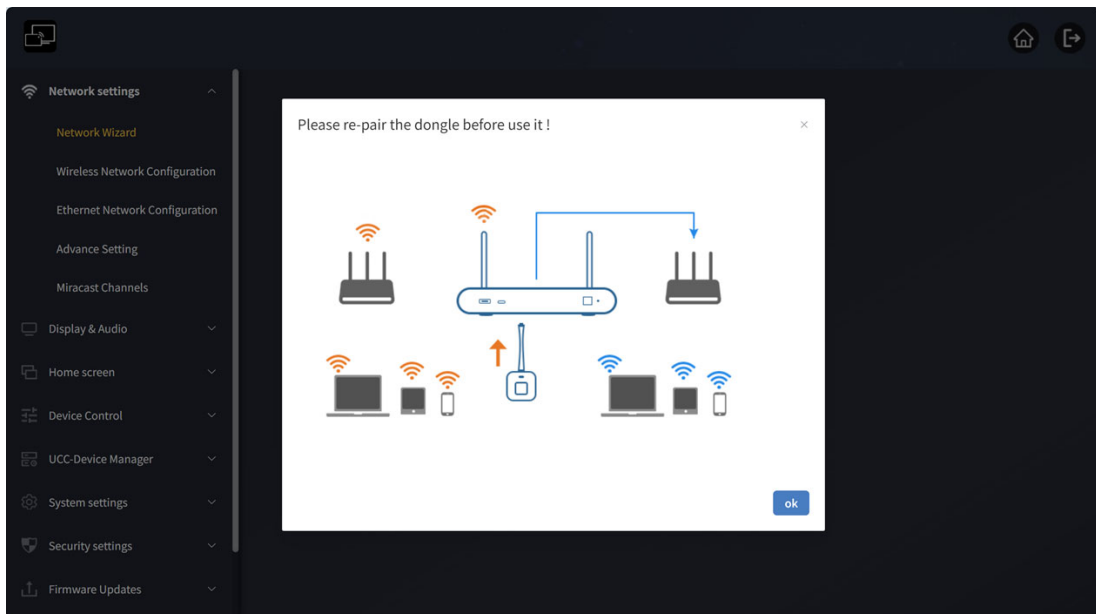


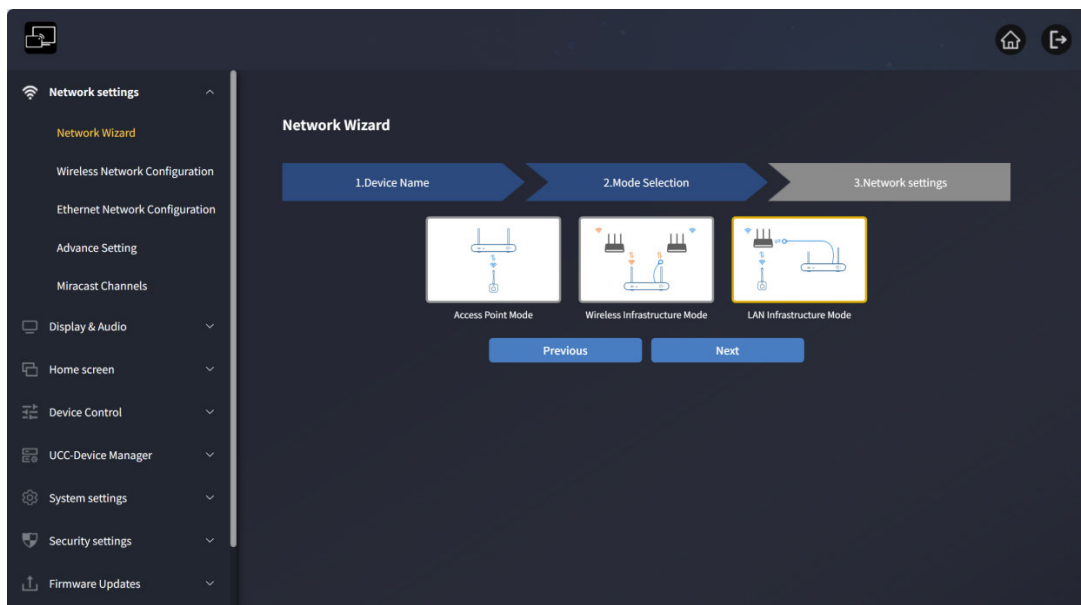
- **Password:** Enter the LAN password.

Note: Typically in this mode, the dongle is paired to a dedicated employee network within the corporate network for enhanced security.

2. Click "Submit Settings" to complete configuration. Then re-pair the wireless dongle with WMS42M.



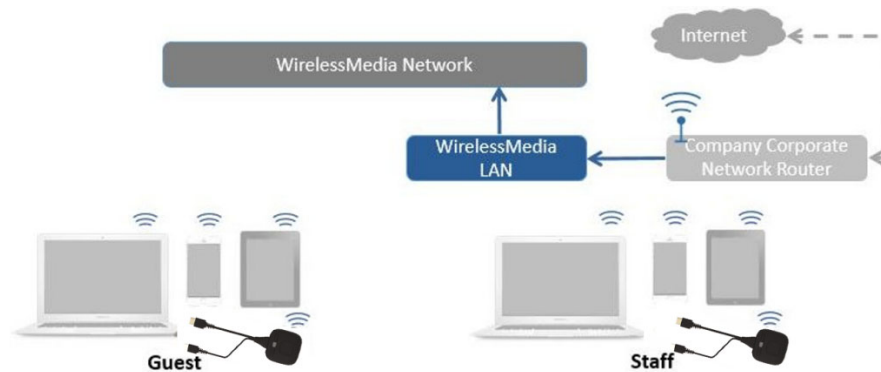
• Wired Bridge Mode



In this configuration, WMS42M's built-in WiFi access point is disabled.

Dongle and mobile devices can connect to the corporate network. The WMS42M receiver connects to the company's wired network via an Ethernet cable.

This mode is mainly used when the guest network is disabled, and only the employee network is in use.



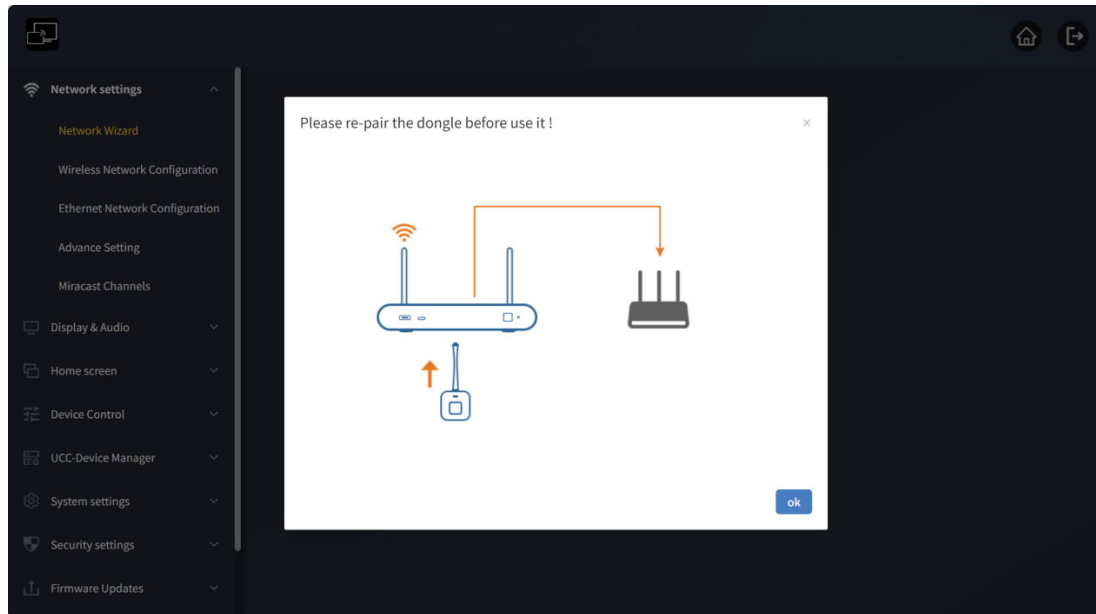
1. Click "Next", select the LAN network for company employees, and re-pair the wireless dongle to this network.

Select a router for the base unit to connect: Choose the wired network used by employees (matching the wired network connected to the LAN port).

Password: Enter the connection password.

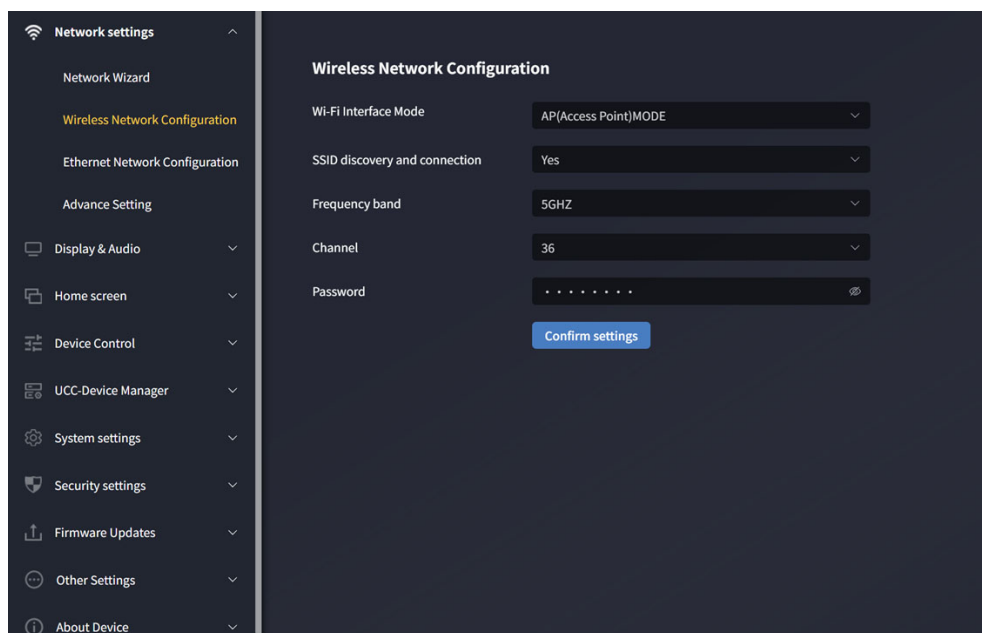
The screenshot shows the 'Network Wizard' interface. On the left is a sidebar with various settings options. The main area displays the '2.Mode Selection' step. It includes a progress bar with three steps: '1.Device Name', '2.Mode Selection', and '3.Network settings'. Below the progress bar, there is a checkbox labeled '5GHz ONLY' which is checked. Underneath, there is a section 'Select Wi-Fi (SSID) to connect Base' with a dropdown menu showing 'Redmi_E40F_5G(signalLevel: 99%)'. Below this is a 'Password' field with a red error icon. At the bottom, there are 'Previous' and 'Submit' buttons.

2. After successful submission, re-pair the wireless dongle with WMS42M.



6.1.2. Wireless Network Configuration

For detailed configuration of the three modes on this page, refer to the "Network Wizard" section above.



Wireless operating modes: Hotspot Mode, Station Mode, Off.

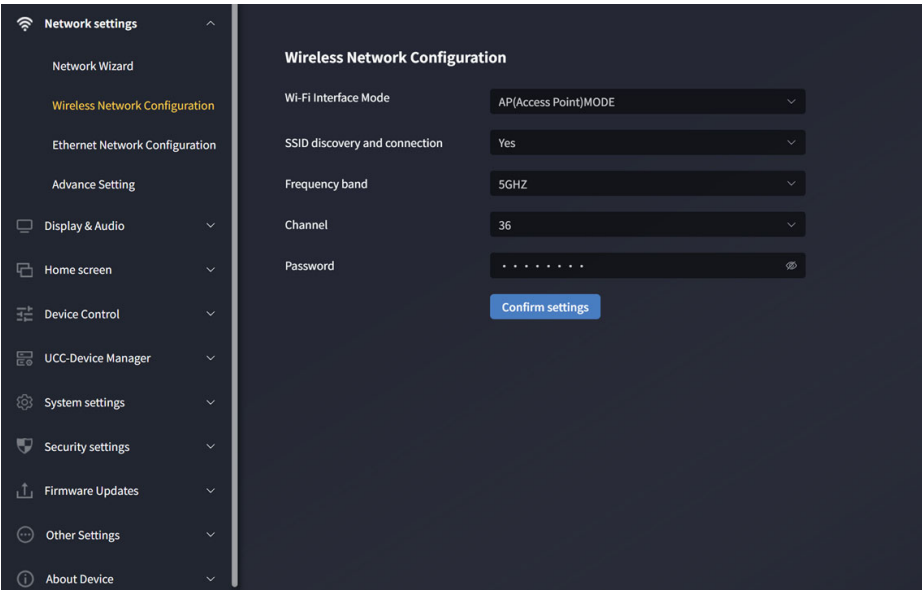
You can directly set the network mode here as: Wireless Direct, Wireless Networking, or Wired Networking.

The network mode set in the Network Wizard page will sync to this page, and vice versa.

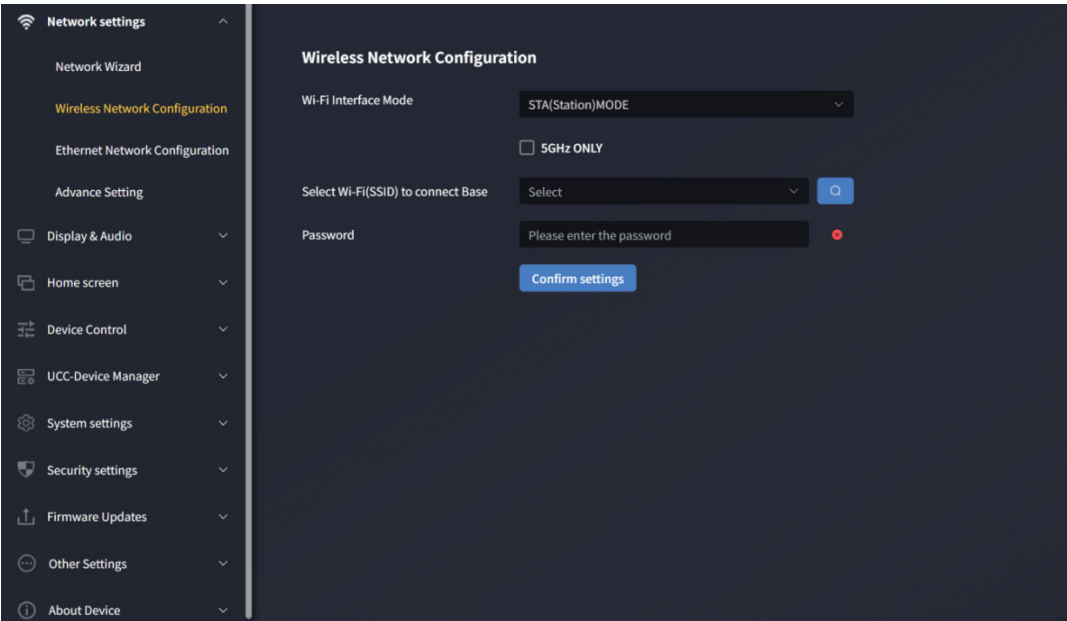
6.1.2.1. Hotspot Mode

This page displays Hotspot Mode when the network mode is set to Wireless Direct.

In Hotspot Mode, you can directly configure settings for Wireless Direct Mode.

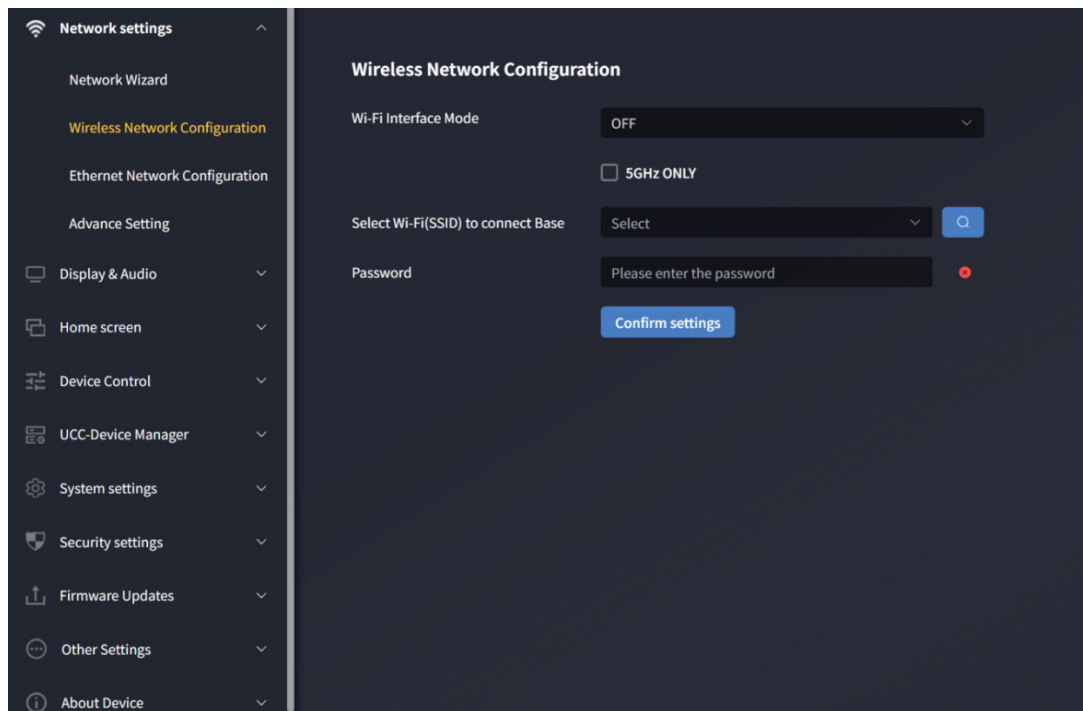


6.1.2.2. Station Mode



This page displays Station Mode when the network mode is set to Wireless Bridge. You can directly configure the network connected in Wireless Bridge Mode here.

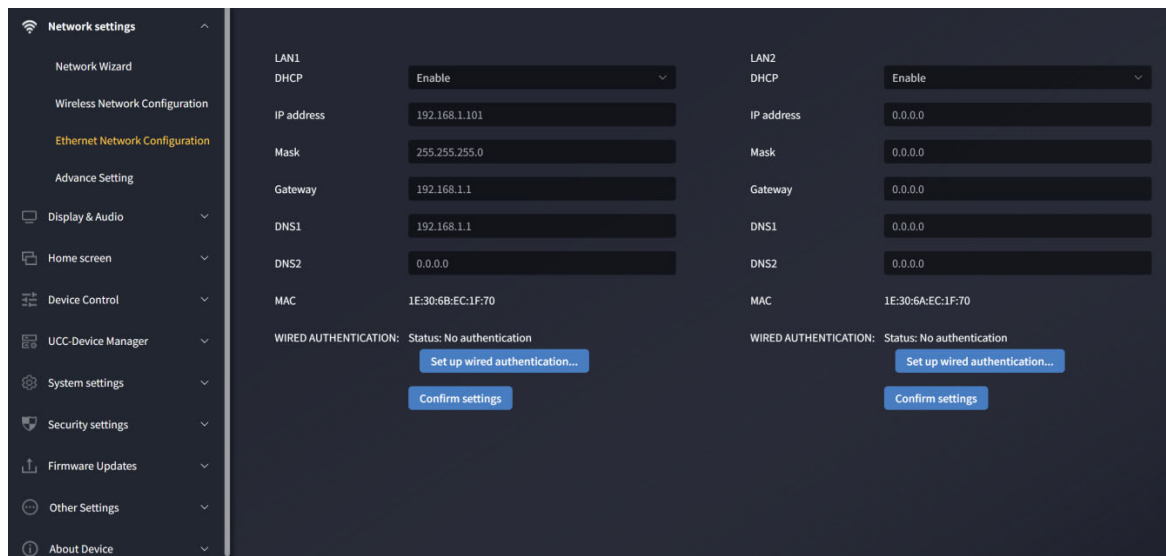
6.1.2.3. Off



This page displays "Off" When the network mode is set to Wired Bridge.

You can directly configure the wired network connected in Wired Bridge Mode here.

6.1.3. Wired Network Configuration (Allows configuration of wired LAN 1 and LAN 2 settings)



- DHCP: If a DHCP server exists on the network, this enables automatic IP address assignment. To configure a static IP, disable this first.
- Subnet Mask: Allows entry of the required network mask.
- Gateway: Allows entry of the required IP gateway.
- DNS1-2: Allows entry of required DNS servers.

- **Wired Authentication Status:** Configures wired authentication (None, EAP-TLS, EAP-TTLS, PEAP).

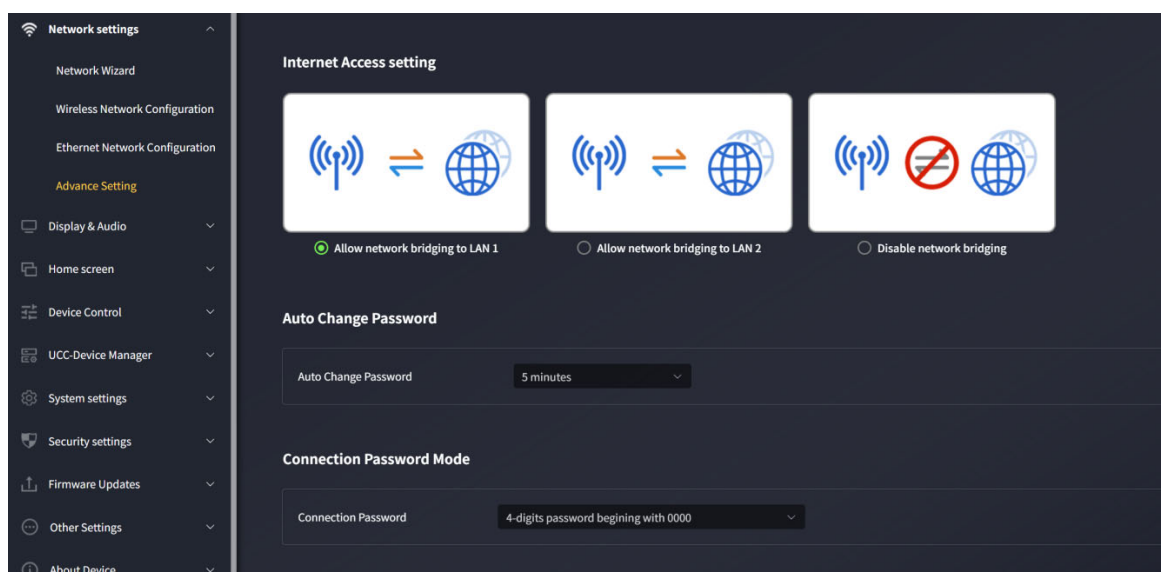
6.1.4. Advanced Settings

6.1.4.1. Internet Access Settings

In Wireless Direct Mode, you can directly change WMS42M's internet connection methods here:

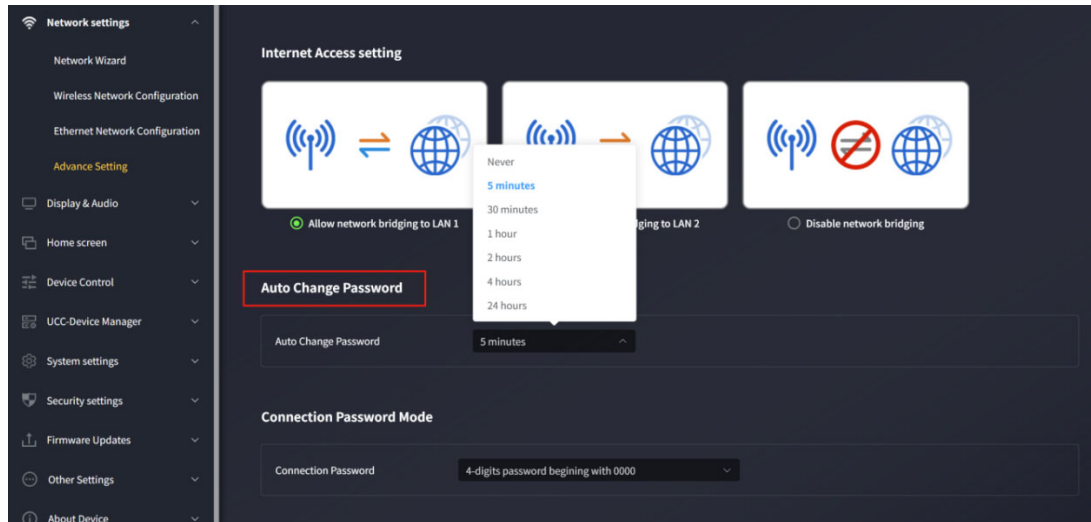
1. Allow base unit internet access via LAN 1 port
2. Allow base unit internet access via LAN 2 port
3. Disable internet access

For detailed configuration and functions, refer to the Wireless Direct Mode settings in the "Network Wizard" section.



6.1.4.2. Auto-change Password

The password for all meeting participants remains unchanged while at least one wireless dongle or mobile device is connected to the WMS42M receiver. A configurable timeout starts after the user disconnects. If the password is changed, users do not need to re-pair the dongle.



1. Configure to automatically change the WiFi password to a random number at regular intervals.

2. Click to set the configuration:

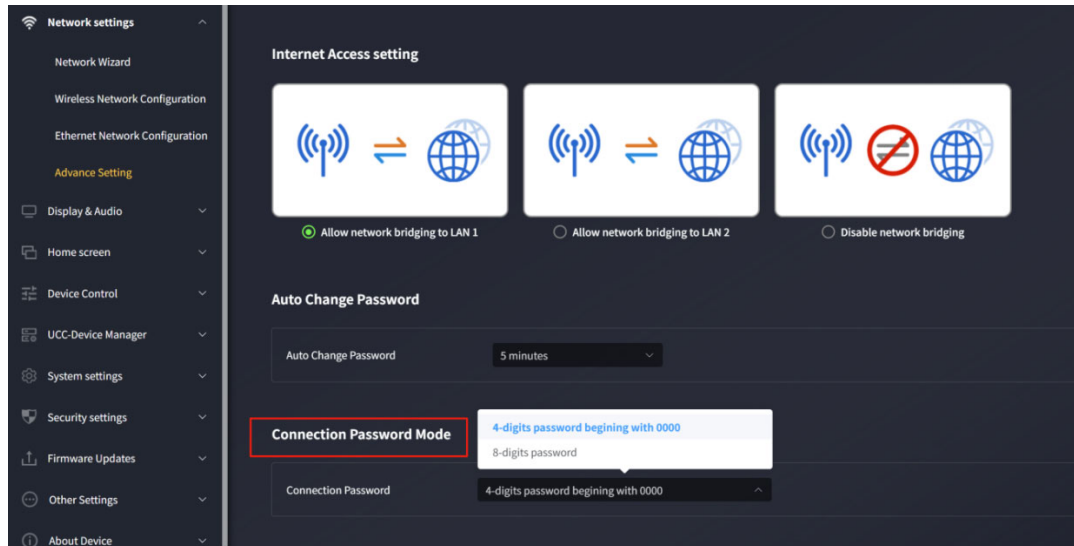
Never: Never change the WiFi password (even after power-off).

- 5 minutes: Change the WiFi password every 5 minutes.
- 30 minutes: Change the WiFi password every 30 minutes.
- 1 hour: Change the WiFi password every 1 hour.
- 2 hours: Change the WiFi password every 2 hours.
- 4 hours: Change the WiFi password every 4 hours.
- 24 hours: Change the WiFi password every 24 hours.

6.1.4.3. Connection Password Mode

Two password formats can be displayed on the main screen:

- 4-digit password, starting with 0000
- 8-digit password

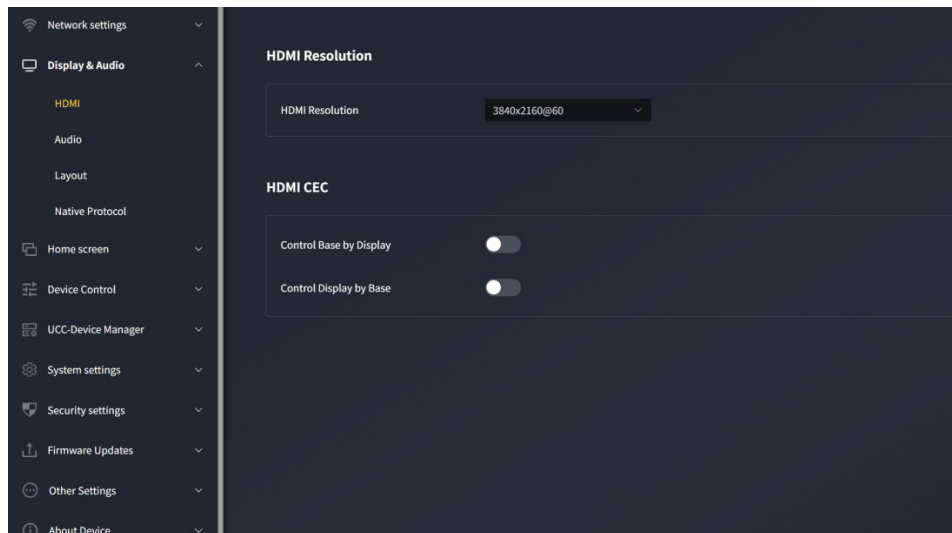


6.2. Display and Sound

6.2.1. HDMI

6.2.1.1. HDMI Resolution Setting

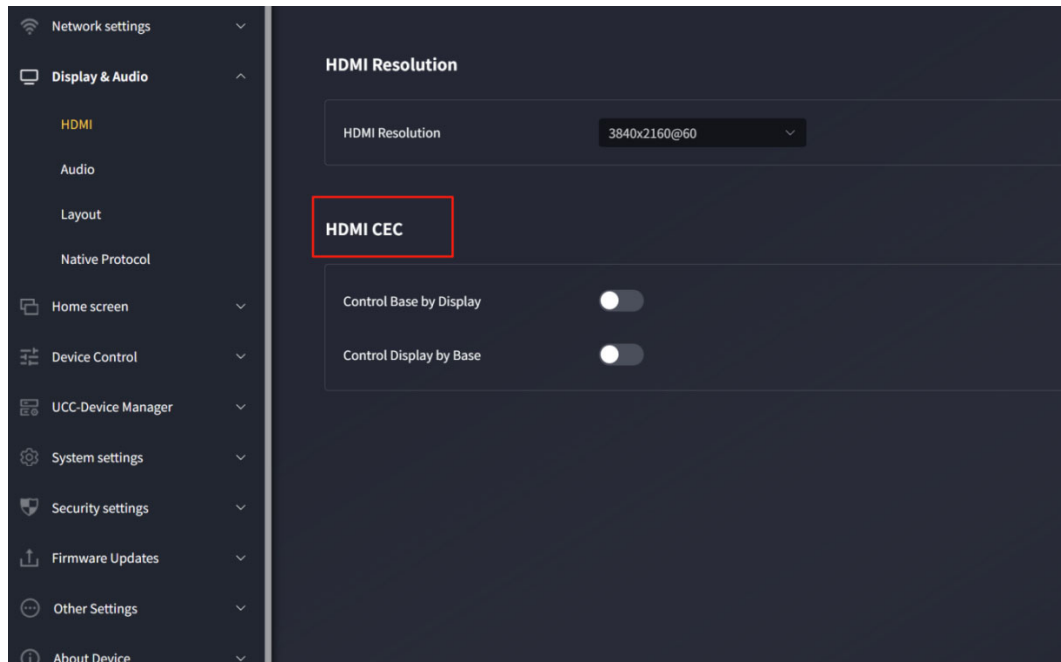
- Select the HDMI output resolution of the receiver.
- Auto
- 3840x2160@30
- 4096x2160@60
- 4096x2160@50
- 4096x2160@30
- 4096x2160@25
- 4096x2160@24
- 3840x2160@60
- 3840x2160@50
- 3840x2160@30
- 1920x1080@60
- 1920x1080@50
- 1920x1080@30
- 1280x720@60
- 1280x720@50



If the display only supports Full HD, 4K resolutions will not appear in the list.

6.2.1.2. HDMI CEC

If the connected display supports CEC, WMS42M supports CEC functionality.



- Allow display to control the base unit

With this option, you can choose whether the connected WMS42M base unit automatically enters standby mode immediately after the display is turned off.

- On: Once the display is turned off, the WMS42M base unit also turns off automatically.
- Off (default): The display is turned off, but WMS42M does not turn off automatically.

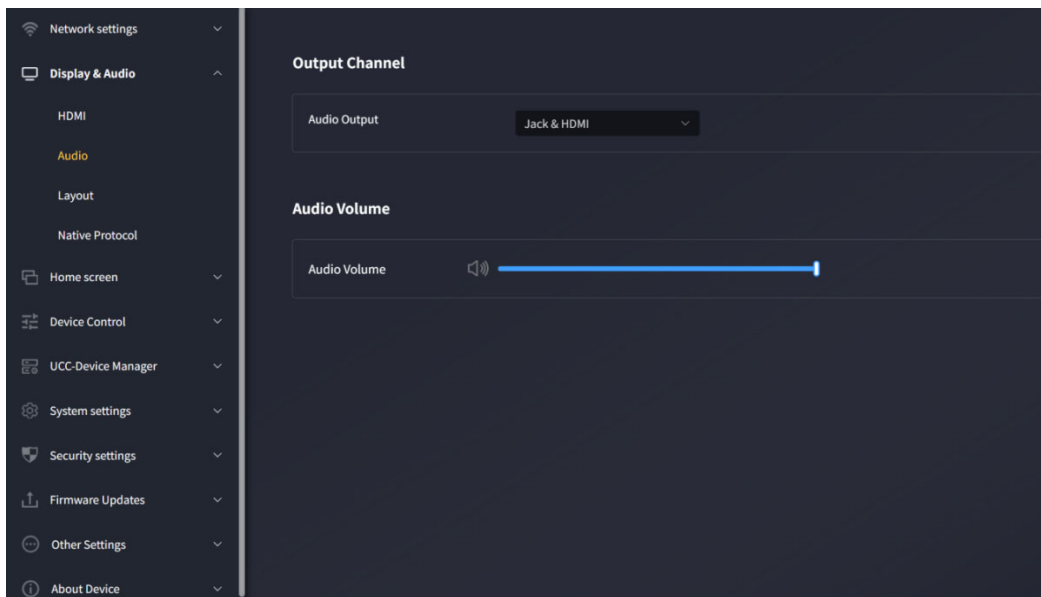
- Allow base unit to control the display

With this option, you can choose whether the connected display automatically enters standby mode immediately after the WMS42M base unit is turned off.

- On: Once WMS42M is turned off, the connected display also turns off automatically.
- Off (default): When WMS42M is turned off, the display does not turn off automatically.

6.2.2. Sound

Allows users to select the audio output source.



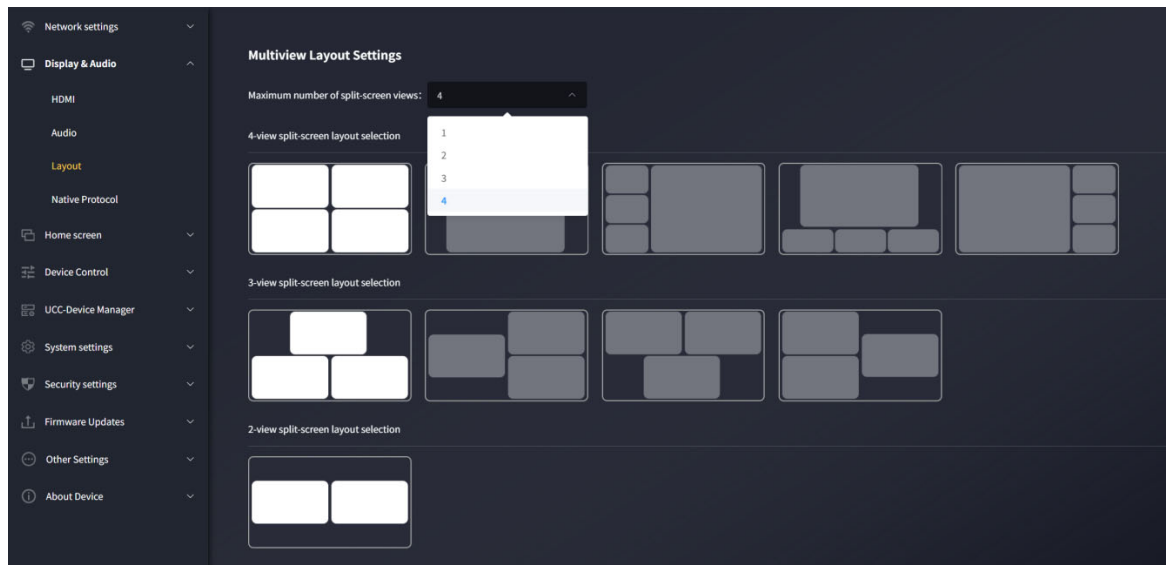
1. Audio Output:

- Jack: Outputs only 3.5mm mini-jack audio.
- HDMI: Outputs only HDMI audio.
- Jack&HDMI (default): Outputs both jack and HDMI audio.

2. Sound Volume: Adjustable from 0~100, default is 100.

6.2.3. Layout Setting

Allows various fixed window layout presets to display participants on the main screen. A maximum of 4 screens can be displayed simultaneously.



Maximum number of allowed screens: 1, 2, 3, 4

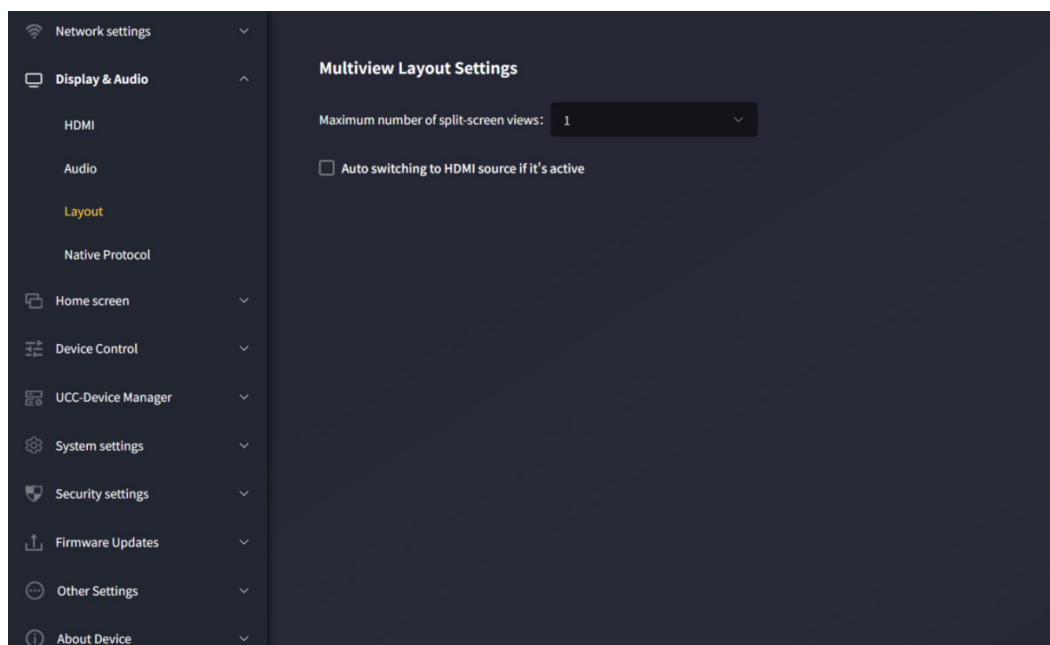
You can manually select the number of allowed casting screens. For example, selecting 4 allows up to 4 screens with a 4-split layout; selecting 3 allows up to 3 screens, and so on for 1 or 2.

Example: Selecting a maximum of 1 screen:

You can check "Automatically switch to HDMI source if HDMI source is active".

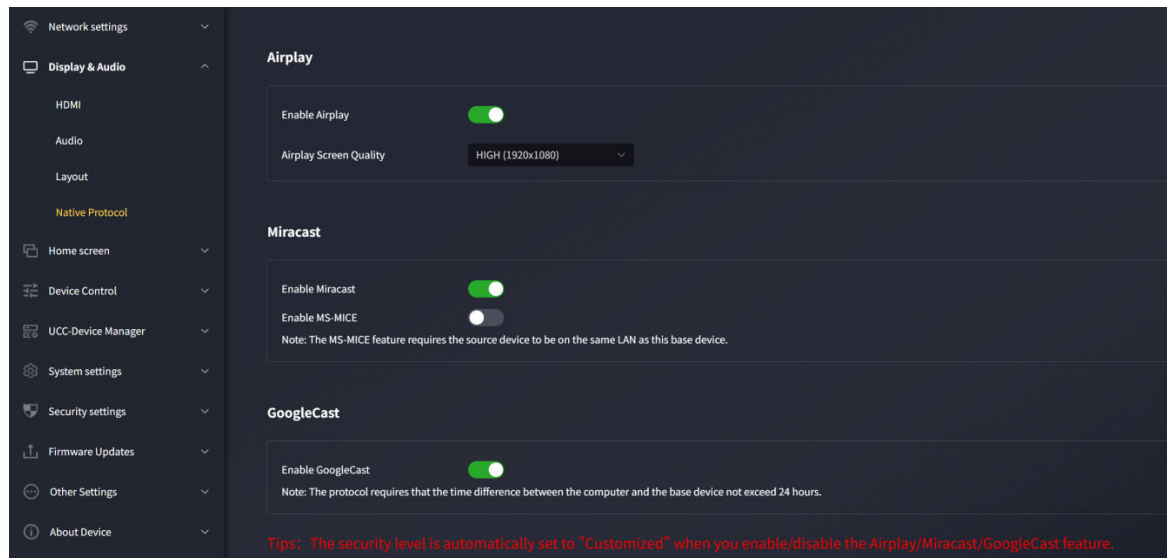
Checked: When the HDMI source is active and no casting source is available, it automatically switches to the HDMI source.

Unchecked: Returns to the homepage when no casting source is available.



6.2.4. Native Protocol Support

Enabling/disabling third-party protocol casting adjusts the security level to custom.



6.2.4.1. Airplay

Enable the Airplay switch to allow Airplay casting from Macbook, iPhone, and iPad. If the switch is turned off, AirPlay projection cannot be performed.

Airplay switch: Enabled by default

Airplay casting resolution:

High (1920*1080)

Medium (1600*900)

Low (1280*720)

4k (3840*2160)

Note: Higher resolution means better clarity but also greater latency.

6.2.4.2. Miracast

Miracast switch: Enabled by default

Miracast uses the P2P protocol by default, supporting a maximum resolution of 1080p. In this mode, the computer and receiver do not need to be on the same network. Simply press Windows+K to activate Miracast, find the WMS42M device in the search results, and click to connect to start casting.

Miracast MICE protocol switch: Disabled by default

MS-MICE is an extension of the P2P protocol. Activating this protocol requires the PC and WMS42M to be on the same LAN. Device search still uses P2P, but video streaming uses the LAN. Operation is identical to when MS-MICE is disabled.

Note: MS-MICE requires the source device and this device to be on the same LAN.

6.2.4.3. Google Cast

Google Cast switch: Enabled by default

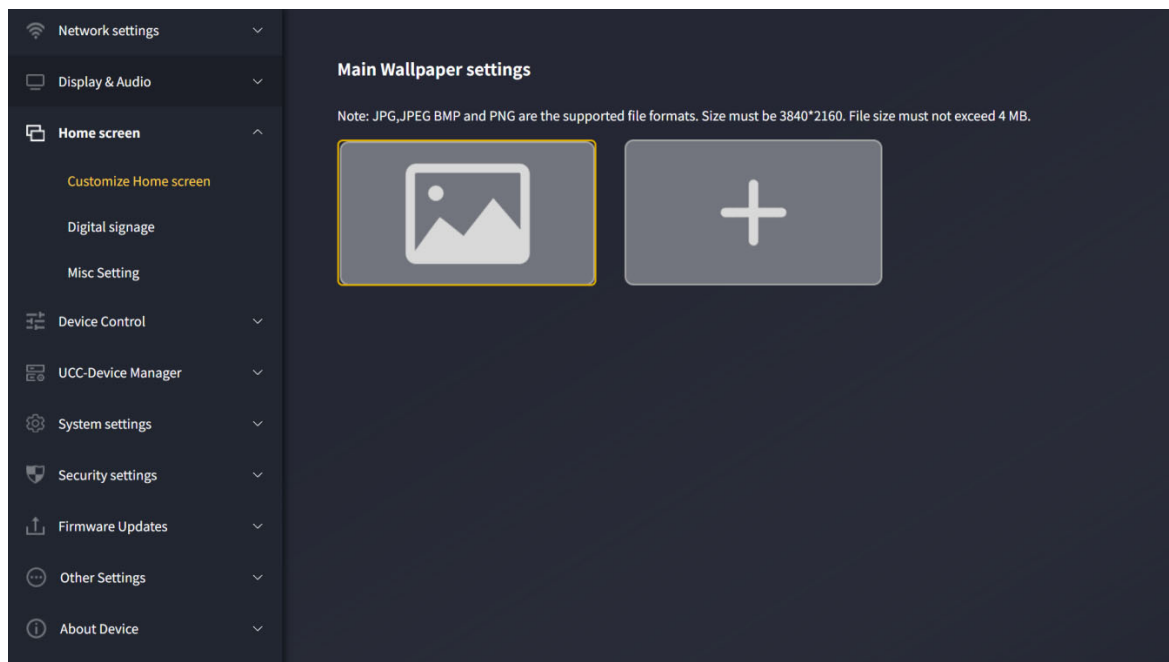
Note: This protocol requires the time difference between the computer and host to be within 24 hours.

6.3. Wallpaper

6.3.1. Custom wallpaper

Allows customization of the main screen background. Click "+" to add a local image as the background.

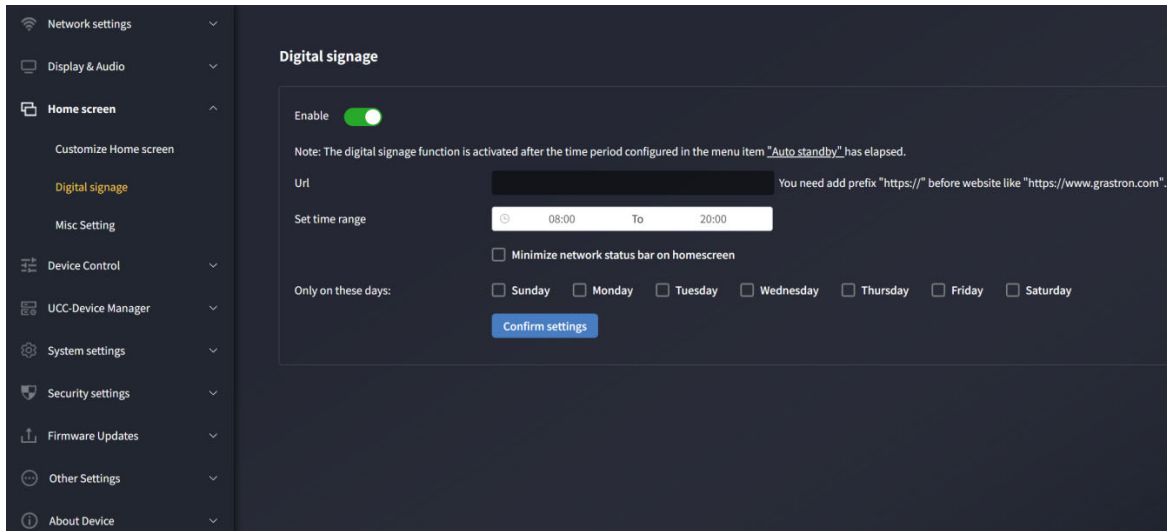
*Note: Currently supported image formats are: JPG/BMP/PNG. The maximum resolution is 3840*2160, and the file size must be within 4MB.*



6.3.2. Digital Signage

This function displays desired web content when the device is in sleep mode.

Note: The digital signage function activates when preparing for "auto-standby".



Switch: Disabled by default.

URL: Enter the desired URL.

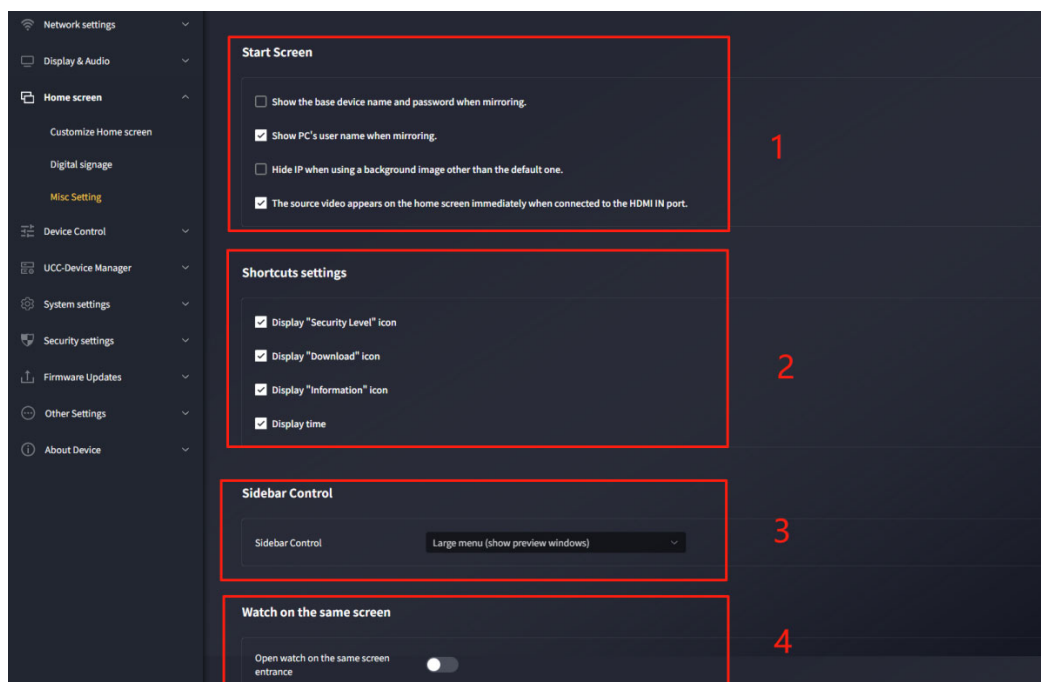
Set time range: Define the period during which the display shows content from the set URL while in sleep mode.

Activate only on these days: Customize the days (Monday to Sunday) for display.

You can click "Auto-standby" in the prompt on this page to jump to the auto-sleep settings.

If the current time is within the set period, pressing the power button on WMS42M enters the digital signage page; pressing it again exits to the main page.

6.3.3. Additional Settings



1. Startup Screen:

- Show device name and password while sharing the screen: When checked, WMS42M's device ID and password remain visible during casting.
- Show computer username during casting: When checked, the PC username appears during casting.
- Hide IP when using non-default background: When checked, the IP address is hidden during casting.
- Auto-cast when HDMI source is inserted: When checked, inserting an HDMI source into WMS42M's HDMI IN port triggers automatic casting.

2. Shortcut Settings:

- Show "Security Level" icon: When checked, the security level icon appears on the main screen; otherwise, it is hidden.
- Show "Download" icon: When checked, the download icon appears on the main screen; otherwise, it is hidden.
- Show "Info" icon: When checked, the info icon appears on the main screen; otherwise, it is hidden.
- Show "Time": When checked, time information appears on the main screen; otherwise, it is hidden.

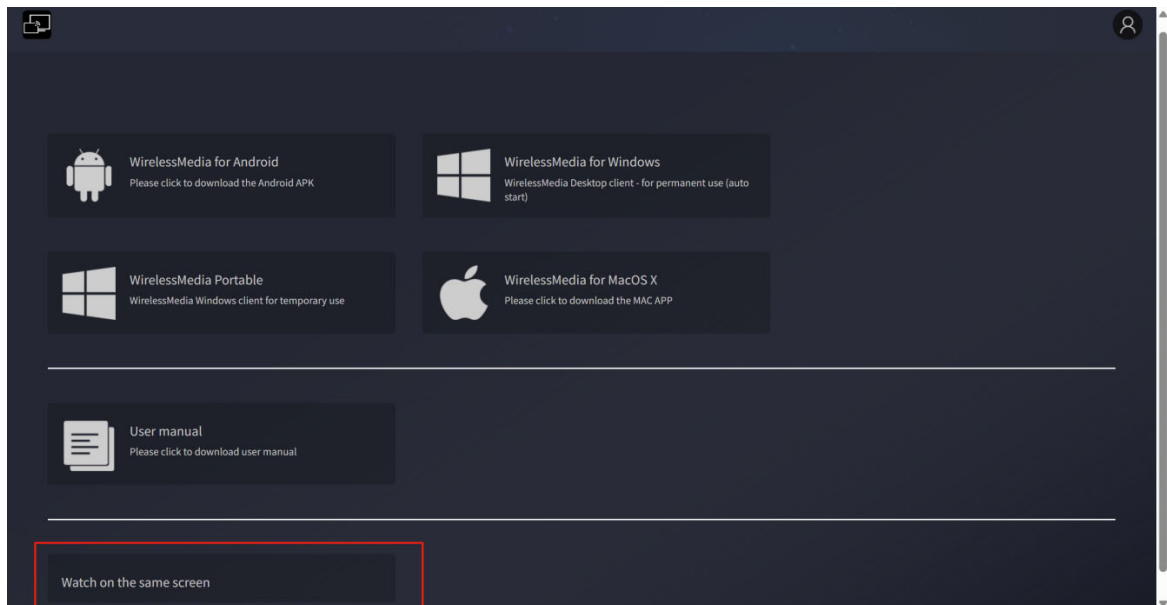


3. Sidebar Control:

- Fully hide sidebar (including arrow): The main screen shows no sidebar.
- Small menu (no preview window): The sidebar displays as a small menu (including whiteboard, annotation, and info icons).
- Large menu (with preview window): The sidebar displays as a large menu, showing a casting preview window.

4. Screen Sharing View:

- Enable screen sharing entry: Disabled by default.
- When enabled, a "Screen Sharing" option appears on the web page, which captures on-screen content into a window for remote sharing.

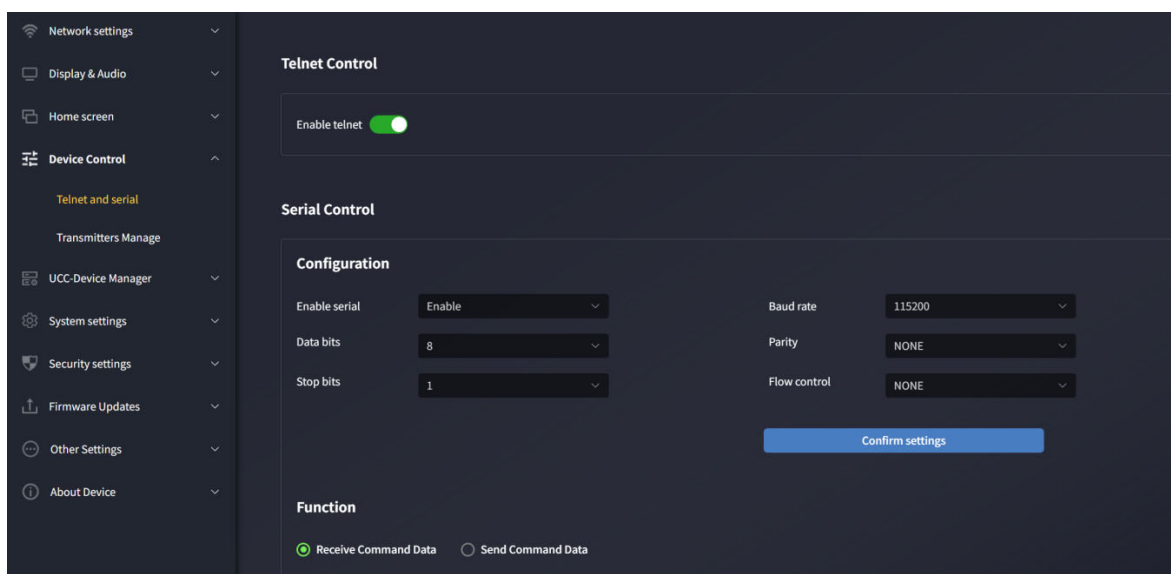


6.4. Device Control

6.4.1. Remote Login (Telnet) and Serial Port

This allows configuration of Telnet and RS-232 commands to control WMS42M.

Contact the supplier for the command list. Additionally, RS232 supports simple commands (e.g., power on/off, cascaded device control) for basic central control.



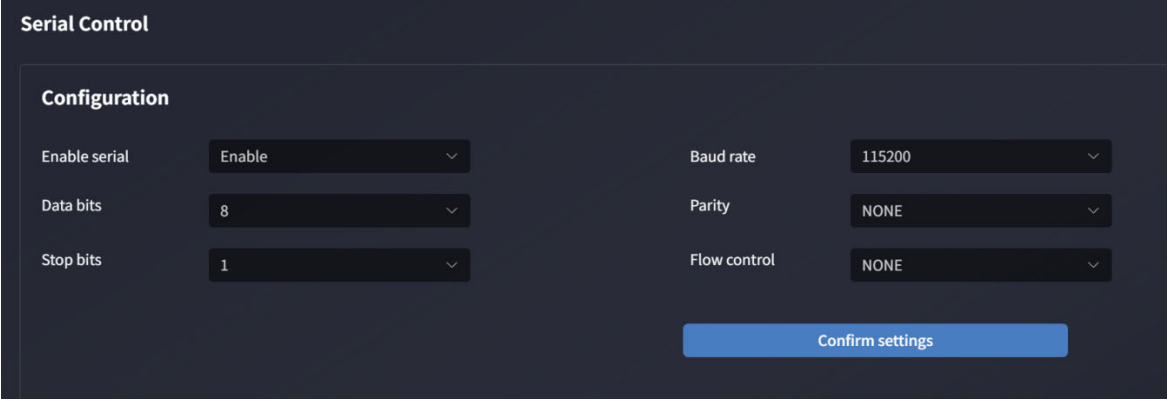
6.4.1.1. Remote Login (Telnet) Control

Allow remote login (Telnet): Enabled by default. This switch must be on for Telnet commands to control the device.

Disabling the switch blocks Telnet control of WMS42M.

- For Telnet communication via TCP commands, enter the current WMS42M base unit's IP address and port: 23.
- For multi-word commands, separate words with spaces.
- Commands are case-insensitive.

6.4.1.2. Serial Port Settings

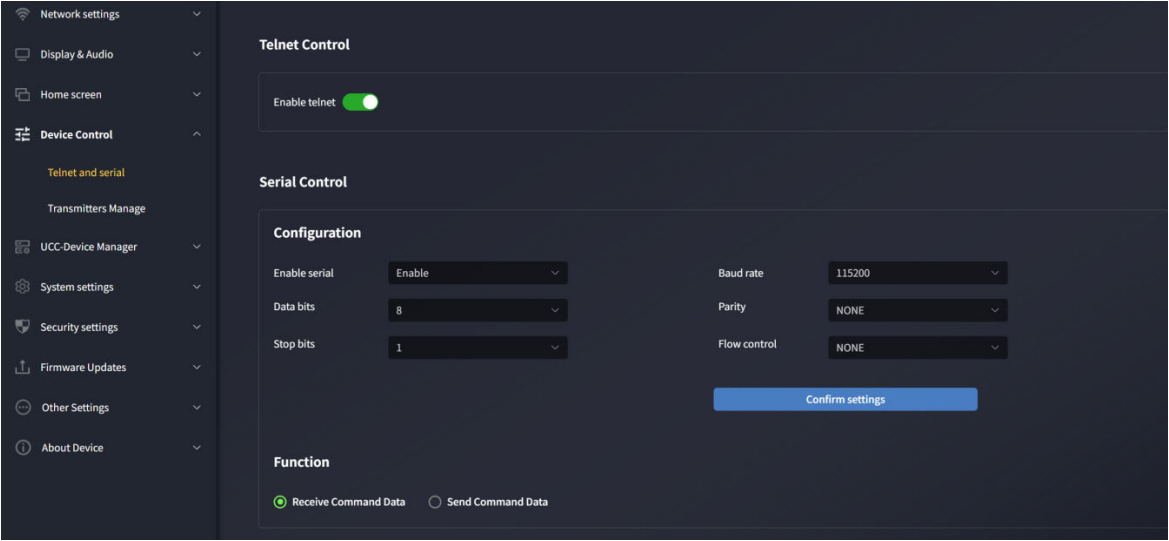


The image shows a 'Serial Control' configuration screen. It has a title bar 'Serial Control' and a section 'Configuration'. Inside 'Configuration', there are two columns of settings. The left column has 'Enable serial' (set to 'Enable'), 'Data bits' (set to '8'), and 'Stop bits' (set to '1'). The right column has 'Baud rate' (set to '115200'), 'Parity' (set to 'NONE'), and 'Flow control' (set to 'NONE'). At the bottom right, there is a blue button labeled 'Confirm settings'.

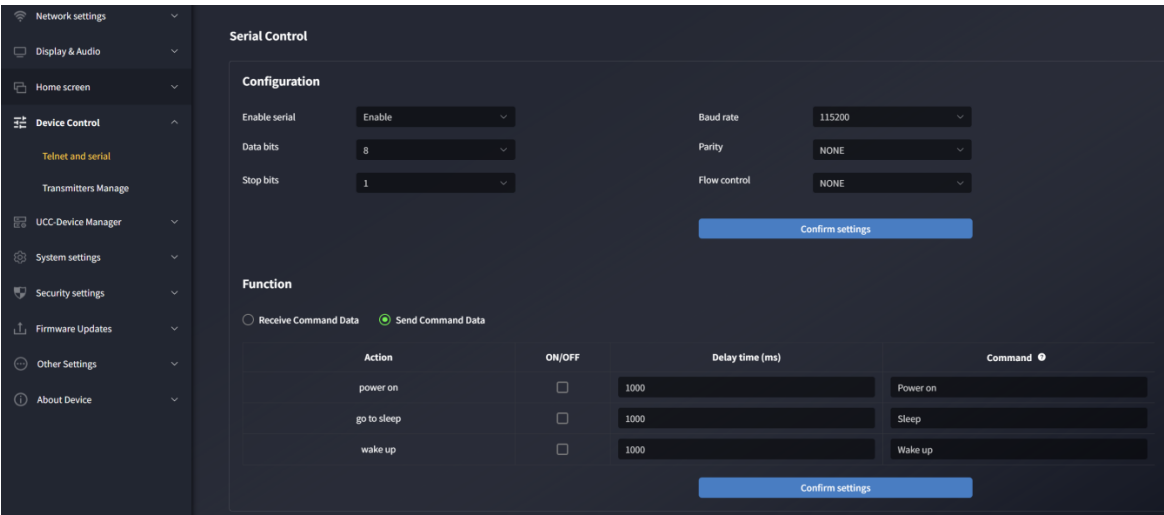
Serial port function: Enabled by default. Disabling it blocks RS-232 control of WMS42M.

Configure baud rate, data bits, parity, stop bits, and flow control as needed. For RS-232 communication, enter your chosen parameters on the serial port settings screen.

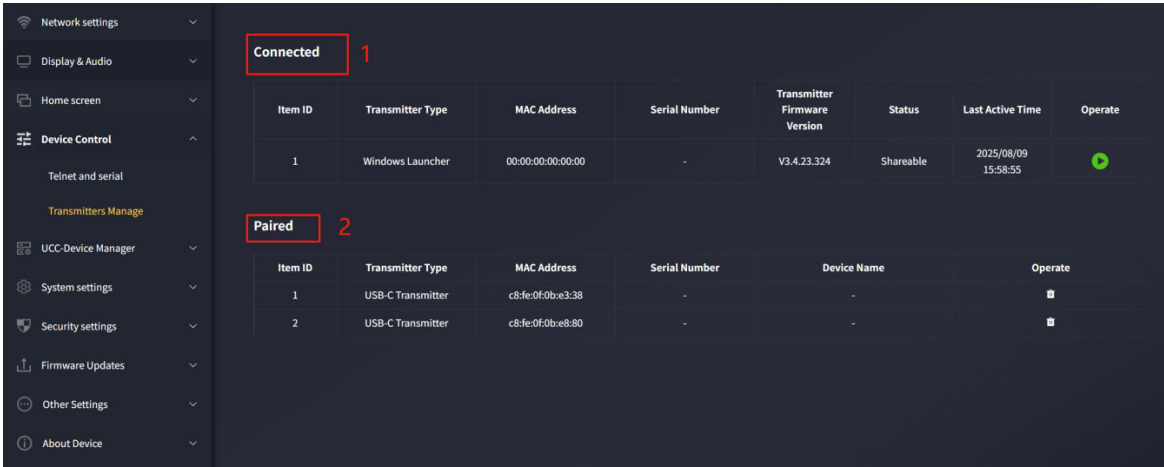
6.4.1.3. Serial port mode



The image shows a settings screen with a sidebar on the left and a main content area. The sidebar lists various settings categories: Network settings, Display & Audio, Home screen, Device Control, Telnet and serial (highlighted), Transmitters Manage, UCC-Device Manager, System settings, Security settings, Firmware Updates, Other Settings, and About Device. The main content area has two sections. The top section is 'Telnet Control' with a toggle switch 'Enable telnet' that is turned on. The bottom section is 'Serial Control' with a 'Configuration' sub-section. This sub-section has the same settings as the previous image: 'Enable serial' (Enable), 'Data bits' (8), 'Stop bits' (1), 'Baud rate' (115200), 'Parity' (NONE), and 'Flow control' (NONE). Below the configuration is a blue 'Confirm settings' button. At the bottom of the 'Serial Control' section is a 'Function' sub-section with two radio buttons: 'Receive Command Data' (selected) and 'Send Command Data'.



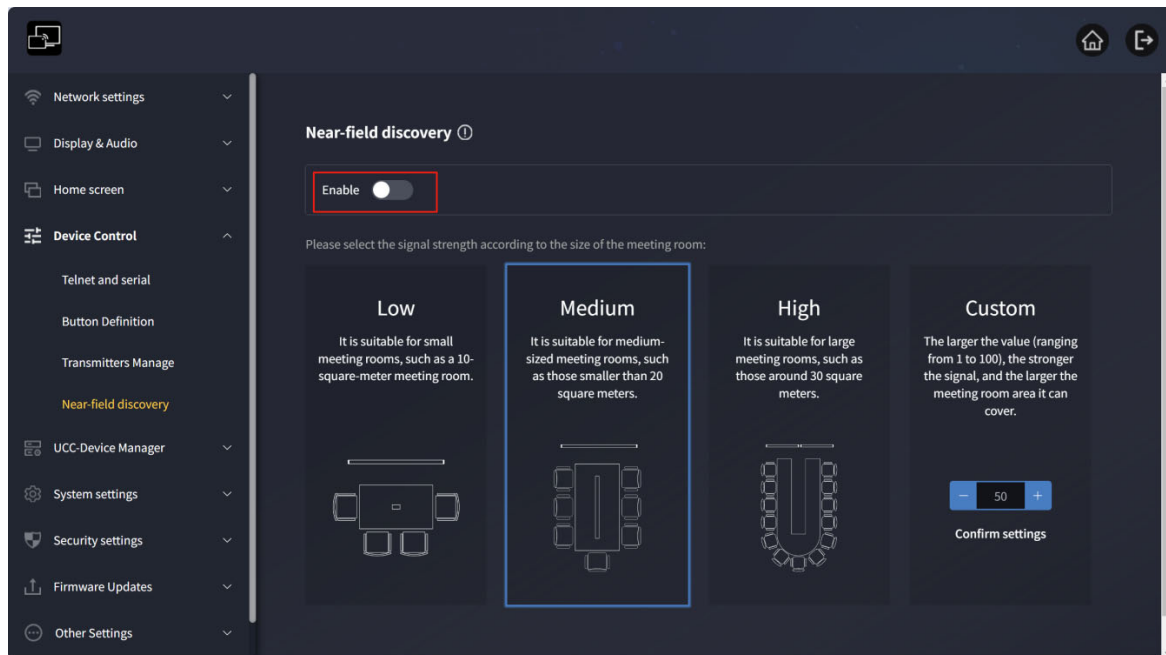
6.4.2. Dongle Management



1. Currently connected dongle: Displays devices connected to WMS42M, including details like serial number, firmware version, status, last operation time, and controls (cast/stop casting).
2. Paired dongle: Displays devices successfully paired with WMS42M, including details like MAC address, serial number, device name, and controls (delete connected devices).

6. 4. 3. Near-Field Discovery Settings

Near-field device discovery: Enabled by default.



When enabled, nearby base units are discovered via Bluetooth and ultrasound for one-click casting and meetings.

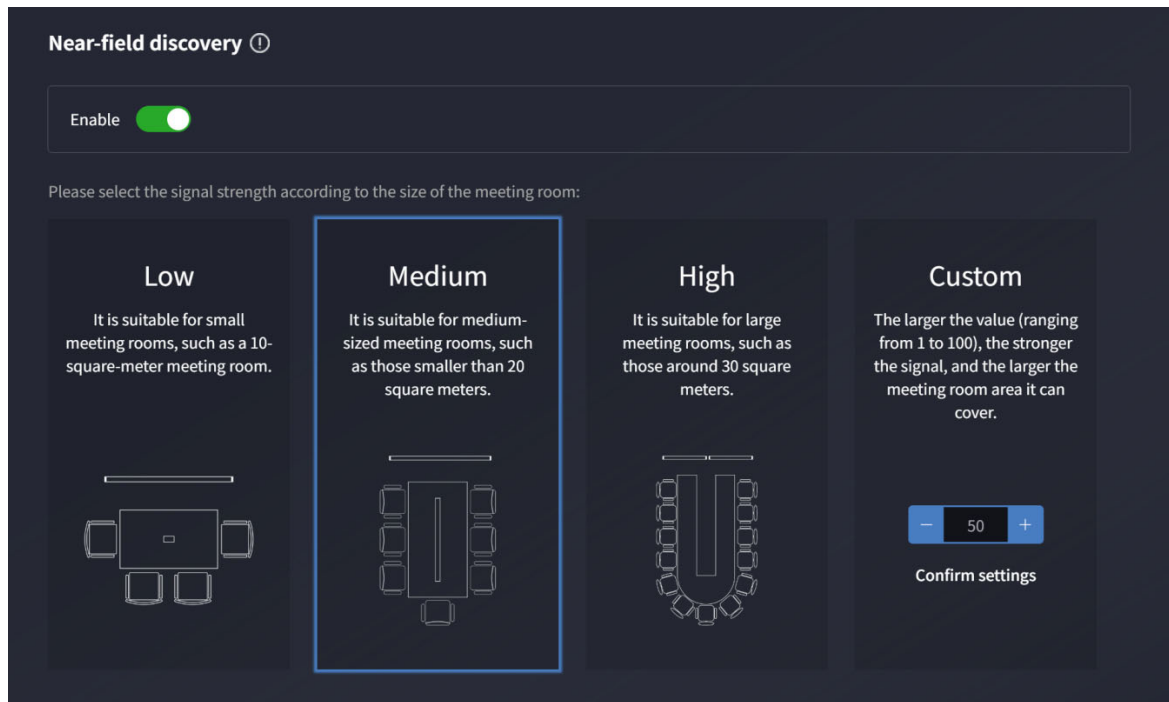
The web page offers 4 signal strength options: Low, Medium, High, Custom.

Different values correspond to different ranges:

- Low: Suitable for small meeting rooms (e.g., 10 m²).
- Medium: Suitable for medium meeting rooms (e.g., 20 m²).
- High: Suitable for large meeting rooms (e.g., 30 m²).

Custom: Adjust values (1-100) as needed; higher values mean stronger signals and larger coverage.

Note: If meeting room interference is severe, try a higher power level.

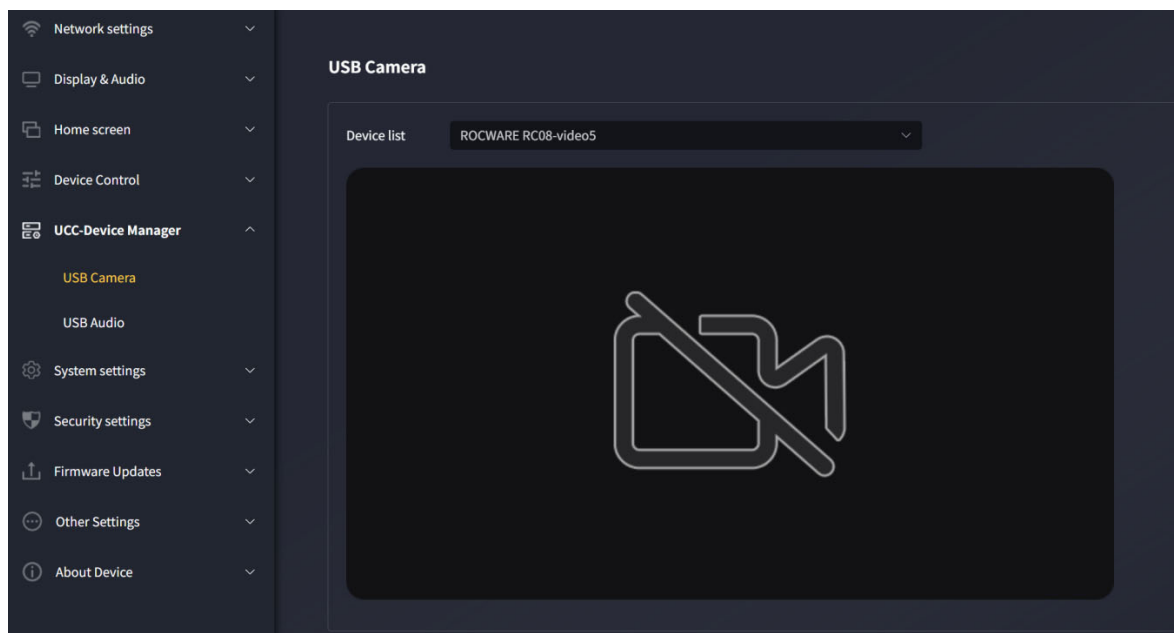


6.5. UCC-Device Manager

6.5.1. USB Camera

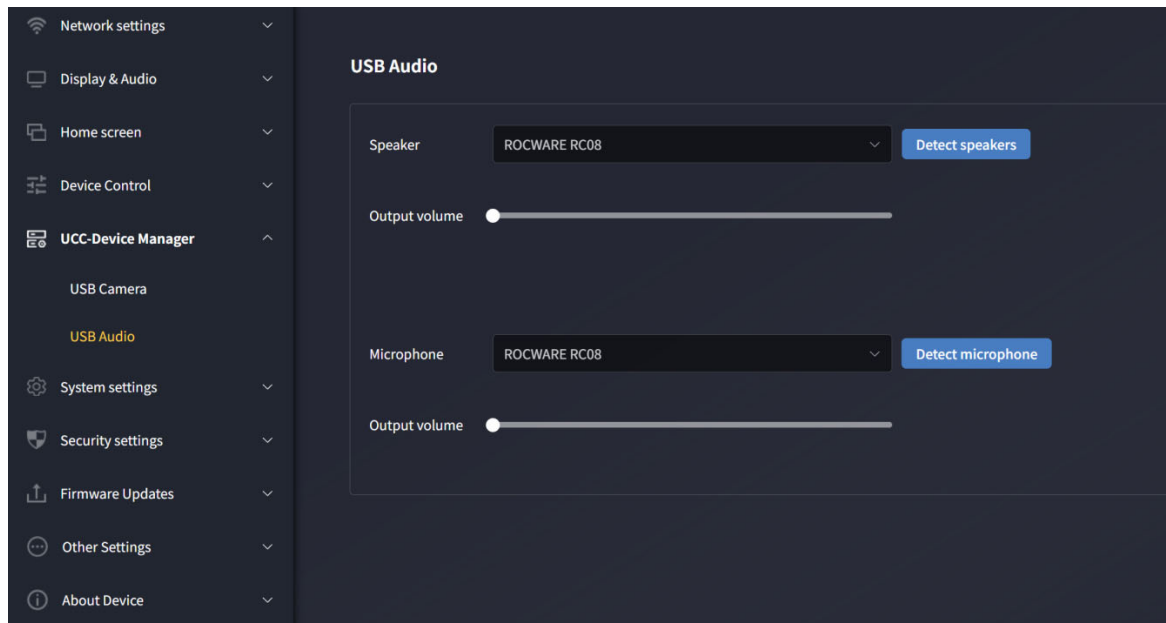
Allows selection and monitoring of UVC/UAC devices connected to the WMS42M base unit.

Users can preview and switch between multiple connected USB cameras.



6.5.2. USB Audio

Allows selection and monitoring of USB audio devices. Users can switch between multiple connected microphones.



Test Speaker: Click to test audio output, click again to stop.

Test Microphone: Click to test audio input, click again to stop.

6.6. System Settings

6.6.1. Date & Time

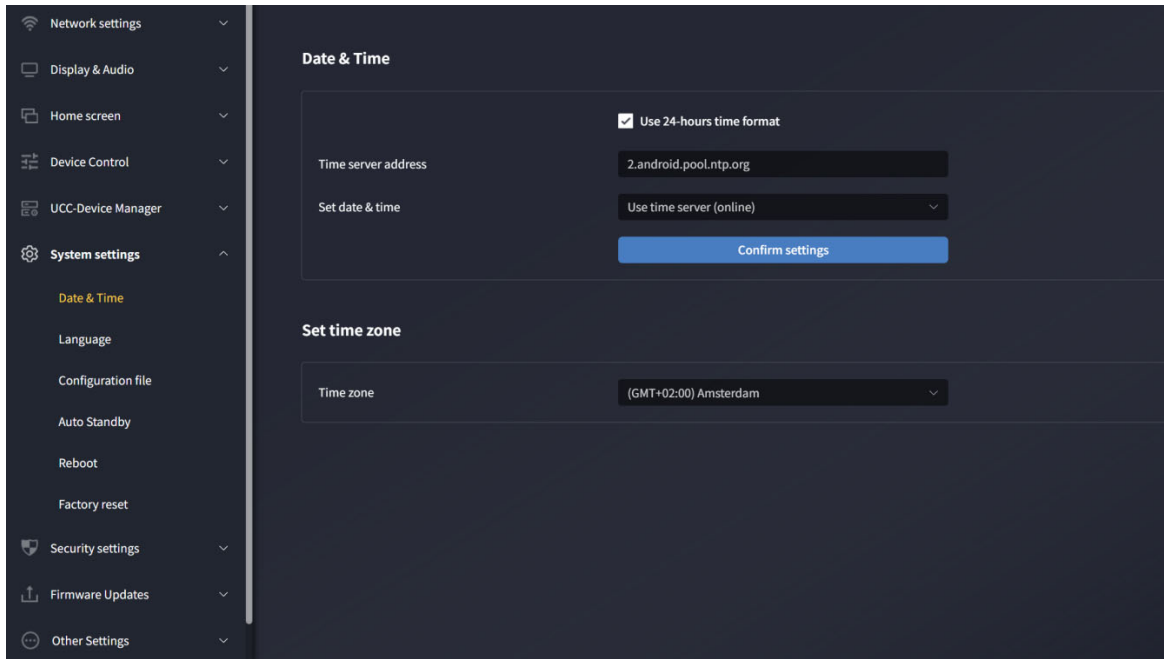
1. Date & Time

Use 24-hour format: When checked, time displays in 24-hour format; otherwise, 12-hour format is used.

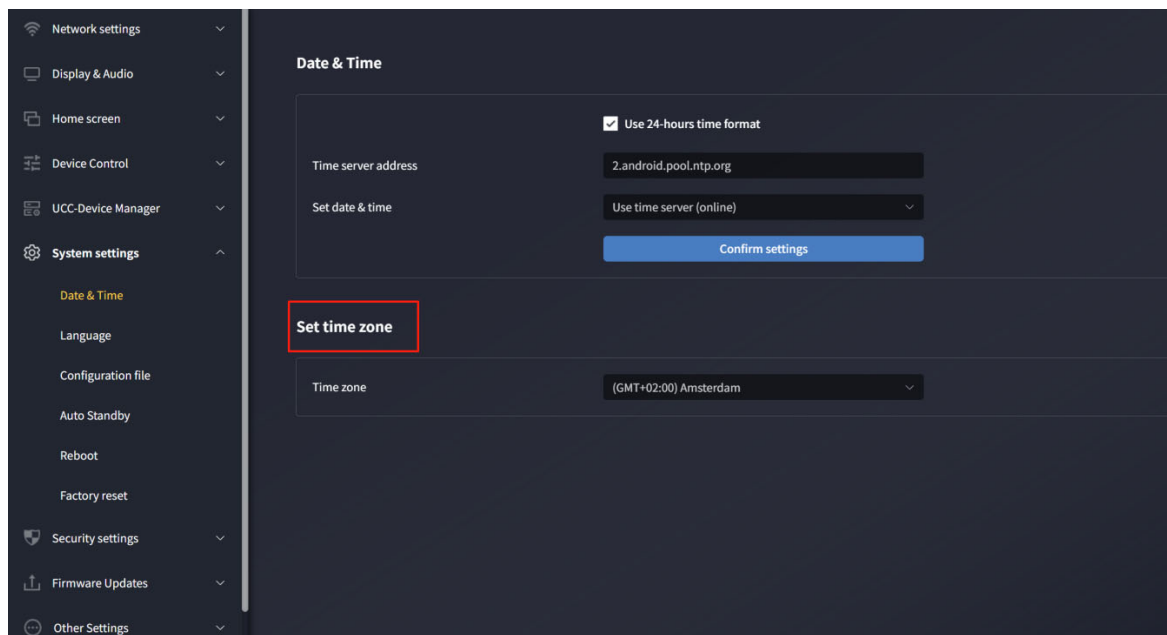
Time server address: 2.android.pool.ntp.org

Set date & time:

- Use network time: Check to sync time with the NTP server.
- Off: Disable network time to set date and time manually.

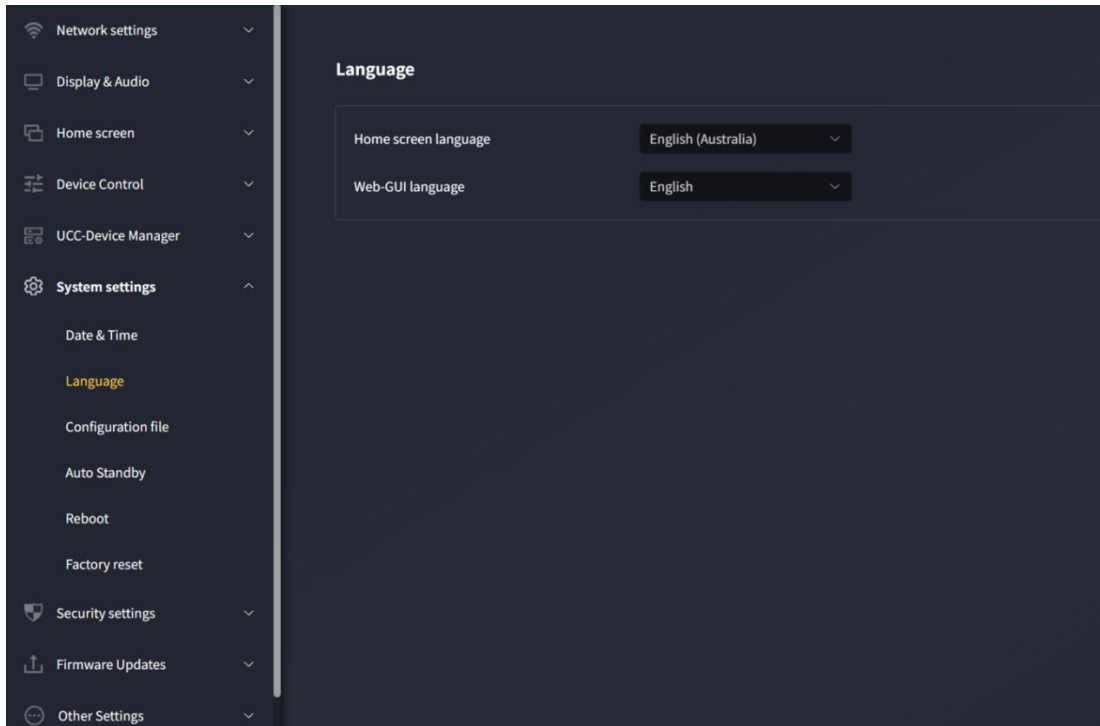


2. Time Zone: Click the "Time Zone" tab to select the appropriate time zone.



6.6.2. Language

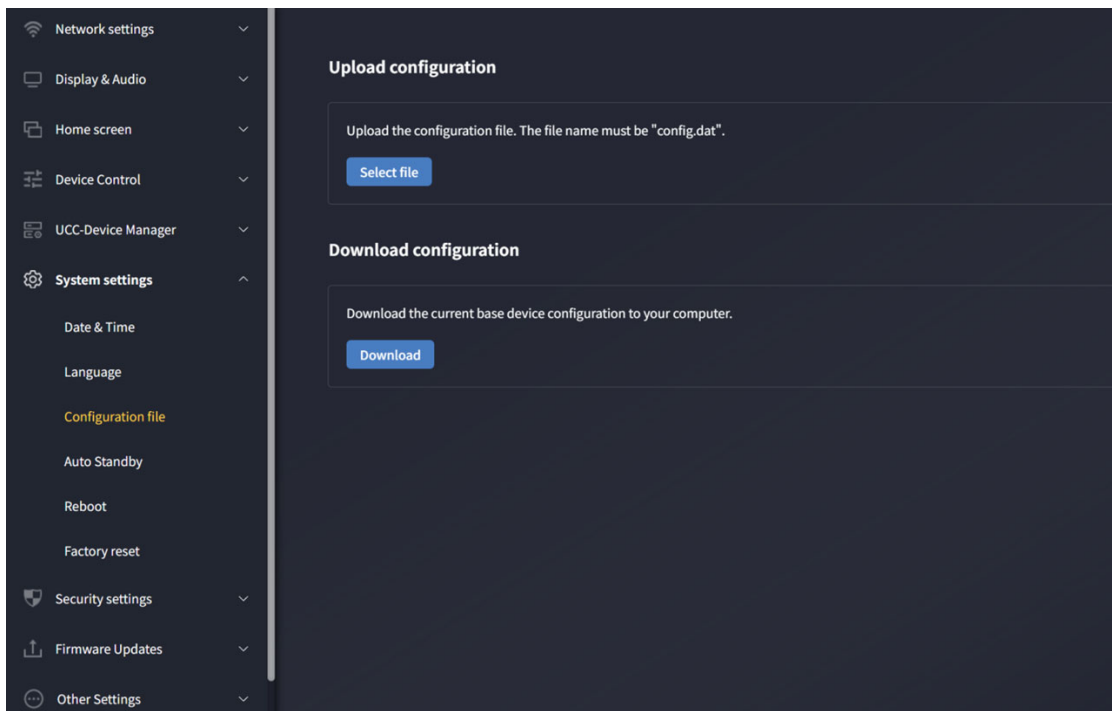
Allows selection of display languages for the main screen and web page. Default main screen language is Chinese; default web language is Chinese.



6.6.3. Configuration Profiles

A downloadable preset that saves all settings for deployment to other devices.

- Upload configuration: Upload a configuration file (filename must be "config.dat").
- Download configuration: Save the current device configuration to your computer.



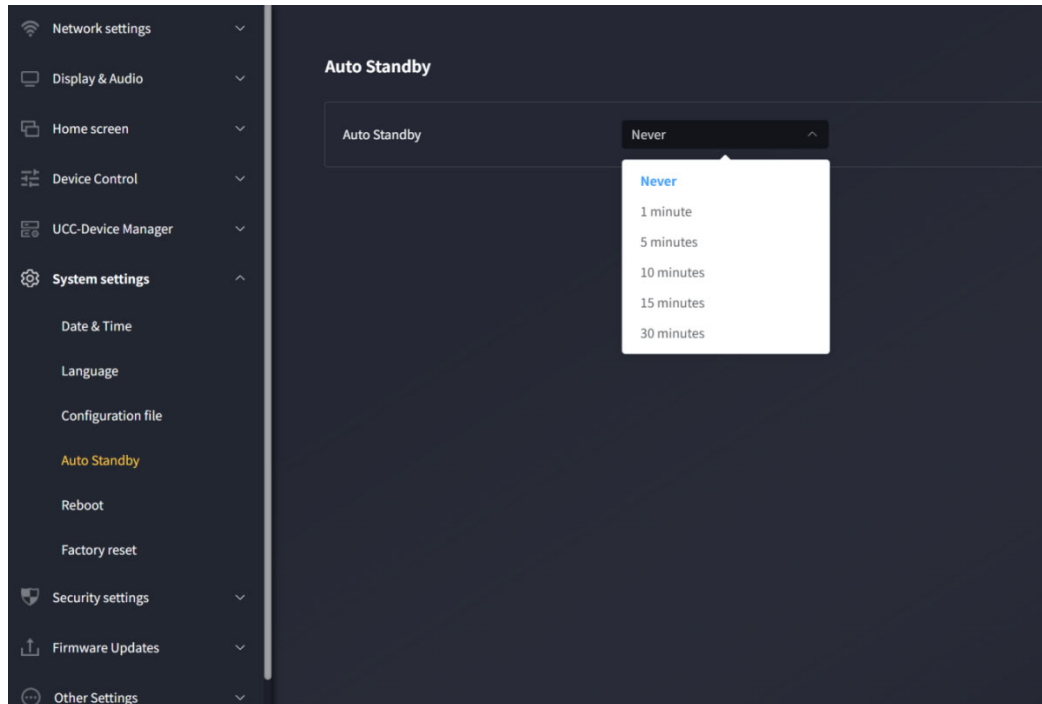
6.6.4. Auto-Standby

If auto-standby is activated, WMS42M switches to power-saving mode after a configurable period of inactivity (no wireless transmitter, disconnected mobile device WiFi, or no

system operations). The maximum period is 30 minutes. In standby, the green LED on WMS42M's top flashes, and HDMI output is disabled.

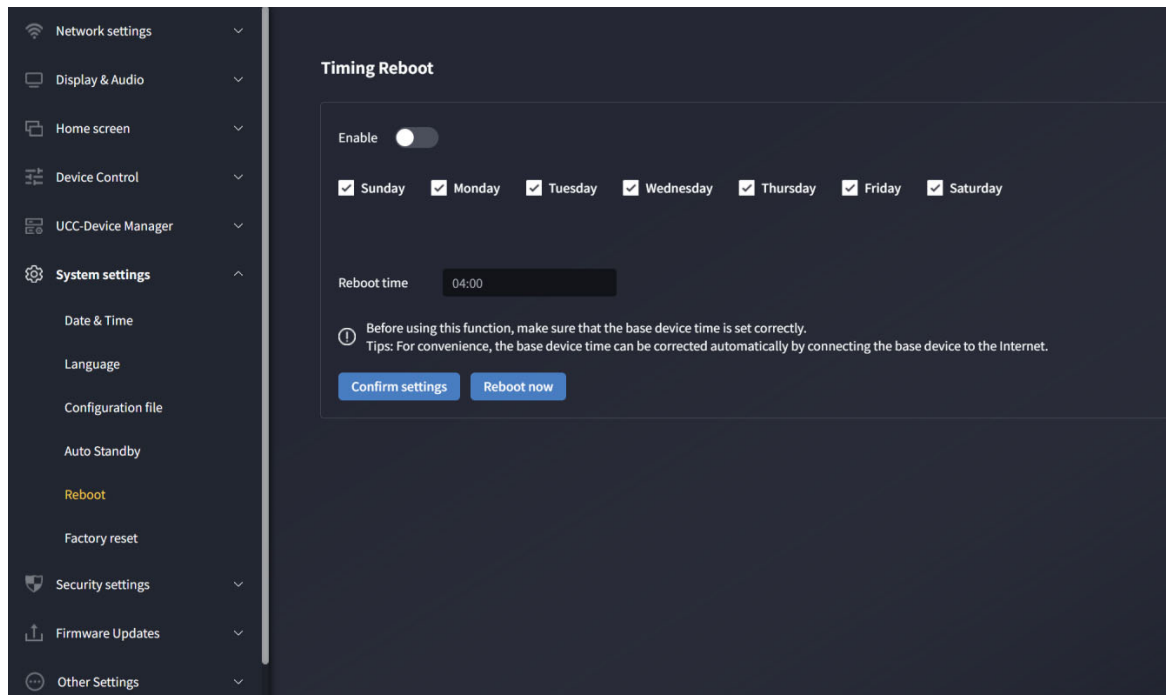


- The device wakes when DG-H28/DG-C28 is inserted/connected or a mobile device connects.
- Moving the mouse in WMS42M USB input also wakes the device.



6.6.5. Restart

Allows scheduled restart and weekly restart routines.



Enable scheduled restart:

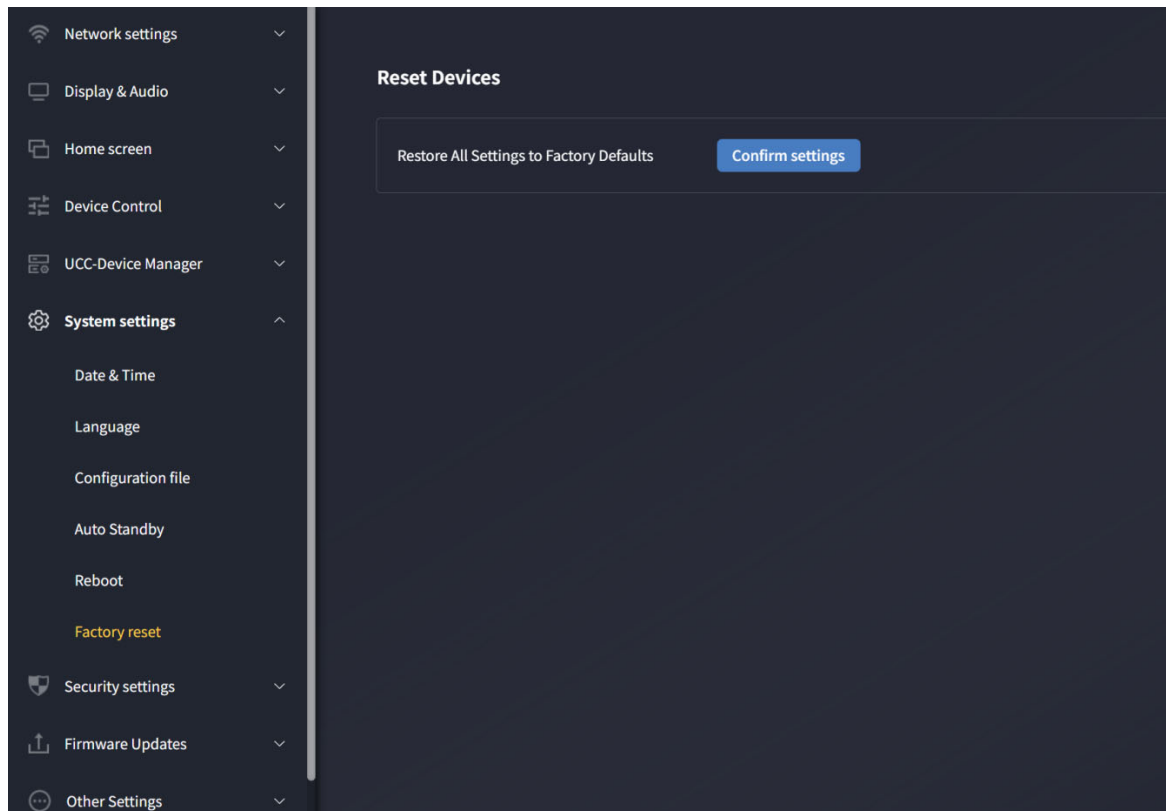
1. Set the restart time for WMS42M and select days (Monday to Sunday).
2. Manually set the restart time.
3. After confirmation, WMS42M restarts at the set time. The "Restart Now" button triggers an immediate restart regardless of scheduled settings.



Ensure the base unit time is correct before using this function. Tip: Connect the base unit to the internet for automatic time correction.

6.6.6. Factory Reset

Allows restoration of default device settings.



6.7. Security Settings

6.7.1. Security Level

Three security levels are available to meet different needs.

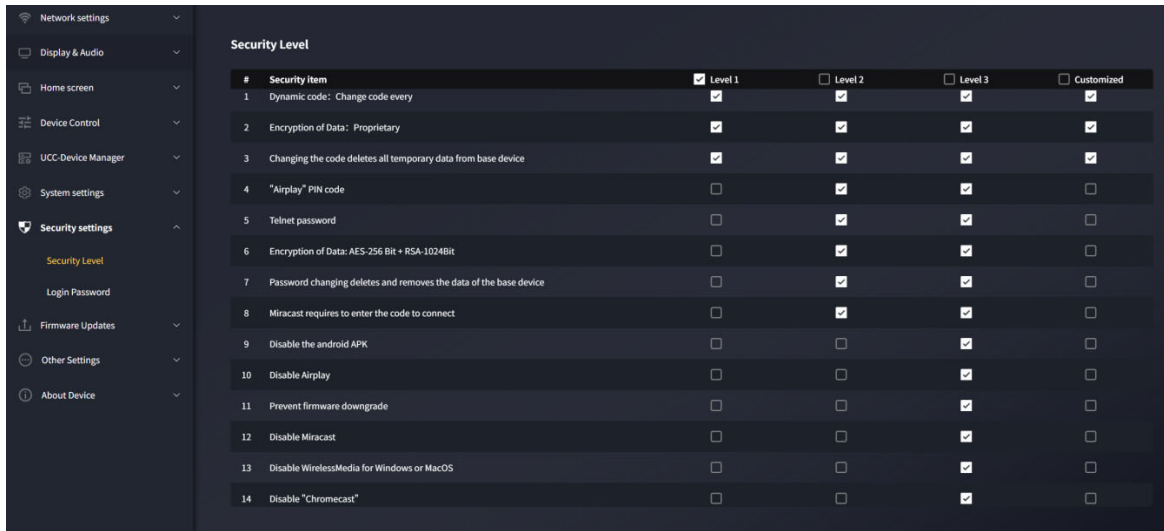
Click corresponding menu items to adjust settings. Default level is 1.

- Level 1: Normal security, suitable for daily use in classrooms, regular meeting rooms, etc.
- Level 2: Higher security, includes strong audio/video encryption for companies, organizations, and government agencies. Additional features: password-restricted AirPlay.
- Level 3: Strict security for corporations, authorities, and banks. Includes all Level 2 measures, plus blocked mobile apps and web GUI access. Firmware downgrades are disabled.
- Custom: Manually select security options.

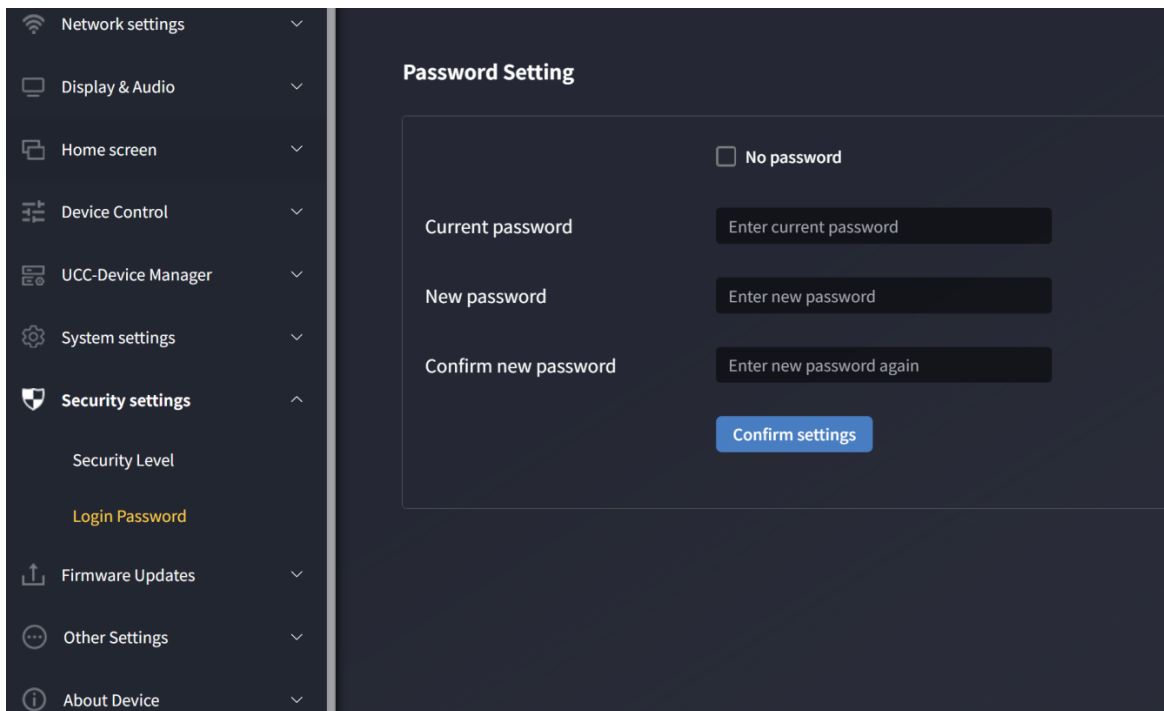


The security level displays on the main screen. Click the icon





6.7.2. Login Password



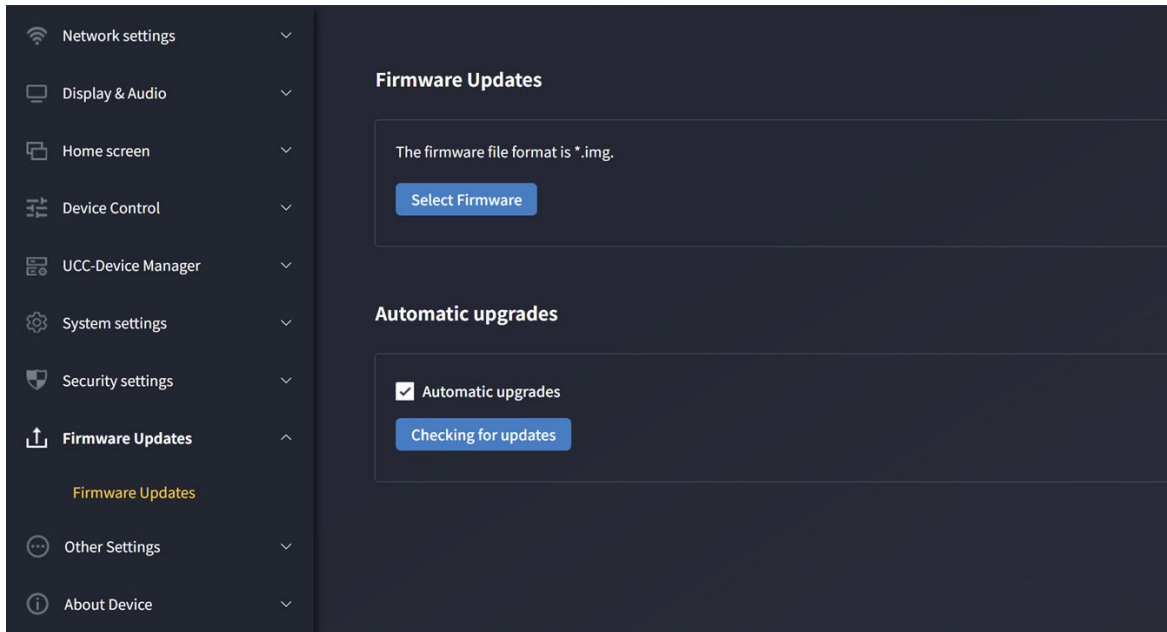
Allows changing the password for web GUI access. Default password is "admin".

- No password: When checked, web login requires no password.
- Current password: Enter the current login password.
- New password: Enter the new password.
- Confirm new password: Re-enter the new password.

6.8. Firmware Update

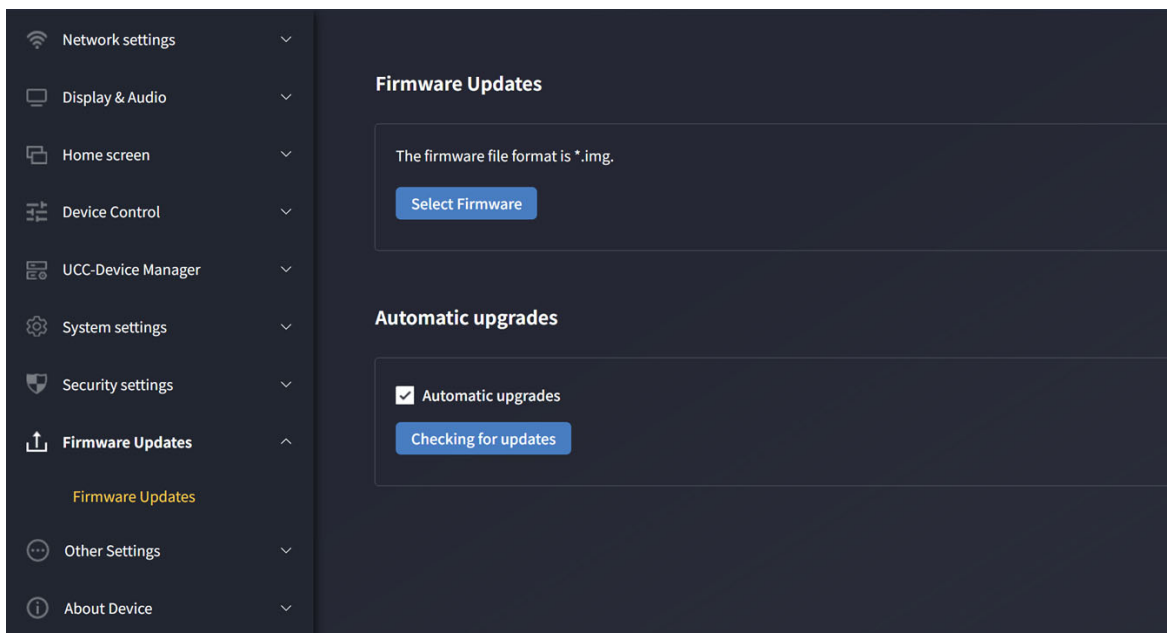
6.8.1. Firmware Update

Users can upload a local update file to upgrade WMS42M (file format: *.img).



6.8.2. Auto-Upgrade

Check to enable automatic detection and update during early morning hours; uncheck to manually check for updates.



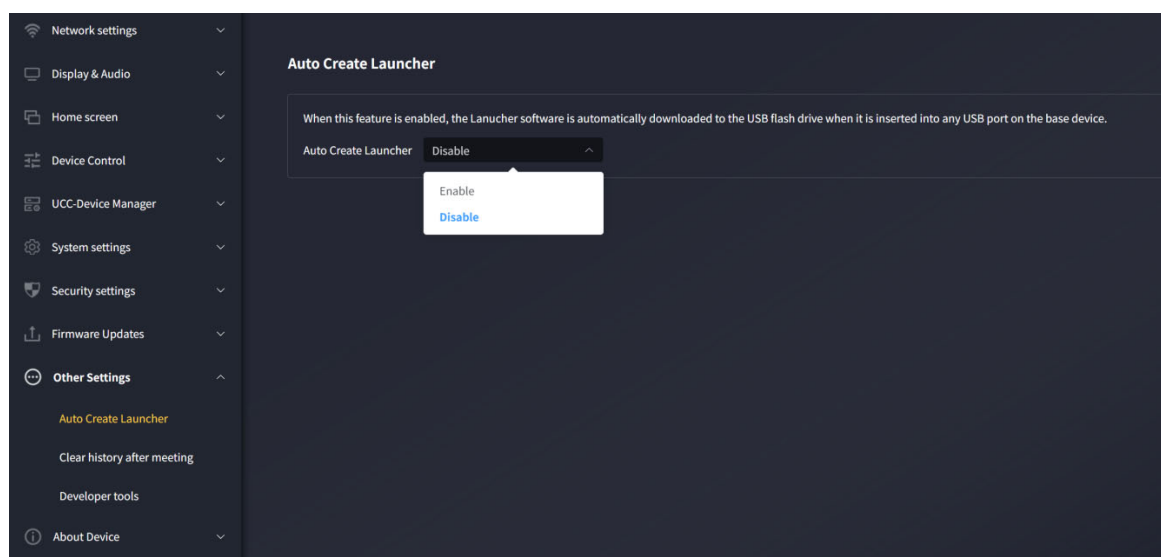
6.9. Other Settings

6.9.1. Auto-Create Launcher

After this function is enabled, inserting USB flash drive into any USB port of the base unit will trigger the automatic download of the Launcher software to the USB flash drive.

On: When USB drive is connected, Windows/Mac WirelessMedia apps, user manuals, and Android APK are copied automatically.

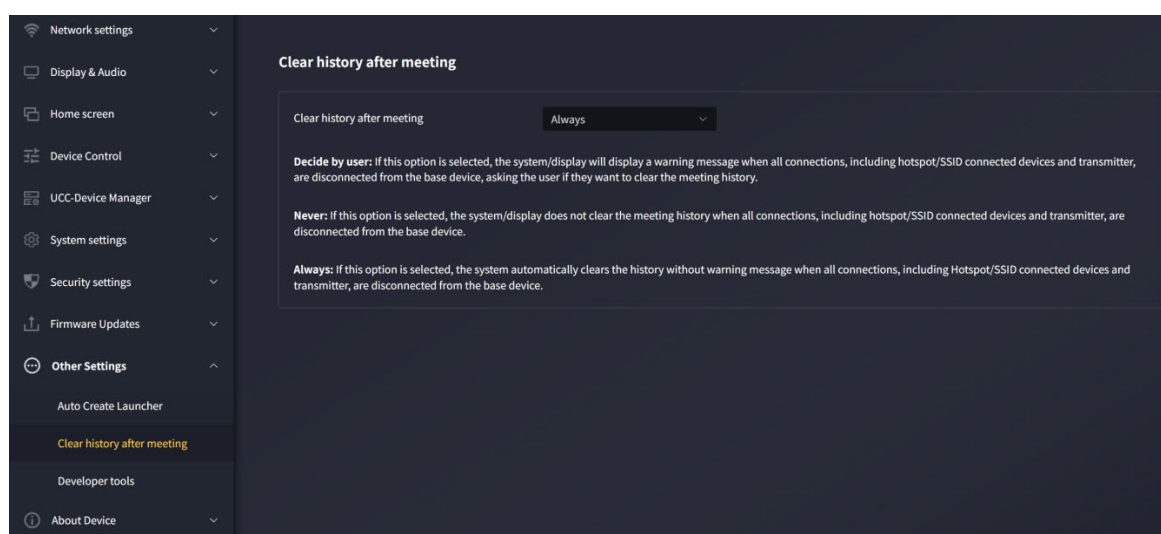
Off: No automatic copying. Manual download via the main screen button is required.



6.9.2. Clear Records After Meeting

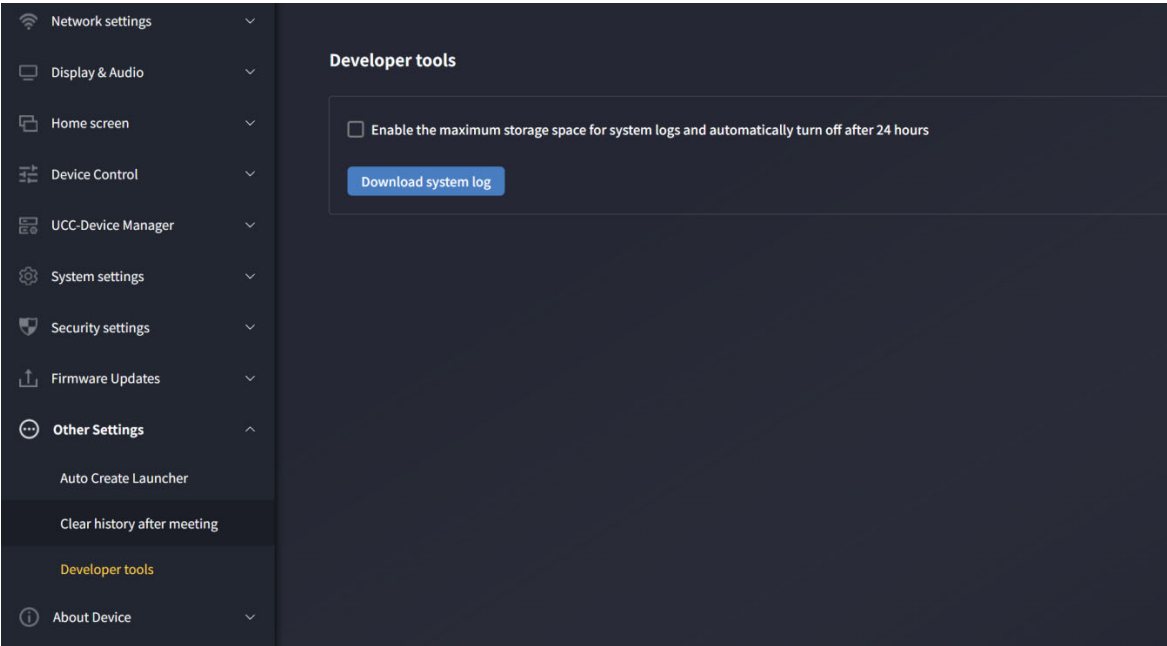
Mobile device images, videos, and music are stored in the base unit memory. You can choose to clear this memory when the wireless transmitter is removed from a laptop/PC after a meeting.

- Let user decide: A warning prompts the user to clear history when all devices disconnect.
- Never clear: History remains when all devices disconnect.
- Always clear: History clears automatically without a warning when all devices disconnect.



6.9.3. Developer Tools

Used to capture logs for troubleshooting.

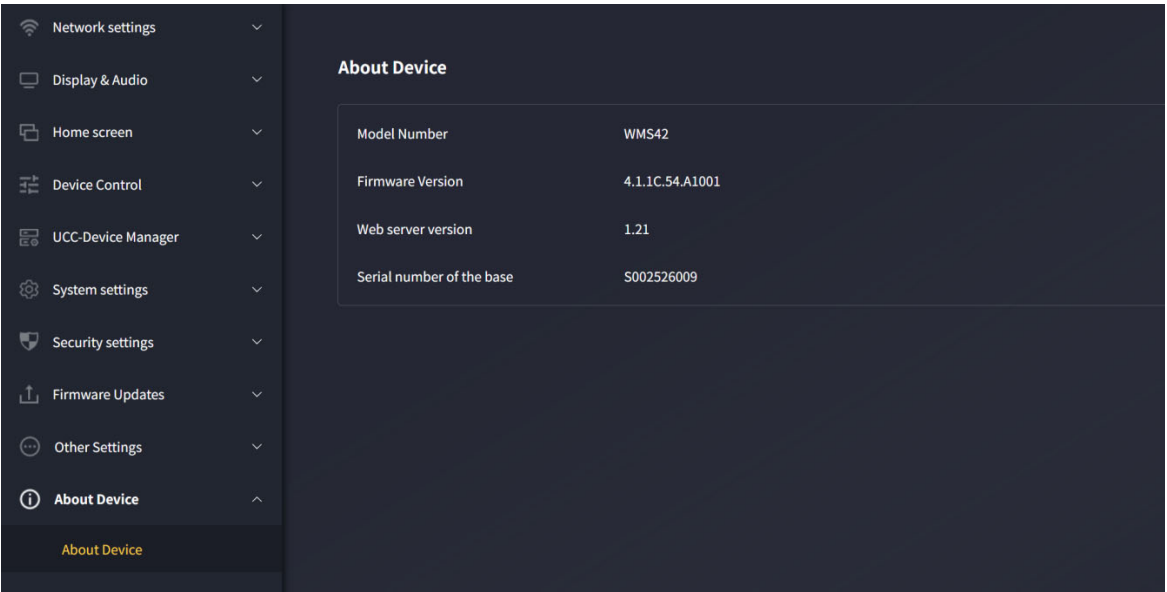


Log capture method:

- After an issue occurs, access this page and click "Download System Logs" to start downloading.
- Open the log file on your computer after download. Provide the log to technical support for assistance.

6. 10. About the Device

Includes device model, firmware version, web server version, and serial number.



7. Firmware Update

Three components may require firmware updates:

- Base Unit
 - WMS42M
- Dongle
 - DG-H28
 - DG-C28



All software is stored in the WMS42M base unit and transmitted to other components. After updating WMS42M, check if other components need updates.

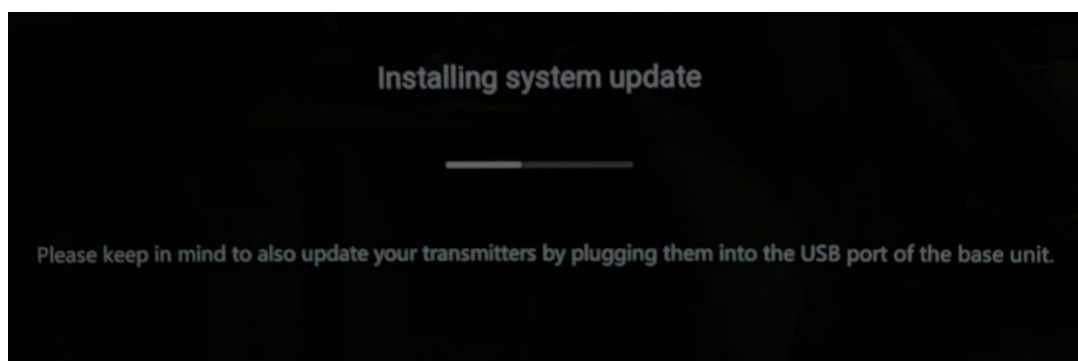
7.1. Upgrading WMS42M Firmware

- External USB Storage Drive:
 1. Copy the update file "update.img" to the root directory of a USB drive.
 2. Connect the USB drive to the port next to WMS42M's USB 2.0 port.
 3. WMS42M automatically detects "update.img" and starts the "Full Update" process. Remove the USB drive within 10 seconds to stop the update.



Do not disconnect power during the upgrade; this may corrupt the firmware.

4. The upgrade progress is displayed. WMS42M restarts automatically after completion

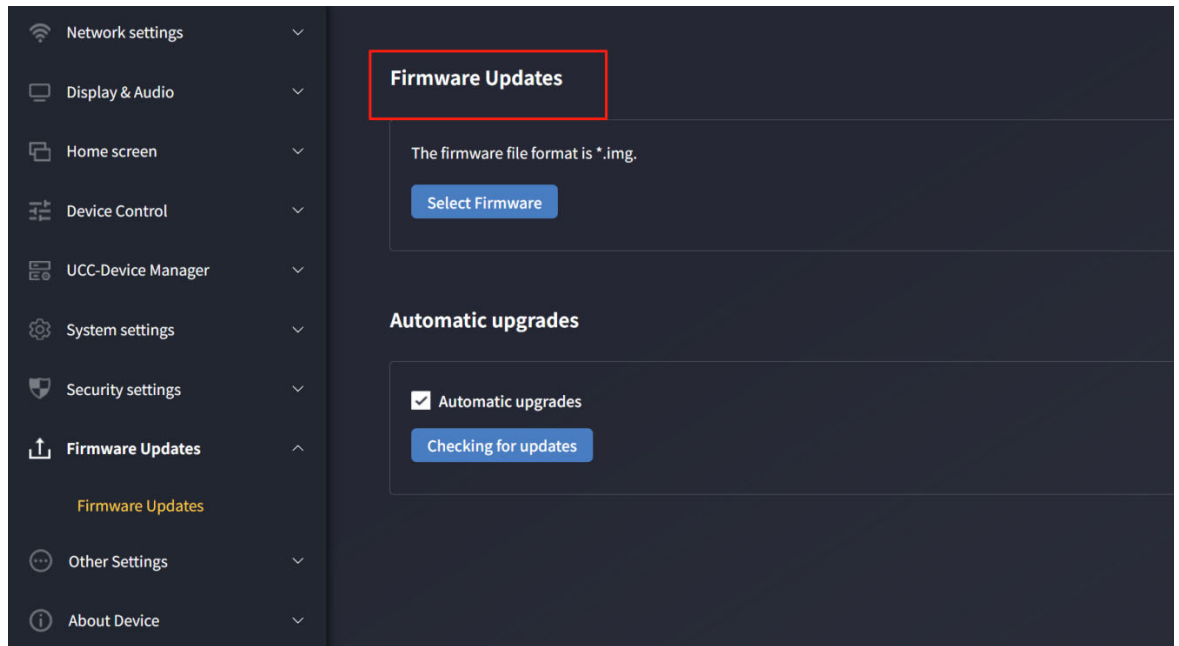


If the progress bar stalls at 1%, try a different USB drive (the current drive may be faulty).

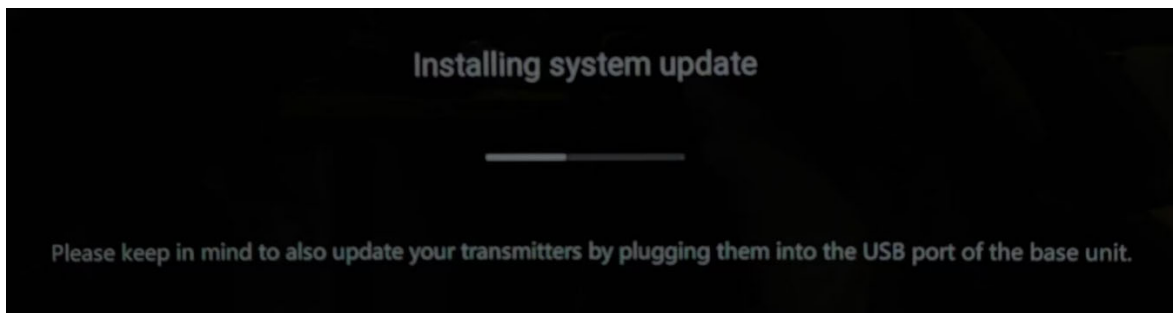
5. Disconnect the USB drive after the device boots to the main screen.
6. Perform a factory reset after firmware update.

• Web Setting:

1. Navigate to "Firmware Update" in "Web Settings".



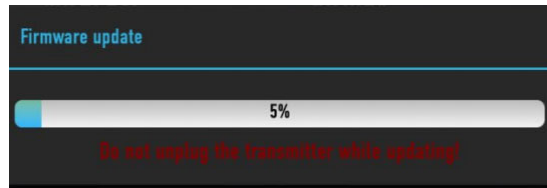
2. Select the "update.img" file.
3. The upgrade progress is displayed. WMS42M restarts automatically after completion.



4. Confirm the device boots to the main screen.
5. Perform a factory reset after firmware update.

7.2. Upgrading DG-H28 / DG-C28 Firmware

1. Insert DG-H28/DG-C28 into the corresponding front USB port of WMS42M. A message automatically indicates if the transmitter's firmware is outdated and needs upgrading.
2. The upgrade progress starts automatically via the progress bar.



3. Pairing with the WMS42M base unit completes automatically afterward.



4. Once the upgrade finishes, remove the wireless transmitter (DG-H28 / DG-C28) for use.

8. Troubleshooting

Below are common issues, causes, and solutions for WMS42M.

Issue	Cause	Solution
Android devices cannot find WMS42M via the Android app. iOS devices cannot find WMS42M via the AirPlay.	WMS42M WiFi password changed while the Android/iOS device was connected.	Reconnect the Android/iOS device using the password displayed on the main screen.
Unstable wireless connection between the Dongle and WMS42M.	WiFi issues: • Interference in the wireless channel. • Channel overload. • WMS42M does not auto-switch channels when the RF environment changes.	• Use a WiFi scanner to find free frequencies/channels and configure them in settings. • Regularly check the RF environment if WiFi networks change frequently.
	Low signal strength: • Metal cabinets, walls, and building components may cause reflection, thereby	• Position the WMS42M close to the main screen. • Adjust the direction of the antenna on the rear panel of

	reducing the wireless signal. • Obstacles between the dongler and WMS42M will lead to a decrease in wireless strength and quality.	the WMS42M to face the transmitter. • Clear or restrict all obstacles between the transmitter and WMS42M as much as possible. • Avoid placing the Base unit inside (metal) cabinets, suspended ceilings, under tables, or in adjacent rooms.
WirelessMedia fails to run when the dongle is inserted into a laptop.	If using the WMS42M on a laptop or a visitor's device for the first time, you must first copy the starter program "WirelessMedia" to your laptop/PC. Run this starter program. The Starter App can be operated without administrator privileges.	There are two ways to load the starter program WirelessMedia; please refer to the "System Settings" chapter. The optimal method is as follows: Download the application via the Base-unit's LAN or WiFi. Once the Launcher program is pre-installed, WirelessMedia can be used immediately thereafter.
	Poor USB port connection on the laptop.	• Reconnect to the USB port. • Try a different USB port. • Restart the laptop.
	• Corporate policies block certain USB devices. • The USB port settings on the laptop may restrict the use of high-power USB devices when operating on battery power.	Adjust USB port policies on the laptop if possible.
Poor video performance (blurriness, audio/video)	• Suboptimal media player. • Video quality depends on PC/laptop processing power, CPU load from other apps. • A laptop in battery mode	• Use another media player (e.g., VLC) or browser. • Update video player software. • Reduce CPU usage of other apps. • Lower laptop screen resolution.

loss, stuttering).	can switch to reduced power consumption to save energy. The transmission of high-definition videos requires a certain amount of CPU capability to ensure optimal transmission quality.	• Update graphics drivers. • Disable low-power mode on the laptop.
No video on the screen.	Content uses HDCP.	WMS42M inputs do not support HDCP sources. Connect the source to WMS42M local HDMI input if possible.
	HDMI cable is loose.	Connect the HDMI cable to the display and Base Unit.
	Display is off.	Turn on the display.
	When the WMS42M receiver is in standby mode, the "Power-LED" of the WMS42M flashes, which may be due to a lack of power supply.	• Power cycle the device. • Insert the dongle into the laptop.
When using Windows 7, the following message regarding the Windows Aero color scheme may appear: "Windows has detected that your computer is performing slowly. This might be because there are insufficient resources to run the Windows Aero color scheme. To improve..."	Lost connection to WMS42M.	Safely ignore the message and select "Keep current color scheme".
The content will	Lost connection to WMS42M.	• WMS42M attempts to restore the

disappear from the display, and the LED on the dongle button will be flashing.		connection. If failed, the button's LED flashes red. Remove the dongle from the laptop and try a new one.
No display output.	Display is off.	Turn on the display.
	Display cable is loose.	Connect the cable to the display and WMS42M.
	WMS42M is in standby mode.	Press the standby button on WMS42M or power cycle the device.
No LAN connection to WMS42M.	Incorrect IP address.	- IP address is outside the LAN range. - DHCP is disabled.
No WiFi connection between mobile devices and WMS42M.	Incorrect WiFi frequency.	Ensure the mobile device uses the correct 2.4GHz or 5GHz band.
	Wrong SSID or password.	Enter the correct SSID and password.
No audio when transferring local files to WMS42M.	Unsupported audio formats (e.g., Dolby MS11, DDCO, DTSLBR, DTS, SRS-THEATERSOUND, DTS_StudioSound3D, DTS_HD).	Reformat to supported formats (e.g., DD, DD+, HE-AAC, DTS, DMP, WMA, DRA, COOK) if possible.
No sound on MacBook.	Issues with the Soundflower application, which is integrated in the driver WirelessMedia application.	- Admin password is required. - Go to macOS System Preferences > Security & Privacy. Allow "Soundflower" by clicking "Allow" next to "Matt Ingalls". - Relaunch WirelessMedia to auto-install Soundflower.

No AirPlay sound.	Mobile device volume is too low.	Increase the Mobile device volume.
No sound on the main screen when mirroring via "WirelessMedia for Android".	Android limits audio capture, so mirrored videos have no sound.	Use Dongle or Apple AirPlay for audio if needed.
Cannot update WMS42M firmware.	USB drive is formatted as NTFS.	Reformat the USB drive to FAT.
Cannot use AirPlay on MacBook/iPhone/iPad.	OS requirements: Mac OS 10.9+, iOS 8.0+ (WirelessMedia app).	• Connect the iOS device to WMS42M's WiFi and enable AirPlay in Control Center. • Update the iOS device to a newer OS.
Poor AirPlay video quality.	AirPlay has two modes: a) Mirroring: 1:1 screen copy. b) Streaming: Video (internet, YouTube), no iOS device display. → Stuttering video.	Lower YouTube quality (e.g., from "Auto" to 720p).
Cannot use with Android devices	OS requirement: Android 2.3 or higher (WirelessMedia app)	Update to a higher version of the operating system

9. Technical Data

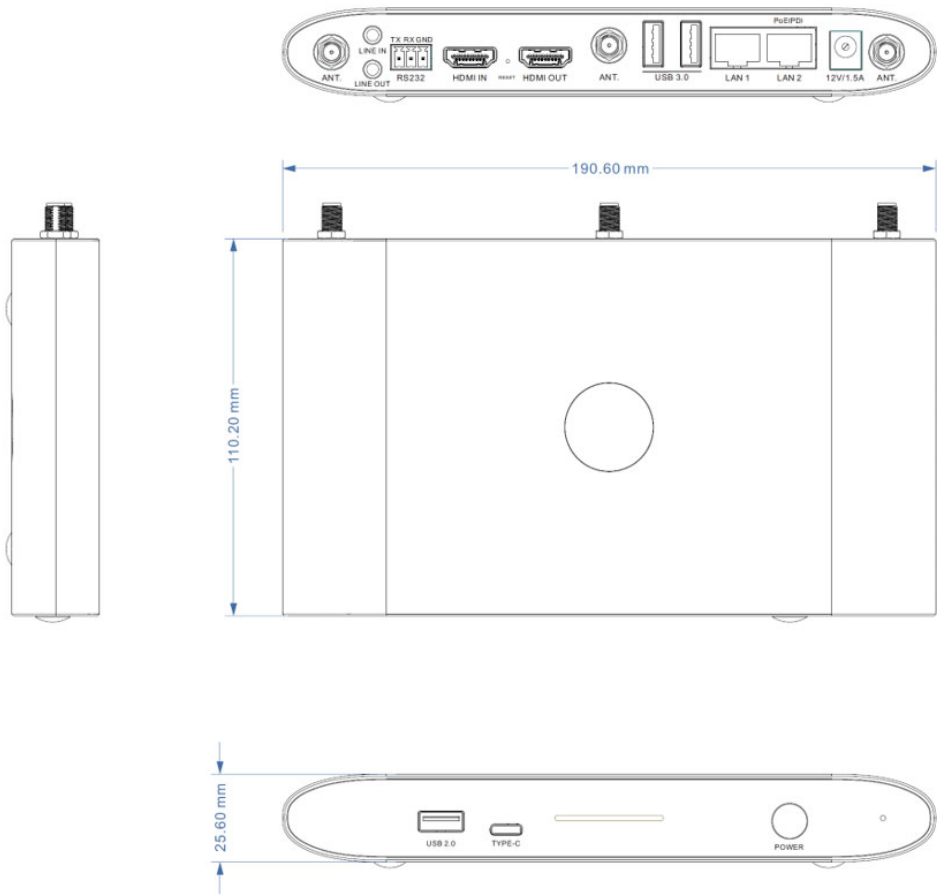
9.1. Specification

Specification	
HDMI output	1x HDMI 19-pin female connector
HDMI Output Resolution	3840x2160@60Hz, 3840x2160@30Hz, 1920x1080@60Hz, 1280x720@60Hz
HDMI Format Compliance	HDMI1.4/HDMI2.0
Video Capacity:	1080P @ ≤60Hz for Airplay, Miracast, Chromecast
	4K @ ≤30Hz "WirelessMedia" app
	4K @ ≤30Hz for HDMI show-me button
	4K @ ≤30Hz for USB-C show-me button
	4K @ ≤30Hz for HDMI input
HDCP	HDCP1.4/HDCP2.2
HDMI Input	1x HDMI 19-pin female connector
HDMI Input Format Compliance	HDCP1.4
HDMI Input Resolution	3840x2160@30Hz, 1920x1080@60Hz, 1280x720@60Hz
Analog Audio Output	1x 3.5mm PC audio female jack
Analog Audio Input	1x 3.5mm PC audio female jack
LAN port	RJ45 x2: 1000Mbps x2
USB interface	USB3.0: Type A x2; USB2.0: Type A x1, Type C x1
Audio Input	AirPlay, Miracast, Chromecast, Windows/MAC App, WMH, WMC, USB(MIC)
Audio output	Jack, HDMI, Jack + HDMI, USB(Speaker)
Control connectors	3.5mm Phoenix terminal/ RS232 interface
Number of window simultaneous on screen	≤ 4+12 (4 main windows+12 thumbnail windows)
Number of simultaneous connections	≤ 16
Video Playback Frame Rate	20-60 FPS

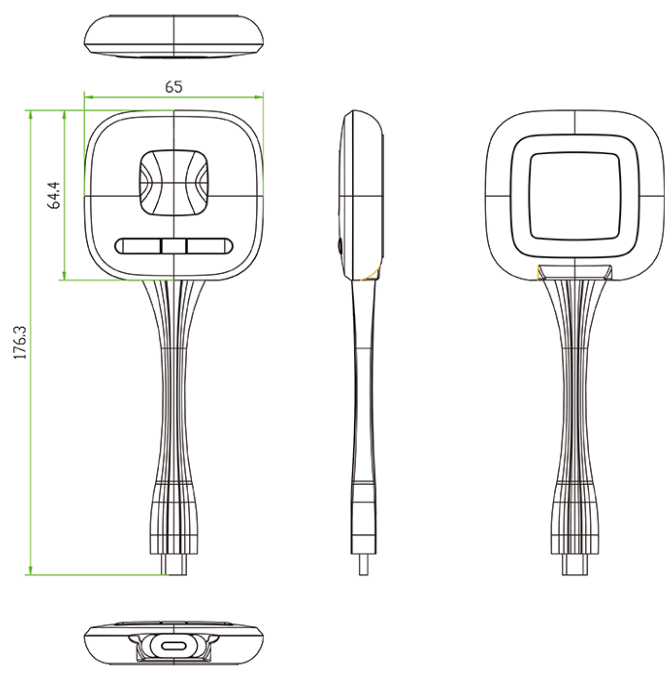
Latency	< 100ms, Min 20ms
WIFI Data rate	Up to 1200Mbps
Wireless transmission protocol	WIFI IEEE 802.11 a/b/g/n/ac/ax, Bluetooth: 5.2
Found nearby devices	support
Frequency band	2.4 GHz & 5 GHz
WIFI Antenna	MIMO 2x2, MIMO 1x1

9.2. Mechanical Drawings

WMS42M



DG-H28



All the measurements are in mm
All the measurements are in mm

DG-C28

FCC Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device must operate with a minimum distance of 20 cm between the radiator and user body.