ETV Series User Manual

18 Bit+ Image Processing Wide Viewing Angle Auto Calibration Module Perfect Structure Design

EZ
LED Visual

Table of Contents

Safety Information

WARNING!

Please read the Safety Measures listed in this section carefully before installing, switching on, operating and maintenance of this product.

The following marks on the product and in this manual indicate important safety measures.

WARNING!
Safety Risk!
Might cause
equipment damage
Or safety risk.

WARNING!
Please read the
manual before
operating.

WARNING!
Dangerous Voltage!
Might cause
equipment damage
or electric shock.

WARNING!
Hot Surface!
Do not touch.

WARNING!
Flammable!

WARNING!
Possible damage
to eyes.

WARNING: Be sure to understand and follow all safety guidelines, safety instructions, warnings and precautions listed in this manual.
This product is for professionals use only!
This product may result in serious injury or death due to fire hazard, electric shock or on dropping.

Please read this manual carefully before installing, powering up, operating and maintenance of this product.
Follow safety instructions in this manual and on the product. If you have any questions, please seek help from EZ LED Visual.

Beware of Electric Shock!
• To prevent electric shock the device must be properly grounded during installation. Do not ignore using the grounding plug, or else there is a risk of electric shock.
• During a lightning storm, please disconnect the device's power supply, or provide other suitable lightning protection. If the equipment is not in use for a long time, please unplug the power cord.
• When performing any installation or maintenance work (e.g. removing the fuses, etc.,) make sure to turn off the master switch.
• Disconnect AC power when the product is not in use, or before disassembling, or installing the product.
• The AC power used in this product must comply with local building and electrical codes, and should be equipped with overload and ground fault protection.
• The main power switch should be installed at a location near the product and should be clearly visible and easily reached. This way in case of any failure the power can be promptly disconnected.
• Before using this product check all electrical distribution equipment, cables and all connected devices, and make sure all meet current requirements.
• Use appropriate power cords. Please select the appropriate power cord according to the required power and current capacity, and ensure the power cord is not damaged, aged or wet. If any overheating occurs, replace power cord immediately.
• For any other questions, please consult a professional.

Beware of Fire!
• Use a circuit breaker or fuse protection to avoid fire caused by power supply cables overloading.
• To avoid fire caused by power supply cables overloading, do not connect to the same power supply point for more than 8 cabinets（N4W 6 cabinets）at a voltage of 100-120V, or 16 cabinets（N4W 12 cabinets）at a voltage of 200-240V.
• Maintain good ventilation around the display screen, controller, power supply and other devices, and keep a minimum 0.1 meter gap with other objects.
• Do not stick or hang anything on the screen.
• Do not modify the product, do not add or remove parts.
• Do not use the product in case ambient temperature is over 40℃.

Beware of Injury!
• Warning: Wear a helmet to avoid injury.
• Ensure any structures used to support, fix and connect the equipment can withstand at least 10 times the weight of all the equipment.
• When stacking products, please hold products firmly to prevent tipping or falling.
• Ensure all components and steel frames are securely installed.
• When installing, repairing, or moving the product, ensure the working area is free of obstacles, and ensure the working platform is securely and stably fixed.
• In the absence of proper eye protection, please do not look directly at the lit screen from within a 1 meter distance.
• Do not use any optical devices that have converging functions to look at the screen to avoid burning the eyes.

WARNING: Beware of suspended loads.

LED lamps used in the module are sensitive and can be damaged by ESD (electrostatic discharge). To prevent damage to LED lamps, do not touch when the device is running or switched off.

WARNING: The manufacturer shall not bear any responsibility for any incorrect, inappropriate, irresponsible or unsafe system installation.

Product Disposal
• Any component that has a recycling bin label can be recycled.
• For more information on collecting, reusing and recycling, please contact the local or regional waste management unit.
• Please contact us directly for detailed environmental performance information.

# Product Introduction

About ETV Series

EZ LED ETV is an All-In-One direct view LED display product with a built-in OS and easy set up. It provides a user-friendly way to address today's need for large-size display with simple deployment and easy operation.

ETV's highly modularized and standardized structure design enables people to deploy this product to any place with an ease. Users can operate it in a simple way via its control panel and a remote controller. Its in-built Android-based system allows real-time wireless screen sharing from up to 4 devices. And the users can easily interact with this display via their Windows/IOS/Android smart phones, tablet pcs, laptops, and PCs.

All these functionalities make ETV a great fit for applications like meeting room, conference room, control rooms, broadcast studios, corporate lobbies, hotel ballrooms, retail stores, public transportation hubs, banks, churches, airports, museums, etc.
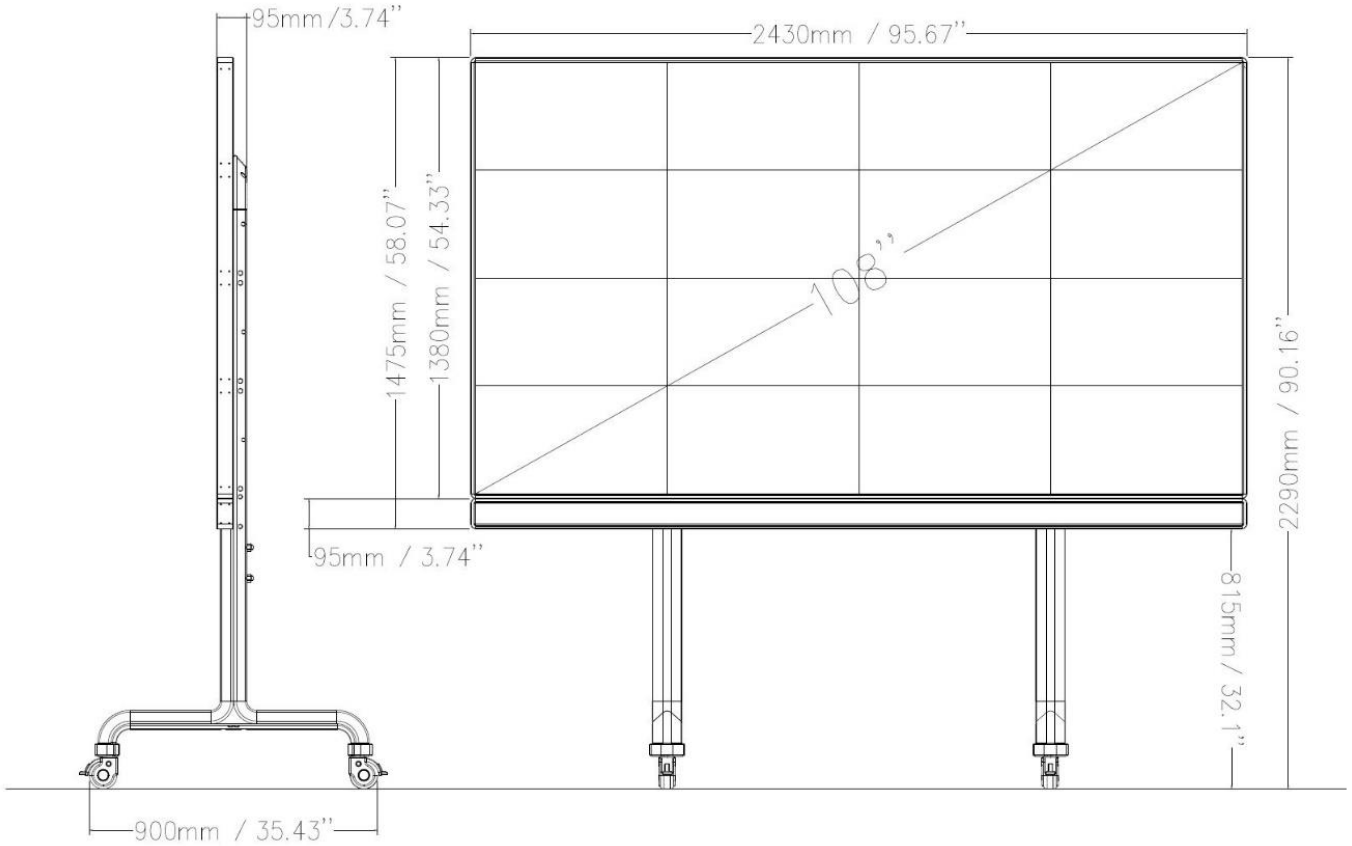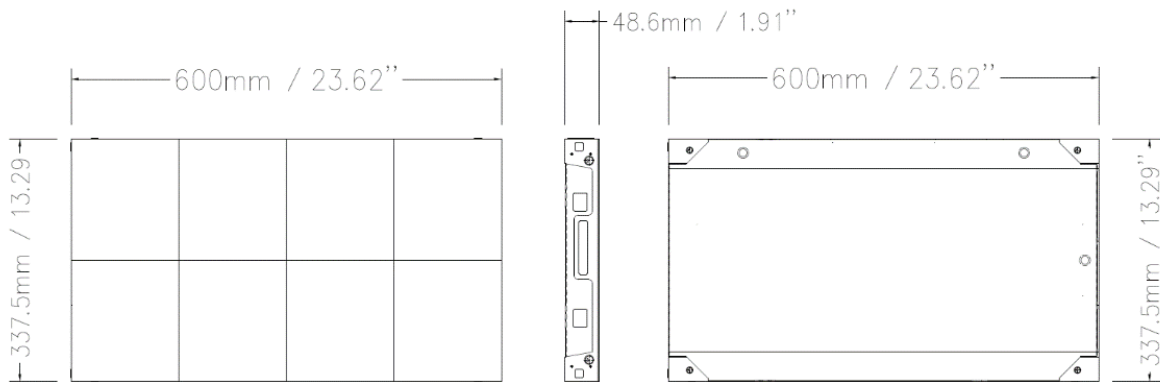
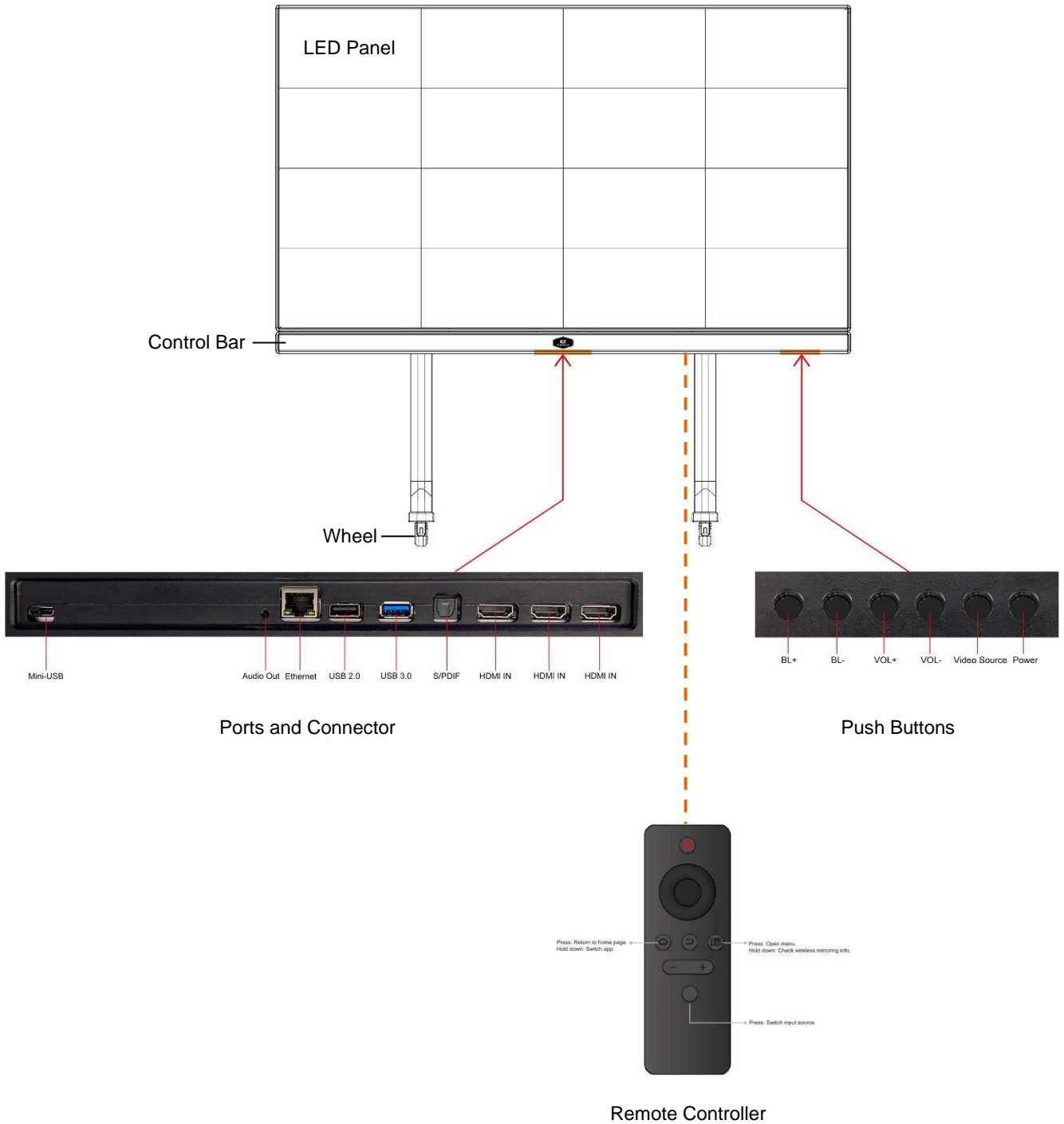Front
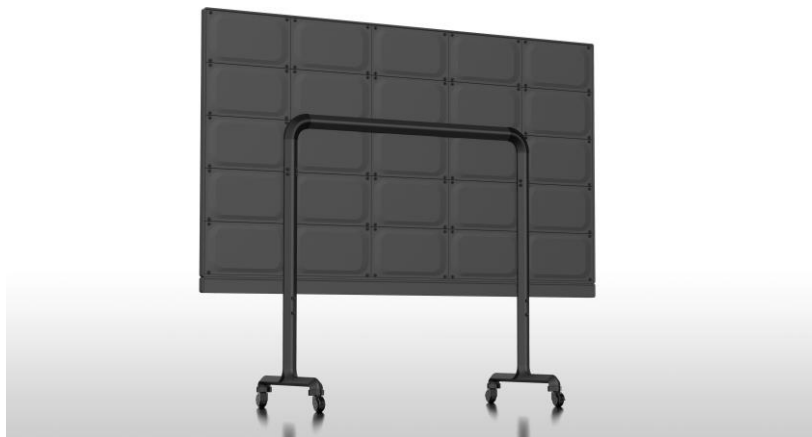
Rear

Product Dimensions

ETV 108'' Dimensions

Panel Dimensions
Front / Side / Back

Product Specifications

Specification	Detail			
Product Name	ETV 0.9mm	ETV 1.2mm	ETV 1.5mm	ETV 1.8mm
Pixel Pitch	0.9mm	1.25mm	1.56mm	1.87mm
Display Resolution(W*H)	3840*2160	1920*1080	1920*1080	1920*1080
Display Diagonal	**163"**	**108"**	**136"**	**163"**
Maximum Power (watts)	2,600	1,300	1,900	2,400
Typical Power (watts)	900	400	600	750
Line Voltage	100-240V AC	100-240V AC	100-240V AC	100-240V AC
Brightness (nits)	600-800	600-800	600-800	600-800
Contrast Ratio	6,000:1	6,000:1	6,000:1	6,000:1
Color Uniformity	>98.5%	>98.5%	>98.5%	>98.5%
Color Gamut	100% NTSC	100% NTSC	100% NTSC	100% NTSC
LED Refresh Rate	3,840 Hz	3,840 Hz	3,840 Hz	3,840 Hz
Color Temperature (k)	3,000 - 10,000	3,000-10,000	3,000-10,000	3,000-10,000
Viewing Angle (H/V)	170°/170°	170°/170°	170°/170°	170°/170°
LED Lifetime: Typical	100,000 hrs	100,000 hrs	100,000 hrs	100,000 hrs
Protection	IP40	IP40	IP40	IP40
Acoustic Noise	Fanless	Fanless	Fanless	Fanless
Operating Temperature	-20° to 40° C	-20° to 40° C	-20° to 40° C	-20° to 40° C
Storage Temperature	-20° to 60° C	-20° to 60° C	-20° to 60° C	-20° to 60° C

Product Components

LED Panel

Control Bar

Wheel

Mini-USB

Audio Out Ethernet USB 2.0 USB 3.0 S/PDIF HDMI IN HDMI IN HDMI IN

Ports and Connector

BL+ BL- VOL+ VOL- Video Source Power

Push Buttons

Press: Return to home page.
Hold down: Switch app.

Press: Open menu.
Hold down: Check wireless mirroring info.

Press: Switch input source.

Remote Controller

Product Installation

Tool Preparation

Allen Wrench Set

Screwdriver Set

Front Service Tool

Installation Steps

Step 1:
Get the arch-shaped
back frame assembled.

Step 2:
Install the control bar
on the back frame.

Installation Steps

Step 3:
Install the LED panels on the control bar one by one. Connect the panels to the back frame with bolts. Lock the panels to each other through their top and side latches.

Step 4:
Use brackets to strengthen the connections between panels. Watch the alignment of the panels during this process.

Installation Steps

Step 5:
Install the trim pieces.

Step 6:
Connect the display with power.

Operation System Guide

1 Initialize the Operation System

For the first-time use of the system, do the following steps to complete the initialization settings.

Step 1   Set the system language. You can choose from Chinese, English or Japanese.

Figure 1-1 Choosing a language
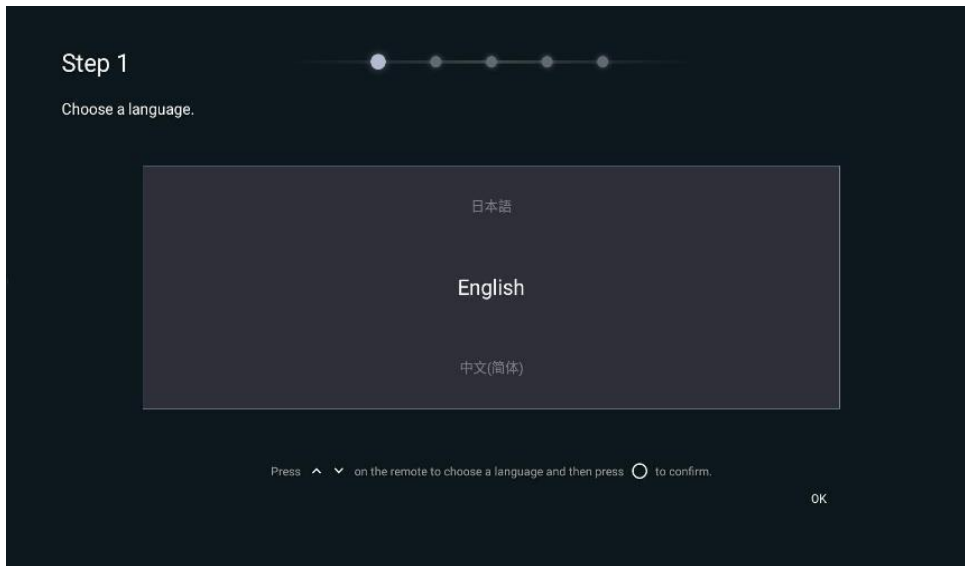
Step 2   (Optional) Pair the system with the remote for Bluetooth connection. Hold down the menu and Home buttons on the remote simultaneously until the **Connecting to the remote** window appears at the bottom of the screen.

Figure 1-2 Pairing with the remote
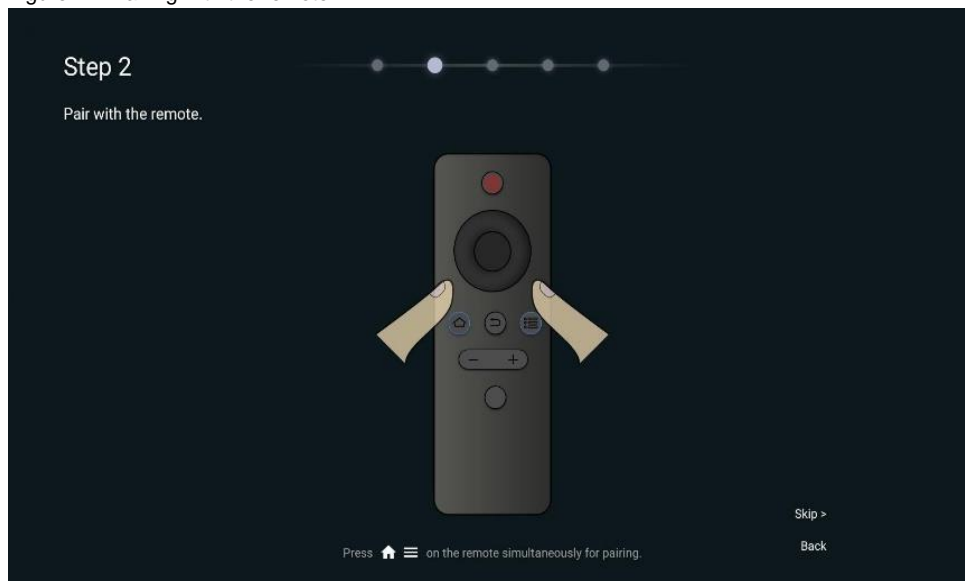
Step 3   (Optional) Select the Wi-Fi network you want to connect the system to and enter the password

Figure 1-3 Connecting to a Wi-Fi network
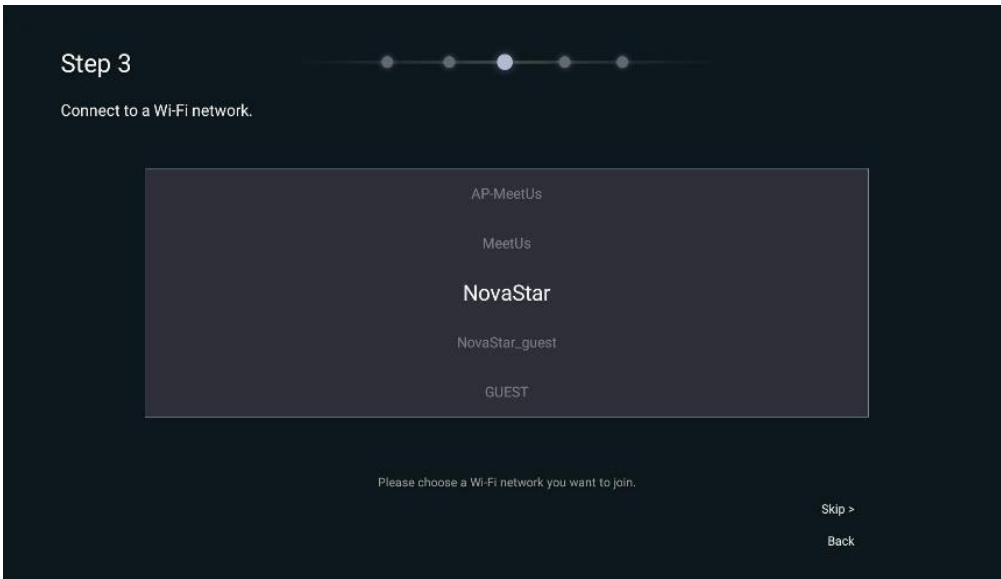
Step 4   (Optional) Customize the device name. A custom name is convenient for you to use other devices to search for.

Figure 1-4 Customizing device name
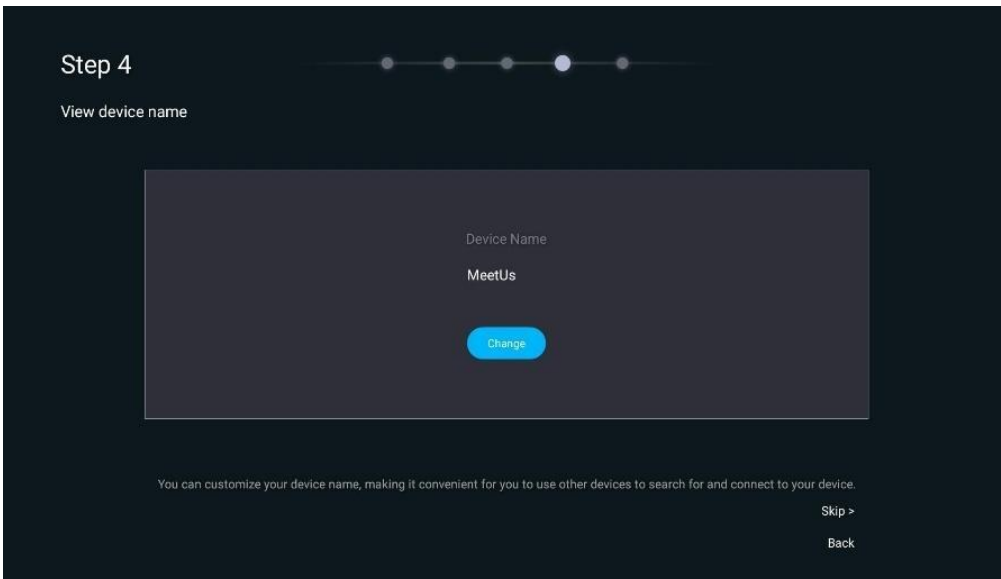
Step 5   (Optional) Pair the system with the mirroring dongle by inserting the dongle into the USB port of the LED screen.

📄**Note:**

If you are not using the mirroring dongle of NovaStar, please skip this step.

Figure 1-5 Pairing with the dongle
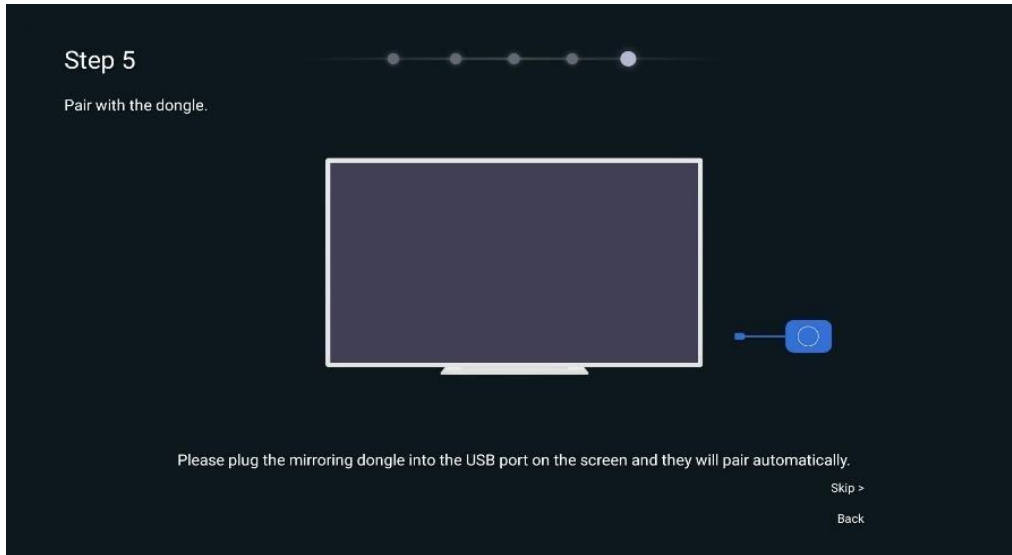
Step 6   The initialization settings are done. You can see the Beginner's Guide or start using the system directly.

2 Usage of the Remote

Buttons on the Remote

Figure 2-1 Description of buttons on the remote

Press: Return to home page.
Hold down: Switch app.

Press: Open menu.
Hold down: Check wireless mirroring info.

Press: Switch input source.

Note:

If you lose the Bluetooth remote, you can place another order to purchase a new Bluetooth remote.

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3 Screen Mirroring

3.1 Wireless Mirroring

3.1.1 System Structure

Figure 3-1 Wireless mirroring (using the MEE200 as an example)
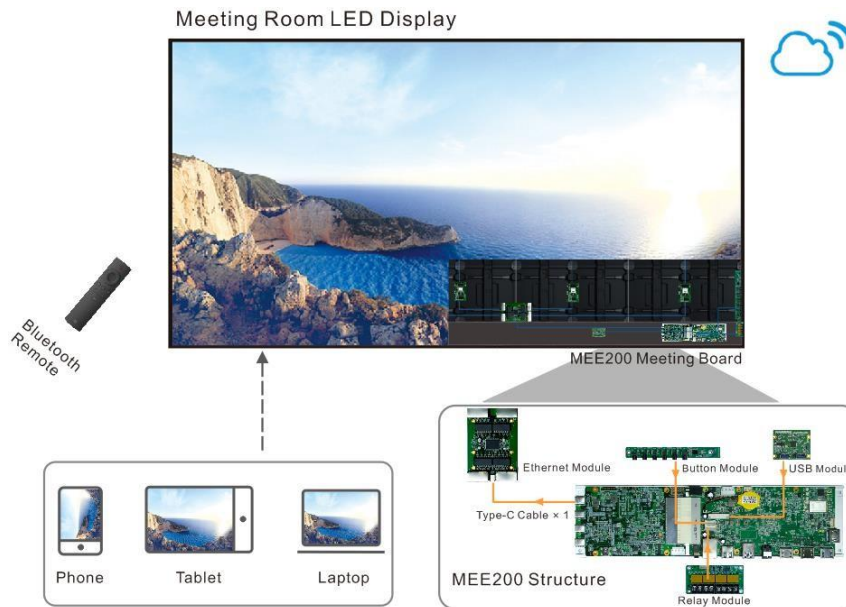
3.1.2 Mirroring from Mobile Phone

Mirroring from Android

Step1   Use the phone to scan the QR code on the **Quick Sharing** screen to download the Transcreen app and install it on the phone.

Step2   Connect the phone to the hotspot of system (default name: MeetUs_xxxx; default password: 12345678).

Step3   Run the Transcreen app on the phone. On the displayed **Select for Devices** window, select the device you want to connect to, and tap **Confirm**.

Step4   Tap **Mirror** and then tap **Start now** on the displayed window to start mirroring.

Figure 3-2 Running the Transcreen app
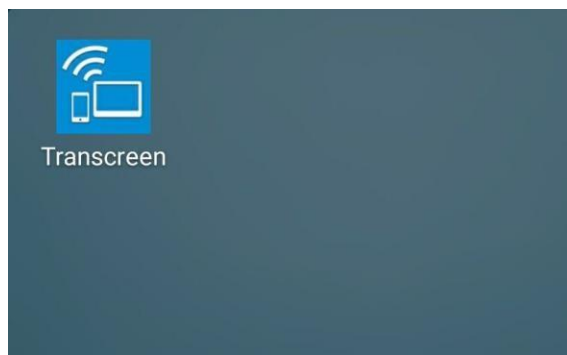
Mirroring from iOS

Step1   Connect the phone to the hotspot of system (default name: MeetUs_*xxxx*; default password: 12345678).

Step2   Swipe up from the bottom edge of any screen to open the control center.

Step3   Tap **Screen Mirroring** and select to start mirroring.

Figure 3-3 Screen mirroring

## 3.1.3 Mirroring from PC

Mirroring from Windows

Step1   On the PC, open a browser, enter the website address "meexus.cn" and download the **LinkED for Windows** client.

Step2   Connect the PC to the hotspot of system (default name: MeetUs_*xxxx*; default password: 12345678).

Step3   Run the client on the PC. The connected device will be detected by the client automatically. Then, click **Start projection**.
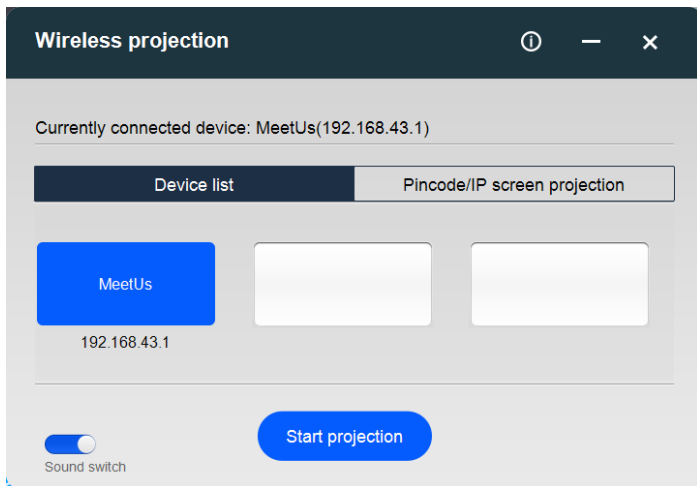
Mirroring from Windows

Step1   Connect the PC to the hotspot of system (default name: MeetUs_*xxxx*; default password: 12345678).

Step2   Click the AirPlay icon in the menu bar at the top of your screen, and select the device you want to mirror the screen to.

Figure 3-4 Screen mirroring - Mac
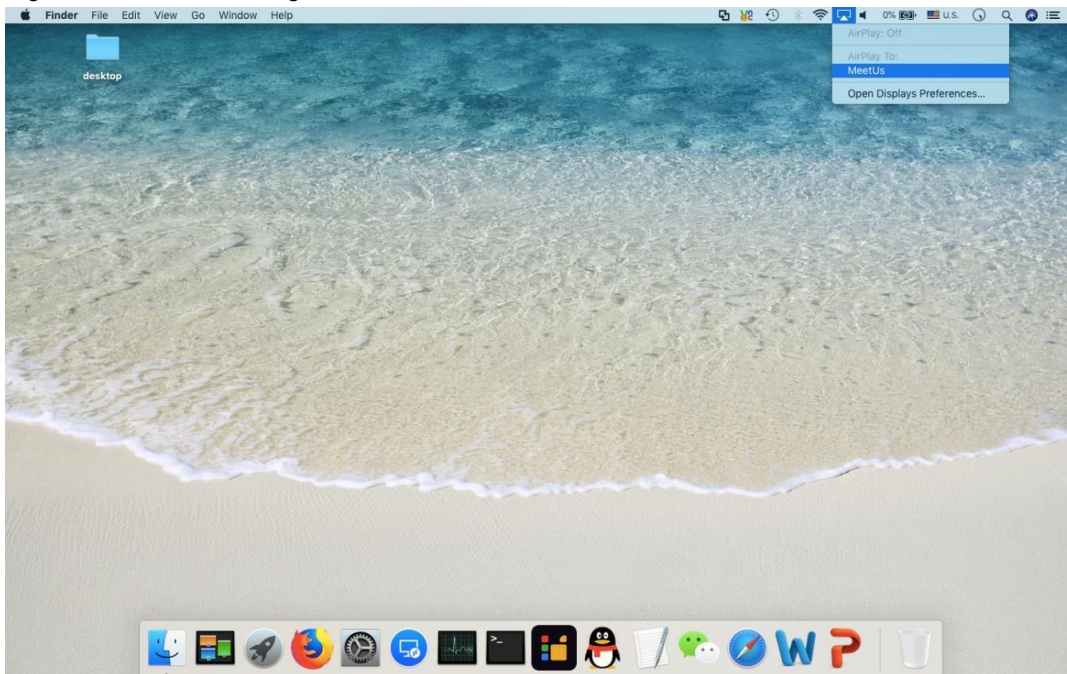
3.1.4   Mirroring via Dongle

If you are using the mirroring dongle of NovaStar, do the following steps to mirror the screen via the mirroring dongle.

Step 1   For the first-time use, or after you change the device name, hotspot name or hotspot password, you must insert the mirroring dongle into the USB port of the meeting board for pairing.

Figure 3-5 Pairing with the dongle
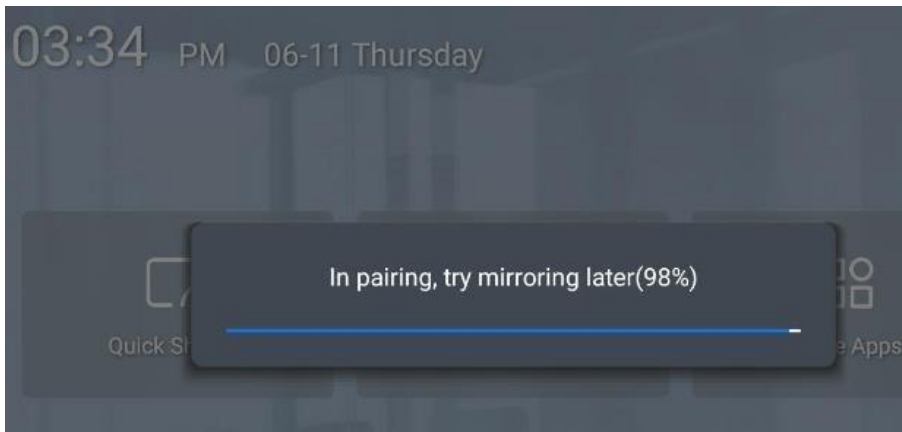
Step 2   Insert the dongle that you have paired with the meeting board into the USB port of the PC.

Figure 3-6 Connection successful

Step 3   When a pop-up window with the "Connection successful" message appears on the desktop, press the round

button   on the dongle to start mirroring.

3.1.5 Mirroring Multiple Devices Simultaneously

The system supports mirroring multiple devices simultaneously. The meeting room display is split into multiple sections to show the mirrored screens of the devices. Users can mirror up to 4 devices to the system at the same time. To mirror multiple devices to the system, do the following steps.

Step 1   On the home screen of system, select **Quick Sharing** to enter the screen shown below.
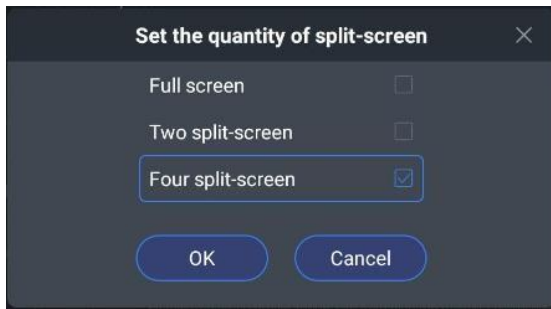
Figure 3-7 Quick sharing
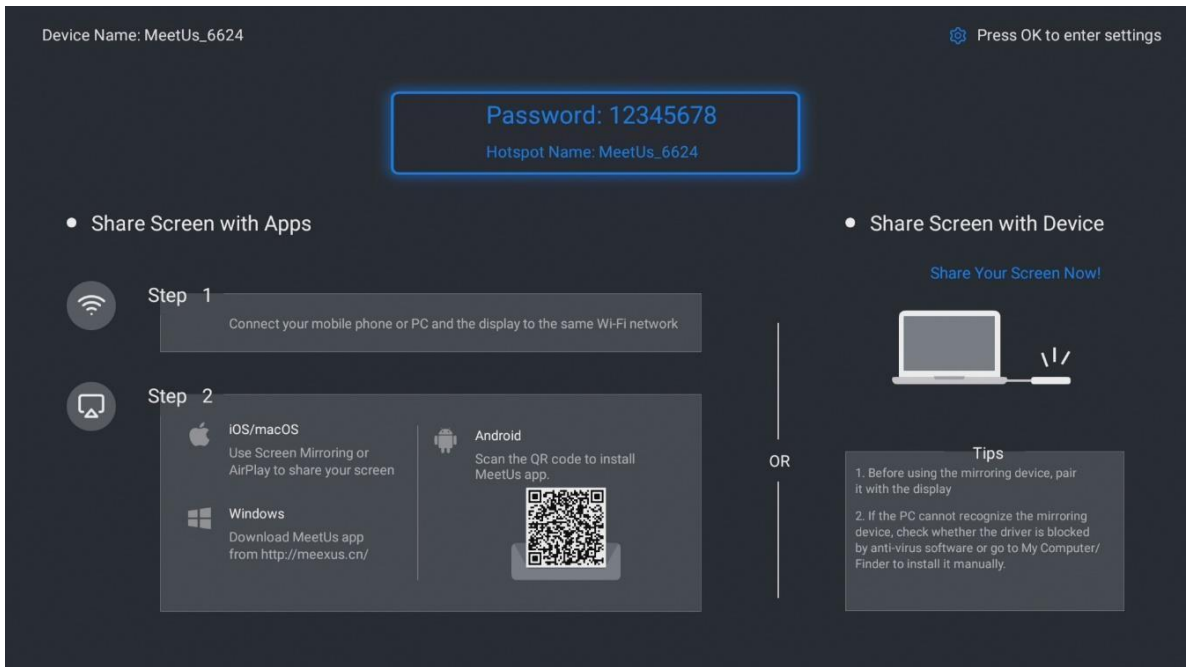
Step 2   Press the **OK** button on the remote or select the icon at the top right corner to open the **Mirror Setting** menu, and select **Set the quantity of split-screen**.
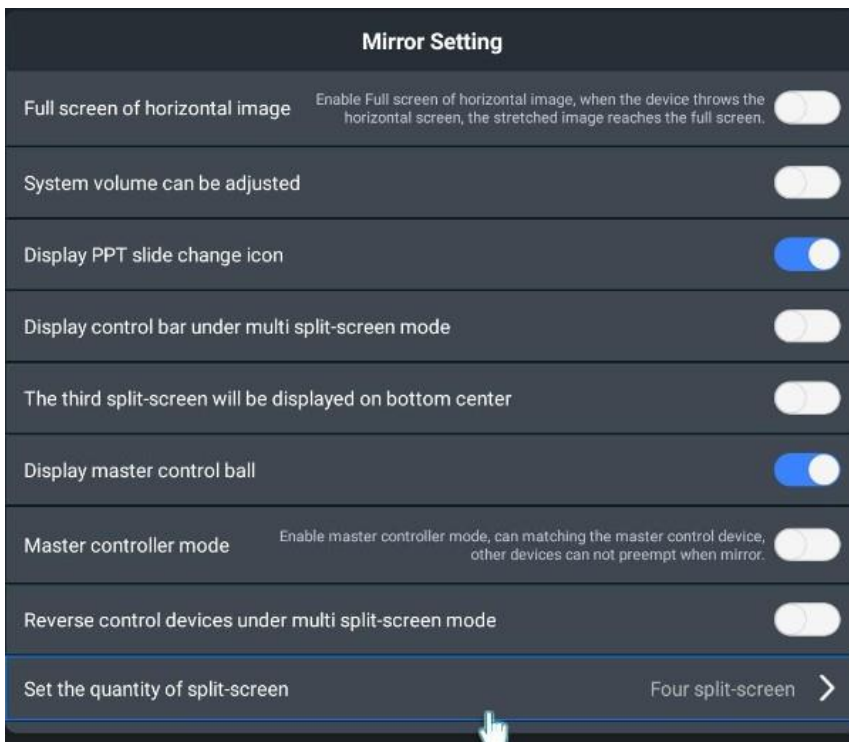
Step 3   In the window that appears, select a mirroring mode from **Full screen**, **Two split-screen**, and **Four split-screen**.

Figure 3-8 Setting the quantity of split-screen

Step 4　Enable **Display master control ball** in the menu to open the **Wireless Central Control** window. On the window, click the connected devices with the mouse one by one to complete split-screen mirroring.

Figure 3-9 Wireless central control

Note:

You can only use the connected mouse or touch screen to select and operate on the master control ball.

The remote cannot work on the control ball.

For iOS devices, you can only use their screen mirroring function to mirror screens. You cannot mirror screens via the master control ball.

In split-screen mode, the sound of only one screen can be played, but the sound for each screen can be turned on or off independently.

You can swap positions of the screens, and double click a screen to let it display in full screen.

3.1.6　Reverse Control

The system supports reverse control during mirroring. The speaker can walk around the room freely and use the Android mobile device (phone or tablet) to reversely control the computer that is being mirrored.

Step 1　Use the mobile device to scan the QR code on the **Quick Sharing** screen to download and install the Transcreen app.

Step 2　Connect the mobile device to the hotspot of system (default name: MeetUs_xxxx; default password: 12345678).

Step 3　Run the Transcreen app on the phone. On the displayed **Select for Devices** window, select the device you want to connect to, and tap **Confirm**.

Figure 3-10 Secondary mirroring
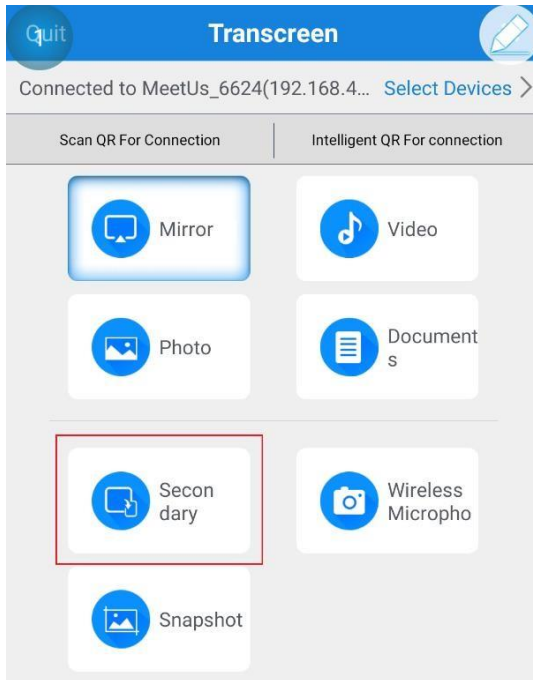
Step 3   For the first-time use, tap **Mirror** and then tap **Start now** on the displayed window to start mirroring.

Step 4   Tap **Secondary mirror** to start reverse control.

3.1.7   Wireless Snapshot

The system supports wireless snapshot function. The audience can use the mobile device (phone or tablet) to take a snapshot of the content mirrored on the meeting room display by the speaker. The snapshot will be transmitted and saved to a specified location of the audience's mobile device instantly.

Step 1   On the system, enable **Display master control ball** in the menu to open the **Wireless Central Control** window.

On the window, enable the **Wireless Snapshot** function.

Figure 3-11 Wireless central control

Step 2   Use the mobile device to scan the QR code on the **Quick Sharing** screen to download and install the Transcreen app.

Step 3   Connect the mobile device to the hotspot of system (default name: MeetUs_*xxxx*; default password: 12345678).

Step 4   Run the Transcreen app on the phone. On the displayed **Select for Devices** window, select the device you want to connect to, and tap **Confirm**.

Figure 3-12 Wireless snapshot
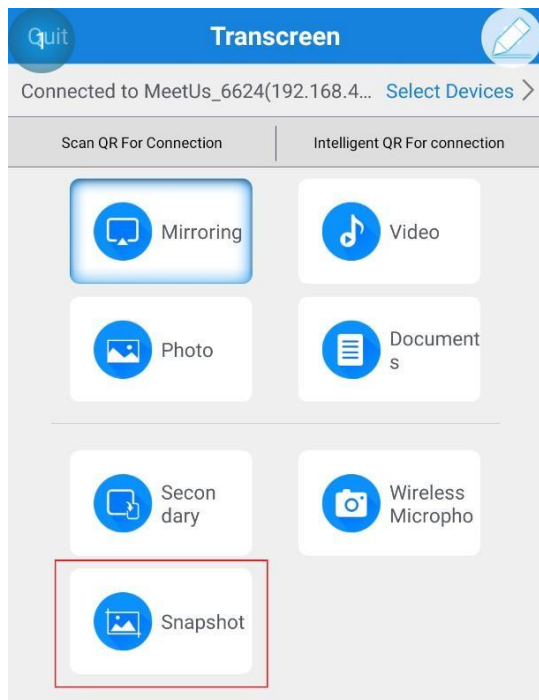
Step 5   Tap **Snapshot**. A snapshot of the mirrored content will be taken instantly and saved to the specified location.

3.1.8   Wireless Speech

The system supports wireless speech function. The mobile device (phone or tablet) can be used as a microphone, and the audience can make a speech directly via the mobile device. The sound will be transmitted to the sound system in the room.

Step 1   On the system, enable **Display master control ball** in the menu to open the **Wireless Central Control** window. On the window, enable the **Wireless Speech** function.

Figure 3-13 Wireless central control

Step 2   Use the mobile device to scan the QR code on the **Quick Sharing** screen to download and install the Transcreen app.

Step 3   Connect the mobile device to the hotspot of system (default name: MeetUs_*xxxx*; default password: 12345678).

Step 4   Run the Transcreen app on the phone. On the displayed **Select for Devices** window, select the device you want to connect to, and tap **Confirm**.
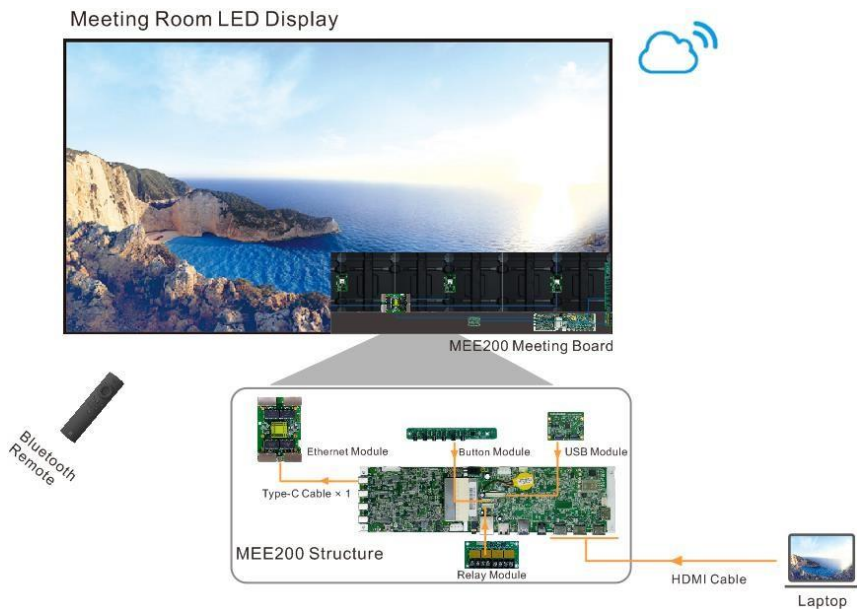
Figure 3-14 Wireless microphone
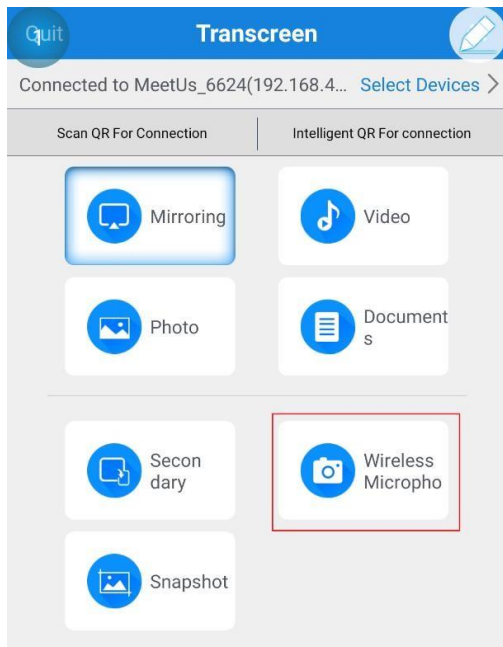
Step 5   Tap **Wireless Microphone**. On the displayed screen, tap and hold **Press to talk** to talk directly.

3.2   Wired Mirroring

3.2.1   Signal Source Connection

Connect the meeting board to the device you want to mirror the screen from via HDMI cable.

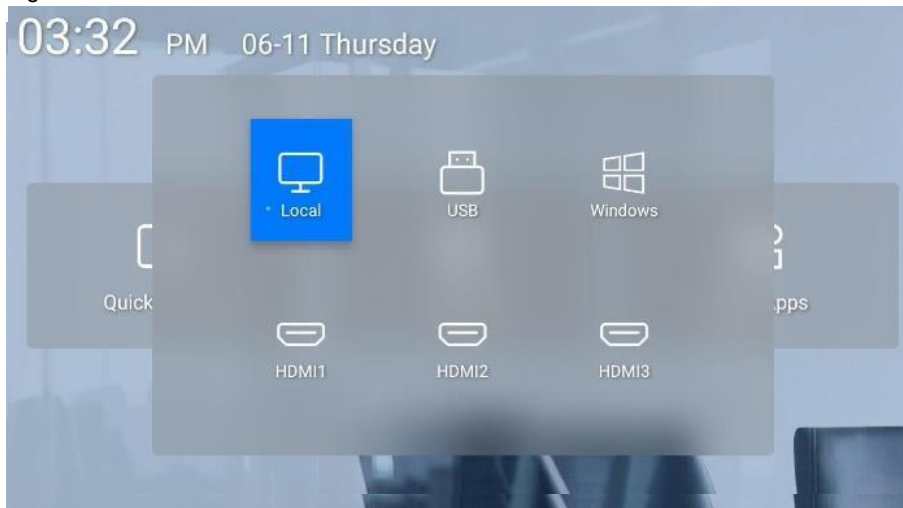Figure 3-15 Wired mirroring (using the MEE200 as an example)

3.2.2   Signal Source Switching

You can switch the signal source via the following 3 methods.

- Via Presentation

Step 1　On the home screen of system, select **Presentation** to enter its screen.

Figure 3-16 Presentation screen

Step 2　Select the signal source that you want to present, and press the **OK** button on the remote to complete switching.

- Via Menu

Step 1　On the remote, press the menu button to enter the menu.

Figure 3-17 Menu screen

Step 2　Select **Source** to open the signal source switching screen displayed at the bottom of the display.

Step 3　Select the signal source that you want to present, and press the **OK** button on the remote to complete switching.

- Via Remote

Step 1　On the remote, press the signal source switching button to open the signal source switching screen displayed at the bottom of the display.

Step 2　Select the signal source that you want to present, and press the **OK** button on the remote to complete switching.
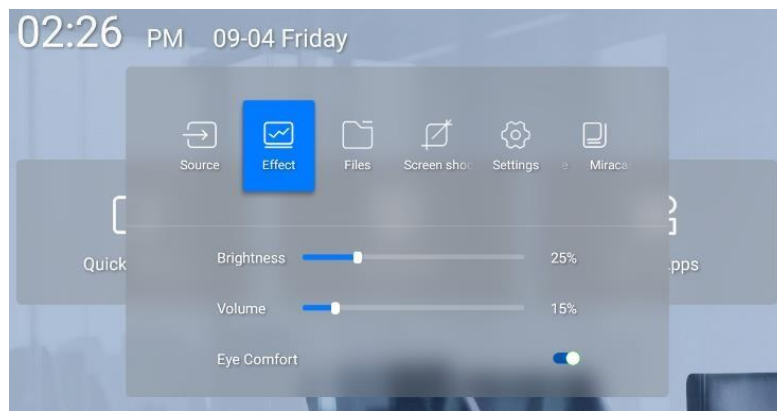
4 Display Effect Adjustment

To have a more comfortable viewing experience, you can adjust the display effect via the following 3 methods.

Select An Application Mode

For different meeting applications, provides 4 modes to let the document presentation, video playback and remote meetings have the optimal display effect.

Step 1   On the remote, press the menu button to enter the menu.

Figure 4-1 Menu screen

Step 2   Select **Effect** and press the **OK** button to enter the effect adjustment screen.

Figure 4-2 Effect adjustment screen

Step 3   Select a mode based on your actual need.

- Standard Mode: This is the default mode and covers most applications.

- Soft Mode: This mode is suitable to applications where there is a lot of text, such as document presentation, PPT slide show, etc.

- Movie Mode: This mode is suitable to video and movie playback applications.

- Conference Mode: This mode is suitable to the applications where there are many figures, such as a remote conference.

Customize a Display Effect

You can fine-tune the effect parameters after selecting an application mode to satisfy personalized requirements.

Step 1   On the remote, press the menu button to enter the menu.

Step 2   Select **Effect** and press the **OK** button to enter the effect adjustment screen.

Figure 4-3 Effect adjustment screen

Step 3   Adjust the brightness, saturation, contrast, color temperature and hue parameter values to customize the display effect.

Step 4   (Optional) If you are not satisfied with the effect after adjustment, press the **Reset** button to reset the parameter values to the defaults.

Enable Eye Comfort Mode

You can enable the eye comfort mode on the system via one-click only.

Step 1   On the remote, press the menu button to enter the menu.

Figure 4-4 Eye comfort mode

Step 2   Toggle the **Eye Comfort** switch to enable or disable the mode

5 Settings Management

5.1 File Management

You can do the following steps to manage the files.

Step 1 On the home screen of system, select **More Apps** to enter the App screen.

Step 2 Select **ES File Explorer** to enter its screen.

Figure 5-1 ES File Explorer
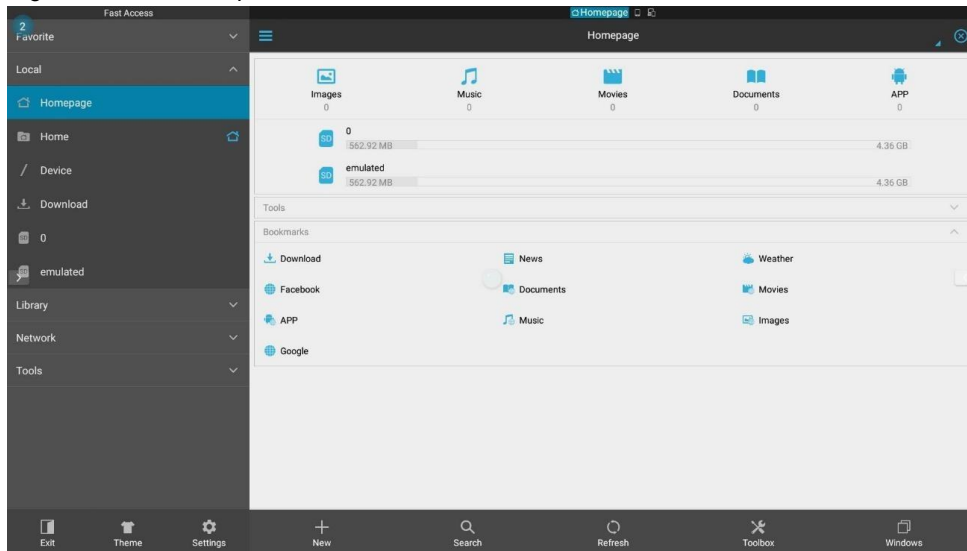
Step 3 Select the folder where the target file is located.

Step 4 Select the target file and press the **OK** button on the remote to open the file.

Step 5 (Optional) Hold down the **OK** button of the remote or the left mouse button on the target file to enable and use the file operation options at the bottom of the display, including copy, cut, delete and rename.

Figure 5-2 ES File Explorer - Copy / Cut / Delete / Rename
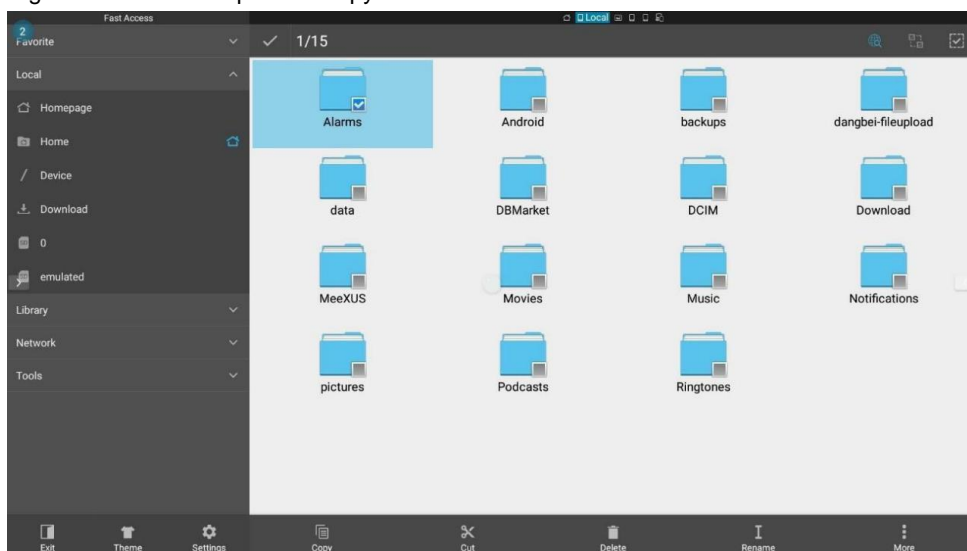
5.2 Network Settings

5.2.1 Wired Network

Step 1 On the home screen of system, select **More Apps** to enter the App screen.
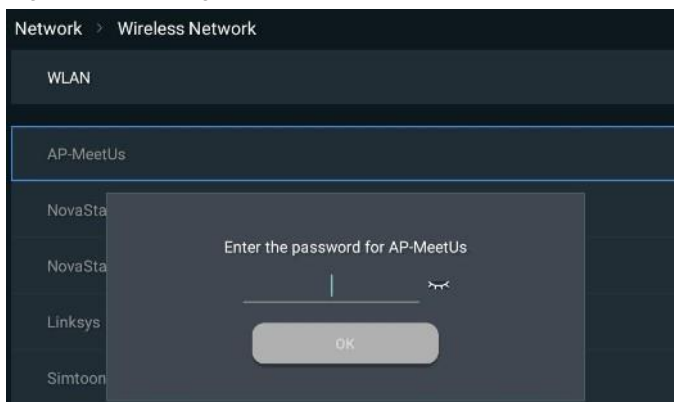
Step 2 Select **Settings** to enter the menu screen. In the menu, choose **System** > **Switch Ethernet Port** > **Wired Network**.

Step 3 Go back to the settings screen and choose **Network** > **Wired Network** to enter the wired network settings screen.

Figure 5-3 Wired network
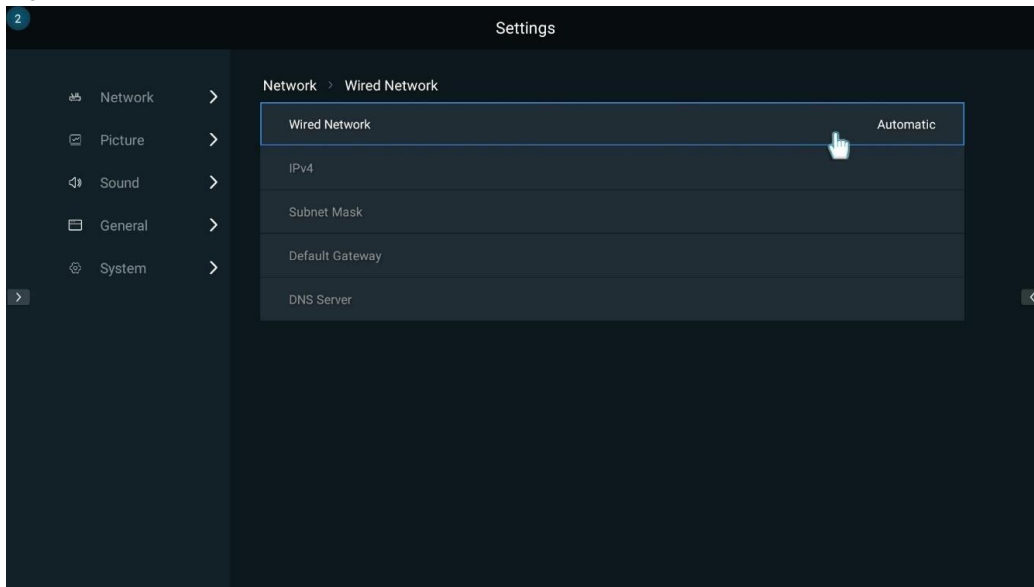
Step 4 Set the **Wired Network** parameter to **Automatic** to automatically obtain the IP address.

Step 5 Go back to the home screen. If the ⌗ icon appears at the top right corner, the network connection is successful.

5.2.2 Wired Network

Step 1 On the home screen of system, select **More Apps** to enter the App screen.

Step 2 Select **Settings** to enter the menu screen. In the menu, select **Network** > **Wireless Network** to enter the wireless network settings screen.

Step 3 Select an available Wi-Fi network near you and enter the password in the displayed window.

Figure 5-4 Entering the Wi-Fi password

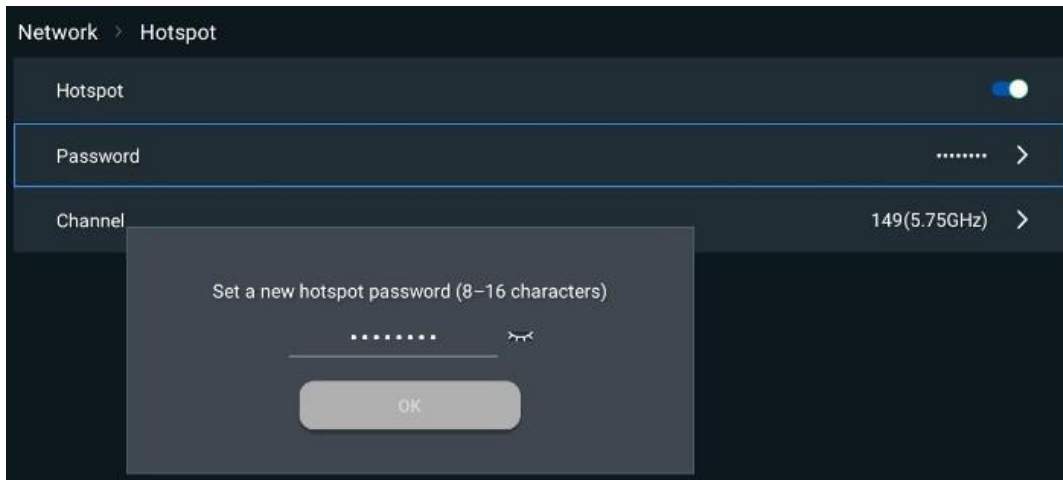Step 4 Press **OK** to connect to the Wi-Fi network**.**

5.2.3 Hotspot

Step 1 On the home screen of system, select **More Apps** to enter the App screen.

Step 2 Select **Settings** to enter the menu screen. In the menu, choose **Network** > **Hotspot** to enter the hotspot settings screen.

Step 3 Set a password for the hotspot.

Figure 5-5 Setting a new hotspot password

Step 4 Press **OK** to enable the hotspot.

Note:

After you change the hotspot name or hotspot password, you must insert the mirroring dongle into the USB port of the meeting board for pairing again.
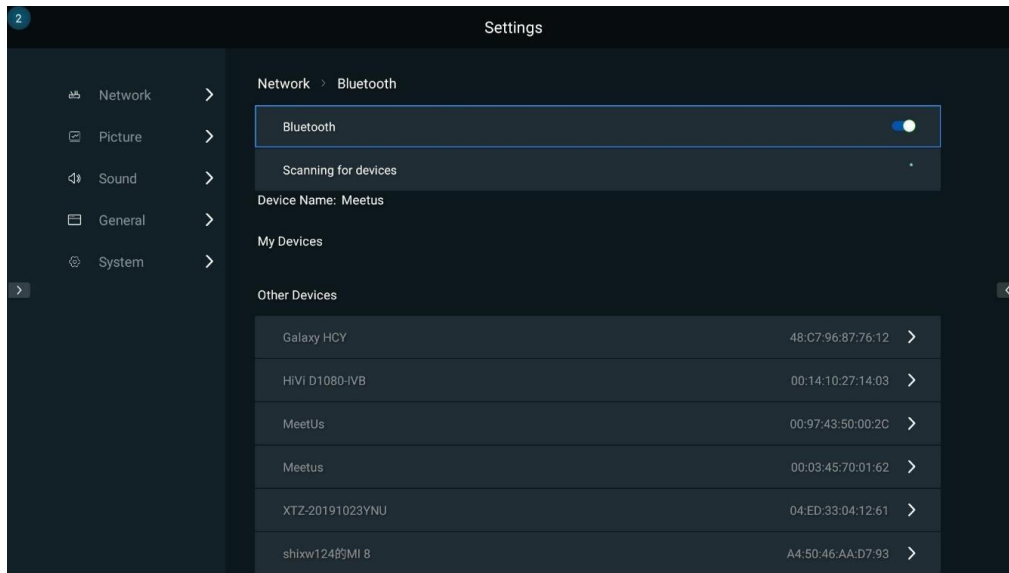
5.2.4 Bluetooth

Step 1 On the home screen of system, select **More Apps** to enter the App screen.

Step 2 Select **Settings** to enter the menu screen. In the menu, choose **Network** > **Bluetooth** to enter the Bluetooth settings screen.

Step 3 Turn on the Bluetooth switch.

Figure 5-6 Bluetooth

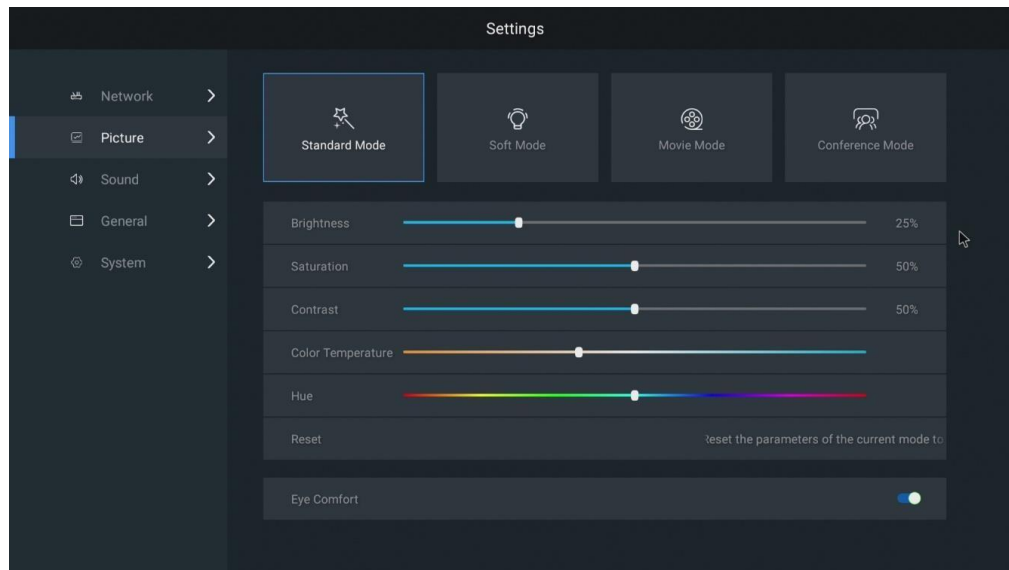Step 4 Select the target device to pair it with the system.

5.3 Display Effect Adjustment

Step 1 On the home screen of system, select **More Apps** to enter the App screen.

Step 2 Select **Settings** to enter the menu screen. In the menu, select **Picture** to enter the picture effect adjustment screen.

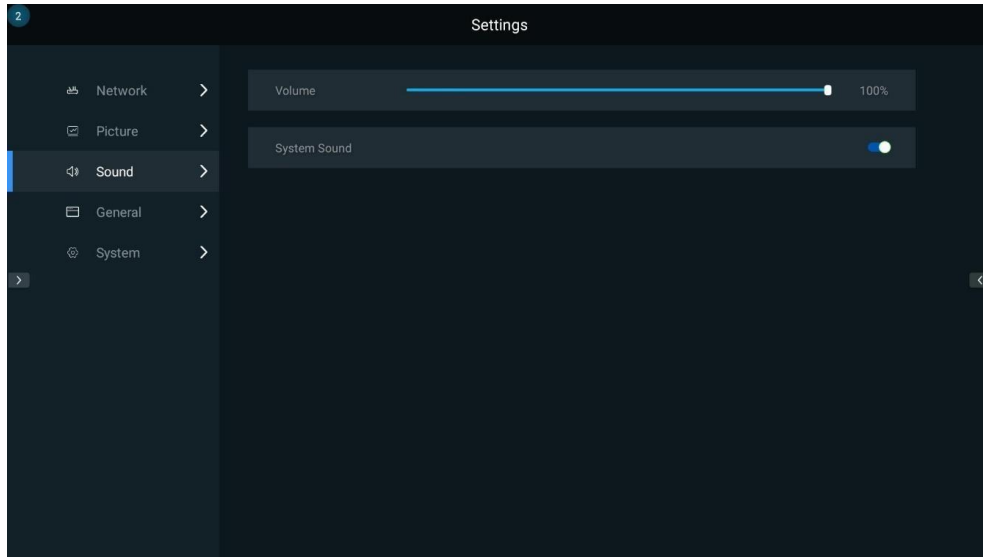Step 2 Sel

Figure 5-7 Effects

Step 3 For the detailed adjustment method, see 5 Display Effect Adjustment.

5.4 Sound Settings
Step 1 On the home screen of system, select **More Apps** to enter the App screen.
Step 2 Select **Settings** to enter the menu screen. In the menu, select **Sound** to enter the sound settings screen.

Figure 5-8 Sound settings

Step 3 Adjust the volume, and turn on or off the system sound for the system.
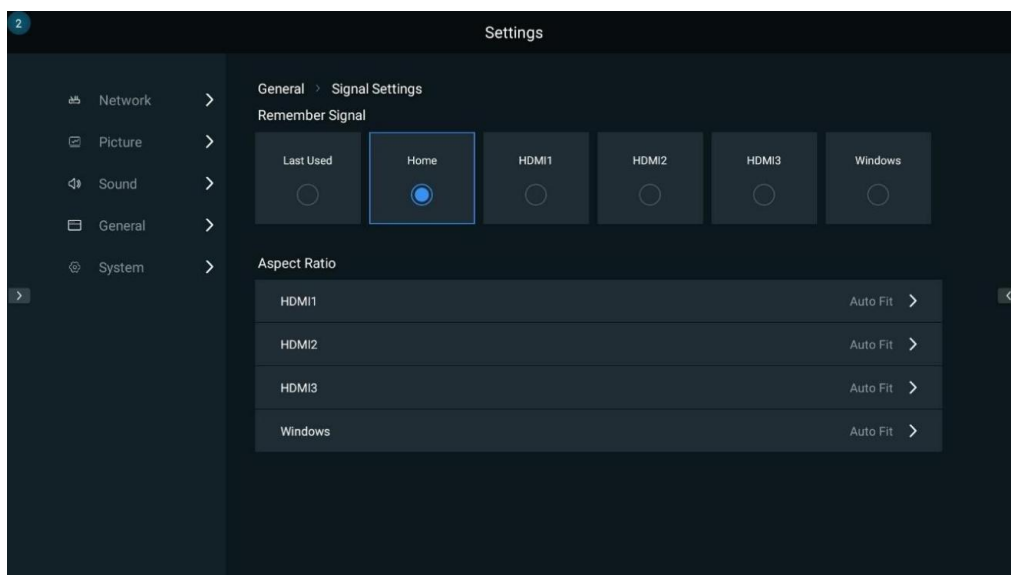
5.5 General Settings

5.5.1 Signal Settings

Step 1 Select **Settings** to enter the menu screen. In the menu, choose **General** > **Signal** to enter the signal settings screen.

Step 2 Do the following settings for the accessed signal.

- Remember Signal: Set the startup signal to **Last Used**, **Home** (default), **HDMI1**, **HDMI2**, **HDMI3** or **Windows**.

- Set Aspect Ratio: Set the aspect ratio of the selected HMID source to **Auto Fit** (default), **4:3**, **16:9**, or **Pixel to Pixel**.
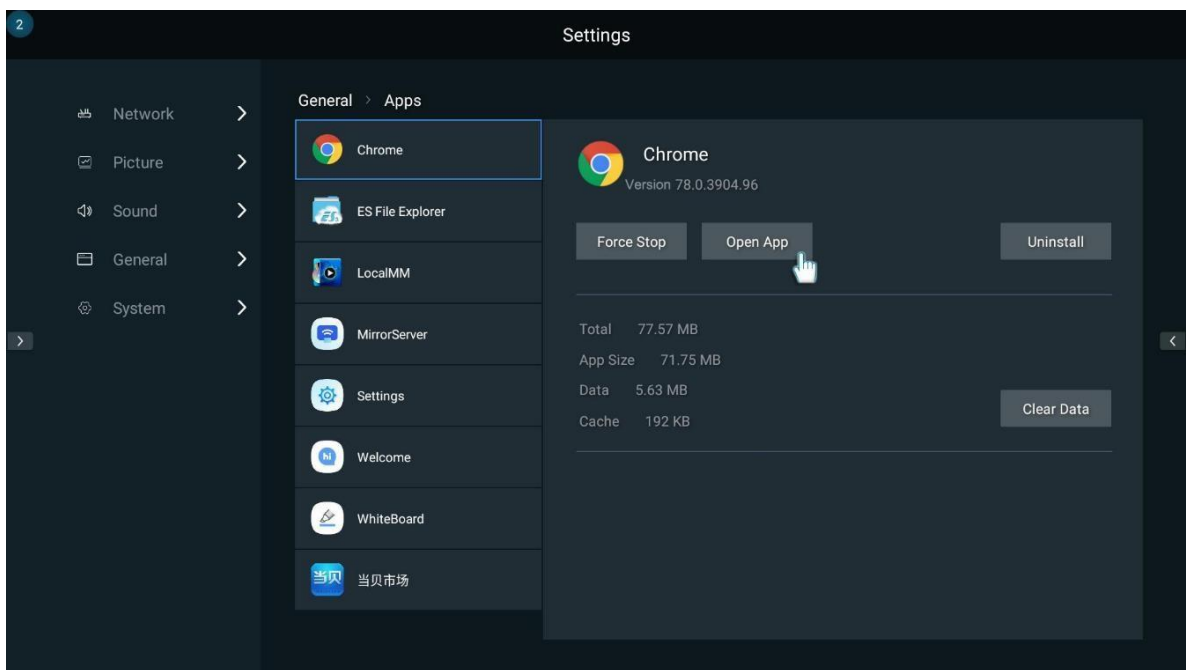
Figure 5-9 Signal settings

5.5.2 App Management

Step 1 Select **Settings** to enter the menu screen. In the menu, choose **General** > **Apps** to enter the app management screen.

Step 2 Do the following settings for the installed apps.

- Force Stop: Force the app to stop.

- Open App: Run the selected app.

- Uninstall: Uninstall the selected app.

- Clear Data: Clear the data and cache of the selected app.
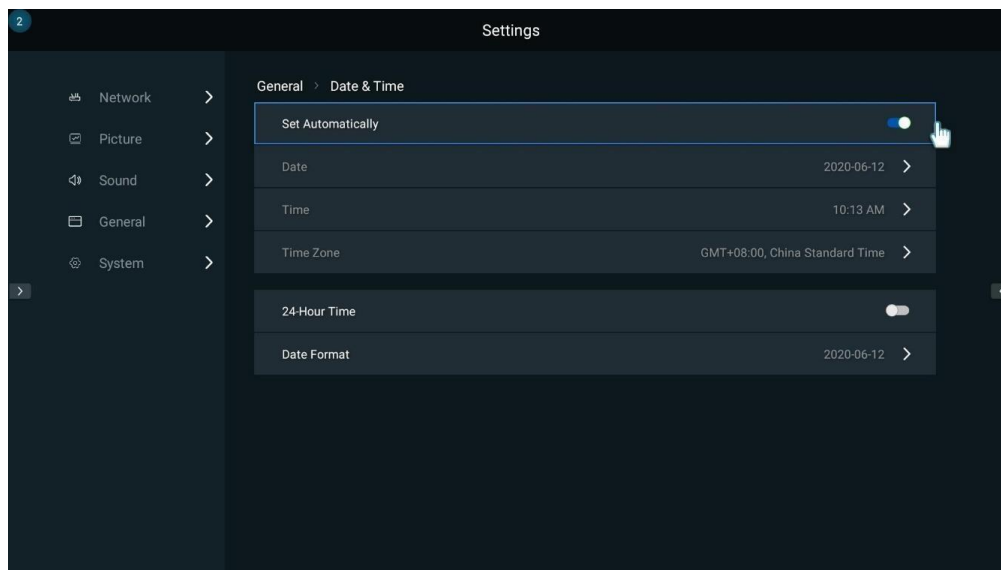
Figure 5-10 App management

5.5.3 Date and Time

Step 1 Select **Settings** to enter the menu screen. In the menu, choose **General** > **Date & Time** to enter the date and time settings screen.
Step 2 Do the following date and time settings for the system.

- Set Automatically: Enable this function to synchronize the date and time of the system with the network time. You can also disable this function and then manually set the date and time of the system.

- 24-Hour Time: Turn on the switch to let the time be displayed in the 24-hour time format. If you do not turn on the switch, the time will be displayed in the 12-hour time format by default.

- Date Format: Set the date format to **Year-Month-Day** (default) or **Day-Month-Year**.

Figure 5-11 Date and time

5.5.4 Language and Keyboard

Step 1 Select **Settings** to enter the menu screen. In the menu, choose **General** > **Language & Keyboard** to enter the language and keyboard settings screen.
Step 2 Do the following language and keyboard input method settings for the system.
- Language: Set the system language to Chinese or English or Japanese.

- Keyboard: Set the keyboard input method to Google input, **Android keyboard (AOSP)**, or Google Japanese Input.

Figure 5-12 Language and keyboard
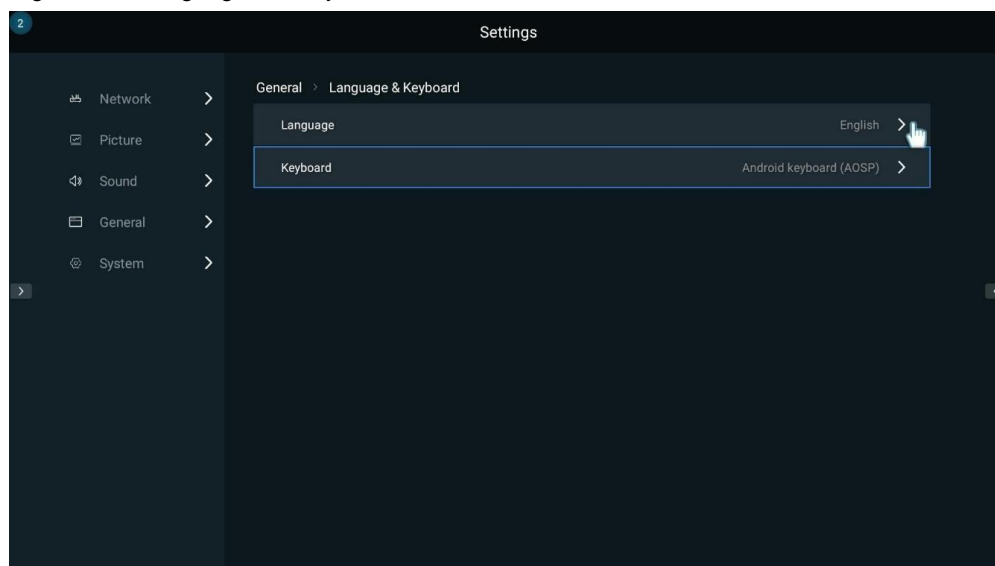
5.5.5 Wallpaper

Step 1 Select **Settings** to enter the menu screen. In the menu, choose **General** > **Wallpaper** to enter the wallpaper settings screen.

Step 2 Set the wallpaper of the system to a system wallpaper or a custom wallpaper.

- System wallpaper: Select a target wallpaper and press the **Set as Wallpaper** button on the selected wallpaper.

- Custom wallpaper: Press the **Custom Wallpaper** button to open the ES File Explorer, select a local picture, and press the **OK** button on the remote.
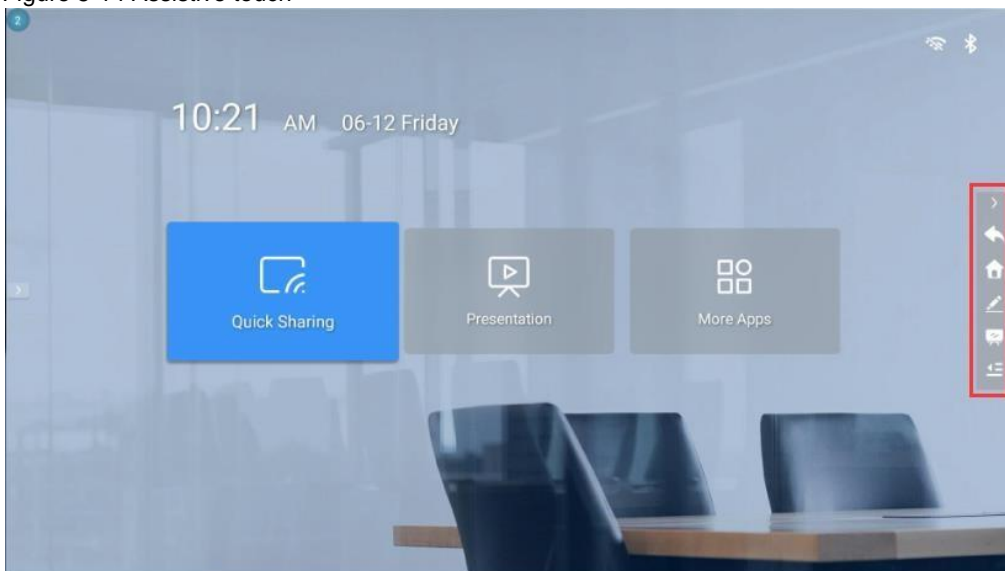
Figure 5-13 Wallpaper
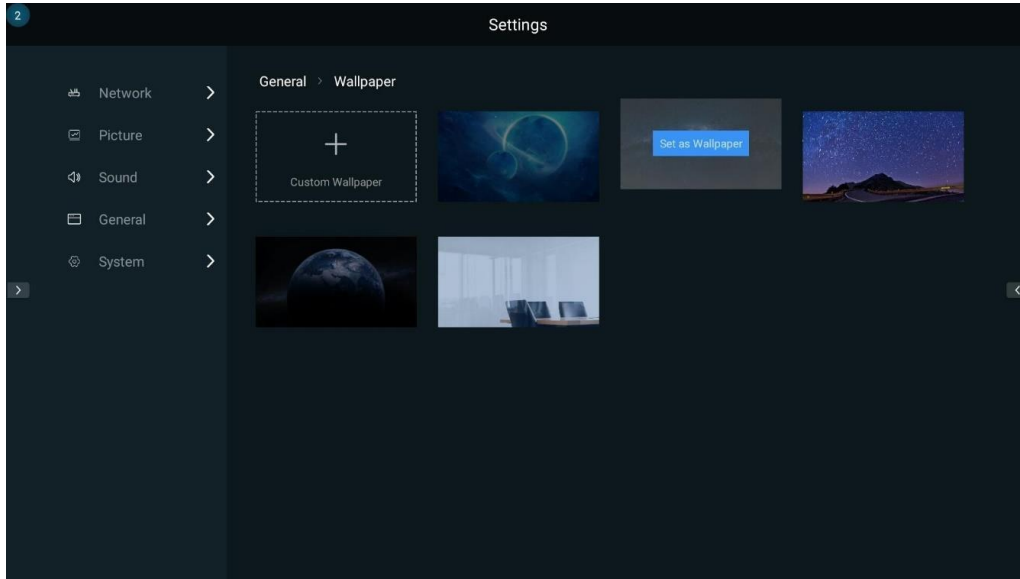
5.5.6 Assistive Touch

Step 1 Select **Settings** to enter the menu screen. In the menu, choose **General** > **Assistive Touch** to enter the assistive touch settings screen.

Step 2 Turn on the **Assistive Touch** switch and press the small triangle icons at the left and right display edges to open the sidebar.

Figure 5-14 Assistive touch

- ◀ : Back button. Click or tap to go back to the last operation

- ⌂ : Home button. Click or tap to go back to the home screen.

- ✎ : Pencil button. Click or tap to open the drawing tool.

- ▱ : Whiteboard button. Click or tap to open the whiteboard tool.

- ☰ : Menu button. Click or tap to open the menu bar.

📄 **Note:**

You can only use the connected mouse or touch screen to operate on the assistive touch menu. The remote cannot work on this menu.

5.6 System Settings

5.6.1 Scheduled Startup and Shutdown

Step 1 Select **Settings** to enter the menu screen. In the menu, choose **System** > **Scheduled Startup & Shutdown** to enter the scheduled startup and shutdown settings screen.

Step 2 Turn on the scheduled startup and/or shutdown function, and set the time.

Figure 5-15 Scheduled startup and shutdown
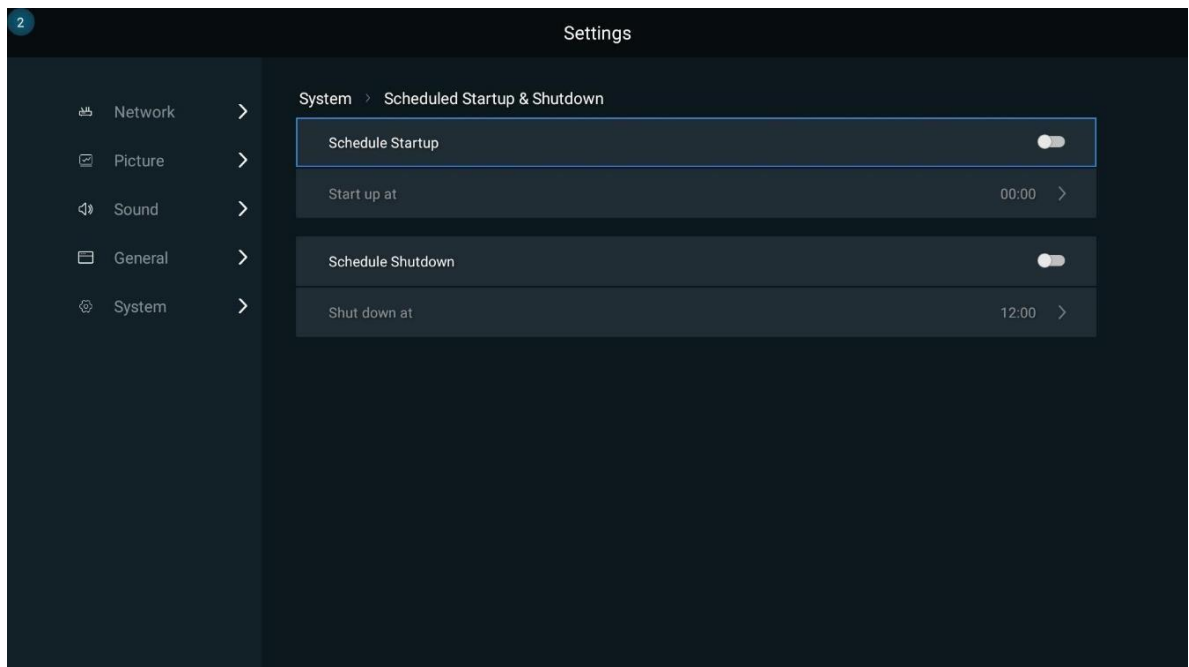
5.6.2 Factory Reset

Step 1 Select **Settings** to enter the menu screen. In the menu, choose **System** > **Factory Reset** to enter the factory reset settings screen.

Step 2 Press the **Factory Reset** button to reset the system to its factory status.

Figure 5-16 Factory reset
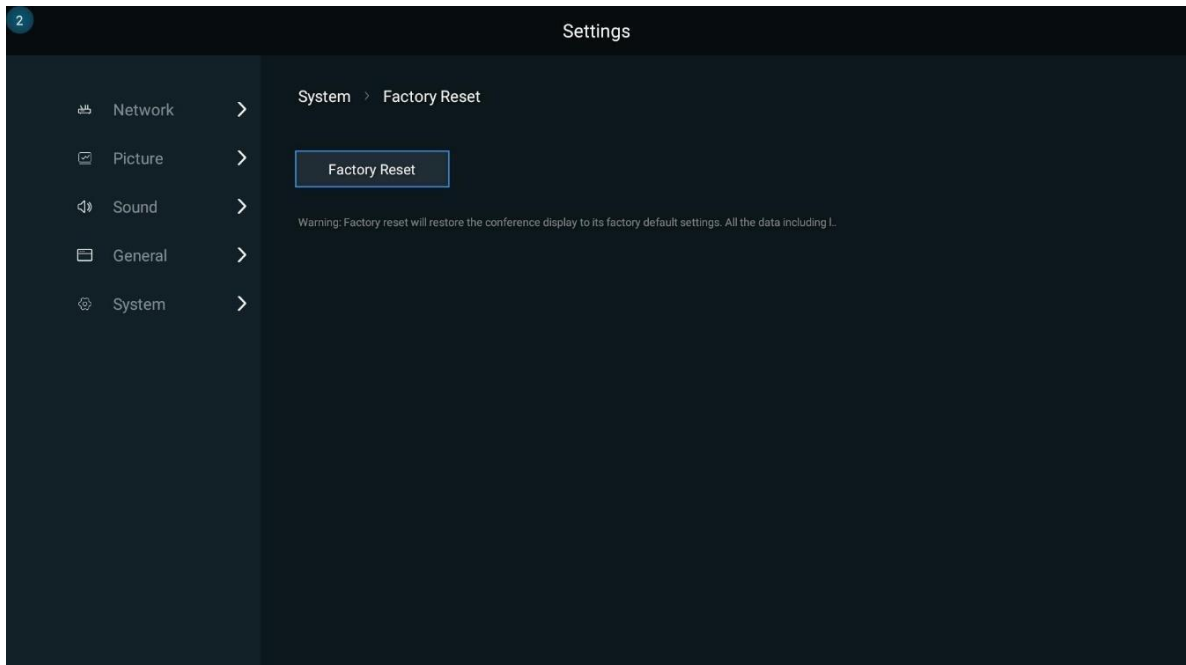
Note:

Factory reset will erase all the data including local documents, images, videos, applications, etc., and the data cannot be recovered.

After you do the factory reset, you need to do the commercial activation for the mirroring dongle again.


5.6.3 System Update

Step 1 Select **Settings** to enter the menu screen. In the menu, choose **System** > **System Update** to enter the system update screen.

Step 2 Insert the USB drive that contains the update package into the USB port on the Android card. (The update package file name is "update_signed.zip" and the package must be placed in the root directory of the USB drive.)

Step 3 When the screen displays "There are update files in the root directory of the USB flash drive and update is available", press the **Local Update** button.

The update process takes about 3–5 minutes. During the update process, do not power off the meeting board, and do not disconnect the USB drive. (These operations are dangerous and may damage the meeting board.)
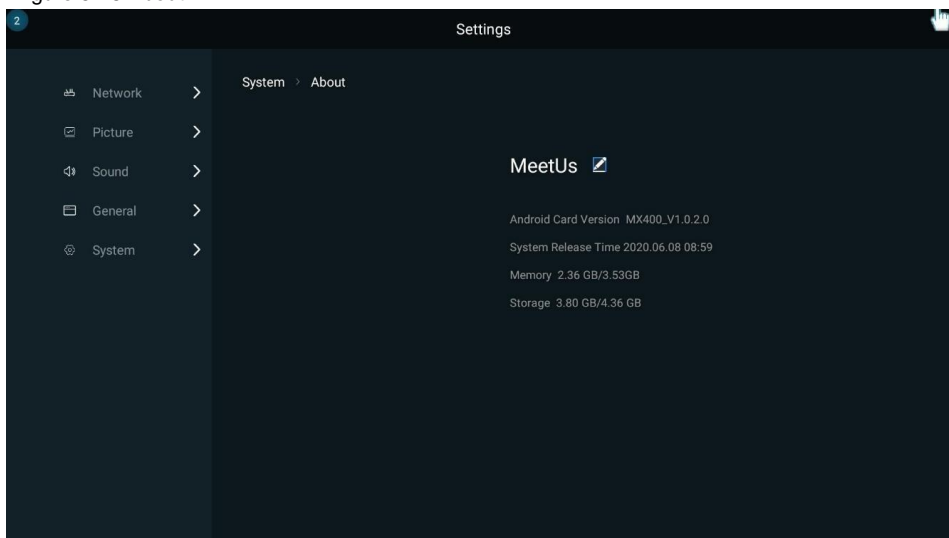
Figure 5-17 System update
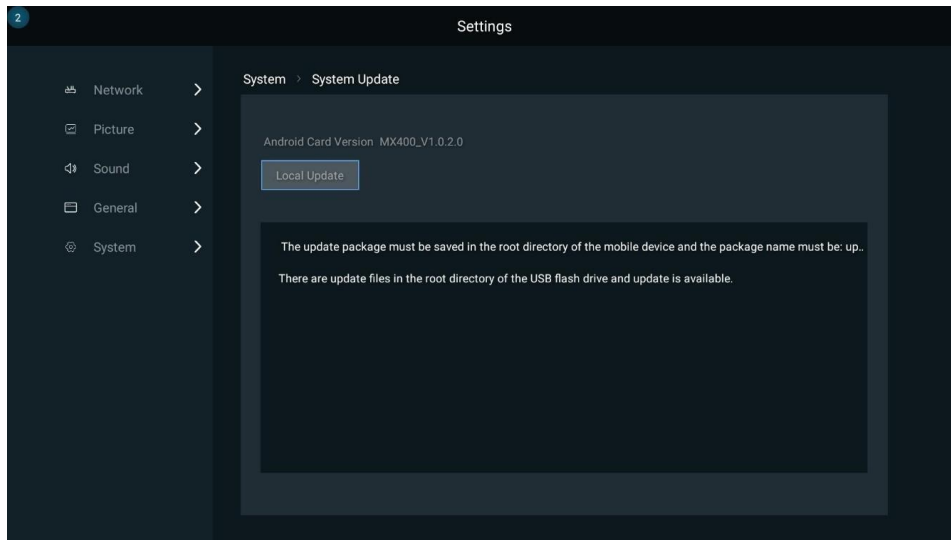
5.6.4 About

Step 1 Select **Settings** to enter the menu screen. In the menu, choose **System** > **About** to enter the **About** screen.
Step 2 View and change the system name, and view the following information.

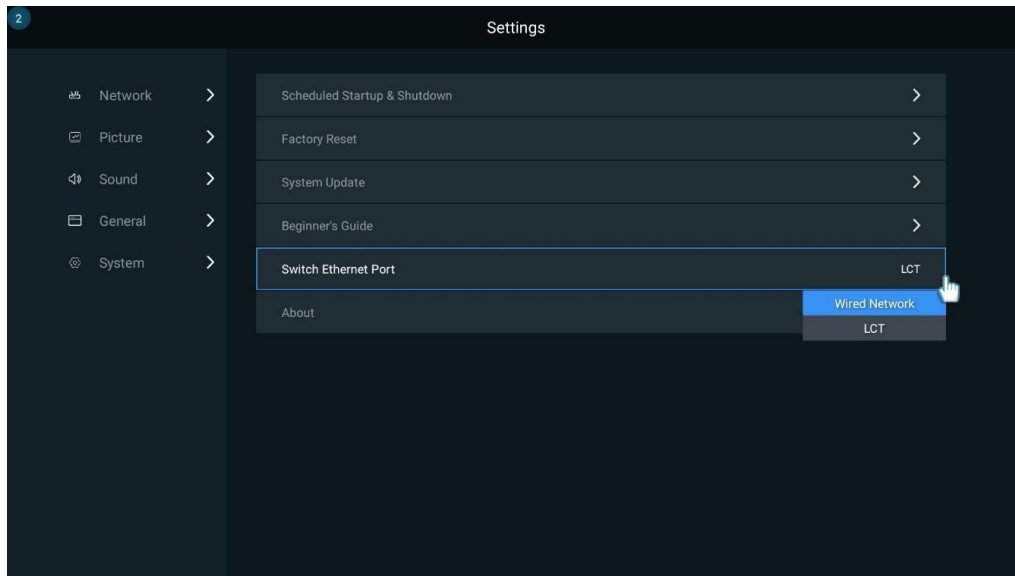- Android Card Version

- System Release Time

- Memory

- Storage

Figure 5-18 About

5.6.5 Switch Ethernet Port

Step 1 Select **Settings** to enter the menu screen. In the menu, choose **System** > **Switch Ethernet Port**.

Figure 5-19 Switching Ethernet port

Step 2 Switch the Ethernet port to **LCT** (default) or **Wired Network**.

- If you want to connect the system to the control computer via Ethernet port, switch the Ethernet port to **LCT**.

- If you want to use the wired network connection via Ethernet port, switch the Ethernet port to **Wired Network**.
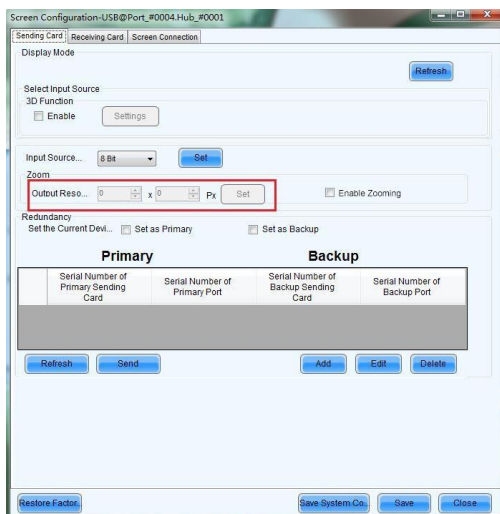
5.7 Custom Resolution Settings

Step 1 Run the NovaLCT software. On the menu bar, choose **User** > **Advanced Synchronous System User Login**.
Enter the password and click **Login**.

Step 2 Click **Screen Configuration** to enter the screen configuration page.

Step 3 In the text boxes near **Output Resolution** on the **Sending Card** tab page, enter values to customize the resolution and then click **Set**.

Figure 5-20 Screen configuration

6 Firmware Update

6.1 Updating Sending Card

In NovaLCT (V5.2 or later), do the following steps to update the firmware of the sending card.

Step 1 Run the NovaLCT software. On the menu bar, choose **User** > **Advanced Synchronous System User Login**. Enter the password and click **Login**.

Step 2 Type the secret code "**admin**" to open the program loading page.

Step 3 Click **Browse**, select a program package, and click **Update**.

6.2 Updating Android Card

For the update method, see 5.6.3   System Update.

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