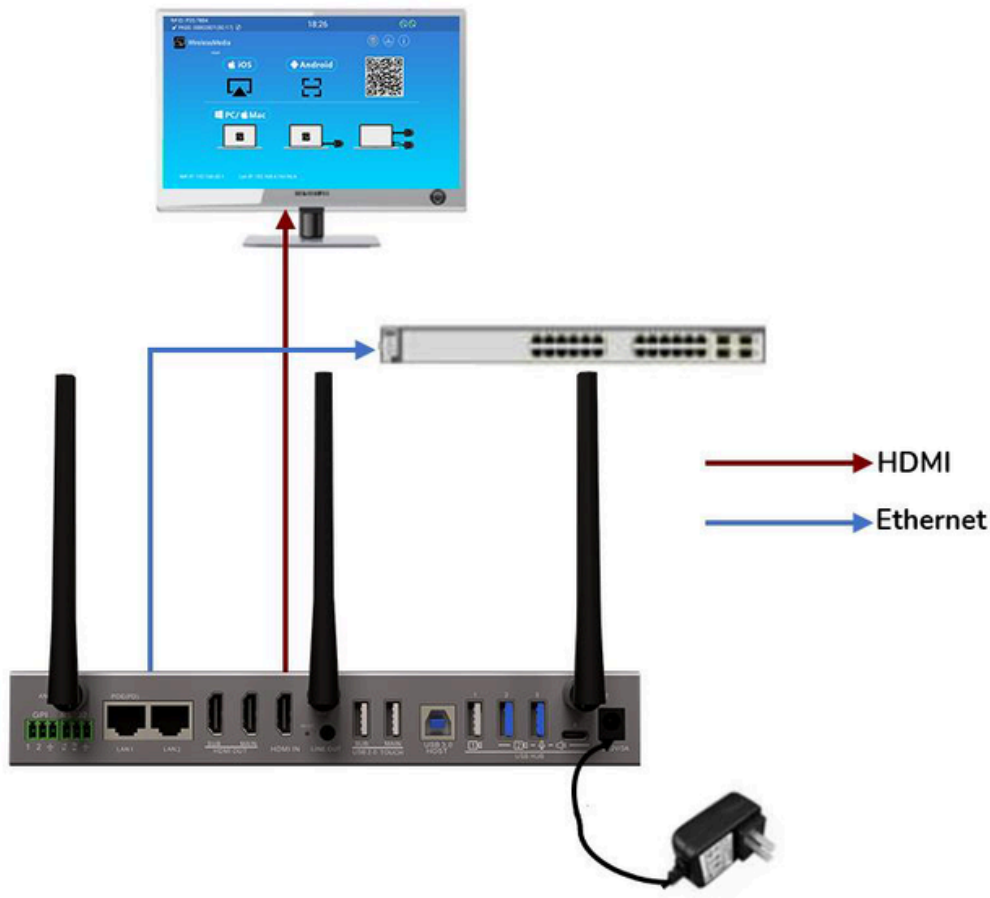
When clicking the button to stop sharing locally, the PC/Laptop internal speaker will return to its previous status, and you can adjust the volume from your PC/Laptop.

Note: If you want to keep the PC/Laptop internal speaker ON while also routing the audio to the Base unit, please click the audio mute icon in the status bar to un-mute the PC/Laptop internal speaker.

4.6 LAN CONNECTION

The Base Unit can be connected to a local network or directly to a PC/Laptop. For normal operation a LAN connection is not necessary. When needed, it's suggested to connect the MuxMeet Share Base-3 to the Internet.

1. Connect a network cable with RJ-45 connector into the LAN port of Base Unit.
2. Connect the other end of the cable to LAN.
3. If the LAN Ethernet Switch supports PoE (Power over Ethernet), it can be used to power the MuxMeet Share Base-3, instead of using the external power adapter.



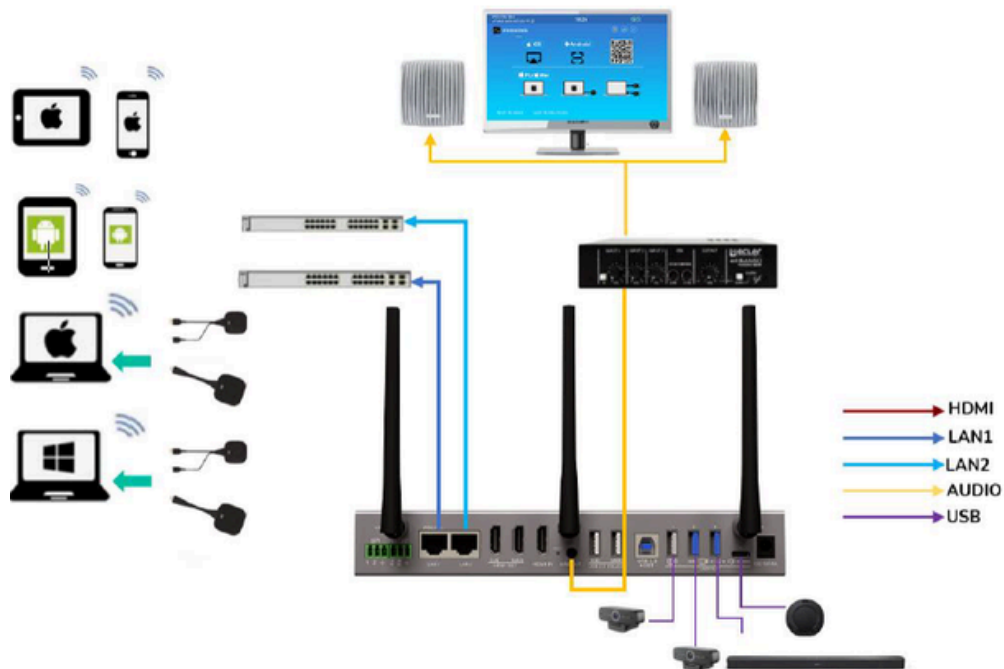
The LAN connection can be used for:

- Network integration of Base Unit in guest or company network.
- Telnet control of the Base Unit.
- Maintenance purposes.

4.7 USB Control Devices Connection

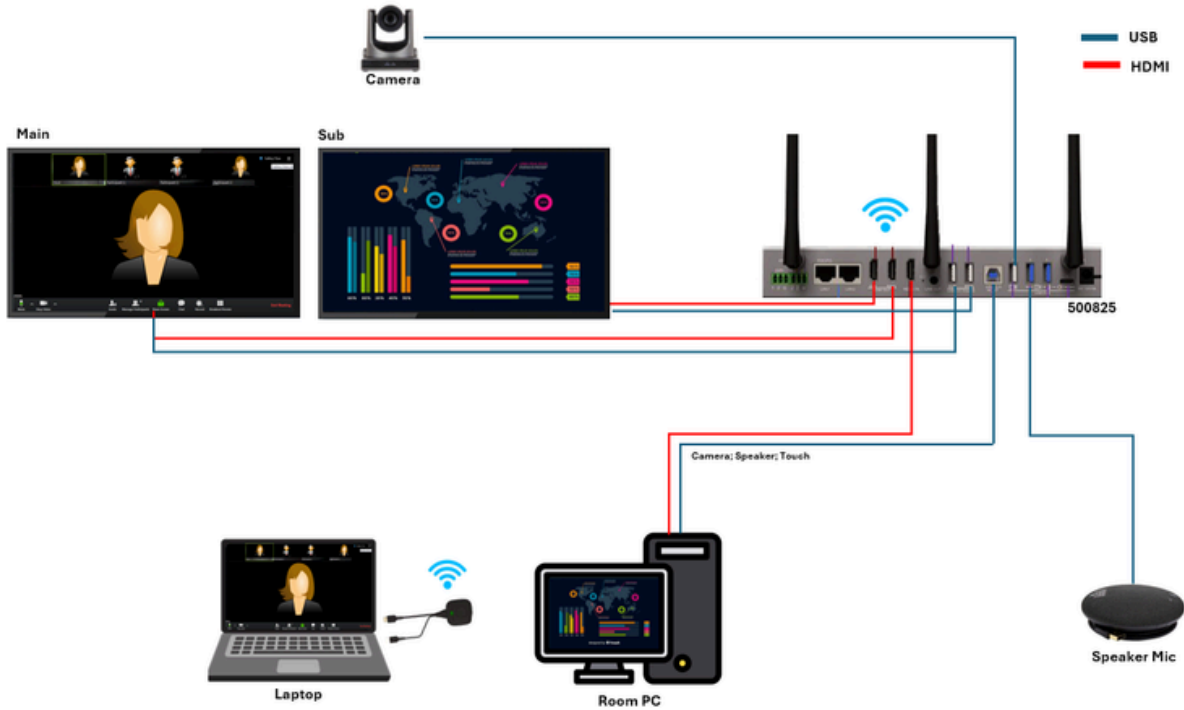
If the user connects an USB Mouse or Touchscreen, the following features will be available:

- Moderator tab to manage the active users sharing content with the 500825
- Whiteboard or annotation during a presentation.
- USB-HID function for laptop control and click function of a touchscreen:
 - USB Mouse:
 - Single click select.
 - Right-click to back to the Home Page.
 - Touch Screen:
 - Click to select.
 - Long Press to open the contextual menu.



4.8 USB Conferencing Devices Connection

500425 supports two sets USB Camera and USB Speaker & Microphone over WiFi sharing to start meetings with conferencing software's such as Skype, Zoom, Microsoft Teams, etc.



- It can choose and use USB-B or Wireless two mode to do the communication with USB camera and USB Speaker & Microphone that is connected to the 500825 base unit.
- When the base unit is on Wireless mode and there are two USB cameras connected, it can switch between different cameras to use by dongle button, WirelessMedia application, Web GUI.
- The WirelessMedia application must be open on the computer when it is going to do the video conference via Wireless mode even though it is using the transmitter.

5. Pairing 500880 and 500881 with base unit

Connecting 500880 (HDMI wireless transmitter) to USB Type A port or 500881 to USB Type C port will start pairing process automatically. They should be connected one at a time.

Attention: A transmitter can only be paired to one base unit and will always reconnect to the one that was last paired to.



Once a transmitter is plugged, a message indicating that wireless transmitter is booting will be displayed.



After completing the pairing, the message table displays “Succeeded to pair!” on the home page, as shown. Then, the transmitters can be unplugged and used for screen sharing content.



Attention: If error-message “Configuration fail” is displayed, check the connection of USB/type C to keep stable after plug-in and try again.

Attention: After changing the SSID / WiFi channel in Web GUI settings menu, all the transmitters must be paired again. Transmitters that need assigning to another 500825 base unit must be paired again.

5.1.1 Wireless Presentation Mode

500425 can be used to wirelessly share the screen of AV sources. 500425 can mirror 5 sources onto main display simultaneously, which supports PC/Laptop and mobile devices.

5.2.1 Screen Sharing using 500880 and 500881

1. Pair 500880 or 500881 to 500825 base unit, see chapter Pairing 500880 and 500881 with 500825.
2. Plug 500880 to the USB-A port or 500881 to USB-C port of the device that is going to share its content.
3. LED indicator will show static green when ready. Click the center button will start wireless presentation and LED indicator will show static red.
4. Click the center button again will stop wireless presentation and LED indicator will go back to static green.



500880



500881

5. When LED is static red, the content is mirroring to the main screen connected to the 500825 base unit.



500880



500881

5.2 Screen Sharing using WirelessMedia Desktop Application

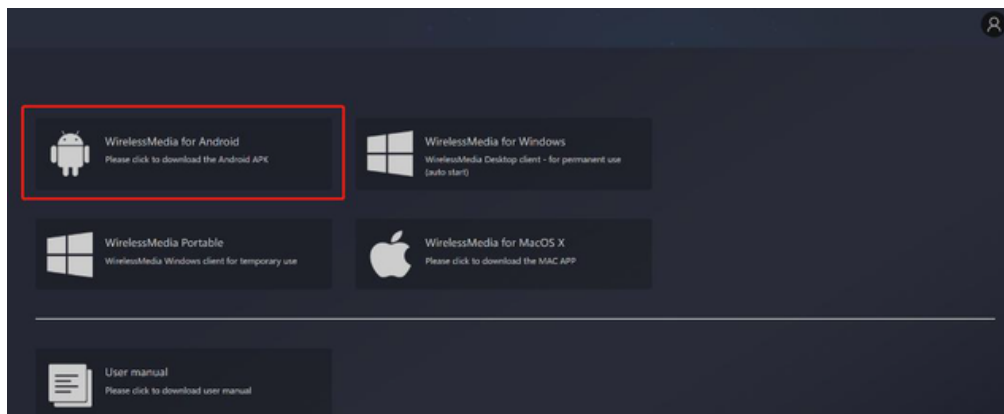
MuxMeet application is the launcher that lets the user screen share content with 500825 base unit wirelessly from any source device which hosts it (mac, PC...). Just copying the launcher to the internal storage will let the user run WirelessMedia application.

- **Setting up WirelessMedia**

There are two ways of getting WirelessMedia desktop app:

1. Downloading from WEB page

Application can be downloaded from the website by connecting the device (laptop / Android) to the same network as the 500825 controller and enter to the IP of the unit with any web browser



2. Automatically create startup programs

By connecting the USB flash drive and clicking the download icon on the home page, the application can be downloaded to the root directory of the USB flash drive and then copy to the computer.

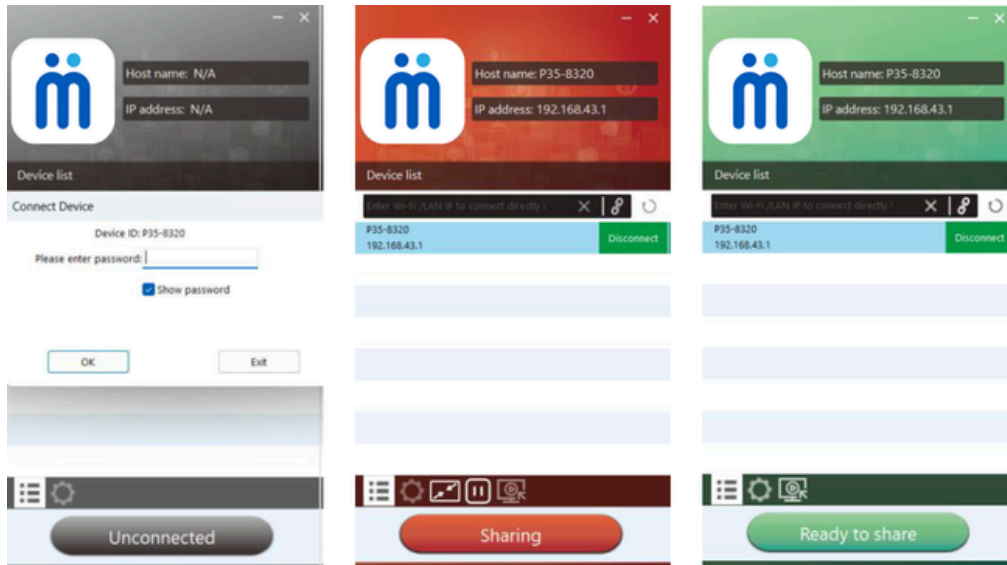
Attention: The first time that user connects laptop with 500825 over WiFi, when the application detects that unit is connected to camera, mic&speaker, it will pop out the message bar indicating to install a virtual driver to activate USB over WiFi function.

Attention: The virtual driver is only for video conferencing, user can normally mirror desktop without it installed. If the 500825 is not connected with camera, mic&speaker, it will not pop out message to install driver, user could mirror desktop as well.


- **Starting and Operating WirelessMedia application**

Once WirelessMedia app is copied into the local storage of the Laptop, it is ready for use.

1. Open WirelessMedia application on the source device. The available 500825 switcher will show if source device and the switcher are on the same network.

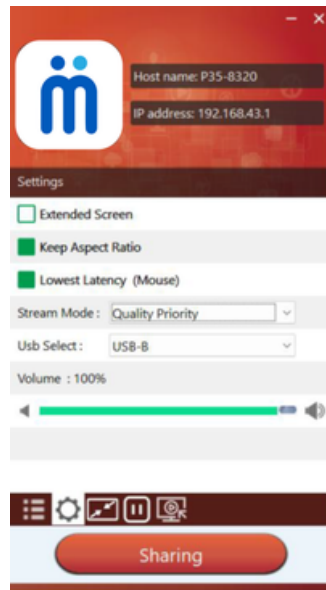


2. Connect the laptop to WiFi network displayed on the Home Screen (“Guest”, “Staff”), or connect to the LAN on the network using a network cable.
3. Double-click the WirelessMedia application. A list of all available 500825 base units in the same network will be displayed. select the device to connect to. The connections are password protected (lock icon).
4. Enter 500825 password and click “connect”, the system is ready to share.

Note: Manually connection by entering the name (SSID) or IP address is also possible if base unit is not appearing. (click icon). 

5. WirelessMedia app layout will turn to green. Clicking “Ready to share” will start sharing content with the main display connected to the 500825 output. When window colour is static red, the desktop is mirroring to the main screen.
4. Clicking “Sharing” will stop sharing content. Window colour is static green again.

- **WirelessMedia Settings**



1. **Device List** 

2. **Settings** 

- **Extended Screen:**

Transfers extended desktop of active source.

The primary screen (1) is displayed on the laptop and the virtually extended screen (2) is displayed on the main screen. If the PC has already connected an extended screen (3), the extended screen (2) will always be displayed on the main screen.

For the first time use of function “Extended Screen”, click the “Extended Screen”, will pop out a message to indicate the installation of the “ExtendedDisplay” driver. Click “yes” to continue, once installed, the Extended screen function is ready to use.

Note: If Extended Screen feature is selected, Windows automatically switches to “Extended Mode”. If you stop the transfer with “WirelessMedia” (Pause), Windows remains in " Extended Mode" until pressing "Windows key + P" on the laptop to select the "PC screen only" mode.

Attention: In macOS, Extended desktop (“Use a Separate Display”) only via AirPlay, when activated for Display on WirelessMedia app.

- **Keep Aspect Ratio:**

This parameter will apply the original aspect ratio of the main screen.

- **Lowest Latency (Mouse):**

The setting is applied individually on every WirelessMedia host device only. The shape of mouse-pointer is equal to the shape in the application used. This parameter significantly improves the mouse response (approximate latency is under 20ms).

- **Stream Mode:**

This parameter will adapt the performance to fit the desired application:

- o **Fluency Priority:** (Default) Image transmission delay is small, image resolution will be lower, suitable for PPT presentation mode.
- o **Quality Priority:** The image resolution is relatively high, but when the image content is complex, the transmission delay will be relatively larger, suitable for watching video.

- **Usb Select:**

- o **USB-B:** (Default) the USB camera/mic/speaker are switched to the USB-B host PC.
- o **WirelessMedia:** the USB camera/mic/speaker are switched to the wireless host PC.

- **Volume Slider:**

This parameter will adjust the playback volume of the main screen when presentation mode is in use.

Attention: Not available in macOS

3. **Full Screen**

By clicking full screen icon on PC UI interface, or long press the wireless transmitter, the content will be full displayed on screen. Click or short press again, will get the screen back to quad view mode.

4. **Screen Freeze**

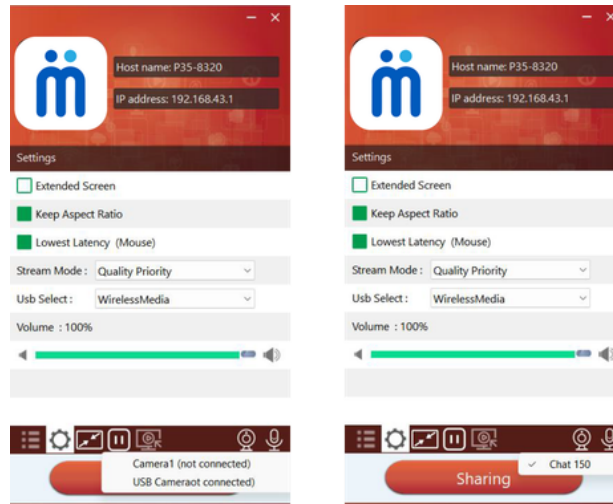
By clicking the screen freeze icon on the interface or pressing the transmitter left button, the screencast content will be frozen. it will cancel the freeze by clicking again.

5. **Screen Capture**

By clicking the screen capture icon on the interface, the screen capture window will open, and you can see the content of the main screen or sub screen.

6. Camera & Mic (Option)

When insert the camera & Mic device into the base unit, the corresponding icon will be shown on the software UI. If there are 2 sets camera & Mic devices connected with the base unit, it can use the mouse to click the icon to choose the camera & Mic that wants to use.



5.3.3 Screen Sharing using Airplay

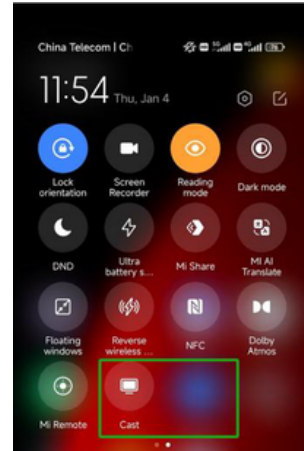
On iOS and macOS devices a user can stream his screen or sound wirelessly to 500825 base unit via Airplay protocol.

1. Connect the iOS or macOS device to the same WiFi network that 500825 is connected too.
2. Show the control centre. Click the Airplay icon on your iOS and macOS device and select the target 500825 to start sharing content with the 500825.

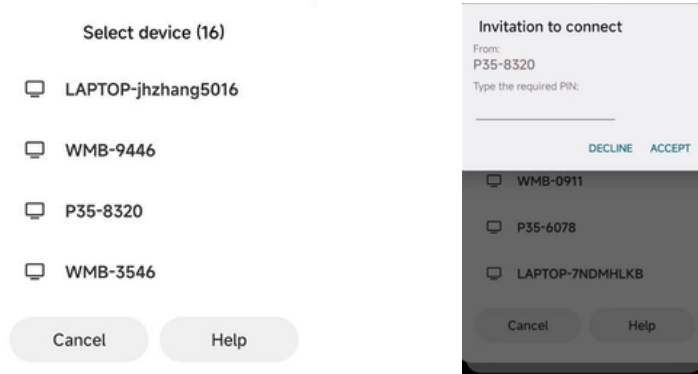
5.3.4 Screen Sharing using Miracast

- **Android Devices**

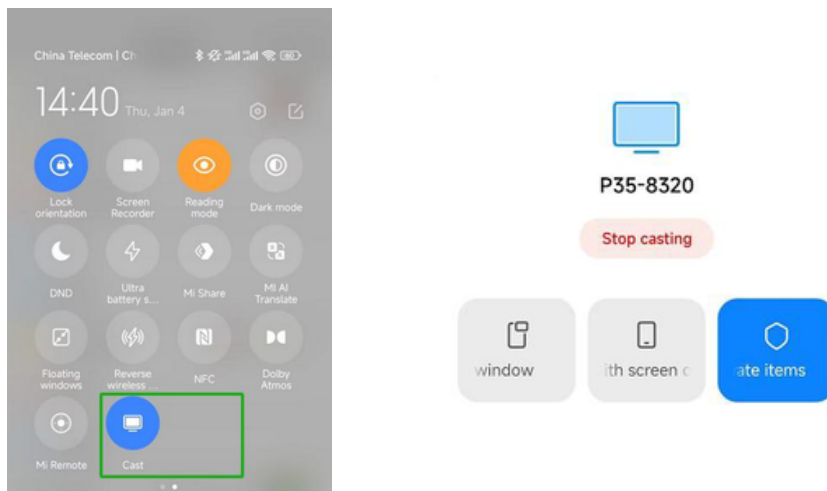
1. WiFi must be enabled.
2. Click the Wireless projection icon on the control centre.
3. Select 500825 SSID and click to connect.




Attention: Under Security Level 1 mode, there is no need to enter password to connect. Under Security level 2 and Security level 3 mode, it will need to enter password on 500825 Home Screen to connect and start casting.

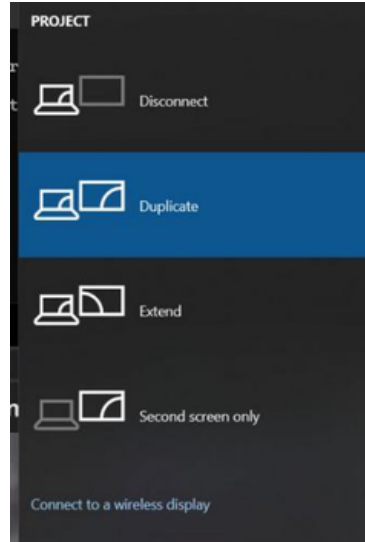


4. After entering password, your mobile content will be shown on the display.
5. Click the “Wireless projection” icon again to stop mirroring.



- **PC**

1. WiFi must be enabled and connected to the same network as 500825 base unit.
2. Press  + P and then click “Connect to a wireless display” in the pop-up window.



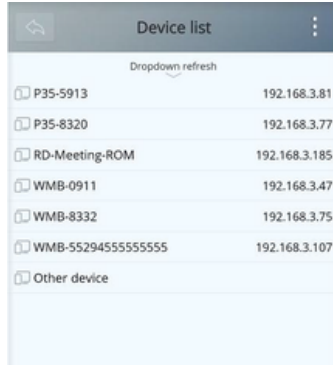
Attention: Under Security Level 1 mode, there is no need to enter password to connect. Under Security level 2 and Security level 3 mode, it will need to enter password on 500825 Home Screen to connect and mirror. After entering password, your mobile content will be shown on display.

5.3.5 Screen Sharing using Android application

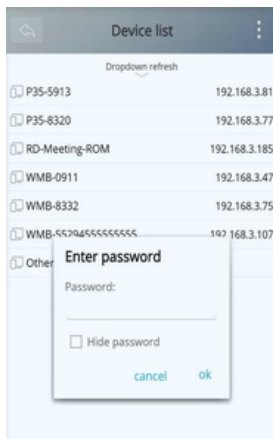
- **Android Devices**



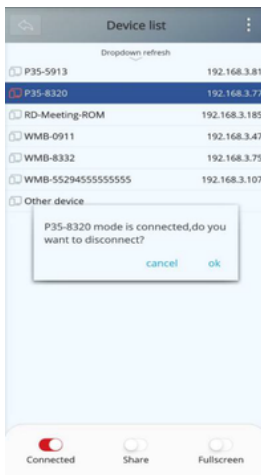
1. Download WirelessMedia application (see chapter WebGUI Setting Management & Configuration).
2. Connect your Android device to one of the displayed WiFi networks.
3. Open the WirelessMedia application in the Android device, and then click the device list refresh button.



4. Select the 500825 to connect to and enter password to start screen sharing.

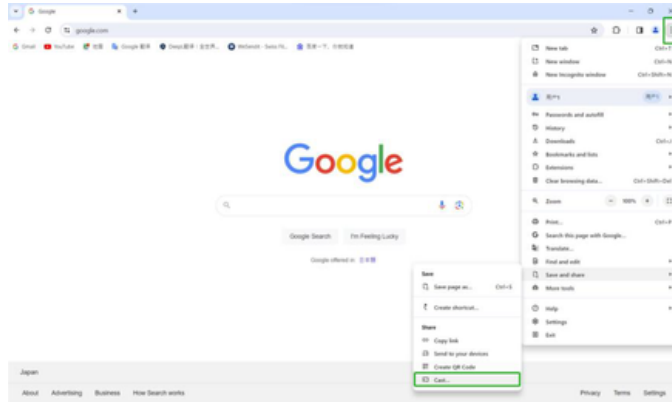


5. Select the 500825 to connect to and enter password to start screen sharing.

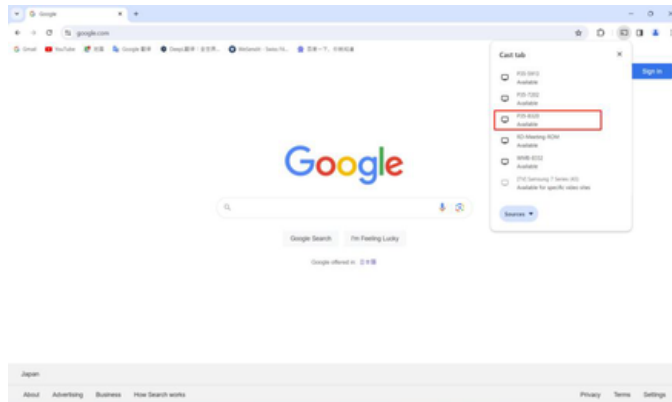


5.3.6 Screen Sharing Using Chromecast

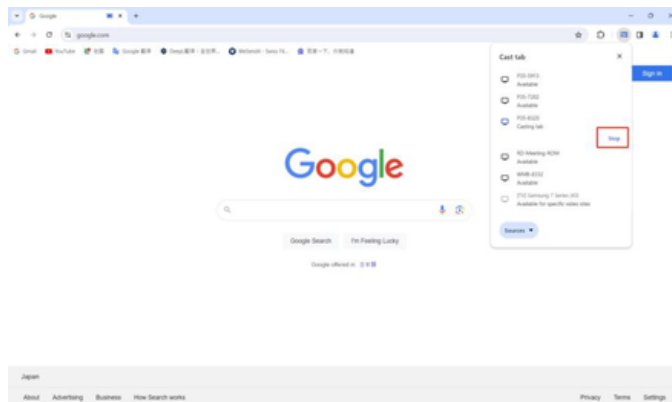
- PC
 1. Connect the PC and 500825 on the same network.
 2. Open Chrome browser.
 3. Click “cast” to connect Chromecast function.



4. Click 500825 SSID to start sharing content.



5. Click 500825 SSID again to stop sharing content.



5.4 Wireless Conferencing Mode

500825 allows to conduct a video conference using the room USB conferencing devices over WiFi.

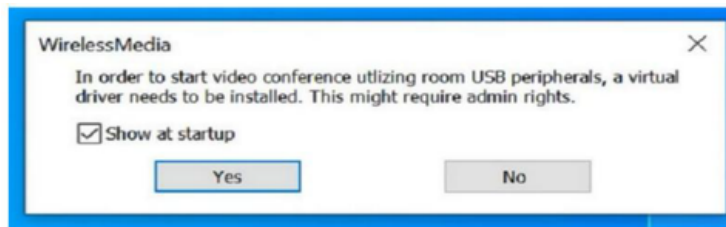
5.4.1 WMeeting Driver Installation

WMeeting virtual driver needs to be installed in the PC to support USB over Wifi.

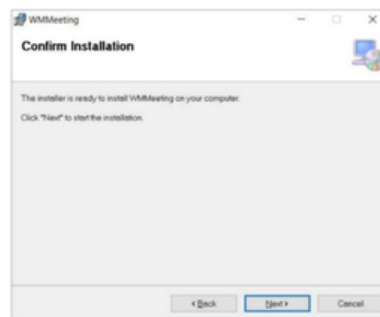
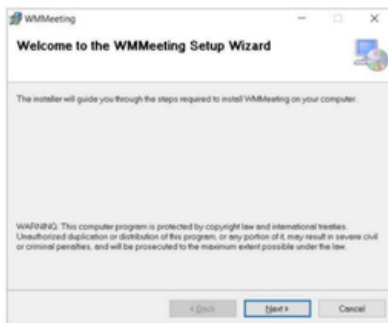
Note:

Users only need to install the driver for the first time.

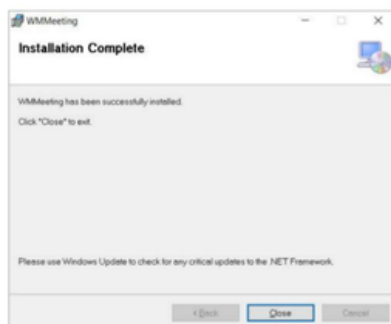
>> When runs the WirelessMedia application for the first time or connect to the transmitter for the first time, a prompt to install the driver will pop up.



>> Click “Next” button to continue installation.



>> Click “Done” button to finish the installation

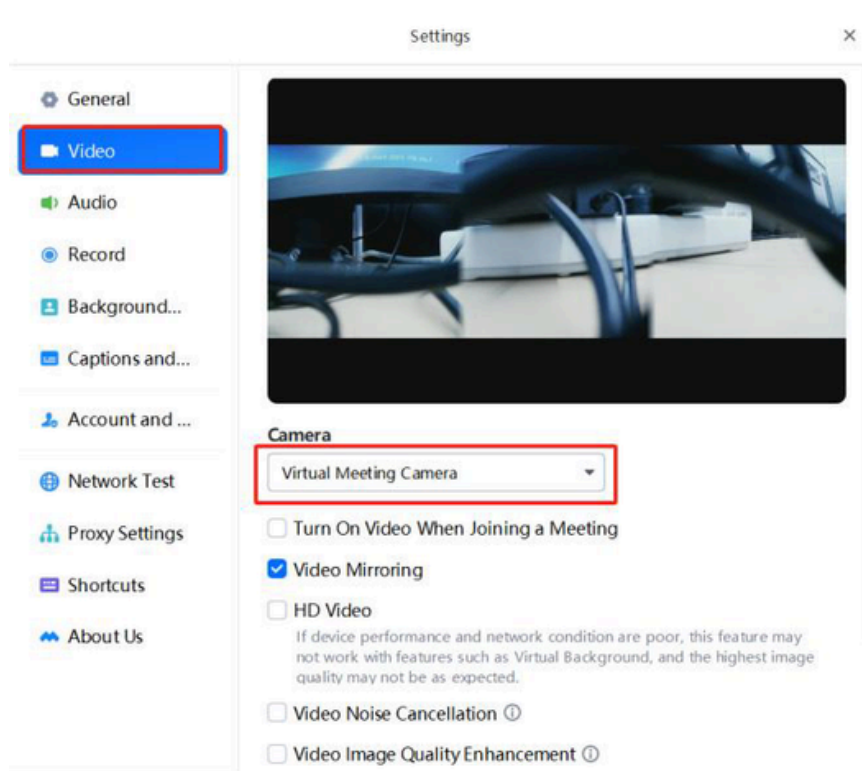


5.4.2 Conference Via MuxMeet Application

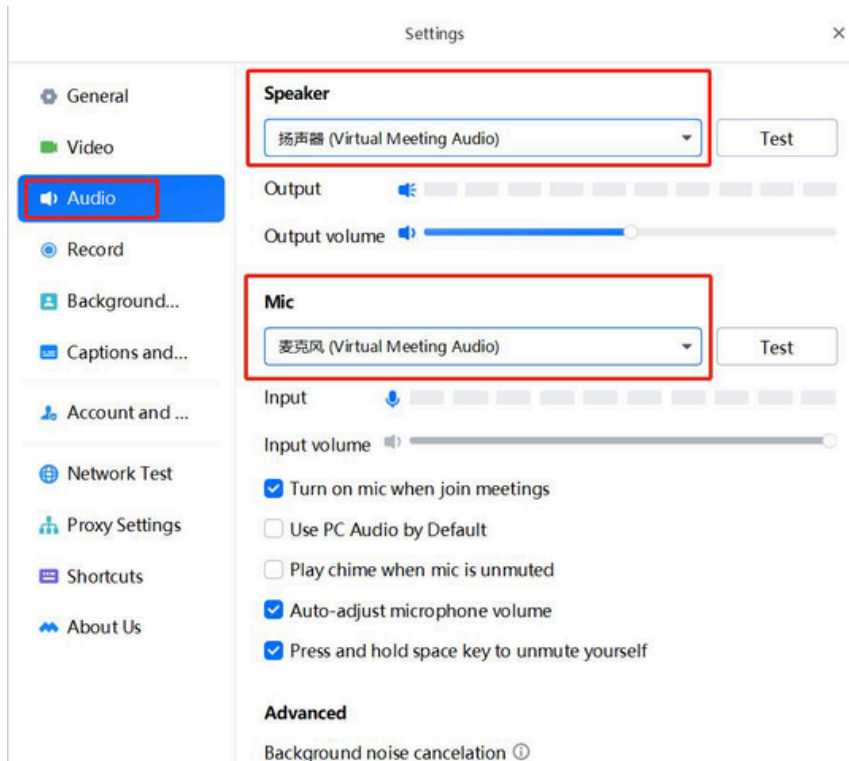
1. Connect the USB conferencing devices to the 500825 USB ports. Camera and microphone icons will appear on WirelessMedia control bar.
 - o White icons: indicate the USB camera and speaker/mic are connected.
 - o Green icons: indicate the USB camera and speaker/mic are connected and in use by any given application.



2. Launch Video conferencing application.
 - Select “Virtual Meeting Camera” as video device.



- For Speaker & Microphone, select “Virtual Meeting Audio”.

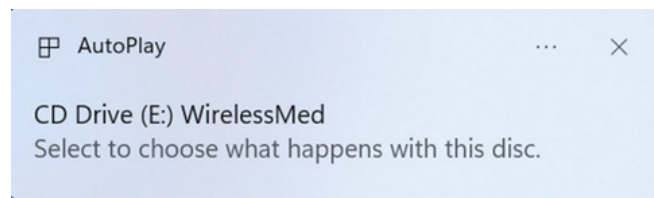


3. Clicking “Ready to share” button in WirelessMedia application will start wireless conferencing sharing.



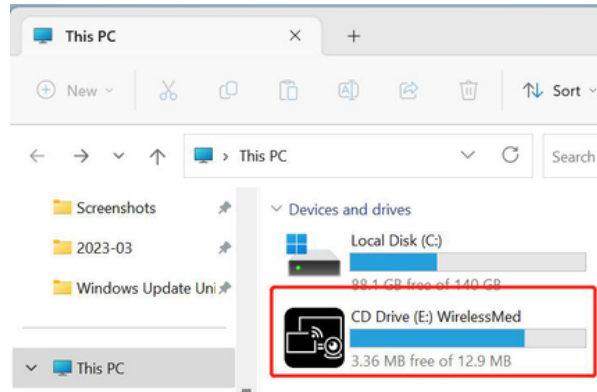
5.4.3 Conference via transmitter

- Connect the USB conference device to the 500825 USB port
- The "WirelessMedia" CD drive will automatically pop up as below photo shown when the transmitter is plugged into the computer. Click the "WirelessMedia" CD drive.

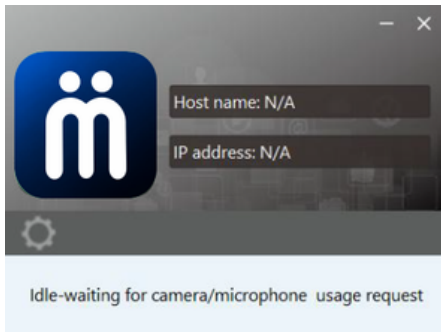


Note:

It can also double-click the "WirelessMedia" CD-ROM drive in the computer drive letter to run the application, for first-time use only. The application will automatically run on your PC for next use, no need to follow this step again.

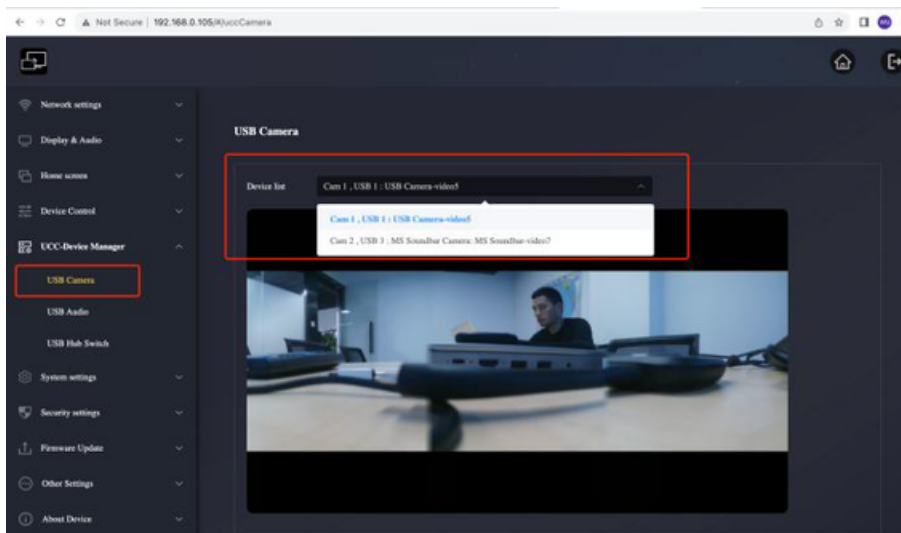


- Open the WirelessMedia application for video conference use.

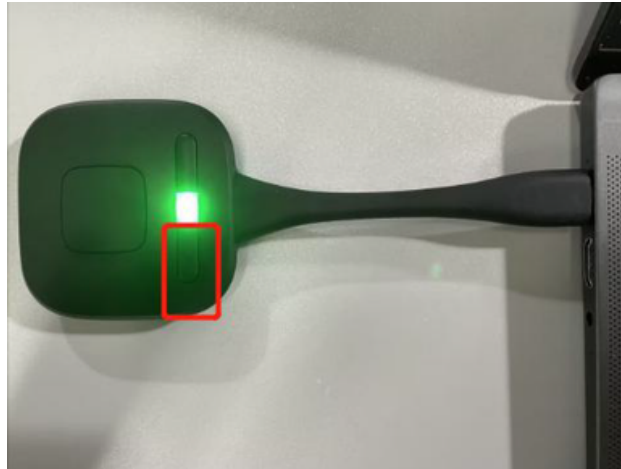


5.4.4 Switch Cameras During Wireless Meeting

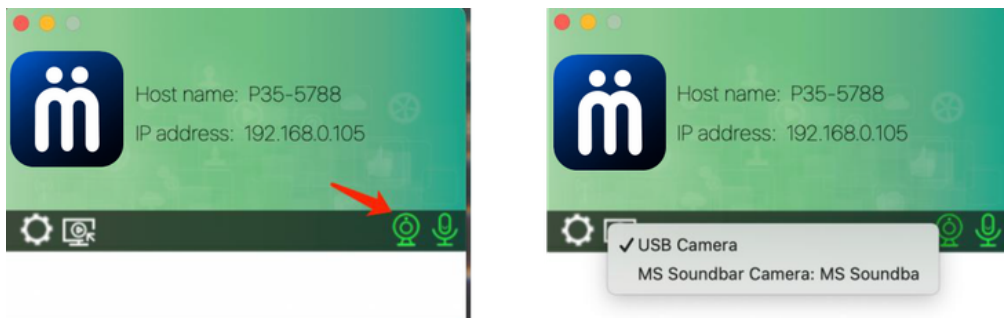
- Switch via Web GUI. Click UCC-Device Manager > USB Camera, then it can select cameras from the device list and preview them.



- Switch by right-pressing button on the transmitter.



- Switch the camera through the WirelessMedia application, click the camera icon.



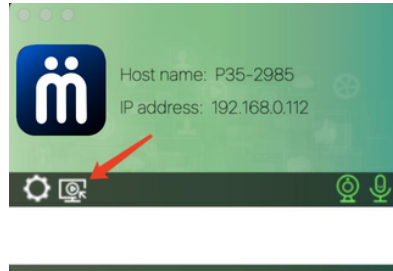
Note:

- >> You need make sure 500825 and laptop are in the same network and the network can access internet.
- >> You need make sure now the USB hub is switched to the wireless source.
- >> If you connect 2 cameras, at least 1 of them need be connected with USB port 1.
- >> The camera switching feature is only for wireless conferencing, not working with wired USB-B room PC mode.

5.4.5 Display Content Sharing to Remote

local screen content including annotations and whiteboard can be shared to remote participants over video conference.

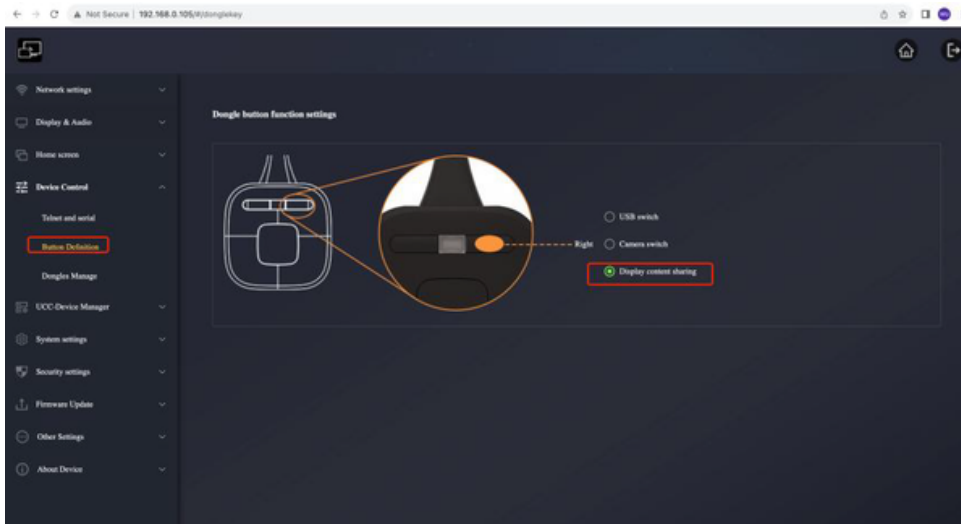
- Open WirelessMedia App in the background and click the screen capture button



Note:

It will not work when the number of screen casts exceeds 2.

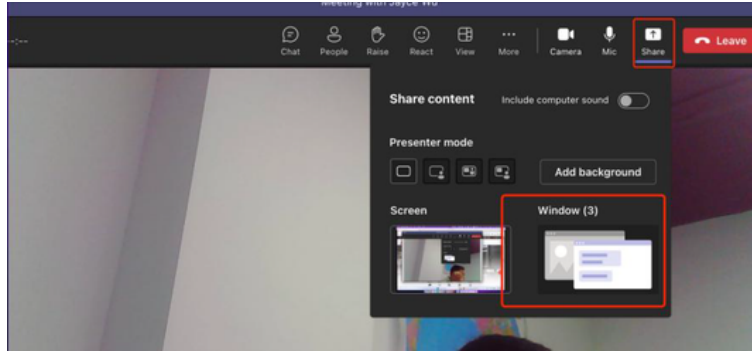
- You can define the right auxiliary button of the transmitter as "Display content sharing" in the web, and then just press the right button to activate this function.



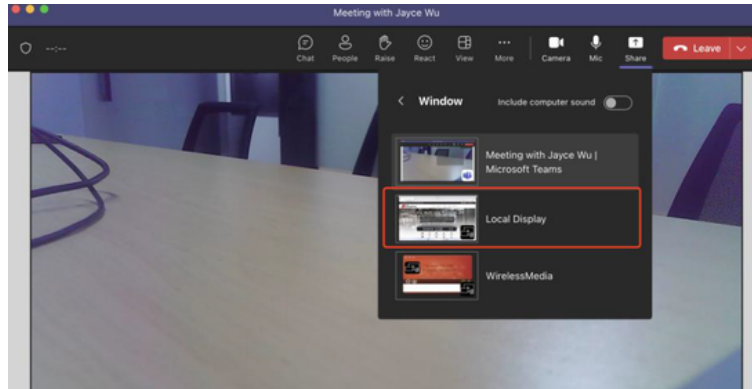
- A window appears that captures the content on the screen.



- Return to the VC app like Teams, click the "Share" button and then click "Window"



- Select "Local display" so remote participants can see the shared content on the local screen.



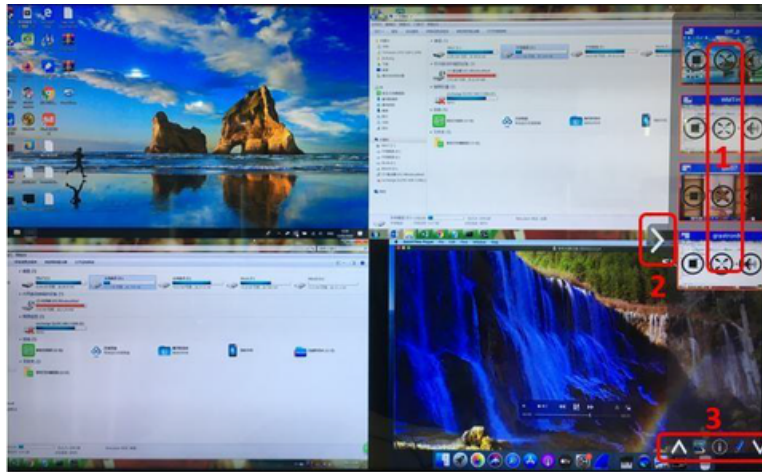
5.5 Moderator Preview Window

500825 includes a moderator preview window that will let the user choose which of the online devices is displayed on the main screen, turn on and off wireless casting on any device or control volume playback.





! In order to show, hide or manage moderator tab, a USB HID compatible device connected to the 500825 base unit is necessary (Touchscreen, mouse...).

Preview windows of all connected transmitters, WirelessMedia app users and Airplay / Miracast / Chromecast screen sharing devices will appear on the tab. Various window prefixed layouts can be selected on Moderator section of WEB settings.

💡 Five users are allowed to present simultaneously and 14 more can be connected to 500825 base unit in standby.



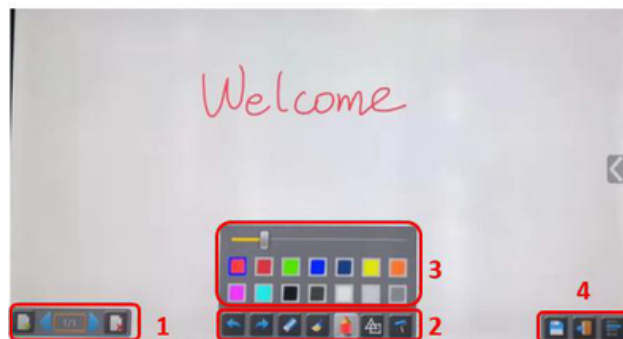
Moderator Preview Control Buttons:

- 1  Click to start transmission.
-  Click to stop mirroring the current participant.
-  Click to make this device full screen on main screen.
-  Click to adjust the volume of connected participant.
- 2 Arrow to show moderator tab.
- 3 Whiteboard and Annotation. For further details, see below.



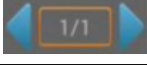











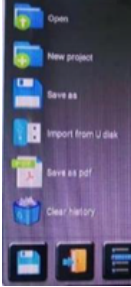
5.6 Whiteboard & Annotation

Whiteboard and Annotation requires an USB HID compatible device, such as interactive white board, touch screen or mouse. There are two different modes;

A white board is brought up that will let the user to write notes, draw content. It allows different figures, colours and background. To start Whiteboard mode, click on the Home Screen.



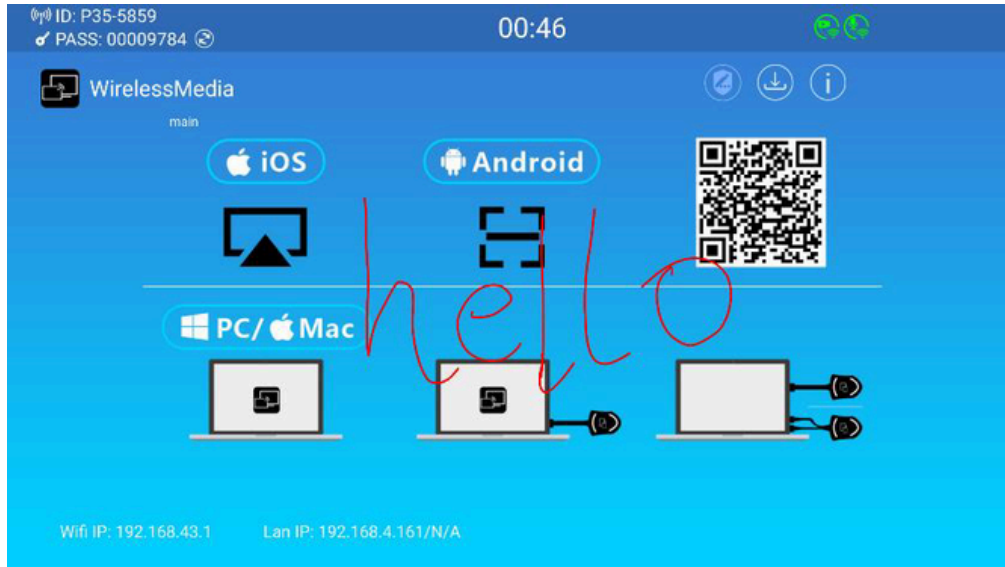
Use the toolbar to select one of the following functions.

ID	Icons	Function
Tool Bar 1		Add an empty page.
		Delete current page.
		Display previous or next page.
Tool Bar 2		Undo: one step backward in changes.
		Redo: one step forward in changes.
		Erase part of drawings or annotation, change diameter by a longer tap.
		Clear the entire drawing/writing on the screen.
		Pen allows writing/drawing in different colours.
		Draw basic geometric shapes.
		Select colour of board, the drawing will be kept.
Tool Bar 3		Will pop up, when “Pen” or Draw shape or Select colour of board is selected, for individual change of size of Pen, Shape or colour.
Tool Bar 4		Save the current screenshot on local storage (PNG+WMN).
		Close Whiteboard to go back to Home Screen actual project can be saved on local storage (WMN).
File options	 	<ul style="list-style-type: none"> • Open WMN-file from local storage and continue/edit an older project. • New project. • Save as WMN on local storage in unit, it will be erased after POWER-OFF. • Import from USB flash drive stored project (WMN). • All pages are saved as PDF on local storage. • Clear history, delete all files on local storage.

5.6.1 Annotation

Allows the user to draw or write annotations in overlay within the presented content of the active sharing devices. It allows different figures, colours, and background.

To start Annotation mode, click it on the Home Screen.

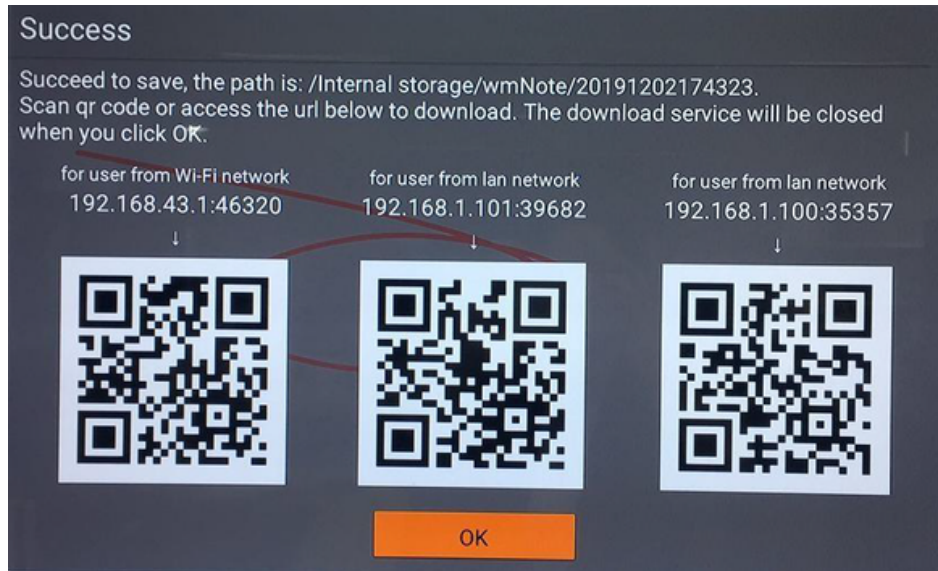


Use the toolbar to select one of the following functions.

ID	Icons	Function
Tool Bar 1		Undo: one step backward in changes.
		Redo: one step forward in changes.
		Erase part of drawings or annotation, change diameter by a longer tap.
		Clear the entire drawing/writing on the screen.
		Pen allows writing/drawing in different colours.
		Draw basic geometric shapes.
		Select colour of board, the drawing will be kept.
		Close Whiteboard to go back to Home Screen, actual project can be saved on local storage (WMN).
		Save the current screenshot on local storage (PNG).

- **Download the Drawings to Connected Users**

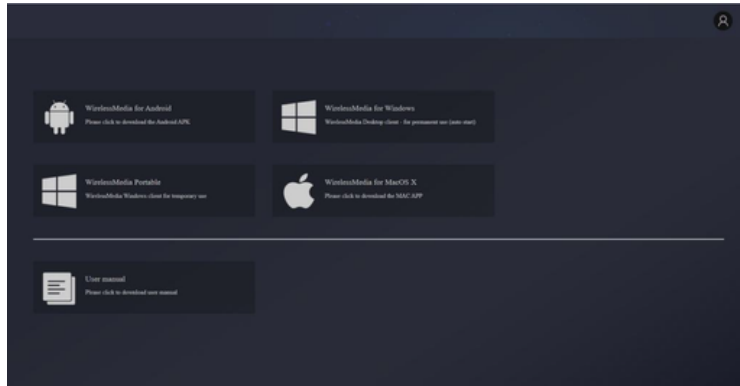
When saving a screen of Whiteboard or Annotation modes into internal storage of 500825, scanning the QR code or entering the given IP address in a browser will allow the user to download the saved files.



! Data can be copied to a USB disk and after connecting it to the 500825, it can be imported into the Whiteboard section with "Import from U disk".

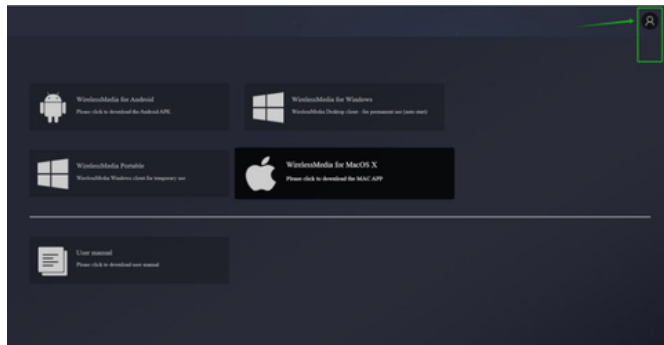
Web GUI Setting Management & Configuration

To access 500825 WEB settings it is necessary to enter the base unit IP address in an internet browser. The first page displayed will let the user download WirelessMedia app for all platforms.



💡 If 500825 is on “Wireless direct Mode”, first access 500825 SSID and enter current password on Home Screen page. IP address is 192.168.43.1.

1. Click on the top right corner to enter into WEB Settings menu.



2. Login page will appear.
>> Default password: admin.



💡 Entering Login credentials will give access to the main WEB settings page where it will be able to configure Network settings, Display & Audio, Home screen, Device Control, UCC-Device Manager, System settings, Security settings, Firmware upgrade, Other settings, About device.

6. Network

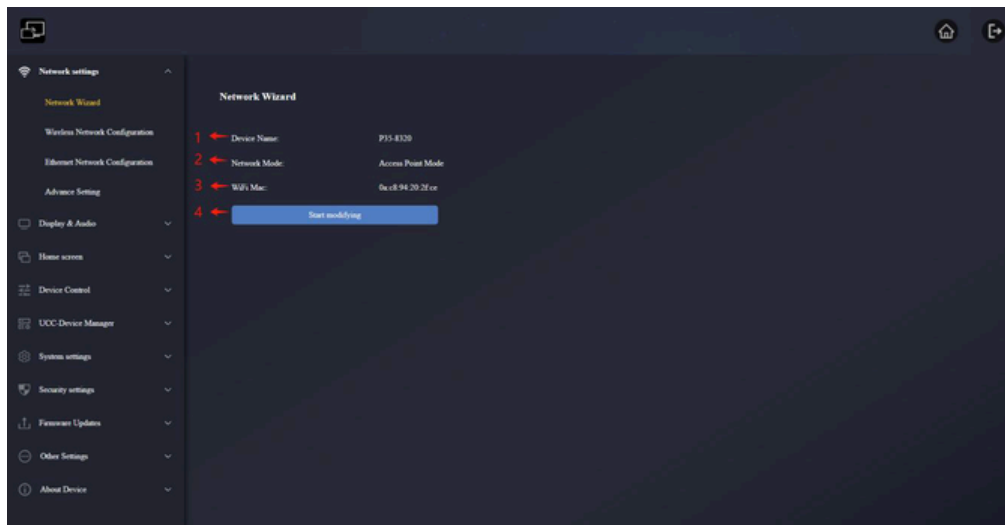
6.1 Network Settings

To take the full benefit of 500825 features, it is important to configure and integrate the base unit network settings according to the needs of the application required. 500825 includes two independent wired LAN and a WiFi network card.

>> The following sections can be accessed in Network Settings page:

6.1.1 Network Wizard

This section allows the user to set the network working mode of 500825

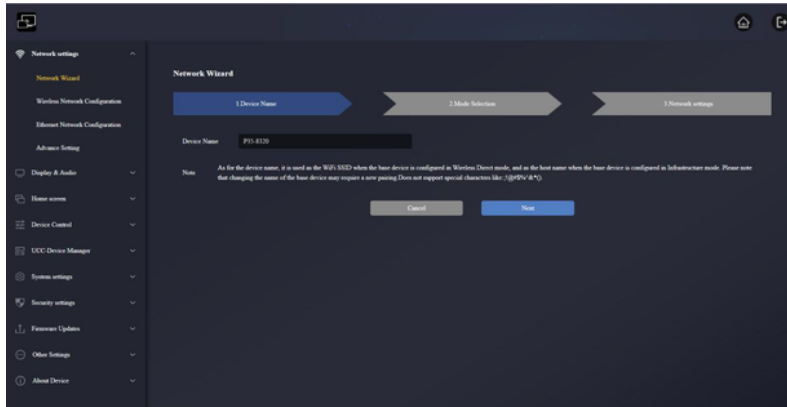


1. **Device Name:** this parameter indicates current name assigned to 500825.
2. **Network Mode:** this parameter tells the user which network working mode is currently configured.
3. **WiFi Mac:** this parameter shows the MAC address assigned to the 500825 network card.
4. **Start modifying:** Click to enter a network setup wizard is available to change network working mode to properly integrate 500825 into an existing wireless infrastructure.

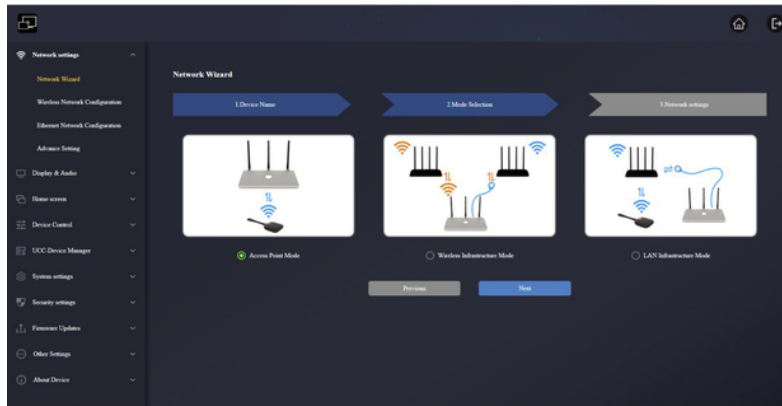
! Any change to Network mode will need 500880 and 500881 to be paired again with 500825 base unit.

6.1.1.1 Network Modes Configuration

- 1. Device Name:** Enter a device name for the Base-unit 500825. Allowed characters are: "a-z", "A-Z", "0-9", "-", "_ and "space ", then Click "Next step".



- 2. Mode Selection:** Select the desired network mode and click "Next Step".

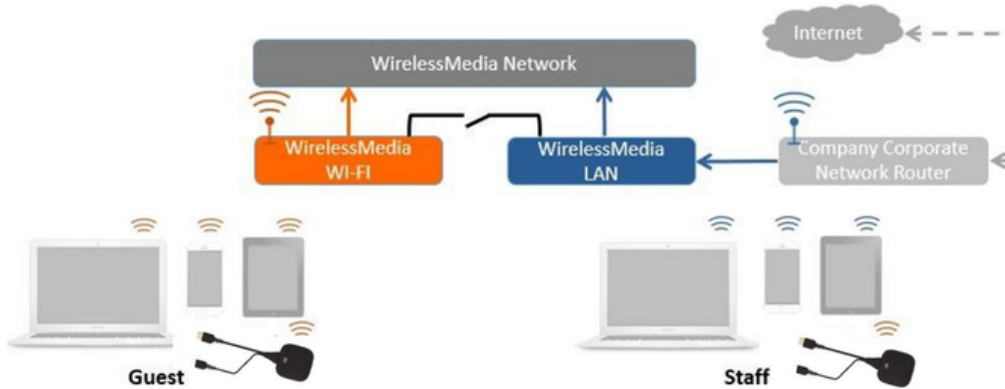


- Wireless Direct Mode**

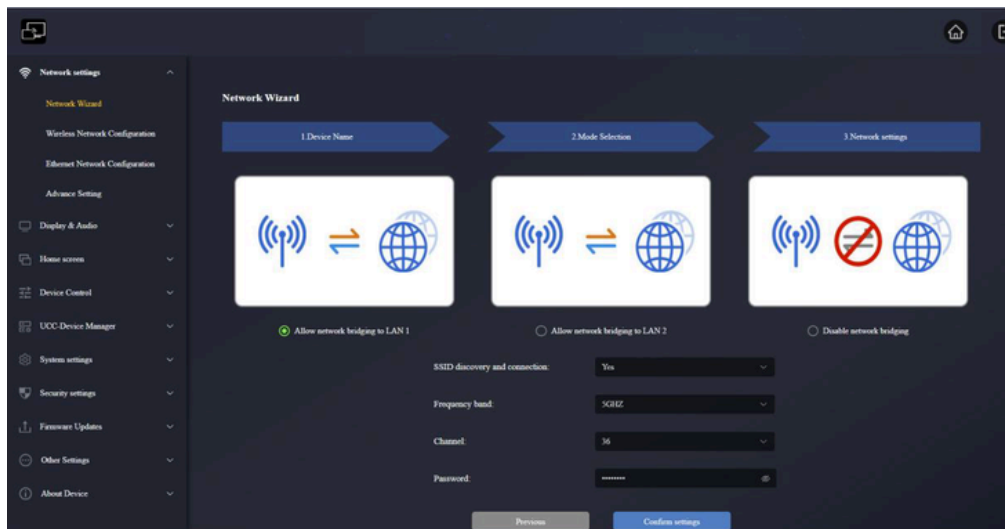
500825 unit starts up in the default standalone "Wireless direct mode" configuration after a factory reset or the first time it's being used. The base unit creates its own wireless access point, which all devices need to connect in order to share content with base unit. This option is best for temporary operation, small installations, and rooms without network access or networks that do not allow network access for

Guests, due to strict security concerns, and are completely separated from the corporate network.

💡 Under this mode, 500825 can work without any other wireless network configuration. Just pair 500880 / 500881 with 500825 base unit, connect to 500825 internal hotspot and open WirelessMedia app or use Airplay, Miracast or Chromecast wireless casting protocols.



1. Click “Next step” to Set up WiFi access point.



- There are **three ways of connecting to Internet** through 500825 in “Wireless Direct Mode”:
 - Allow internet access (bridging) via LAN 1:** the source device is able to connect to internet if LAN1 port is available.

b) Allow internet access (bridging) via LAN 2: the source device is able to connect to Internet if LAN2 port is available.

c) Disable internet access: the source device is not able to connect to Internet if this mode is activated. Sometimes it is for safety requirements.

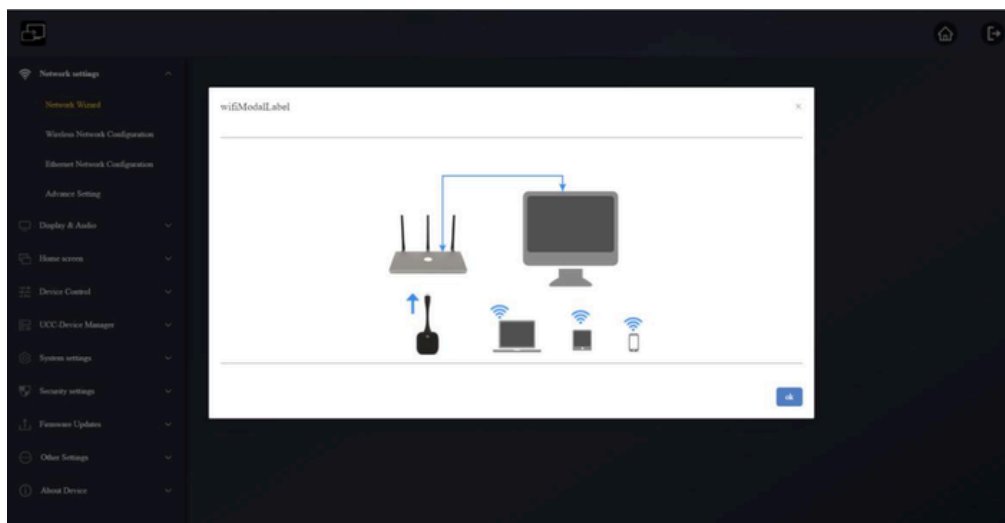
- **SSID discovery and connection:** Select “Yes” to make 500825 SSID visible and “No” to hide it.
- **Frequency:** Click to select 2.4 GHz or 5 GHz WiFi frequency. Default is 5GHz.
- **Channel:** Click to select the WiFi channel. Default is 5 GHz, Auto. If the WiFi channel is changed, no new pairing of the wireless transmitter is necessary.
 - **2.4 GHZ frequency band:** channels 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11.
 - **5 GHz frequency band:** no need to choose 5G channel, system will choose proper channel automatically. Default is 5 GHz, channel: 36.
 - **Default channel (USA&China area):** 36, 40, 44, 48, 149, 153, 157, 161.
 - **Default channel (European area):** 36, 40, 44, 48.

Note:

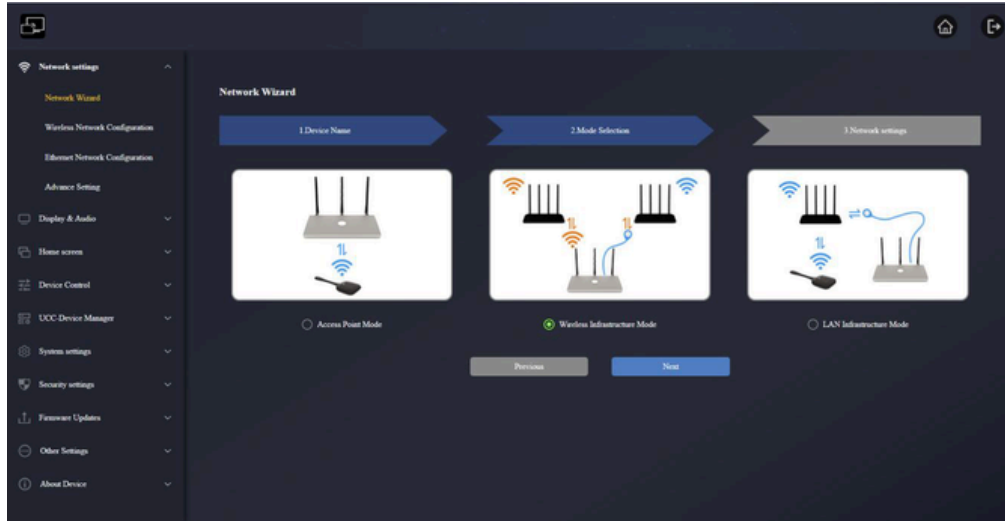
Since channel 36 is supported all over the world, the default channel is 36.

- **Password:** Click in the input field to fill out the appropriate password with length of 8 characters

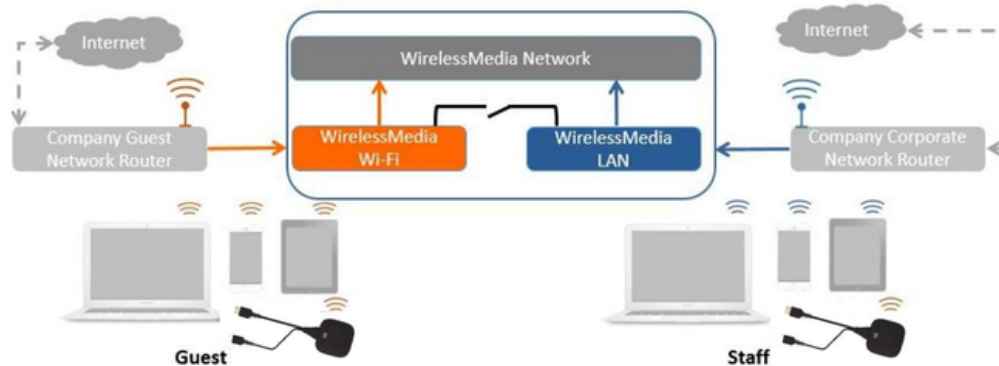
2. Click “Submit settings” to finish configuration. Then, pair wireless transmitters with the 500825 again.



- **Wireless Infrastructure mode**



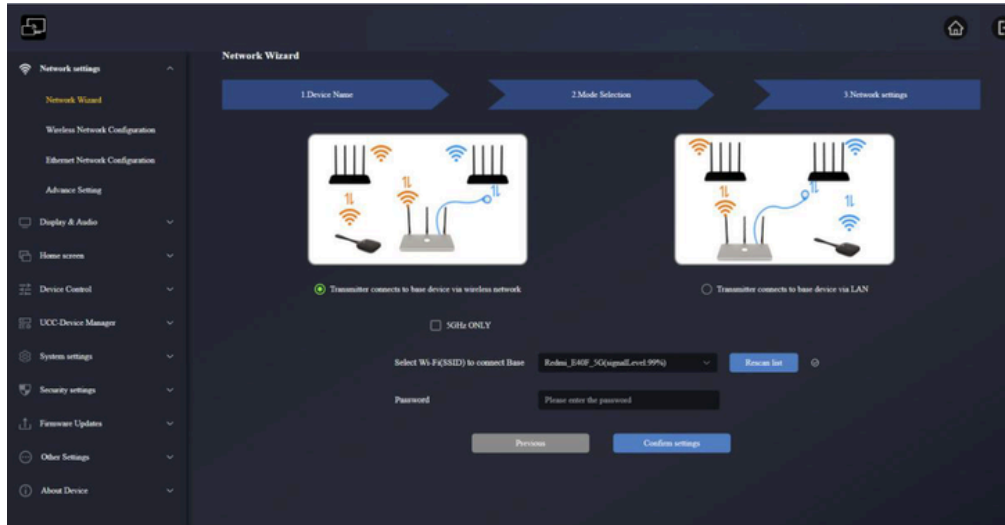
500825 can simultaneously connect to a wired and a wireless network. The segmented dual network of 500825 provides two separated routing ways to connect to the base unit at the same time. This is very useful for organizations, which have a wireless “Guest” network for external visitors and a wired “Staff” network for their employees. Guest-users are not able to access any resource on the internal network of the company. Guest and Staff have internet access.



Under this mode, users will be able to present with 500880 / 500881 / Native Wireless protocols (Airplay, Miracast, Chromecast). 500880 / 500881 will be connected to the WiFi access point of “Guest” network, which in turn is connected to the internal WiFi access point of 500825. (They can also be configured to connect to the enterprise’s access point.) Mobile devices users will stay connected to their current network thus have access to their normal corporate environment as well as Internet access.

>> Transmitter connects to base device via wireless network

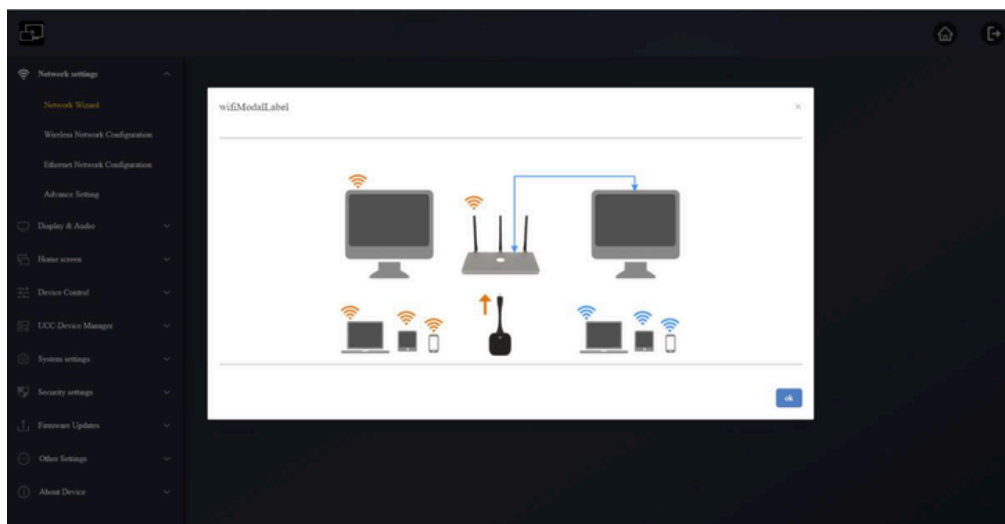
1. Click “Next” to enter the configuration of this the network mode.



2. Choose “Transmitter connects to base device via wireless network”, a wireless network which is separate from the company LAN network for guest users.

- **Select SSID:** Choose a wireless network to connect to 500825 for guest.
- **Password:** Enter password to connect the 500825 to the guest network.

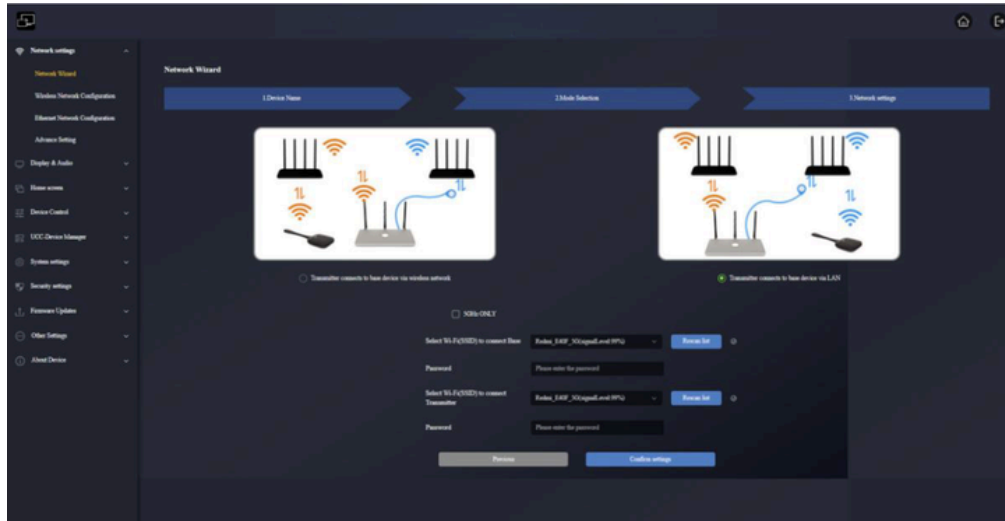
3. Click “Confirm settings” to finish configuration. Then pair wireless transmitters with the 500825 again.



>> Transmitter connects to base device via LAN

Choose a wireless network for guests and a LAN network for staff.

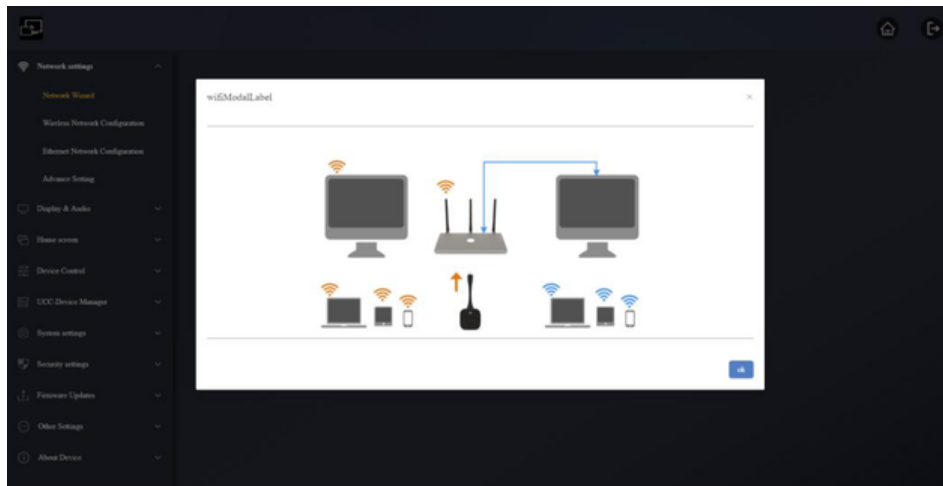
1. Click “Next” to enter the configuration of this the network mode.



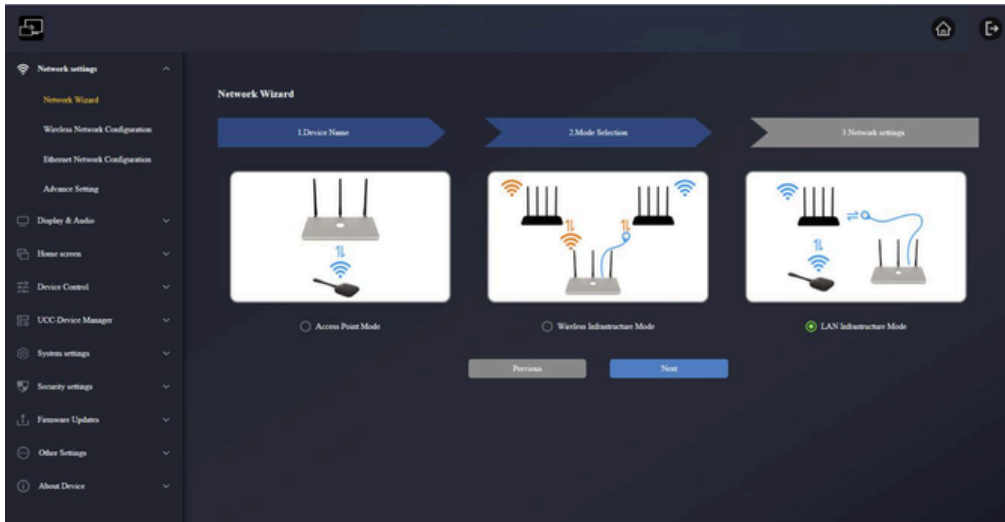
2. Choose “Transmitter connects to base device via LAN”, transmitter is for staff use.

- **Select Wi-Fi(SSID) to connect Base:** Choose a wireless network to connect to 500825 for guest.
- **Password:** Enter password to connect the 500825 to the guest network.
- **Select Wi-Fi(SSID) to connect transmitter:** Choose the same LAN network which 500825 connects, to pair the wireless transmitter.
- **Password:** Enter password of the LAN network.

3. Click “Confirm settings” to finish configuration. Then pair transmitters with the 500825.



• LAN Infrastructure Mode

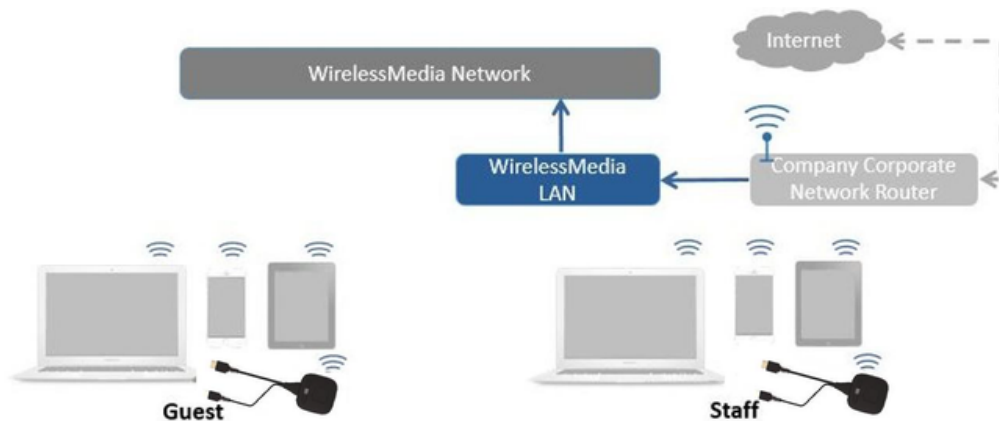


In this configuration the built-in WiFi access point of 500825 is disabled.

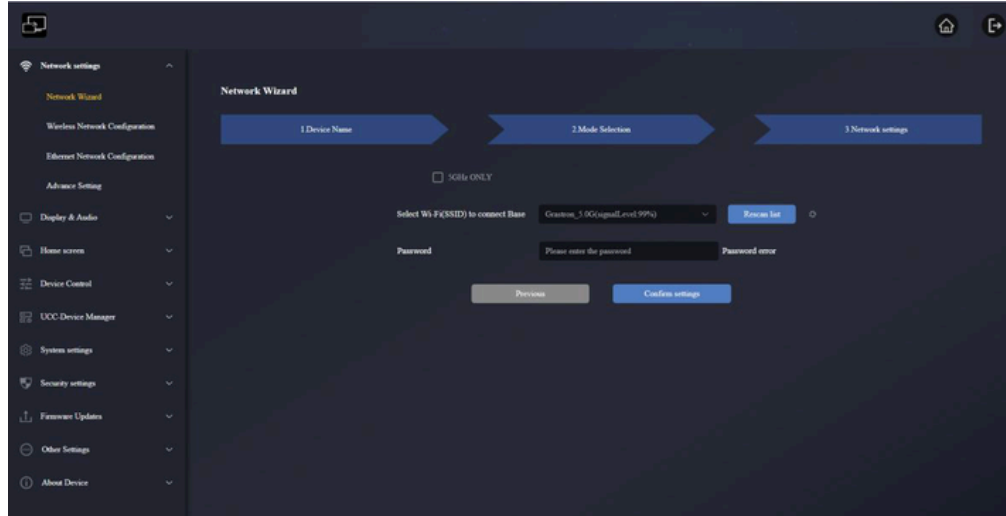
500880 / 500881 and mobile devices can connect to the secured wireless access point of the company network. The 500825 base unit will be connected via network cable to the wired of the company network.

The Staff users will be able to connect to their usual access point of Company network, without the need to change the WiFi as long as both networks are on the same range.

! 500880 / 500881 will be automatically paired to the Staff access point, and not to 500825 base unit.

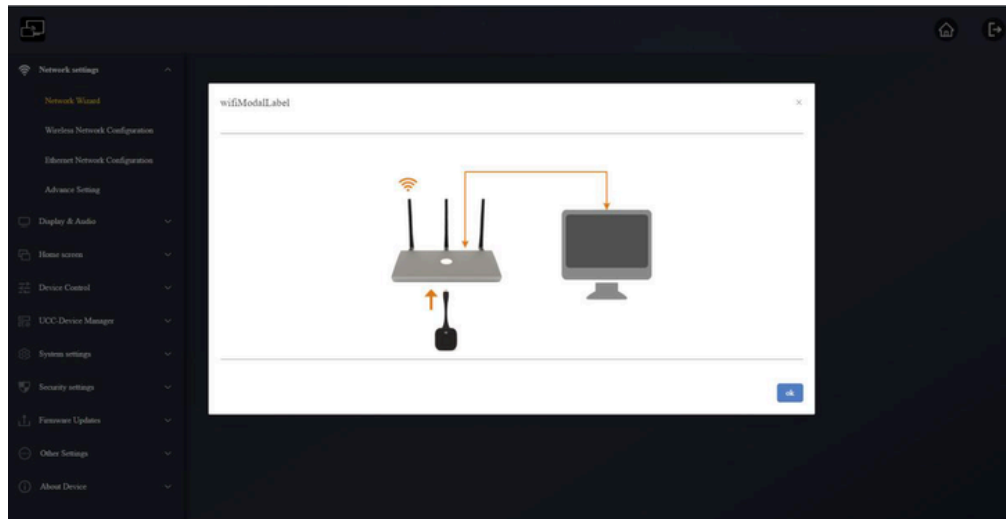


1. Click “Next” to enter the configuration of this the network mode.



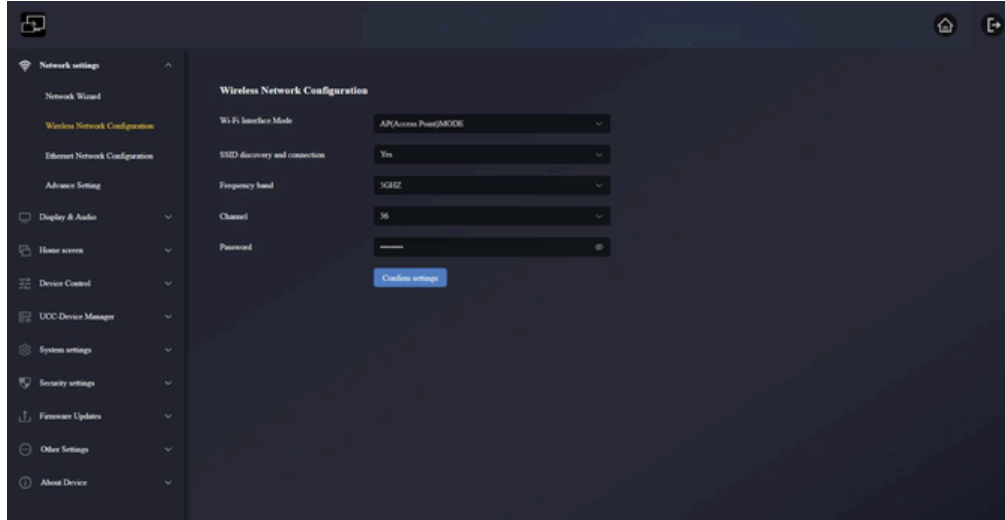
- Select Wi-Fi (SSID) to connect Base: Choose a network to connect to 500825 for staff.
- Password: Enter password to connect the 500825 to the staff network.

2. Click “Confirm settings” to finish configuration. Then pair transmitters with the 500825.



6.1.2 Wireless Network Configuration

For specific configuration of the three modes on this page, please refer to the operation of setting the three network modes in the previous section "Network Wizard".



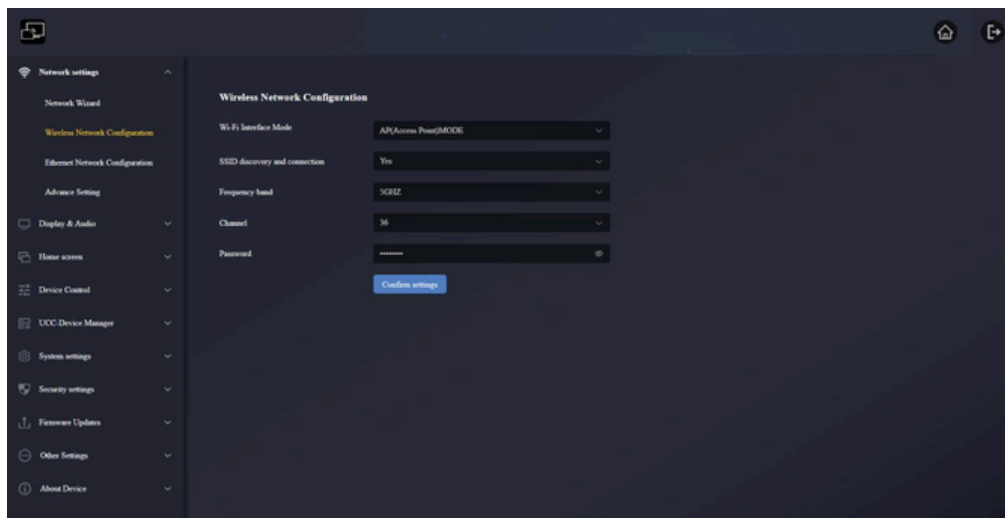
Wi-Fi Interface Mode: AP(Access Point)MODE, STA(Station) MODE, OFF;

It can set the network mode directly on this page: Access Point Mode, Wireless Infrastructure Mode or LAN Infrastructure Mode;

Which network mode is set on the network wizard page, this page will change accordingly; similarly, after the mode is set on this page, the network wizard page will also change the network mode accordingly.

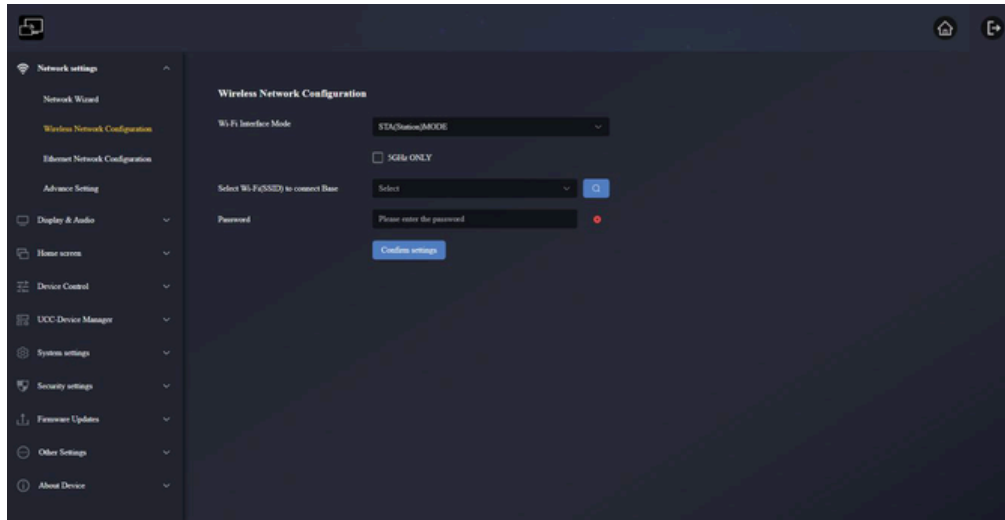
6.1.2.1 AP (Access Point)Mode

When the Network Wizard is set to Access Point MODE, this page will be displayed in AP(Access Point)MODE, you can directly set the options on this page.



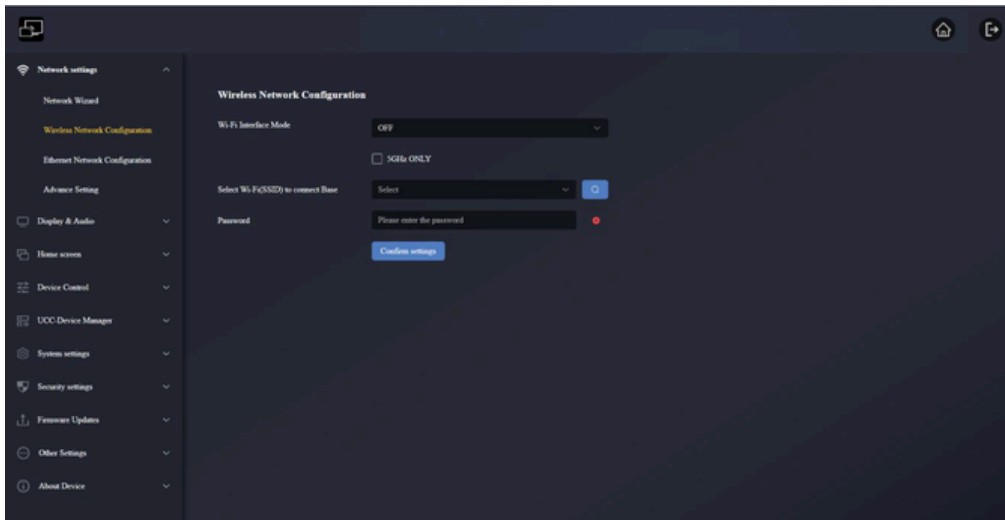
6.1.2.2 STA (Station) Mode

When the Network Wizard is set to Wireless Infrastructure Mode, this page will be displayed in STA(Station)MODE, you can directly set the options on this page.



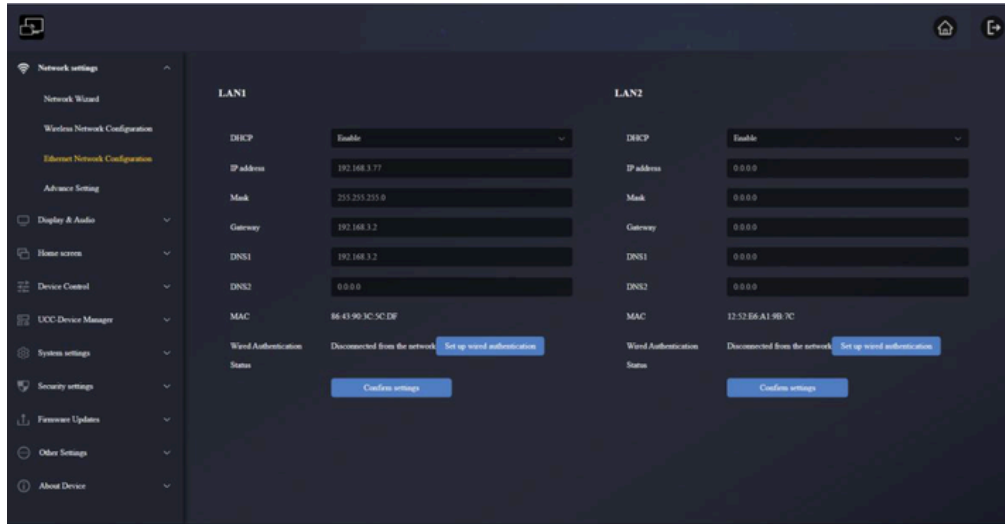
6.1.2.3 OFF

When the Network Wizard is set to LAN Infrastructure Mode, this page will be displayed in OFF, you can directly set the options on this page.



6.1.3 Ethernet Network Configuration

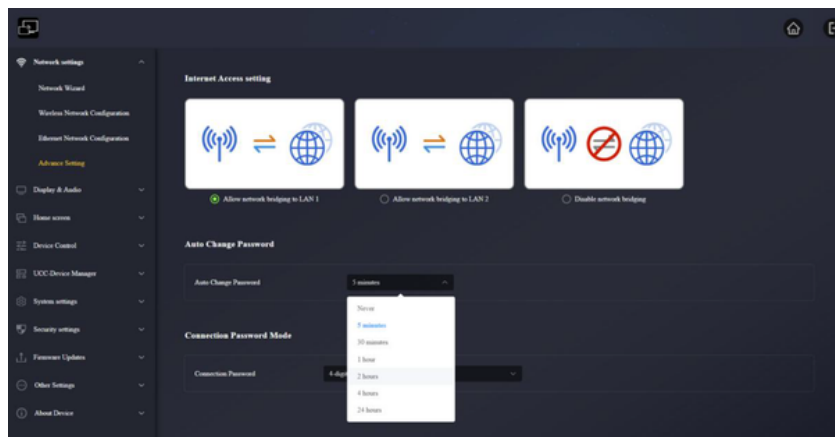
This section will let the user configure the wired LAN 1 and LAN2 settings.



- **DHCP:** this parameter lets the user to enable the automatic assignment of IP address if a DHCP server is present in the network. To configure a fixed IP address, first this parameter should be disabled.
- **Mask:** this parameter lets the user introduce the desired network mask.
- **Gateway:** this parameter lets the user introduce the desired IP gateway.
- **DNS1-2:** this parameter lets the user introduce the desired DNS servers.
- **Wired Authentication Status:** Establish wired authentication (no authentication, EAP-TLS, EAP-TTLS, PEAP).

6.1.4 Advance Setting

When the network mode is Access Point Mode, it can directly change the three ways the 500825 connects to the Internet here.



- **Allow network bridging to LAN1:** Allow the 500825 to access the Internet through LAN port 1.
- **Allow network bridging to LAN2:** Allow the 500825 to access the Internet through LAN port 2.
- **Disable network bridging:** Not allow the 500825 to access the Internet through LAN port.

1. Auto Change Password

- **Never:** never change WiFi password. (Even after POWER-OFF condition)
- **5 minutes:** change WiFi password every 5 minutes.
- **30 minutes:** change WiFi password every 30 minutes.
- **1 hour:** change WiFi password every 1 hour.
- **2 hours:** change WiFi password every 2 hours.
- **4 hours:** change WiFi password every 4 hours.
- **24 hours:** change WiFi password every 24 hours.

2. Connection Password Mode

- 4-digits password beginning with 0000: The first 4 digits are fixed to 0, and the last 4 digits are random numbers.
- 8-digits password: 8 digits are all random numbers

6.2 Display & Audio

6.2.1 HDMI

6.2.1.1 HDMI Resolution

Select the resolution at HDMI output of base-unit.

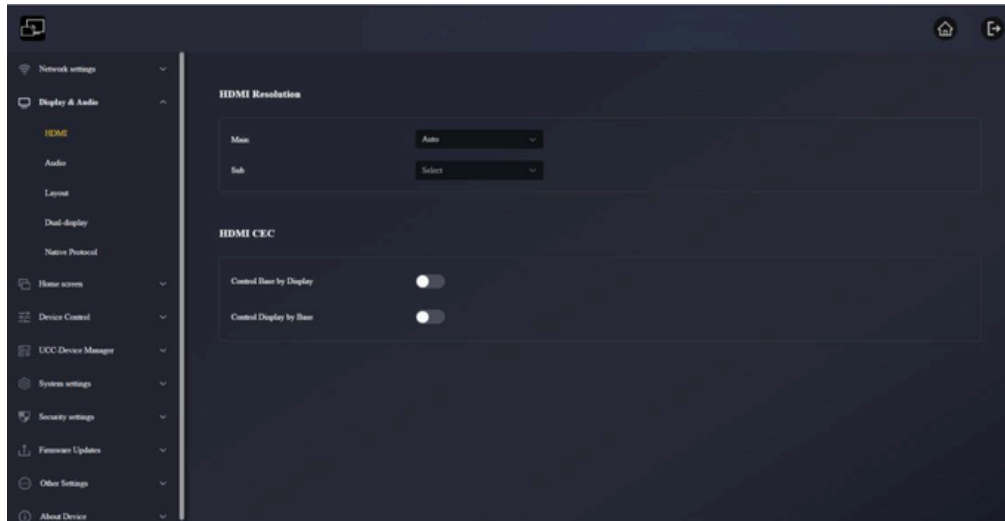
Existing HDMI output resolution as below:

Main

- Auto
- 3840x2160@60Hz
- 3840x2160@50Hz
- 3840x2160@30Hz
- 1920x1080@60Hz
- 1920x1080@50Hz
- 1920x1080@30Hz
- 1280x720@60Hz
- 1280x720@50Hz

Sub

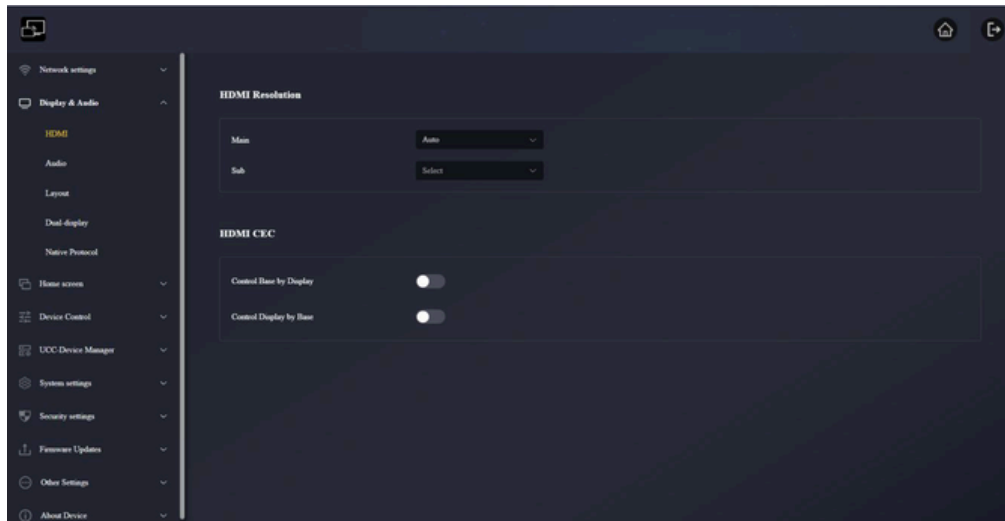
- Auto
- 1920x1080@60Hz
- 1280x720@60Hz
- 1280x720@50Hz



If the display only supports FULL HD, the 4K resolution will not be displayed on the resolution list. The sub screen supports up to 1920*1080P.

6.2.1.2 HDMI CEC

500825 support CEC function if the connected display support CEC function.



- **Control Base by the display**

With this option, you can choose whether the connected 500825 base unit automatically enters standby mode or not as soon as the display is turned off.

- **On:** As soon as the display is turned off, the unit base 500825 will also be auto turned off.
- **Off (Default):** The display is turned off but the 500825 will not be auto turned off.

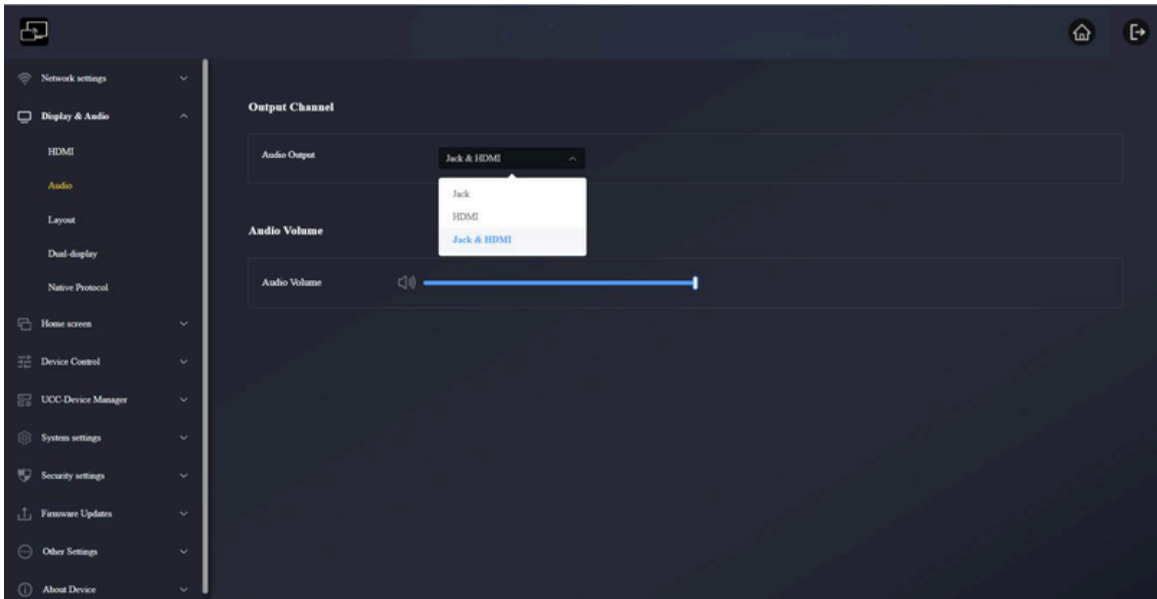
• Control Display by Base

With this option, you can choose whether the display automatically enters standby mode or not as soon as the connected unit base 500825 is turned off.

- o **ON:** As soon as the 500825 is turned off, the connected display will also auto turn off.
- o **OFF (Default):** Display will not automatically turn off when 500825 is turned off.

6.2.2 Audio

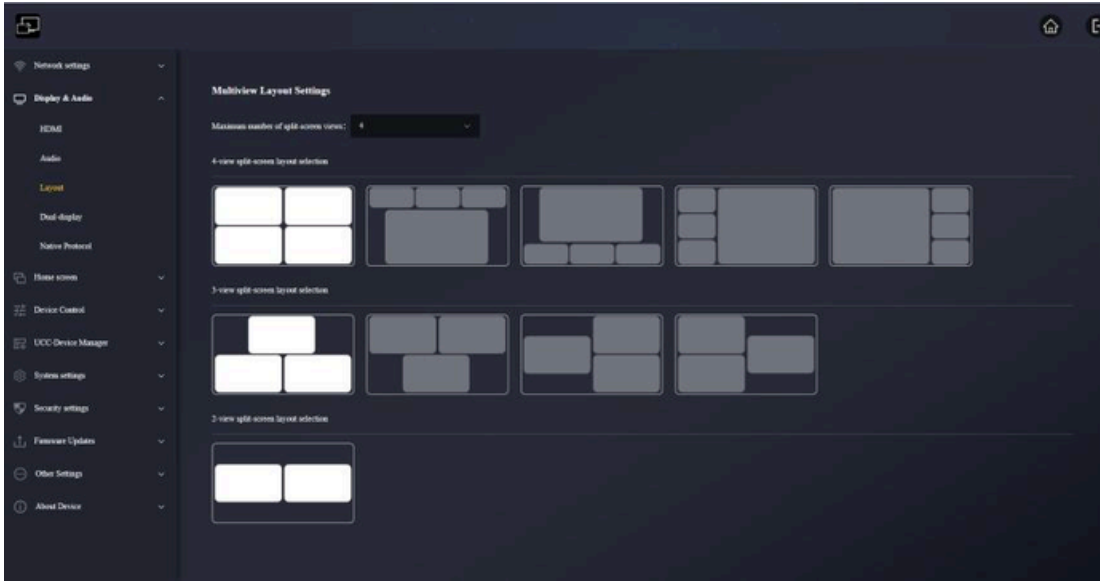
Allows the user to choose which sound source is routed to audio output.



1. **Audio output:**
 - **Jack:** output only 3.5mm mini-jack audio.
 - **HDMI:** output only HDMI audio.
 - **Jack&HDMI (Default):** output Jack & HDMI audio.
2. **Audio volume:** volume can be selected from 0 to 100.

6.2.3 Layout

Allows various fixed window layout presets to display participants in the main screen. Four the most can be performed simultaneously on one screen.



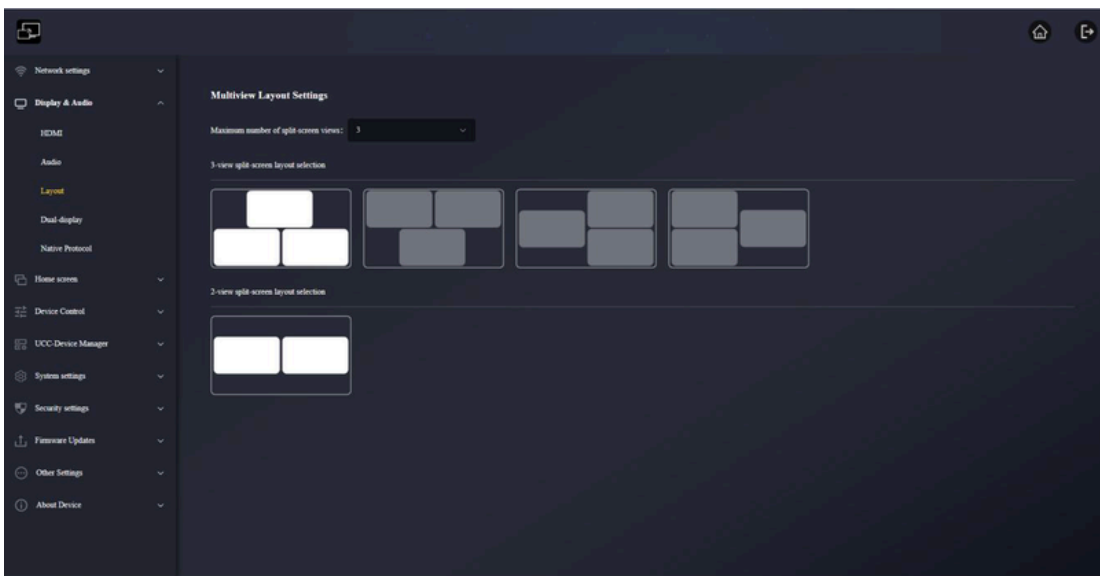
Maximum number of split-screen views: 1, 2, 3, 4

It can manually select the number of screens allowed to be presented as needed. If it selects 4, it can cast a maximum of 4 screens. It can select a 4-split screen layout in the layout selection; if it selects 3, it can only cast a maximum of 3 screens. It is the same meaning of selecting 1 and selecting 2.

Example:

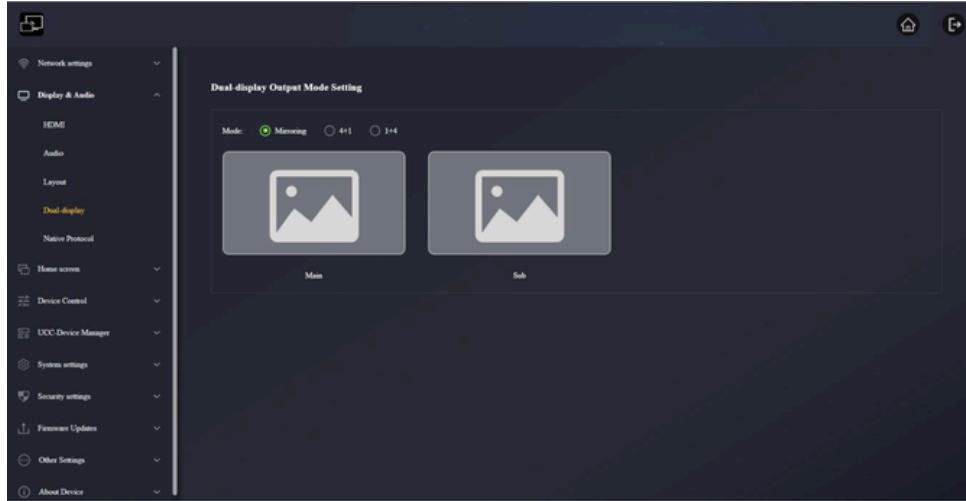
Select the maximum number of split-screen views is 3, the screen display is shown as below photo.

It can choose a 3-split screen layout in the layout selection.



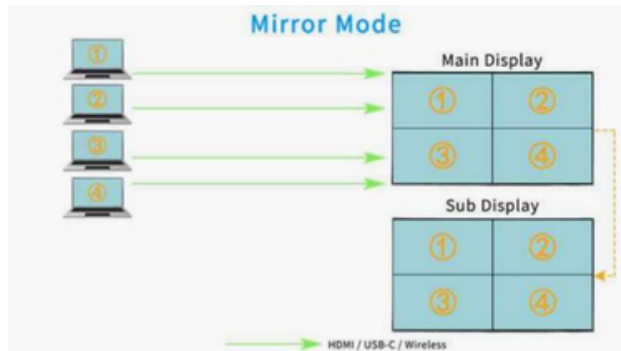
6.2.4 Dual-Display

500825 can use two screen to display and can cast up to 5 images at the same time.

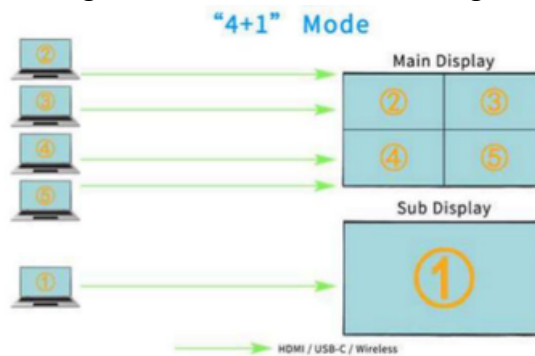


Mode:

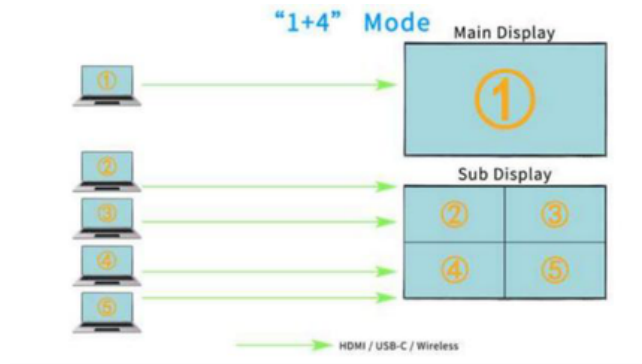
- **Mirroring:** Main screen and sub screen display the same cast image



- **4+1:** Main screen can cast 4 images, sub screen can cast 1 image



- **1+4:** Main screen can cast 1 image, sub screen can cast 4 images



Note:

In mode 4+1 or 1+4, the first cast screen is fixed even though the 6 cast source comes.

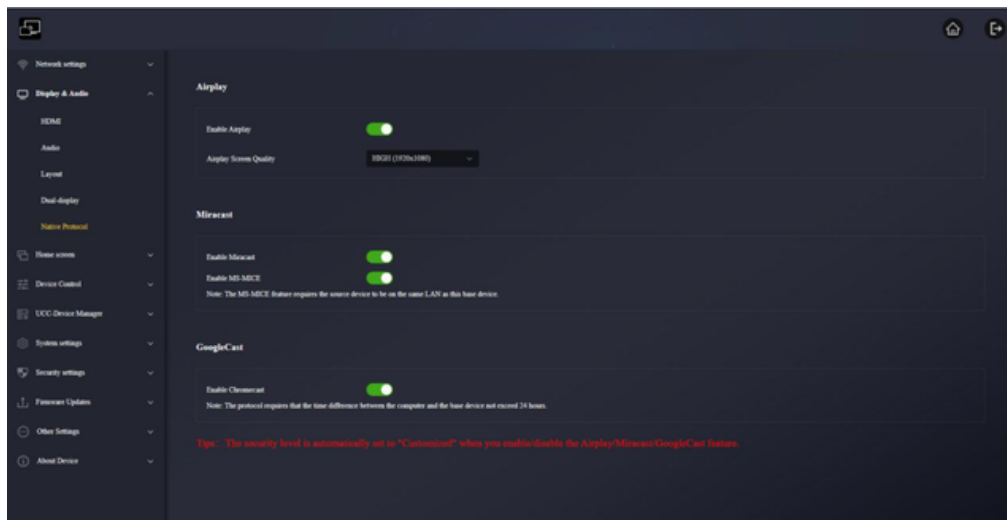
Example:

In 1+4 mode, there are several sources A/B/C/D/E/F for projection. The display logic is as follows.

Main	Sub
A	Home screen
A	B
A	B/C
A	B/C/D
A	B/C/D/E
A	C/D/E/F

6.2.5 Native Protocol

Enabling/disabling third-party protocol, it will adjust the security level to a customized level.



6.2.5.1 Airplay

Airplay switch: enabled by default

Turn on the Airplay switch, it can perform airplay screencasting through Mac, iPhone, and iPad.
Turn off the Airplay switch, it can not perform Airplay screencasting.

Airplay screen projection resolution:

>> High (1920*1080)

>> Medium(1600*900)

>> Low (1280*720)

>> 4k (3840*2160)

Note:

The higher the resolution, the clearer it is, but it will also bring greater delay.

6.2.5.2 Miracast

Miracast switch: enabled by default

Miracast uses the P2P protocol by default, and the maximum supported resolution is 1080p. In this mode, the computer and the base unit do not need to be on the same network. It only needs to press the Windows+K keys to enable the Miracast function. In the searched miracast device Find the 500825 device and click the link to start screencasting.

Miracast MICE protocol switch: off by default

The MS-MICE protocol is an extension of the P2P protocol. To start this protocol, the PC and 500825 need to be in the same LAN. Searching device still uses the P2P protocol, but when transmitting video streams, it uses the LAN. There is no difference in usage from when the MS-MICE protocol is not turned on.

Note:

MS-MICE functionality requires the source device to be on the same LAN as this device.

6.2.5.3 Google Cast

Google Cast switch: enabled by default

Note:

This protocol requires that the time difference between the computer and the base unit does not exceed 24 hours.

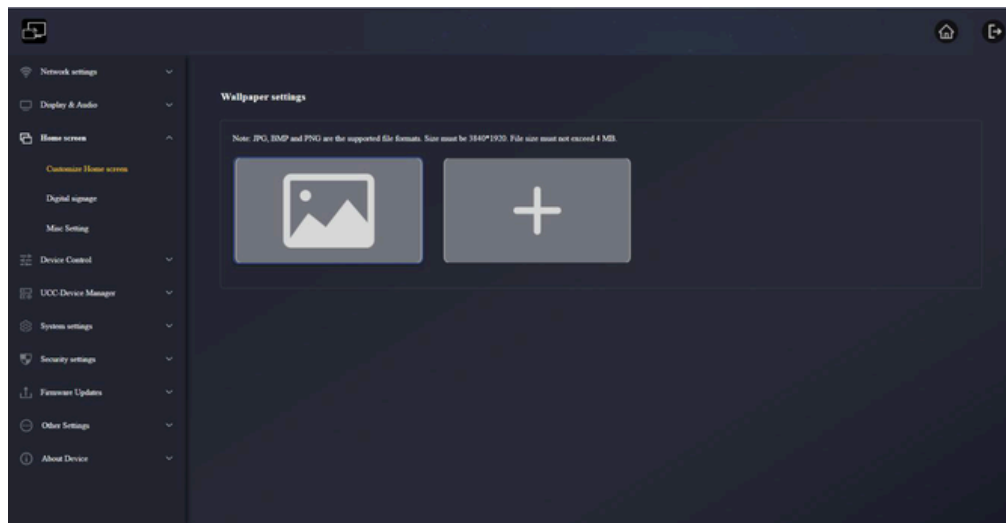
6.3 Home Screen

6.3.1 Customize Home screen

The home screen background can be customized. Click + to add a local image as the home screen background image.

Note:

Currently supported image formats are: JPG/BMP/PNG, the maximum resolution is 3840*2160, and the file size is within 4MB.



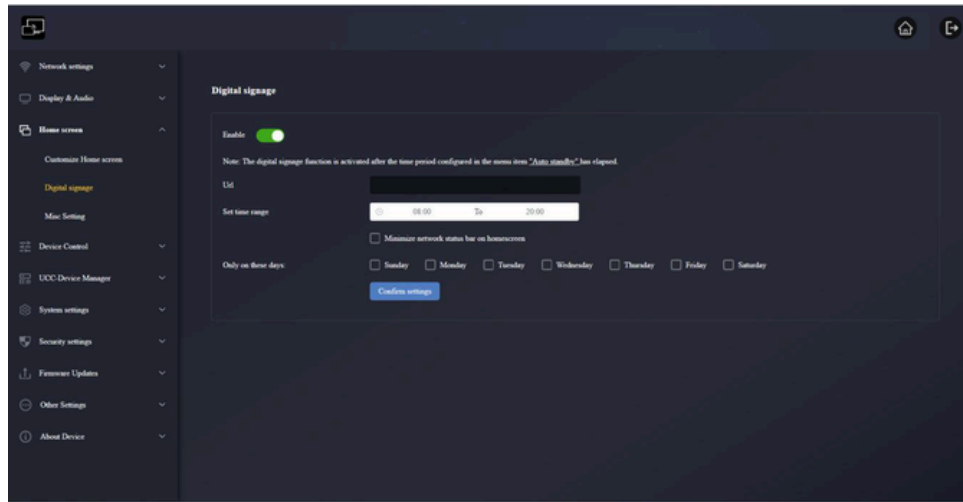
6.3.2 Digital Signage

Switch is off by default

This function can display the web page information you want when the base unit is standby.

Note:

Digital signage functionality will activate when ready for "auto standby".



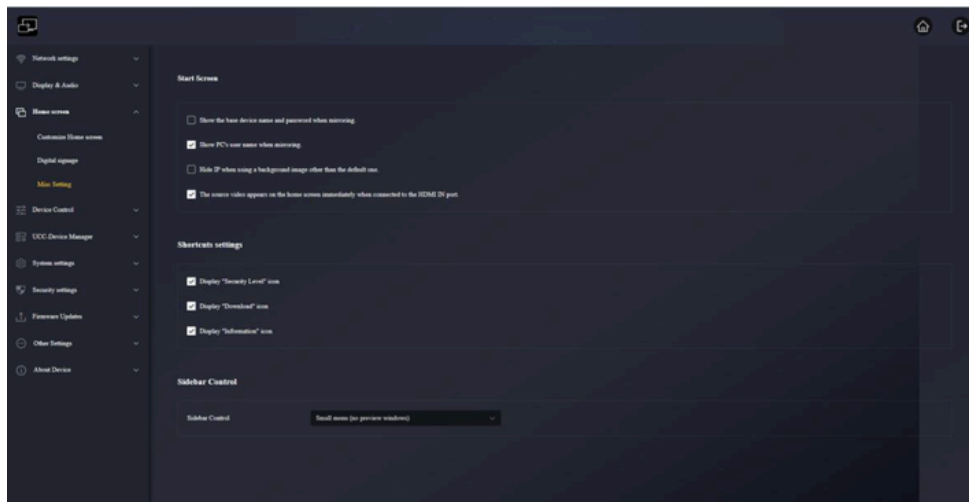
URL: Enter the required URL.

Set time range: Set a time period. During this time period, the monitor will be standby and display the web page information of the URL that set above.

Only on these days: it can set the date you want to display (Monday to Sunday).

It can directly click "Auto Standby" in the prompt on this page to jump to the auto standby page for settings. If the current time is within the set time period, press the power key on the 500825 device to enter the digital signage page. Press the key again to exit and return to the main page.

6.3.3 Misc Setting



6.3.3.1 Start Screen

- **Show the base device name and password when mirroring:** When this option is ticked, the 500825 device ID and password will not disappear when mirroring.
- **Show PC's user name when mirroring:** When this option is ticked, the PC username will be displayed when casting the screen.
- **Hide IP when using a background image other than the default one:** When this option is ticked, the base device wifi IP and LAN IP will not displayed if the background image is not the default one.
- **The source video appears on the home screen immediately when connected to the HDMI IN port:** When this option is ticked, it will cast the screen automatically if an HDMI source is plugged into the 500825 HDMI IN port.

6.3.3.2 Shortcuts Settings

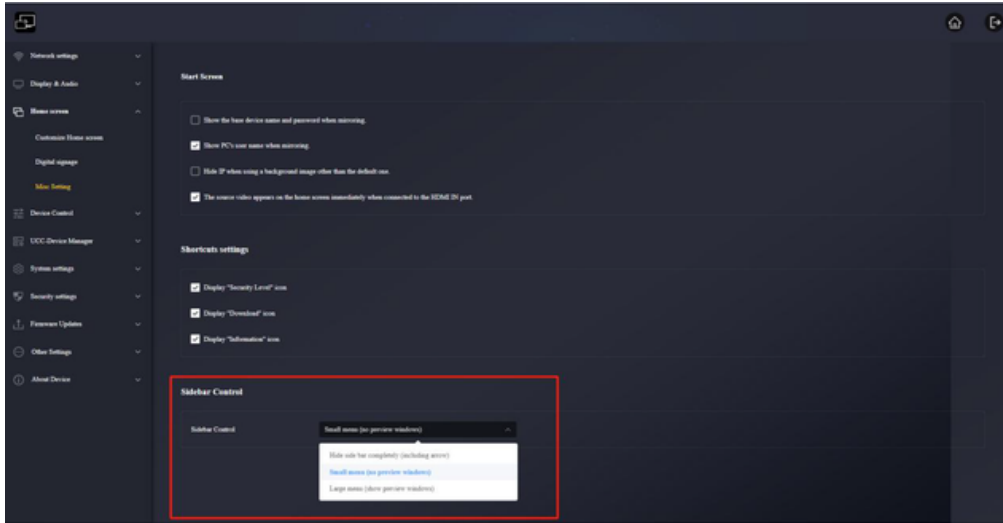
- **Display "Security Level" icon:** The Security Level icon will be displayed on the home screen when ticked. If not, it won't be displayed.
- **Display "Download" icon:** The Download icon will be displayed on the home screen when ticked. If not, it won't be displayed.
- **Display "Information" icon:** The Information icon will be displayed on the home screen when ticked. If not, it won't be displayed.



6.3.3.3 Sidebar Control

- **Hide side bar completely(including arrow):** When choose this item, the side bar won't be shown on the home screen.

- **Small menu(no preview windows):** When choose this item, the side bar will be shown as small menu(including whiteboard, annotation, information icon) on the home screen.
- **Large menu(show preview windows):** When choose this item, the side bar will beshown as large menu as well as the preview window will be displayed on the homescreen.

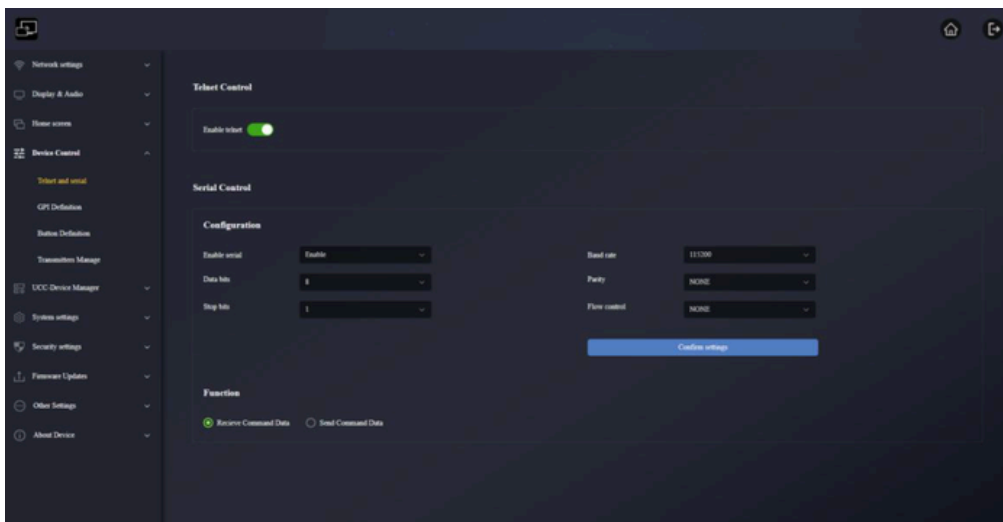


6.4 Device Control

6.4.1 Telnet and Serial

It allows users to configure telnet commands and RS-232 commands to control the 500825

Please contact the supplier for the control command table. In addition, RS232 also supports sending simple commands, such as power on and off, controlling cascaded devices, and realizing simple central control functions.



6.4.1.1 Telnet Control

Enable telnet: enabled by default.

When it is enable, the telnet command can control the device.

When it is not enable, it won't be able to use the telnet command to control the 500825

- Telnet communication via TCP commands, enter the current 500825 IP address and port 23.
- For commands that contain multiple words, spaces are required between each word.
- Commands are not case sensitive.

6.4.1.2 Serial Control

The serial port function is enabled by default. When it is disabled, RS-232 commands cannot be used to control the 500825

For the first use, Set the baud rate, data, parity bit, stop bit, and flow control as needed.

The screenshot shows the 'Serial Control' configuration page. It features a 'Configuration' section with several settings:

- Enable serial:** Set to 'Enable' (dropdown menu).
- Data bits:** Set to '8' (dropdown menu).
- Stop bits:** Set to '1' (dropdown menu).
- Baud rate:** Set to '115200' (dropdown menu).
- Parity:** Set to 'NONE' (dropdown menu).
- Flow control:** Set to 'NONE' (dropdown menu).

A blue 'Confirm settings' button is located at the bottom right of the configuration area.

6.4.1.3 Function

- **Receive Command Data:** Base unit 500825 can receive the command and be controlled
- **Send Command Data:** Base unit 500825 can send the command out to control other device proactively.

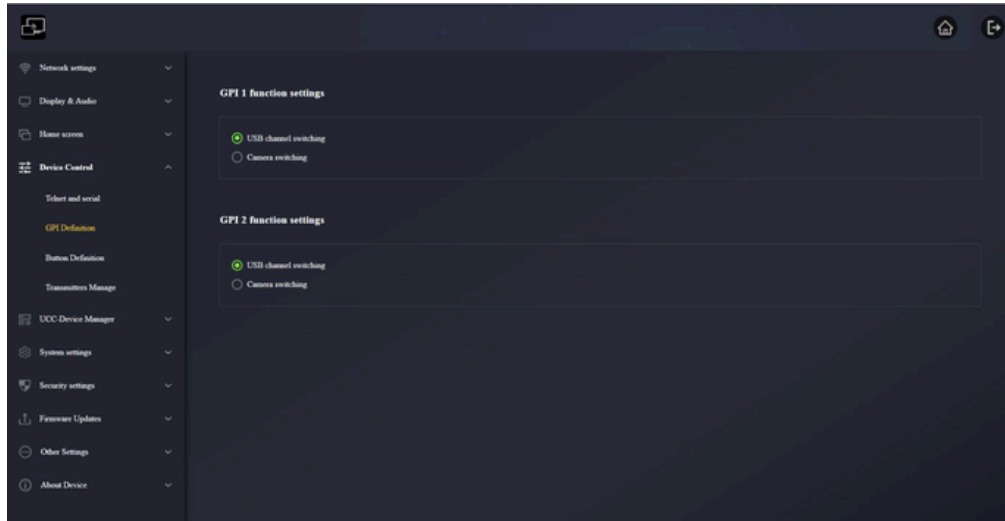
The screenshot shows the 'Function' configuration page. It has two radio buttons at the top: 'Receive Command Data' (unselected) and 'Send Command Data' (selected). Below this, there are three columns of settings:

- Action:** A list of actions: 'power on', 'go to sleep', and 'wake up'.
- ON/OFF:** Three checkboxes, all of which are currently unchecked.
- Delay time (ms):** Three input fields, each containing the value '1000'.
- Command:** Three input fields containing the commands 'Power on', 'Sleep', and 'Wake up'.

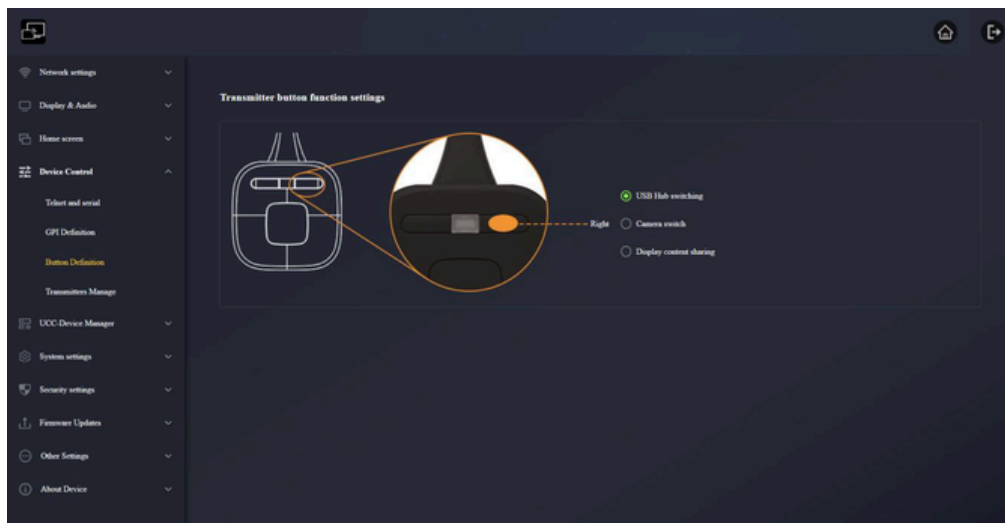
A blue 'Confirm settings' button is located at the bottom center of the page.

6.4.2 GPI Definition

Two GPI inputs, the maximum power frequency supports 5V input, the function of the input port can be customized.



6.4.3 Button Definition



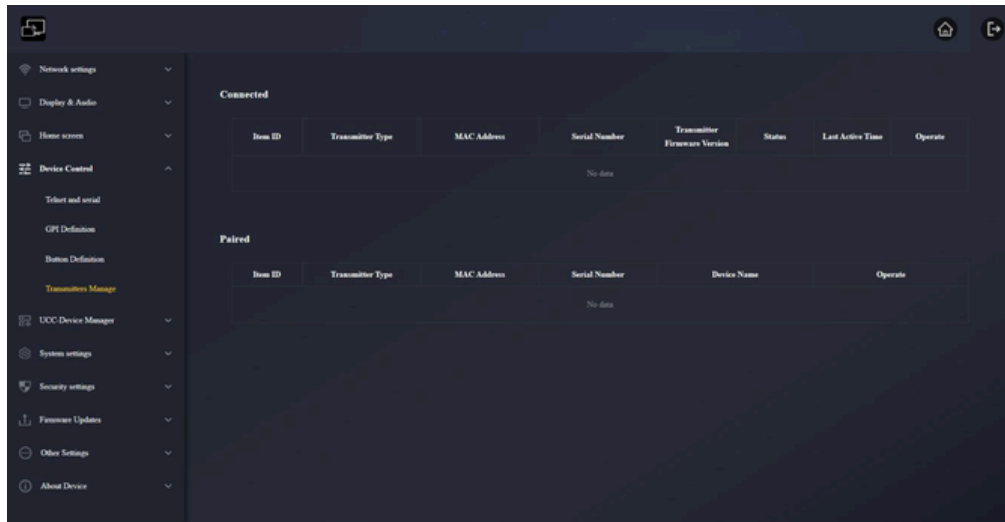
- **USB Hub switching:** When press the button, the USB devices will be switched between USB-B host PC and wireless PC.
- **Camera switch:** When press the button, it can switch between 2 cameras

- **Display content sharing:** This function will capture the content on the selected screen (main screen or sub screen) and create a window for the video conferencing software to do the remote sharing.

Note:

When the mouse is placed on the function options, a prompt for the function will pop up.

6.4.4 Transmitters Manage



Connected: Display the transmitters being connected to 500825 and show the corresponding transmitters information.

Paired: Display the transmitters successfully paired with 500825 and show the corresponding transmitters information.

6.5 UCC-Device Manager

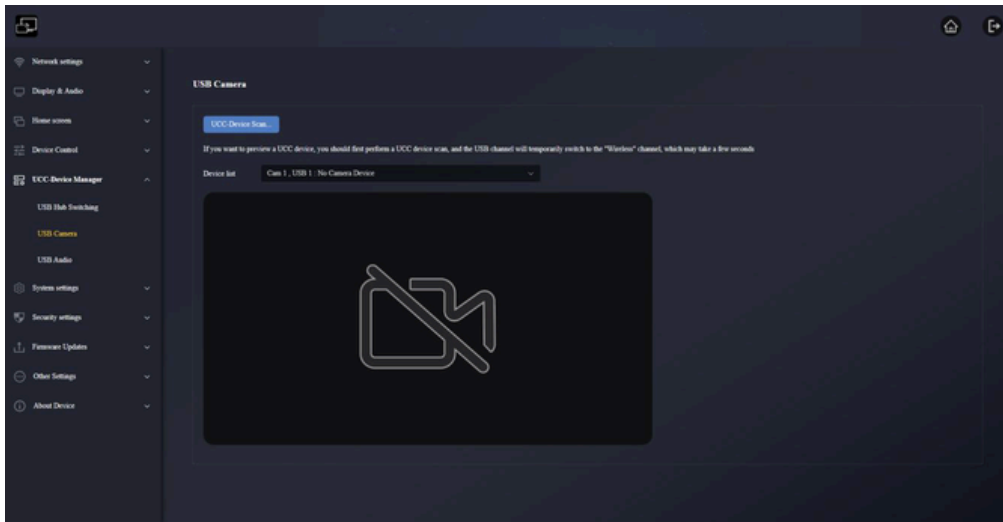
6.5.1 USB Hub Switching

By default the USB devices switching is in auto mode, that means the USB devices are linked to USB-B port by default, when people start the wireless conference and require the USB devices data, the USB devices will be automatically switched to the wireless host PC, and the USB devices will be switched back to USB-B port when the wireless conference is ended; But people can still switch the USB devices manually here to “USB-B” or “Wireless” whenever they need.



6.5.2 USB Camera

It allows users to select and preview the image from the listed USB cameras.



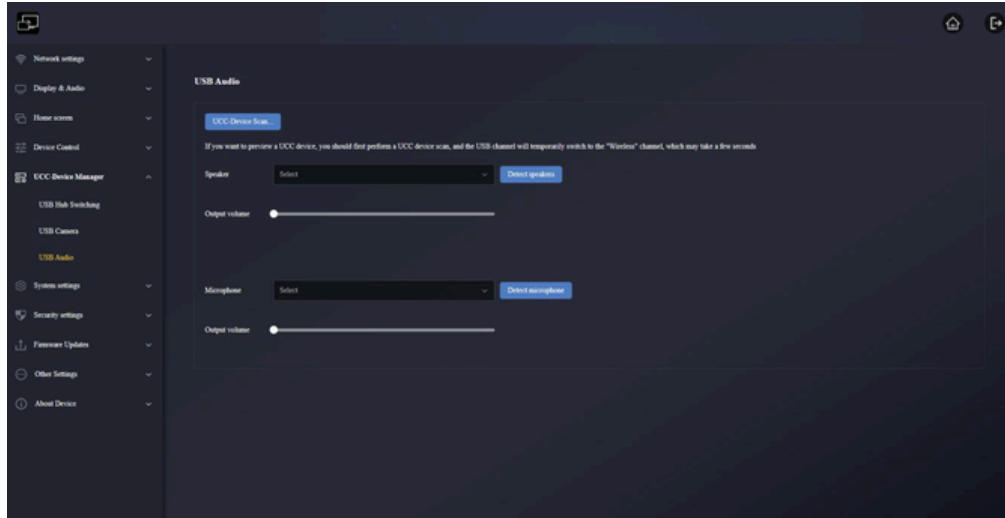
- **UCC-Device Scan:** After clicking, the connected camera devices will be scanned.
- **Device list:** The cameras connected with 500825.

Note:

If wants to preview a UCC-device, it should first use UCC-device scan function, the USB channel will temporarily switch to the "Wireless" mode, this may take a few seconds.

6.5.3 USB Audio

It allows users to select and test the current USB audio device. When multiple microphones or speakers are connected, they can switch the microphone or speaker to be used here.



- **UCC-Device Scan:** After clicking, the connected audio device will be scanned.
- **Detect speakers:** Click this button to test whether the audio device outputs sound normally. Click button again it will cancel.
- **Detect microphone:** Click this button to test whether the audio device inputs sound normally. Click button again it will cancel.

Note:

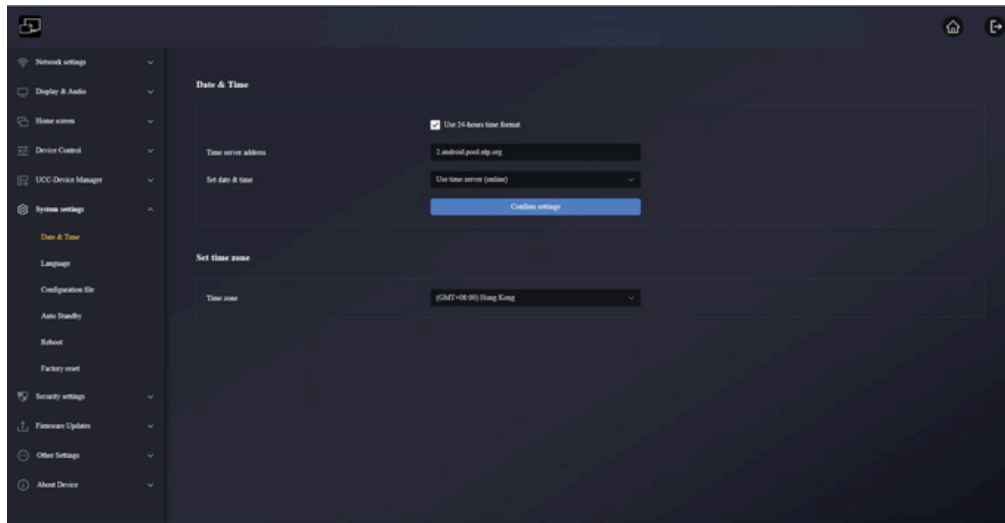
If wants to preview a UCC-device, it should first use UCC-device scan function, the USB channel will temporarily switch to the "Wireless" mode, this may take a few seconds.

6.6 System settings

6.6.1 Date & Time

Use 24-hours time format: If ticked, the time will be displayed in 24-hour time format. If not ticked, the time will be displayed in 12-hour format.

Time Server address: 2.android.pool.ntp.org



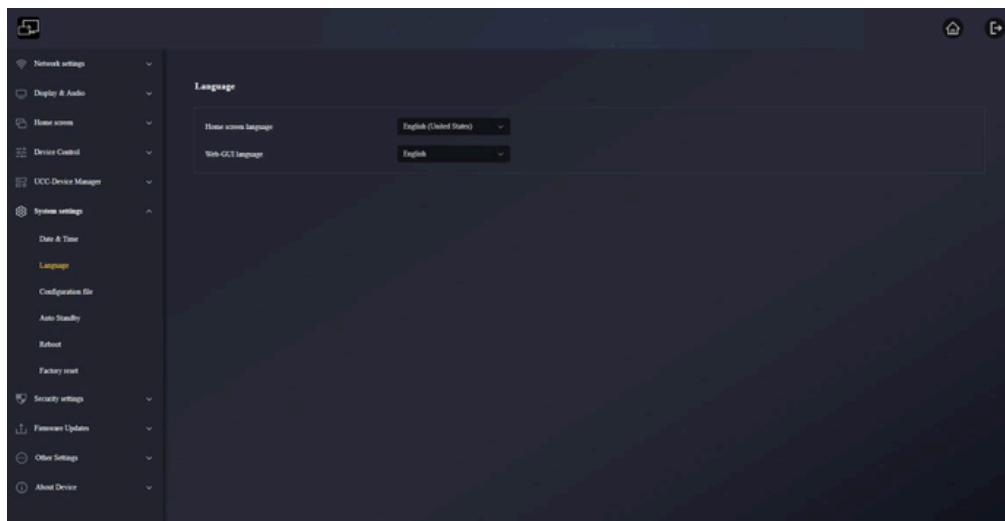
Set date & time:

- **Use time server(online):** Check and use an NTP time server to provide time as system time.
- **OFF:** It can set the date and time manually after turning off the network time.

Time Zone: Click the "Time Zone" option to drop down and select the required time zone.

6.6.2 Language

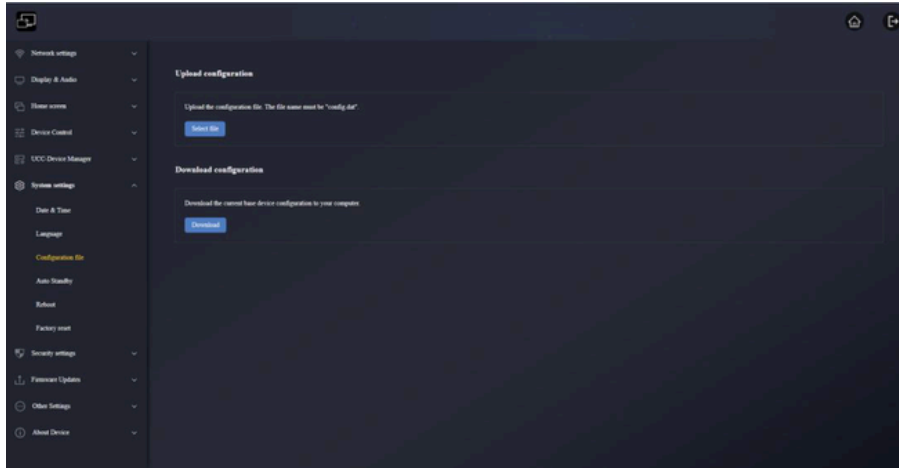
It allow users to select the home screen and web page display language



- **Home screen language:** It can select the language display on home screen here.
- **Web-GUI language:** It can select the language display on Web-GUI here.

6.6.3 Configuration file

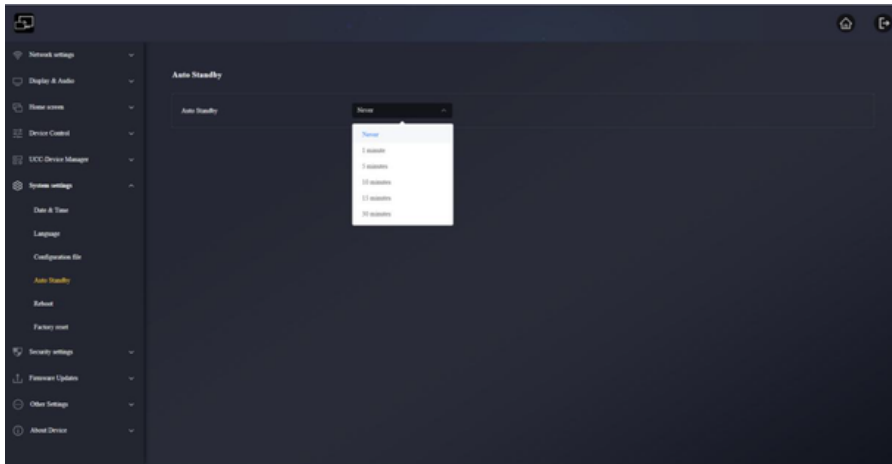
A profile is a downloadable preset that will save all set configuration parameters so that they can be loaded onto other devices.



- **Upload configuration:** The file name must be "config.dat" when upload the file.
- **Download configuration:** It can download the current 500825 configuration to the computer.

6.6.4 Auto Standby

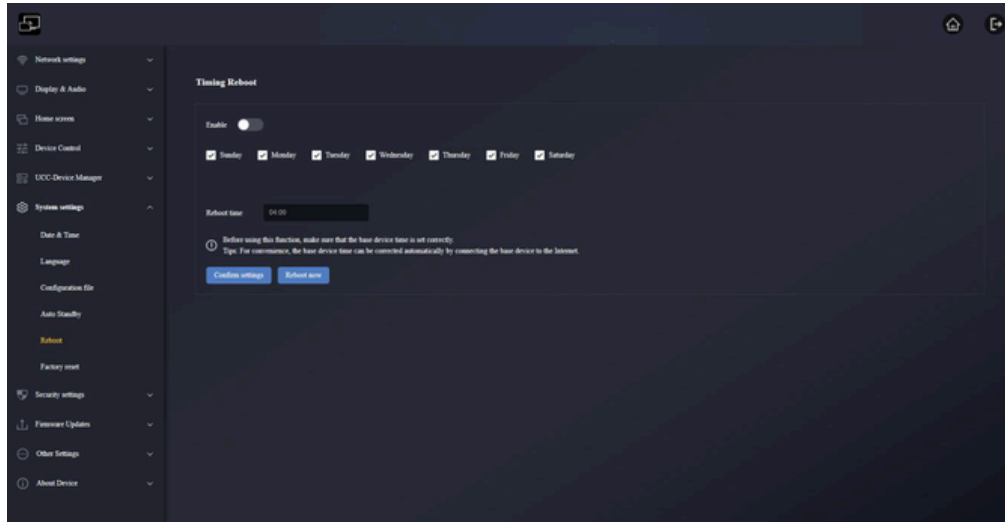
When Auto Standby mode is activated, the 500825 base unit will automatically switch to power saving mode. In standby mode, the green LED on top of the 500825 base unit flashes and the HDMI output is off.



When a 500880 / 500881 is plugged in and connected, or a mobile device is connected, Standby is deactivated. Movement of mouse at USB-input at 500825 base unit deactivates standby mode as well.

6.6.5 Reboot

It allows users to perform scheduled restart and routines for a given week.



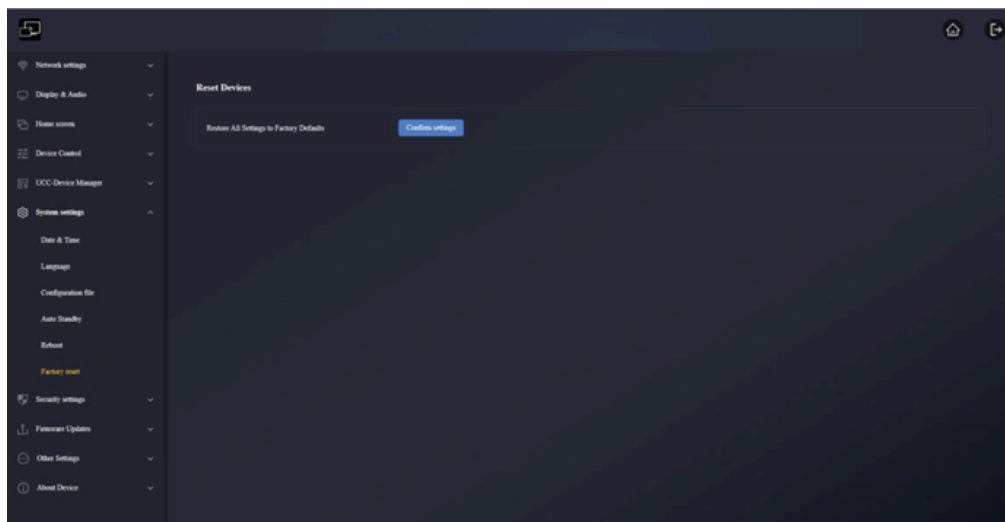
- **Timing Reboot:** The scheduled restart time of the 500825 base unit can be set, and the days that need to be restarted can be selected from Monday to Sunday.
- **Reboot time:** It can set the time to restart manually here.

Note:

Whether scheduled restart is enabled or not, it can click Restart now icon and the 500825 base unit will restart at once.

6.6.6 Factory reset

It allow users to perform a factory reset to restore device default settings.



6.7 Security settings

6.7.1 Security Level

Based on user requirements, three different security levels can be set to satisfy different security requirements. Click on the corresponding entry in the menu to adjust the respective security features. **The default setting is level 1.**

- **Level 1: normal safety**

Keeps the security in normal and daily usage for any organization, such like classroom, regular meeting room etc.

- **Level 2: higher security**

Provides increased security for companies, organizations, government agencies, etc., through powerful encryption of audio and video data; other security features include limiting the transmission of "AirPlay" by introducing a password.

- **Level 3: highest security**

It is used for strict security requirements of companies, organizations, authorities, banks. This level contains all "Level 2" security measures and in addition, all mobile applications as well as the web settings GUI will be blocked. In addition, the downgrade of the firmware will not be possible.



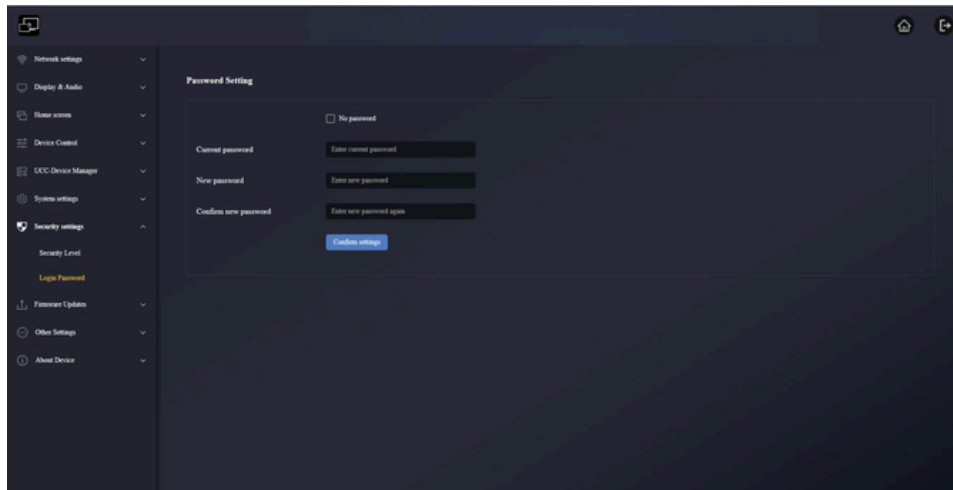
The security level will be displayed in the Home Screen clicking on the icon.



6.7.2 Login Password

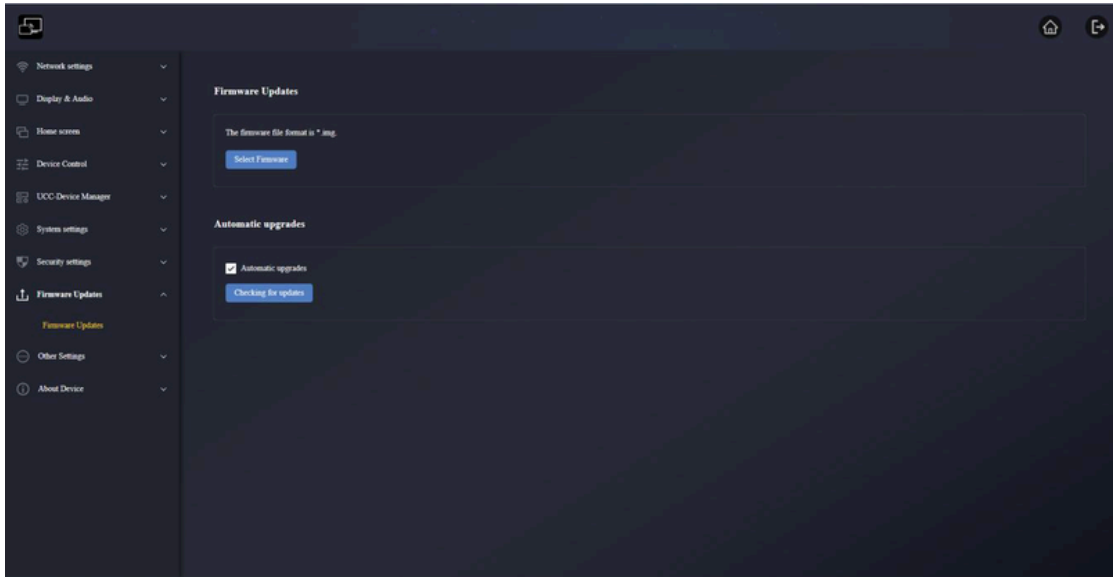
It allows the user to change their password to enter the web settings GUI.

The default password is "admin".



- **No password:** When ticked here, it can log in directly to the web and no need the password to enter.
- **Current password:** Enter the current login password of the base unit.
- **New password:** Enter the new password that wants to set.
- **Confirm new password:** Enter the new password again.

6.8 Firmware Updates

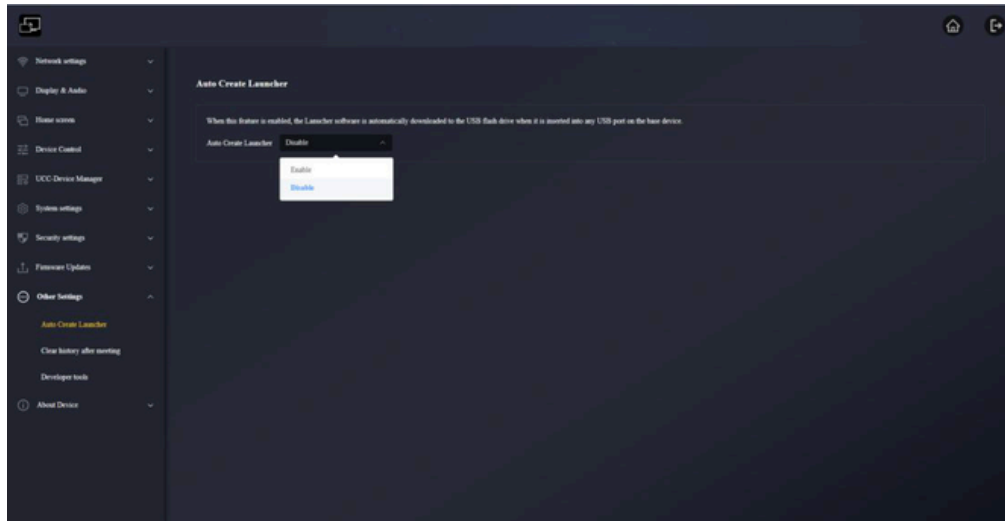


- **Firmware Updates:** Users can upload local update files to upgrade 500825. The firmware file format is *.img.
- **Automatic upgrades:** When ticked, it will automatically detect the new system and update in the early morning. If not ticked, it can manually click the Check for Updates button to detect updates manually.

6.9 Other Settings

6.9.1 Auto Create Launcher

After enabling this function, when a USB flash drive is inserted into any USB port of the base unit, the Launcher software will be automatically downloaded to the USB flash drive.



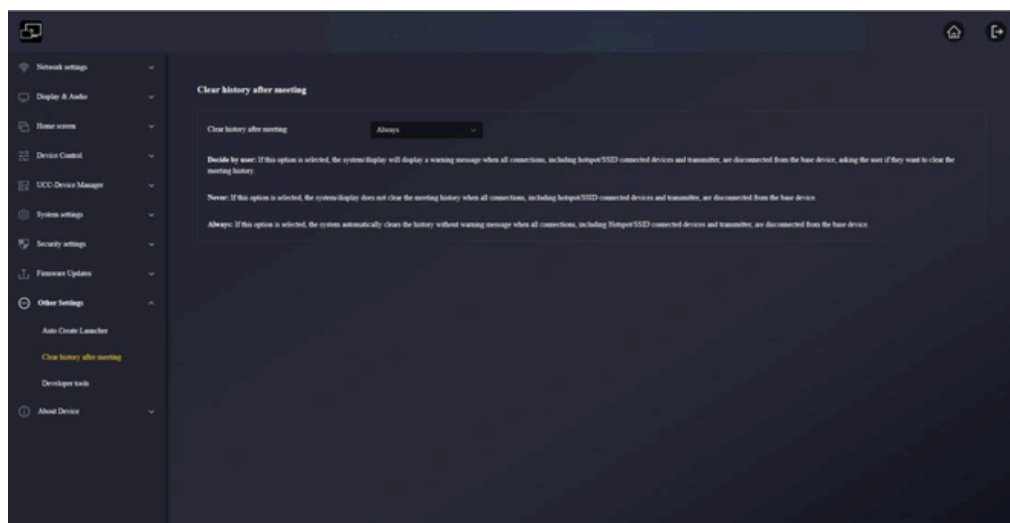
- **Enable:** When the USB flash drive is connected to the base unit, the Windows and mac applications WirelessMedia, user manual, and Android apk will be automatically copied to the USB storage.
- **Disable:** When the USB flash drive is connected to the base unit, the Windows and mac applications WirelessMedia, user manual, and Android apk won't be automatically copied to the USB storage.

Note:

If necessary, it also can click the download button manually on the home screen to download and save to the USB flash drive finally.

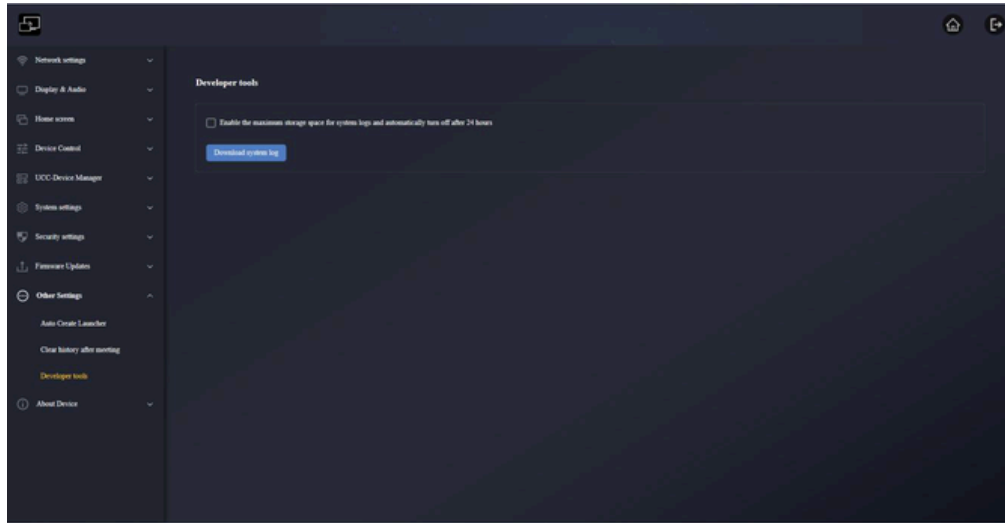
6.9.2 Clear history after meeting

The pictures, videos, and music from the screen mirroring device will be stored in the memory of the Base unit. At the end of the meeting, when removing the transmitter from the laptop/PC, here is an option to clear this memory.



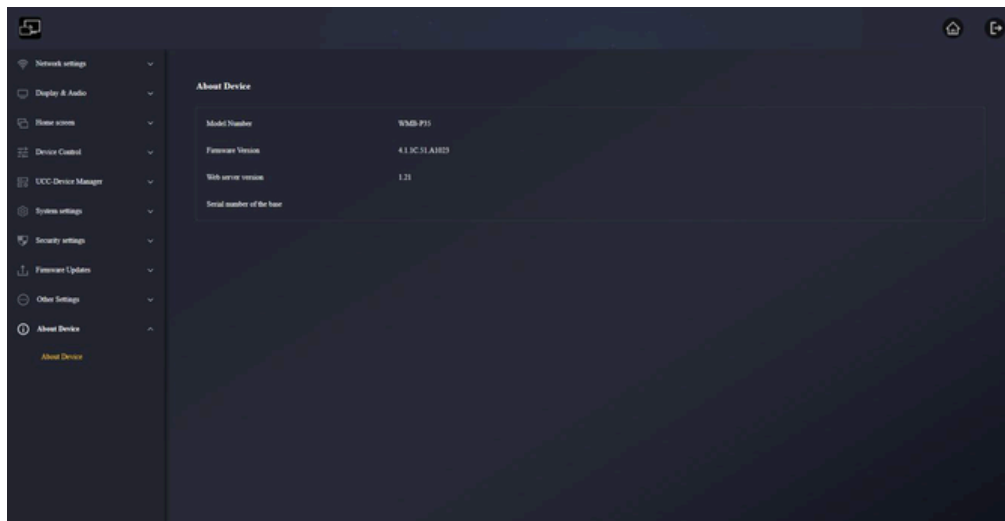
6.9.3 Developer tools

Used to capture the log when a problem occurs. Click Download System Log on icon, and the system will automatically start downloading the log file.



6.10 About Device

The information includes device Model Number, Firmware Version, Web server version, Serial number of the base.



7. FIRMWARE UPDATE

There are three different elements that can require firmware updating:

- Base unit:
 - 500825
- Wireless transmitters:
 - 500880
 - 500881

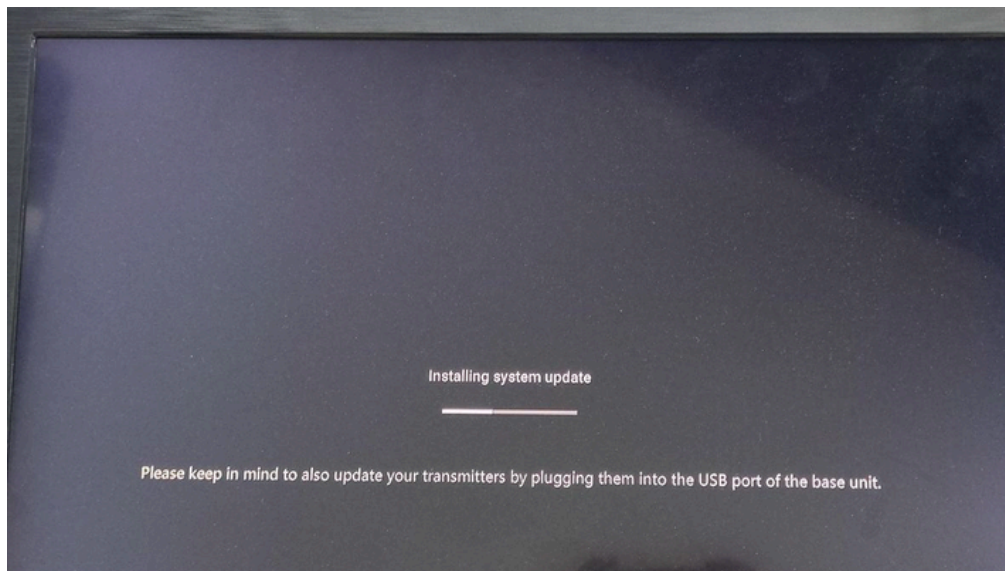
⚠ All software is stored in 500825 base unit and later transferred to the rest of the elements. After updating the 500825 base unit, it is necessary to check whether the other parts need to be updated as well.

7.1 Upgrading Firmware Version of 500825

- **External USB storage drive:**
 1. Copy the updating file “update.img” to the root directory of the USB drive.
 2. Connect the USB drive to either USB 2.0 front port of 500825 base unit.
 3. 500825 recognizes the “update.img”-file at the plugged-in USB stick automatically and starts the “Full Update” procedure. USB stick can be plugged out within 10 seconds to stop the update.

⚠ Do not disconnect power during upgrading progress. Otherwise, the unit firmware will be corrupted.

4. The upgrading progress displays as shown, and the 500825 will reboot automatically after completing the updating.



⚠ During the update, screen can be temporary dark.

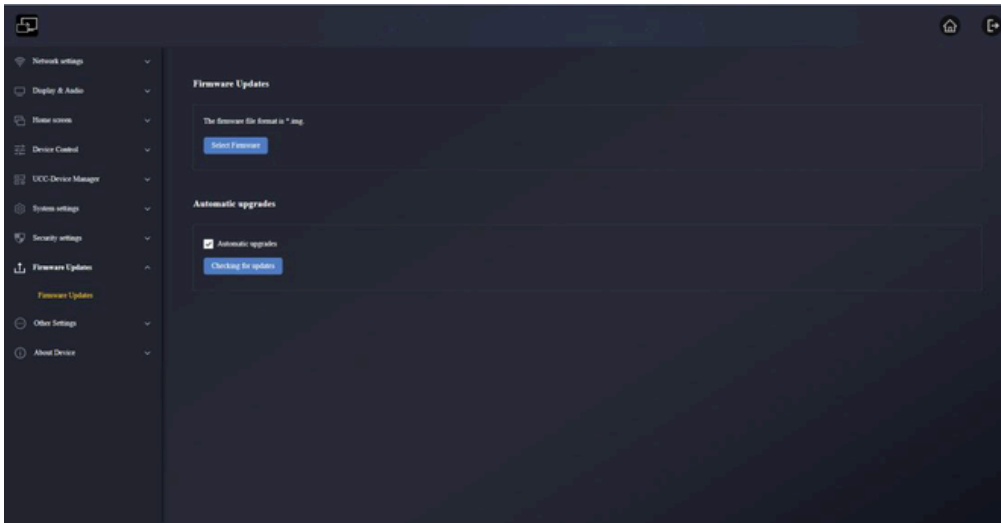
⚠ If the progress bar stops at 1%, use another USB stick, since this one may be defective.

5. The display device shows the Home Screen after normal boot of the device, you can disconnect USB stick.

6. Perform “Factory Reset” when the firmware update is completed.

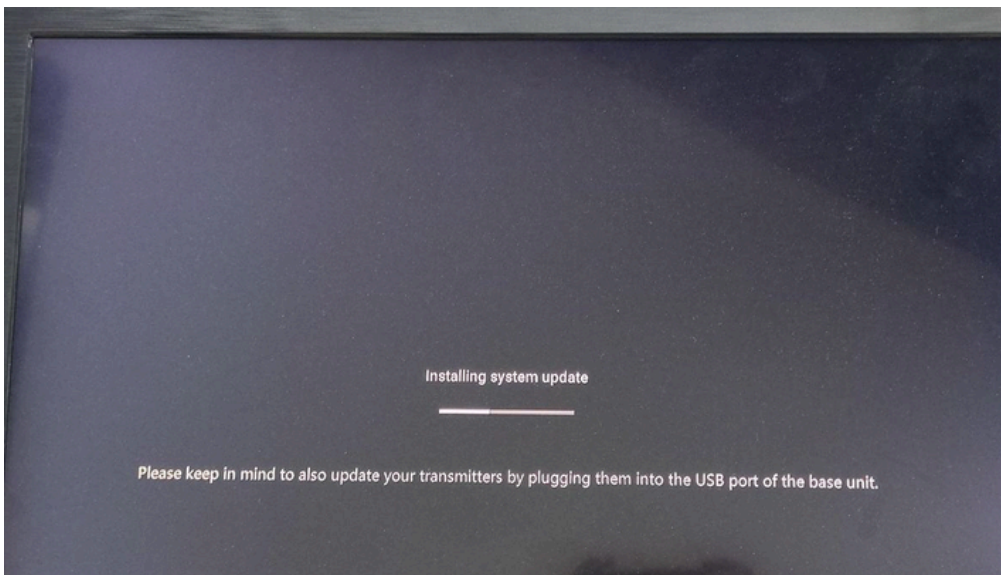
- **Web settings:**

1. Browse to “**Firmware update**” section on Web Settings.



2. Select a “update.img” file.

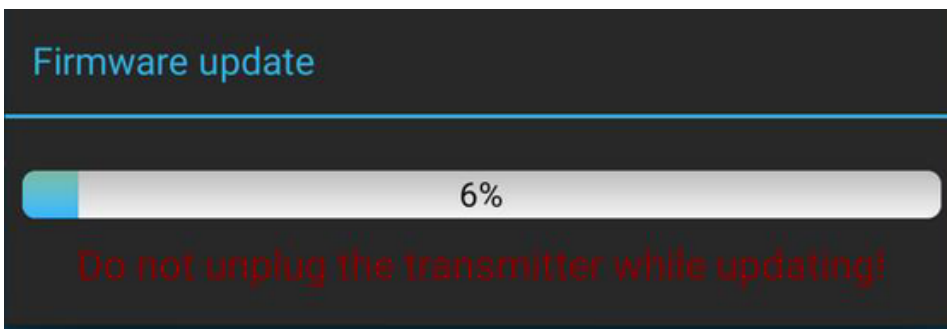
3. The upgrading progress displays as shown below, and the 500825 will reboot automatically after completing the updating.



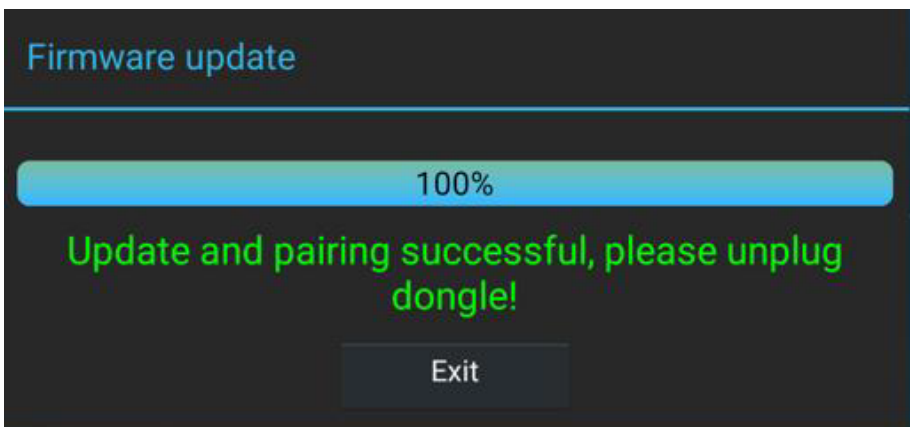
4. The display device shows the Home Screen after normal boot of the device,
5. Perform “Factory Reset” when the firmware update is completed.

7.2 Upgrading Firmware Version of 500880 / 500881

1. Plug the 500880 / 500881 to the according USB front port of 500825 to be updated. It will automatically display up a message to indicate if the installed firmware of wireless transmitter is older and needs to be upgraded.
2. The upgrading progress starts automatically with the progress bar.



3. “Pairing” to the 500825 base unit is done automatically afterwards.



4. Upgrading progress is finished. Plug out the wireless transmitter (500880 / 500881) and it is now ready to use.

9. TROUBLESHOOTING

Here you can find some fundamental problems and possible causes, which can be happen during the use of 500825. Find out the problem in the table below and apply the indicated solution.

Problem	Cause	Solution
Using the 500825 for Android APP in the Android device or Airplay on the iOS device, it can not find the 500825 device.	WiFi password of 500825 changed when android or iOS device is connected to the WiFi of 500825	Reconnect the mobile device by entering password showed on the Home screen.
The image quality on the main display screen is not good.	The quality or length of the cable between the 500825 and the display or the connection between these two.	<ul style="list-style-type: none"> • Replace the cable • Use another cable. • Check the cable to be fasten properly.
	Improper resolution for the main screen.	Change the resolution on the Setting configuration and match it to the native resolution of the main screen.
Bad wireless connection. The connection between the transmitter and the 500825 is not stable.	WiFi problems. <ul style="list-style-type: none"> • Interference in the radio channel. • Overload in the radio channel. • 500825 does not automatically jump to other channels when there are changes in the RF environment. 	<ul style="list-style-type: none"> • Use a WiFi scanner to find a free wireless frequency and channel and select it via the setting configuration. • Check the RF environment if there are frequently changes in WiFi networks in your environment.
	Low signal strength: <ul style="list-style-type: none"> • Cabinets, Metal, walls, construcion elements, which can cause reflections Deteriorating the wireless signal. • Obstacles between 500825 and transmitters cause lowering of the wireless strength and quality. 	<ul style="list-style-type: none"> • Put the 500825 closer to the main screen. • Change orientation of the antennas at the rear panel of 500825 to the transmitter direction. • Remove or limit as much as possible obstructions between the transmitters and 500825. • Avoid placing the 500825 base unit in (metal) cabinets, suspended ceilings, under tables or in adjoining rooms.
Can not get the WirelessMedia application run when plug the transmitter to Laptop.	When you are using 500825 for the first time on your laptop or for guests, you must copy the Launcher program MuxMeet for first on your Laptop / PC. Run this Starter-program. You can run the Starter App without Admin rights.	Download the App via LAN or WiFi of Base-unit. When the Launcher program is pre-installed one time, WirelessMedia is ready to use later immediately.

	Bad connection at USB port on the Laptop.	<ul style="list-style-type: none"> • Reconnect to the USB port. • Try another USB port. • Reboot the Laptop.
	Some types of USB devices might be blocked as the company policy. USB port setting on the Laptop might limit the usage of high power USB device when on battery power.	If possible, change the USB port policy on the Laptop.
Obvious that low video performance (sharpness, audio and video dropouts, video stream is jerking, ...)	<ul style="list-style-type: none"> • The media-player is not ideal. • The video quality also depends on the computing power of the PC / laptop and the interaction and CPU load with other running software applications. • A laptop in battery mode can be switched to reduce the computer power to save energy. However, The transmission of HD video requires a certain amount of CPU power to guarantee the optimum quality of the transmission. 	<ul style="list-style-type: none"> • Use another media-player (VLC player...), another browser. • Update the software of your Video-player to the latest version. • Reduce the CPU usage of other software applications. • Lower the screen resolution of the laptop. • Update driver of graphic card. • End low power mode at laptop.
Video is not shown on screen	The content use HDCP	500825 input cannot support showing HDCP source. If possible, connect the source device to local HDMI input at 500825.
	The display cable (HDMI) is not correctly connected.	Insert the display cable to the display and the Base-unit.
	The displays are switched off.	Switch on the display.
	The 500825 base unit is in standby mode, "Power-LED" is flashing at 500825 Power-supply is missed.	Power off and on again or insert a wireless transmitter into laptop.
The message Window Aero colour scheme appears when using Windows 7 "Windows has detected your computer's following performance is slow..."	500825 uses resource from the GPU. In combination with other programs which do so, Windows 7 sometimes displays this message suggesting disabling Aero to improve the performance of Laptop.	It is safe to ignore this message and choose "Keep the current colour scheme."

When the content is removed from the screen, however, the LEDs on the button are blinking.	Connection to the 500825 is lost.	500825 tries to restore the connection automatically. If it fails, the LEDs on the button start blinking red. Unplug the button from your Laptop and try a new button.
Nothing is shown on the displays at all	The displays are switched off.	Switch on the display
	The display cable is not correctly connected.	Insert the display cable to the display and the 500825.
	The 500825 is in standby mode.	Briefly push the standby button on the 500825 or power off and on again.
There is no LAN connection with the 500825.	Wrong IP address.	<ul style="list-style-type: none"> IP address is not within LAN range. DHCP is not enabled.
There is no WiFi connection between mobile device with 500825.	Wrong WiFi frequency.	Check mobile device to select the correct 2.4GHz or 5GHz.
	Wrong SSID and password	Enter the correct SSID.
Obvious that No audio when transmit local file to 500825.	Unsupportive audio format as below listed, including Dolby MS11, DDCO DTSLBR, DTSE, SRS-THEATERSOUND, DTS_HD, DTS_StudioSound3D.	If possible, reformat it to the other audio format, like DD, DD+, HEAAC, DTS DMP, WMA, DRA, COOK
There is no sound at main display.	No connected audio device.	Make sure, the audio is turned on.
	Volume is set to OFF.	Adjust the volume level at Options in menu of 500825
	The volume level is set too low in the options of the WirelessMedia app program on PC.	Check and adjust the volume in the WirelessMedia app on PC.
	Audio signal may be muted.	Click with the right-mouse button at speaker icon in taskbar and switch on.
	The volume level is set too low.	Adjust the volume level at Options in menu of 500825.
	Audio is muted in mixer of volume in taskbar.	Right-mouse click at speaker icon in taskbar, open mixer and unmute 500825 or “Video Playback”.
	The software of used Videoplayer is not actual.	Check and update Video-player or try another player.
	An active virus scanner can block the Audio.	Please check the filter-settings in virus scanner. De-activate the player for a check.

<p>There is no sound with MacBook.</p>	<p>Maybe the problem of soundflower App, which is integrated in driver WirelessMedia app.</p>	<ul style="list-style-type: none"> • You need Admin-password. • Please check and go to the macOS System Preferences and select the "Security & Privacy" tab. Find the "allow to run/install the sound-flower" there click on "Allow" next to "Matt Ingalls", to allow this sound-flower to install on the Mac Book. • Run the WirelessMedia app again, it'll auto-install the soundflower to the MacBook.
<p>There is no sound via AirPlay.</p>	<p>The volume is set too low, on the mobile device.</p>	<p>Increase the volume on the mobile device.</p>
<p>No sound on the mainscreen, when screen mirroring a video by WirelessMedia APP.</p>	<p>Due to the limit of the Android system, Android doesn't provide an interface to capture the audio. In this case, there is no sound when mirroring the video.</p>	<p>Use transmitter or Apple Airplay to do mirroring when necessary.</p>
<p>Can not update the firmware of the 500825</p>	<p>Flash disk format is NTFS.</p>	<p>Please re-format the flash disk to be FAT format to update it.</p>
<p>Can not work airplay with MacBook / iPhone / iPad.</p>	<p>Operation System's Requirement Mac OS 10.9, iOS 8.0 and later (WirelessMedia app).</p>	<ul style="list-style-type: none"> • To use AirPlay, you must connect the iOS device to the WiFi of 500825 and enable the AirPlay feature in the Control Center. • Update the iOS device to a newer operating system.
<p>Poor video-quality with AirPlay.</p>	<p>There are 2 states for AirPlay: a.) Mirroring: 1: 1 copy of the screen b.) Streaming: Videos from (Internet or Youtube); the image will not be displayed on the iOS device. => picture is jerky.</p>	<p>Please check and reduce "Quality" in settings of Youtube, for example from "Automatic" to 720p.</p>
<p>Can not work with Android device.</p>	<p>Operation System Requirement is that Android 2.3 version and later (WirelessMedia app).</p>	<p>Update to the later OS.</p>

10. TECHNICAL DATA

10.1 Technical Specifications

500825

Video Output	2×HDMI type A 19-pin female connector
Video Output Resolution	HDMI Main: 3840x2160@60Hz, 3840x2160@30Hz 1920x1080@60Hz, 1280x720@60Hz HDMI Sub: 1920x1080@60Hz, 1280x720@60Hz
Video Output Capabilities	HDMI Main: HDMI1.4/HDMI2.0 HDMI Sub: HDMI1.4
Video Output HDCP	HDMI Main: HDCP1.4/HDCP2.2 HDMI Sub: HDCP1.4
Video Input	1×HDMI type A 19-pin female connector
Video Input Resolution	3840x2160@30Hz, 1920x1080@60Hz, 1280x720@60Hz
Video Input Capability	HDMI1.4
Video Input HDCP	HDCP1.4
Analog Audio Output	1×3.5mm computer audio interface
LAN Interface	RJ45 x2; 1000Mbps x2
USB Interface	USB3.0: typeA x2, typeC x1; USB2.0: typeA x4, typeC x1;
Audio Input	AirPlay, Miracast, Chromecast, Windows/MAC App, WMH, WMC
Control Interface	terminal 3.5mm RS232 interface
GPI Interface	Phoenix terminal 3.5mm 2xGPI
Maximum Display Window	≥4+14 (4 main screens + 14 preview control windows)
Maximum Connected Transmitter	≥16
Wireless Data Rate	Up to 1200Mbps
Video Play Frame Rate	20-60 FPS
Transmission Delay	80ms/min
Wireless Transmission Protocol	WIFI IEEE 802.11 a/g/n/ac/ax
Frequency Band	2.4 GHz & 5 GHz
WIFI Antenna	MIMO 2x2, MIMO 1x1
Dimensions (W x D x H)	220mm x 130mm x 34mm 280mm x 130mm x 34mm (including antenna)

Weight	2.05lbs (930g)
Operating Temperature	0c to +40c
Humidity	20%-90% (non-condensing)
Power Supply	12VDC or POE
POE Standard	IEEE802.3at
Power Consumption	30W(MAX)

500880 (optional accessory)

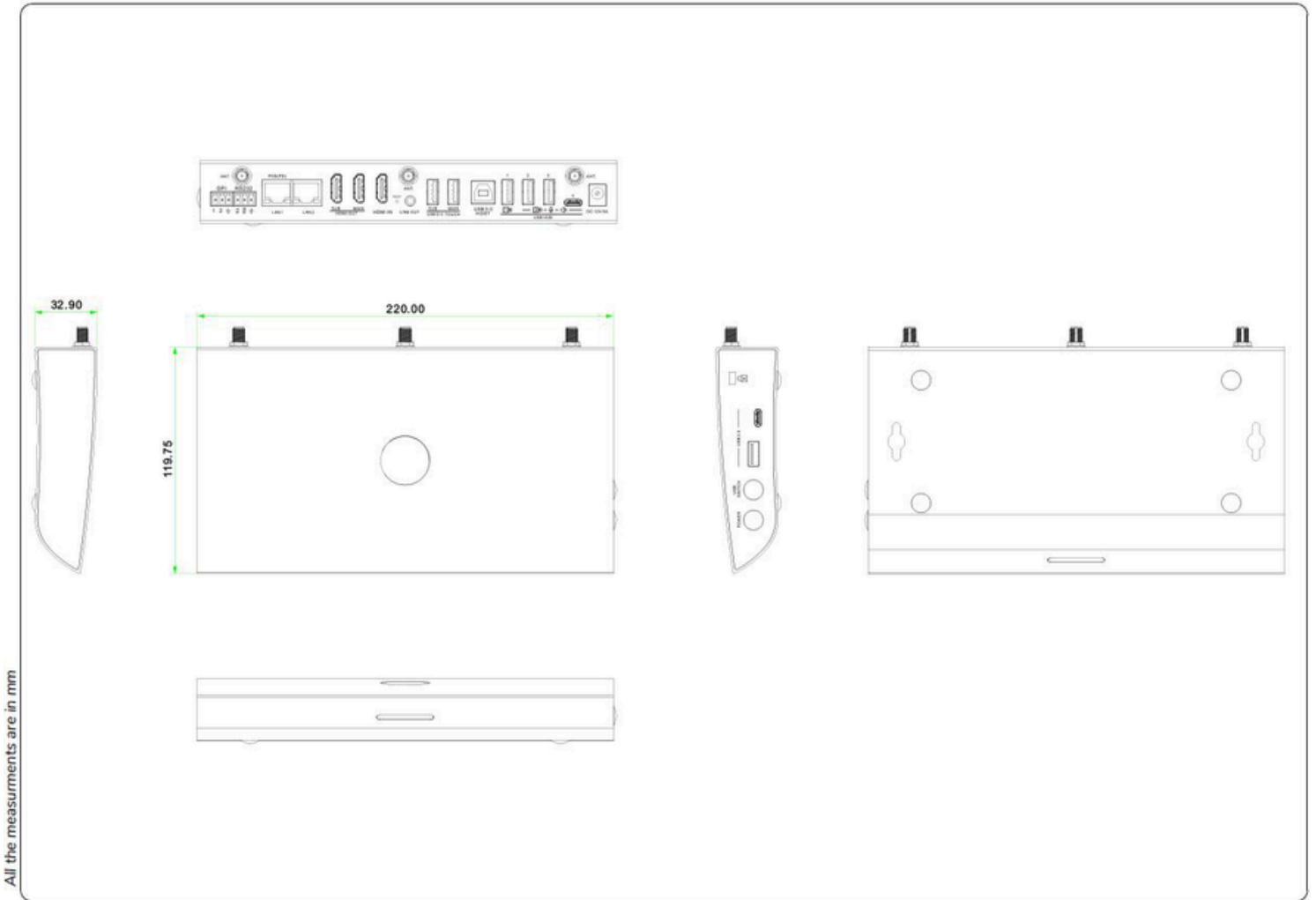
Video Input Connectors	1xHDMI type A 19P male interface
Video Input Resolution	3840x2160@30Hz, 2540x1440@60Hz 1920x1080@60Hz, 1280x720@60Hz
Video Capability	HDMI1.4
HDCP	HDCP1.4
USB Interface	USB 2.0 x1
Audio Input	HDMI PCM 2CH
Control Interface	USB HID touch passback
Video Play Frame Rate	20-60 FPS
Transmission Delay	<100ms
Wireless Transmission Protocol	WIFI IEEE 802.11 a/g/n/ac/ax
Frequency Band	2.4 GHz & 5 GHz
WIFI Antenna	MIMO 2x2
Wireless Data Rate	Up to 1200Mbps
Dimensions (W x D x H)	80cm x 65cm x 1.3cm HDMI cable length: 11cm USB cable length: 21cm
Weight	0.2lbs (100g)
Operating Temperature	0c to +40c
Humidity	20%-90% (non-condensing)
Power Supply	USB
Power Consumption	2.5W(MAX)

500881 (optional accessory)

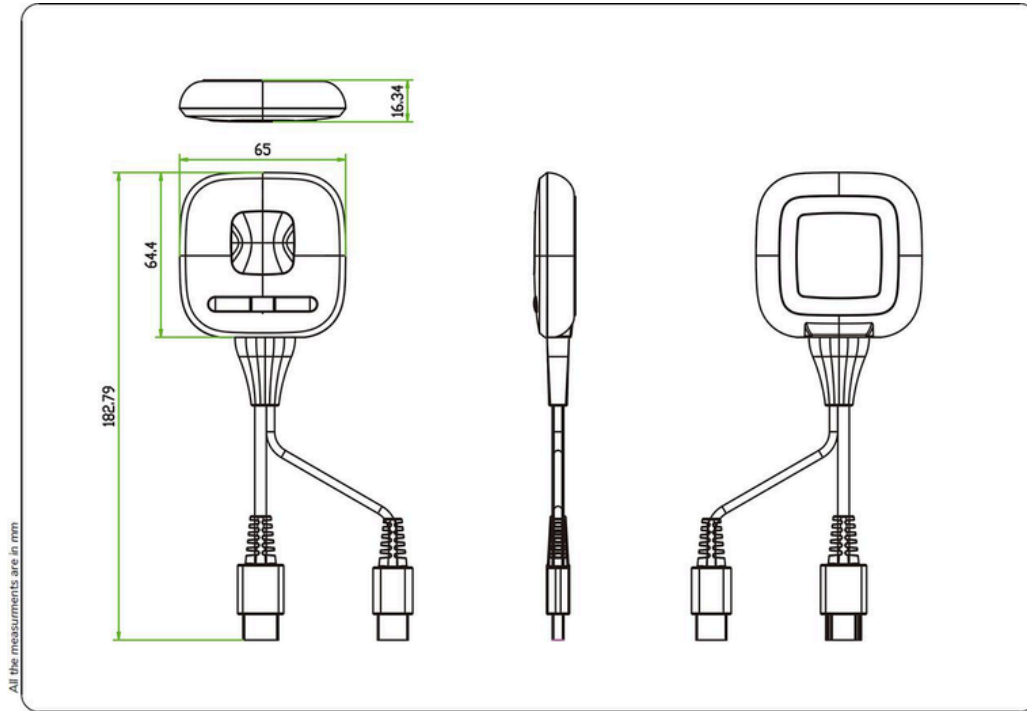
Video Input Connectors	1xUSB-C 24P male interface
Video Input Resolution	3840x2160@30Hz, 2540x1440@60Hz 1920x1080@60Hz, 1280x720@60Hz
Video Capability	DP1.2
USB Interface	USB 2.0 x1
Audio Input	HDMI PCM 2CH
Control Interface	USB HID touch passback
Video Play Frame Rate	20-60 FPS
Transmission Delay	<100ms
Wireless Transmission Protocol	WIFI IEEE 802.11 a/g/n/ac/ax
Frequency Band	2.4 GHz & 5 GHz
WIFI Antenna	MIMO 2x2
Wireless Data Rate	Up to 1200Mbps
Dimensions (W x D x H)	80cm x 65cm x 1.3cm HDMI cable length: 11cm USB cable length: 21cm
Weight	0.2lbs (100g)
Operating Temperature	0c to +40c
Humidity	20%-90% (non-condensing)
Power Supply	USB
Power Consumption	2.5W(MAX)

10.2 Mechanical Diagram

500825



500880



500881

