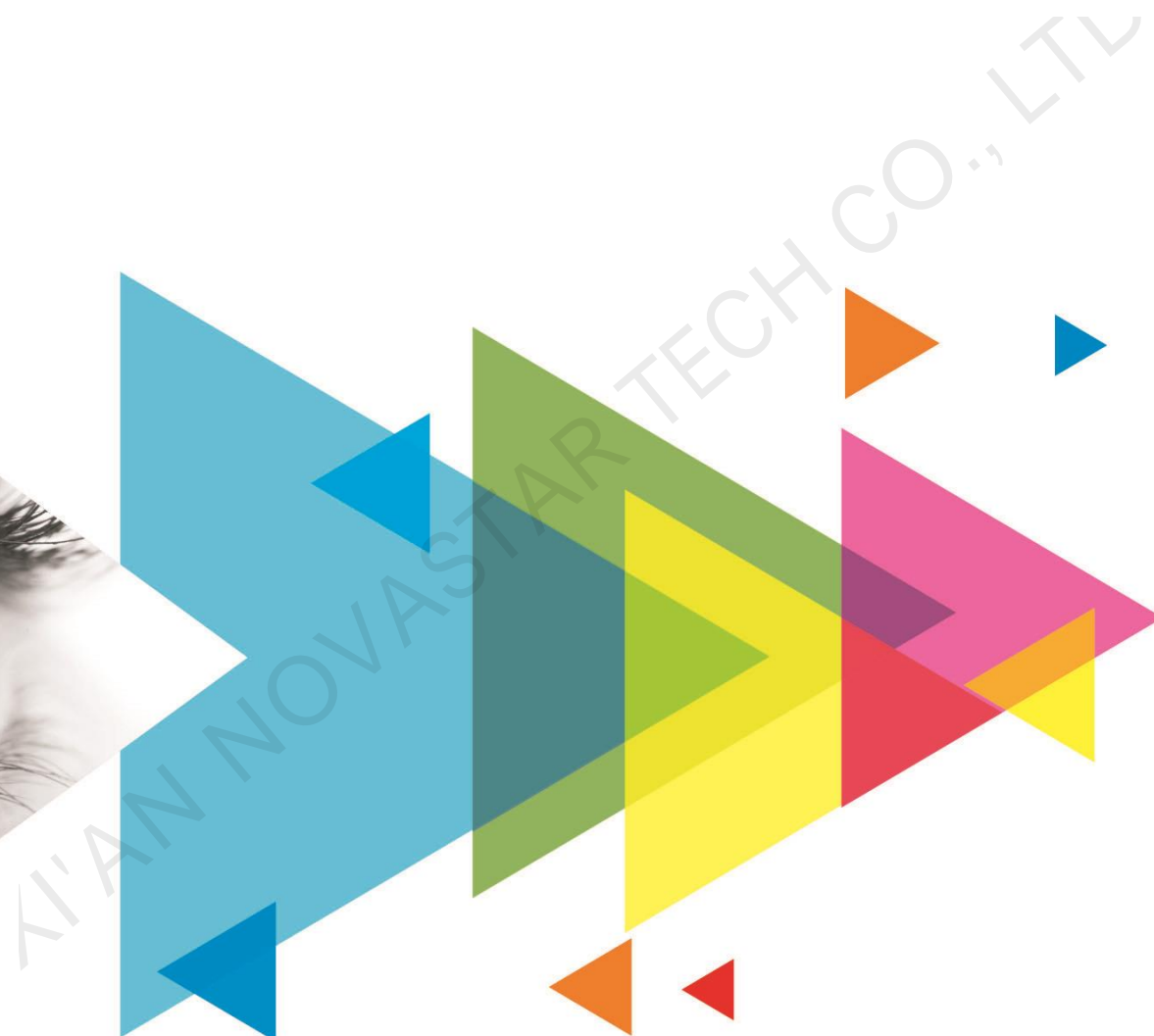


# MeetUs

Meeting Room Display System

V1.2.1



User Manual

## Change History

Document Version	Release Date	Description
V1.2.1	2020-12-25	<ul style="list-style-type: none"><li>• Changed the meeting board assembling diagram.</li><li>• Adjusted the document structure.</li></ul>
V1.2.0	2020-08-28	<ul style="list-style-type: none"><li>• Updated the hardware appearance diagram.</li><li>• Added the troubleshooting chapter.</li></ul>
V1.1.0	2020-05-20	<ul style="list-style-type: none"><li>• Optimized the document structure.</li><li>• Updated the hardware appearance diagram.</li></ul>
V1.0.0	2019-07-15	First release

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# 1 Introduction

This document introduces the operating method of the MeetUs meeting room display system to help users get started with the system quickly.

The MeetUs system brings the brand-new large-screen visual experience to the meeting room. It can wirelessly mirror the screen of the speaker's smart terminal, whether Windows, macOS, iOS or Android, to the meeting room display in real time without complex cable connections. For different meeting applications, the MeetUs system also provides 4 modes to let the document presentation, video playback and remote meetings have the optimal display effect.

Working with the specified models of NovaStar receiving cards, the MeetUs system can enable the fine-pitch indoor LED display to have outstanding grayscale and color performance. Thanks to the functions of quickly mirroring up to 4 devices to the LED display and quickly switching the mirrored screens, the MeetUs system meets all the meeting applications and can be mainly used in various business meeting applications in governments and companies in many industries, such as design, health care and education.

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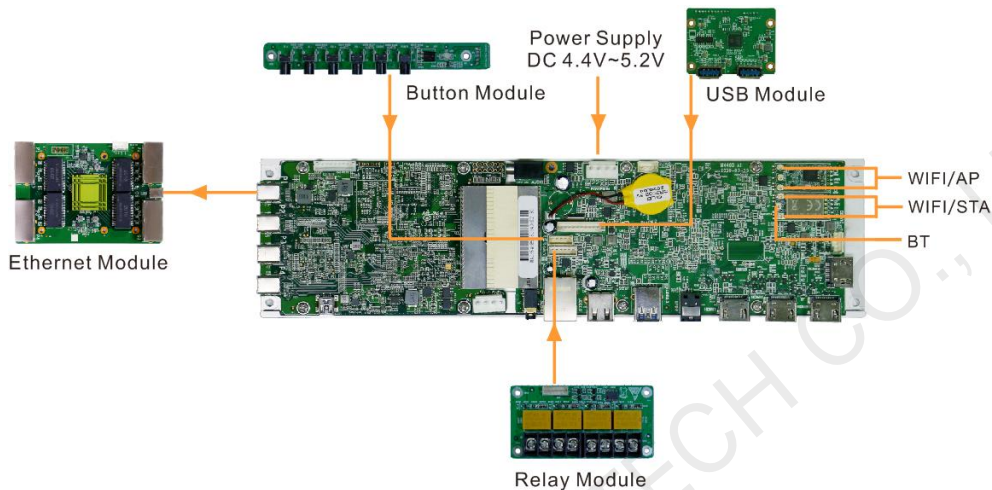
## 2 Getting Started

Do the following steps to quickly build a MeetUs system environment.

### Step 1 Assemble the Meeting Board

The following diagram illustrates how the meeting board is assembled, using the MEE200 as an example. This assembling method is applicable to the MEE200, MEE200H, MEE400, and MEE400H.

Figure 2-1 Assembling the meeting board



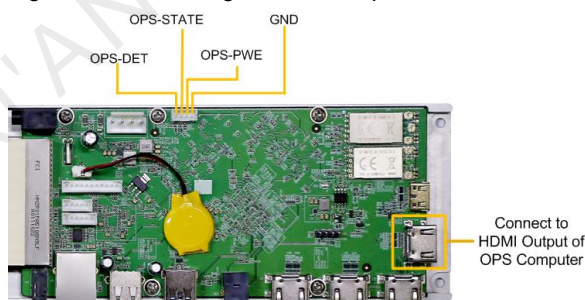
**Note:**

The locations to install the antennas on the MEE200H or MEE400H are slightly different from the locations on the MEE200. For details, see the respective specifications.

### (Optional) Step 2 Connect an OPS Computer

- Step 1 Connect the control port of the OPS computer to the OPS control port at the top side of the meeting board.
- Step 2 Connect the HDMI output connector of the OPS computer to the HDMI connector at the right side of the meeting board.

Figure 2-2 Connecting an OPS computer

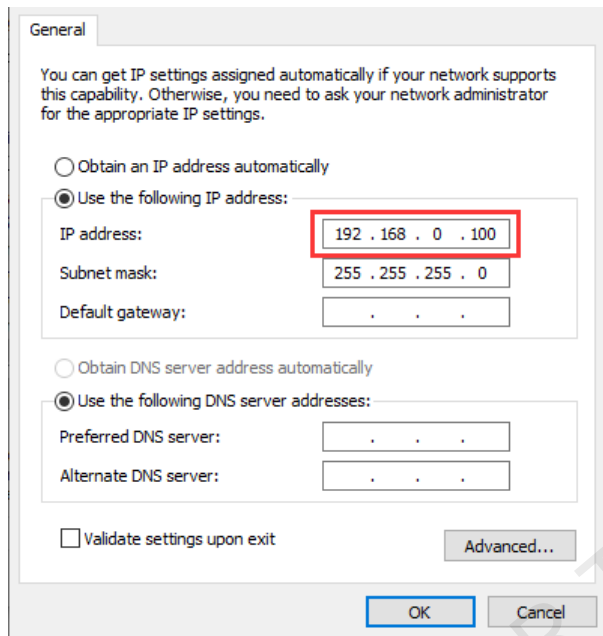


### Step 3 Configure the LED Screen

- Step 1 Connect the meeting board to the NovaLCT software on the control computer via any of the following methods.
  - Via USB port  
Connect the control computer to the Mini USB port of the meeting board.
  - Via Ethernet port  
Connect the control computer to the Ethernet port of the meeting board.

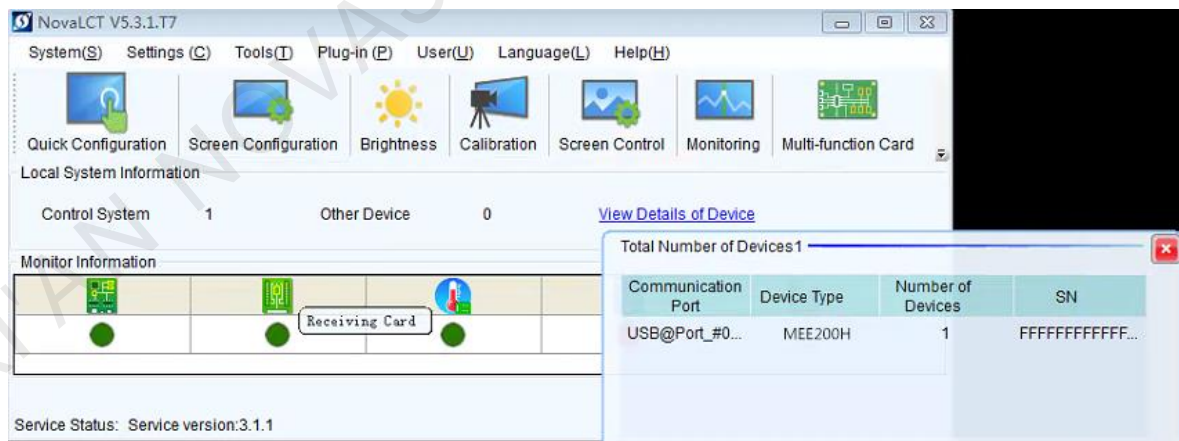
1. Connect the control computer to the meeting board via Ethernet cable.
2. On the control computer, open the **Network and Sharing Center**.
3. Click **Change adapter settings**.
4. On the displayed window, right click **Local Area Connection** and go to **Properties > Internet Protocol Version 4 (TCP/IPv4)** to enter the properties page.
5. Select **Use the following IP address**, set the IP address to be on the network segment from 192.168.0.2 to 192.168.0.254, and click **OK**.

Figure 2-3 Configuring IP address



- Step 2 Run NovaLCT and click **View Details of Device** to confirm that the meeting board is connected.

Figure 2-4 Viewing details of device



- Step 3 In NovaLCT, configure the LED screen. For the configuration method, see [NovaLCT LED Configuration Tool for Synchronous Control System User Manual](#).

**Note:**

The default IP address of the meeting board is 192.168.0.10. The IP address of the control computer cannot use the same address.

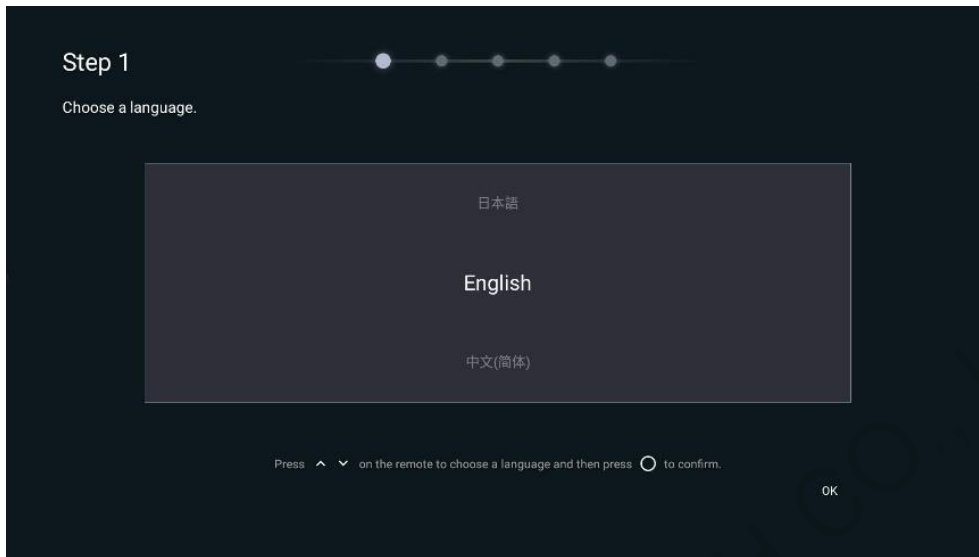
The meeting board supports backup between Ethernet ports, but not between devices.

## Step 4 Initialize the MeetUs System

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

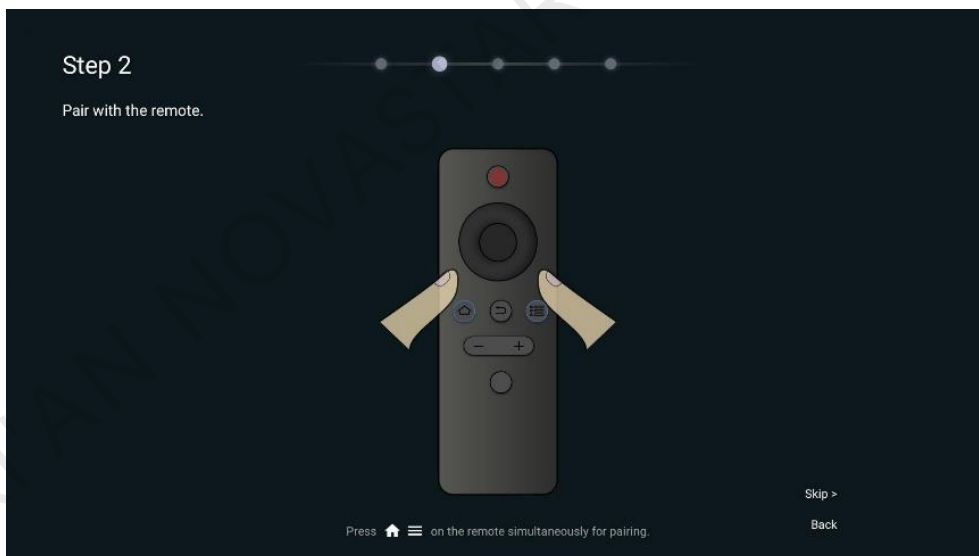
- Step 1 Set the system language. You can choose from Chinese, English or Japanese.

Figure 2-5 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.

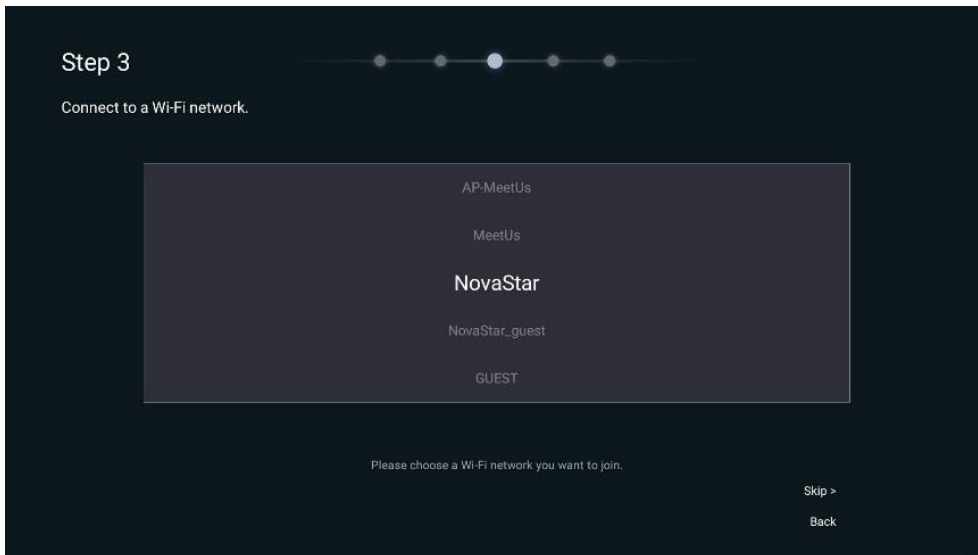
Figure 2-6 Pairing with the remote



- Step 3 (Optional) Select the Wi-Fi network you want to connect the system to and enter the password.

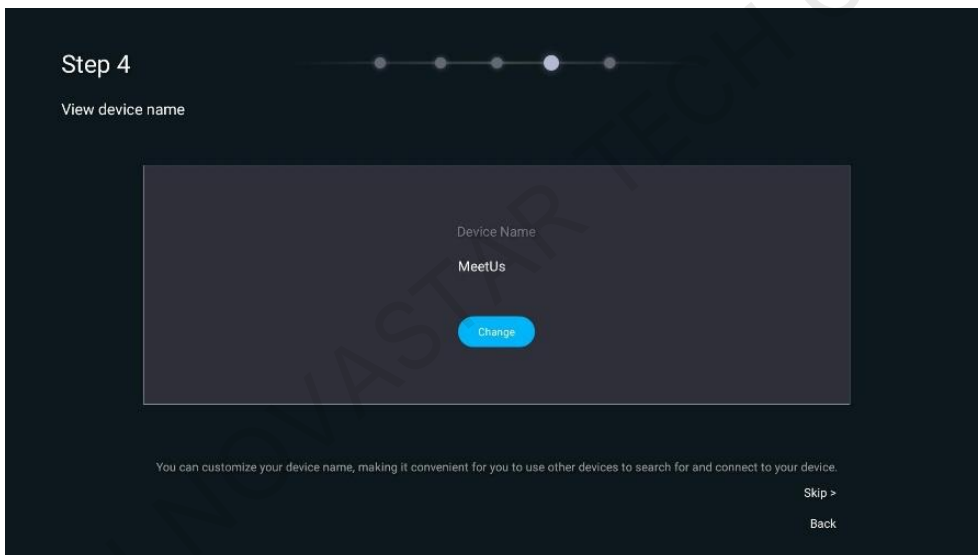


Figure 2-7 Connecting to a Wi-Fi network



Step 4 (Optional) Customize the device name. A custom name is convenient for you to use other devices to search for.

Figure 2-8 Customizing device name

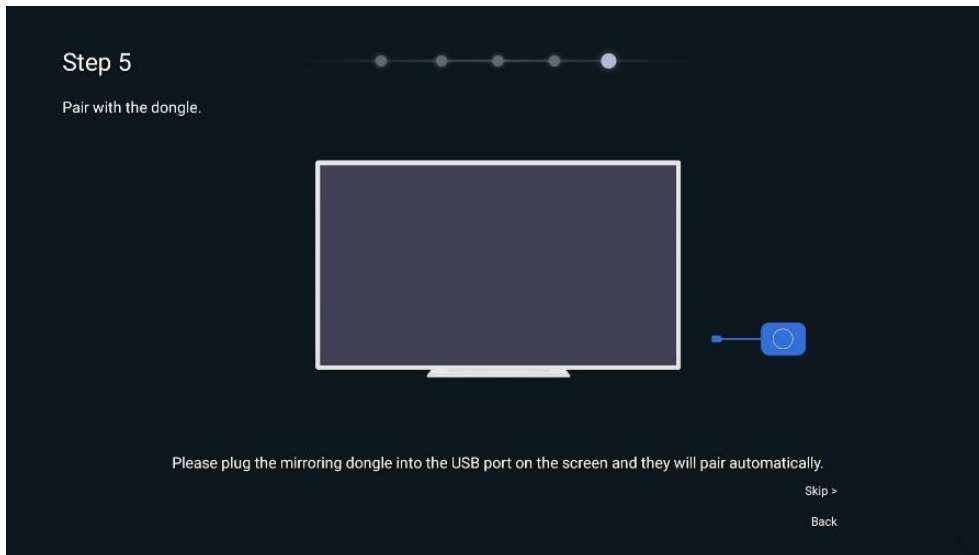


Step 5 (Optional) Pair the system with the mirroring dongle by inserting the dongle into the USB port of the LED screen. The dongle will be paired automatically with the system.

 **Note:**

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

Figure 2-9 Pairing with the dongle



Step 6 The initialization settings are done. You can see the Beginner's Guide or start using the system directly.

## 3 Usage of the Remote

### 3.1 Buttons on the Remote

Figure 3-1 Description of buttons on the remote



### 3.2 Bluetooth Pairing Method

- Step 1 Make sure the button module is connected. For the connection method, see [Step 1 Assemble the Meeting Board](#).
- Step 2 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.

#### Note:

If the Bluetooth pairing is not successful after a long time, please check whether the Bluetooth antenna connection is normal.

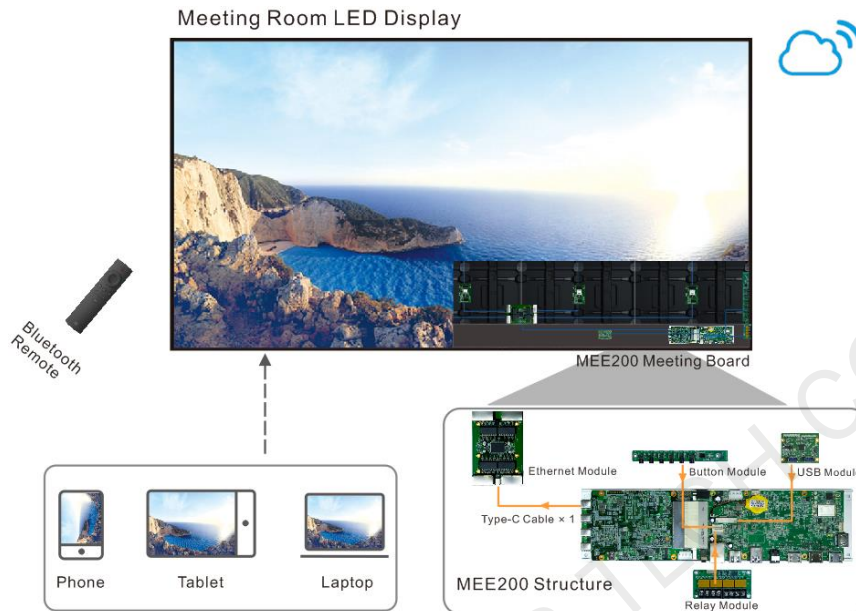
The Bluetooth remote is not included in the MEE200H or MEE400H product package. Customers can place another order to purchase the Bluetooth remote.

## 4 Screen Mirroring

### 4.1 Wireless Mirroring

#### 4.1.1 System Structure

Figure 4-1 Wireless mirroring (using the MEE200 as an example)

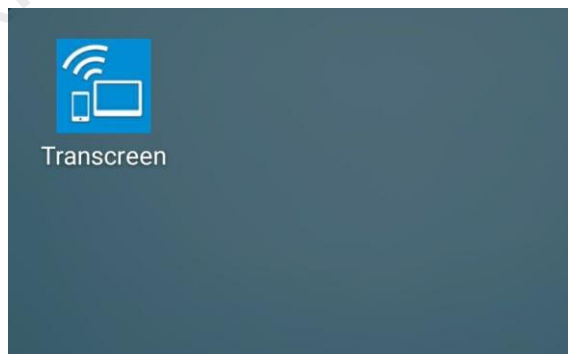


#### 4.1.2 Mirroring from Mobile Phone

##### Mirroring from Android

- Step 1 Use the phone to scan the QR code on the **Quick Sharing** screen to download the Transcreen app and install it on the phone.
- Step 2 Connect the phone to the hotspot of MeetUs 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**.
- Step 4 Tap **Mirror** and then tap **Start now** on the displayed window to start mirroring.

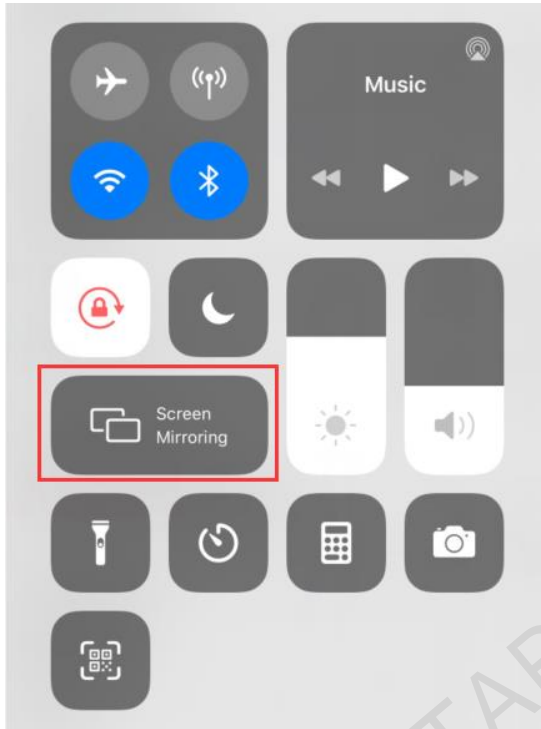
Figure 4-2 Running the Transcreen app



## Mirroring from iOS

- Step 1 Connect the phone to the hotspot of MeetUs system (default name: MeetUs\_\*\*\*\*; default password: 12345678).
- Step 2 Swipe up from the bottom edge of any screen to open the control center.
- Step 3 Tap **Screen Mirroring** and select **MeetUs** to start mirroring.

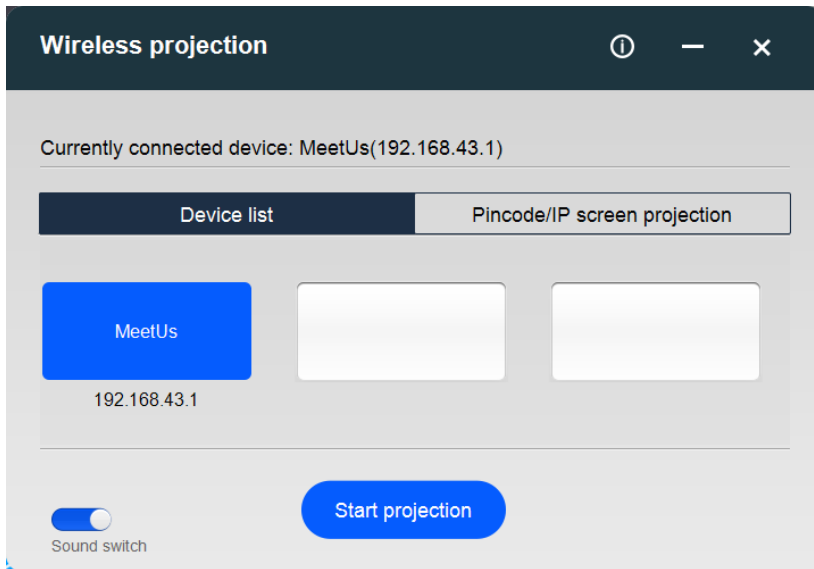
Figure 4-3 Screen mirroring



### 4.1.3 Mirroring from PC

#### Mirroring from Windows

- Step 1 On the PC, open a browser, enter the website address "meexus.cn" and download the **LinkED for Windows** client.
- Step 2 Connect the PC to the hotspot of MeetUs system (default name: MeetUs\_\*\*\*\*; default password: 12345678).
- Step 3 Run the client on the PC. The connected device will be detected by the client automatically. Then, click **Start projection**.



### Mirroring from macOS

- Step 1 Connect the PC to the hotspot of MeetUs system (default name: MeetUs\_xxxx; default password: 12345678).
- Step 2 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 4-4 Screen mirroring - Mac

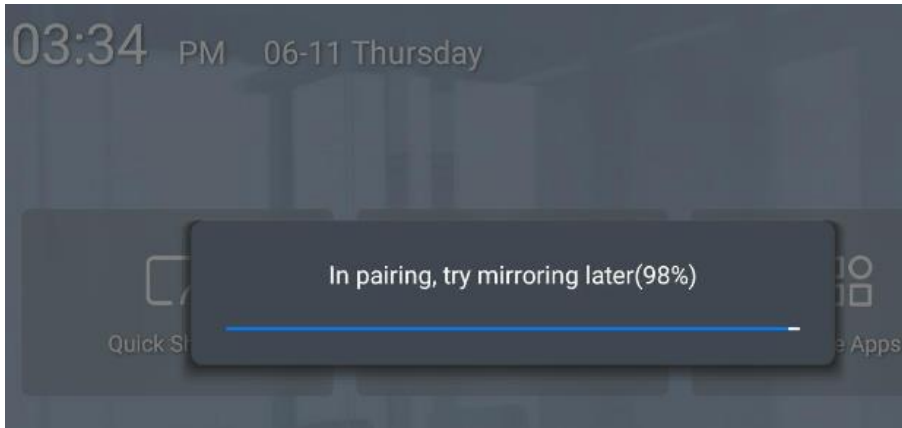


#### 4.1.4 Mirroring via Dongle

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 4-5 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 4-6 Connection successful



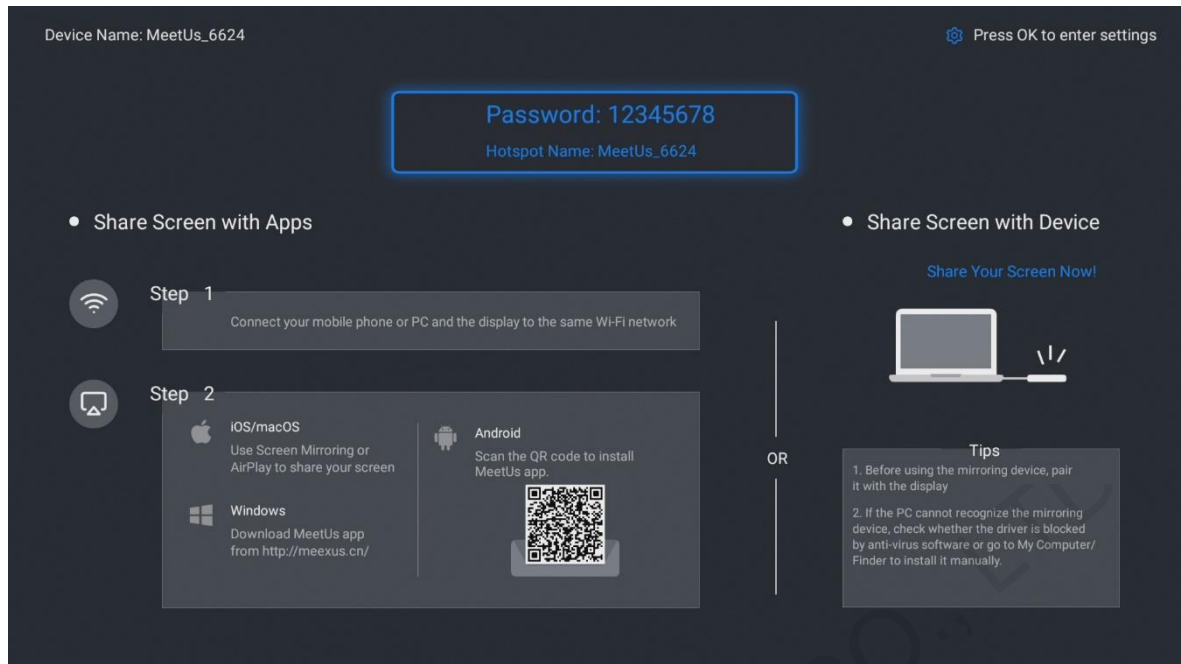
Step 3 When a pop-up window with the “Connection successful” message appears on the desktop, press the round button on the dongle to start mirroring.

#### 4.1.5 Mirroring Multiple Devices Simultaneously

The MeetUs 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 MeetUs system, select **Quick Sharing** to enter the screen shown below.

Figure 4-7 Quick sharing



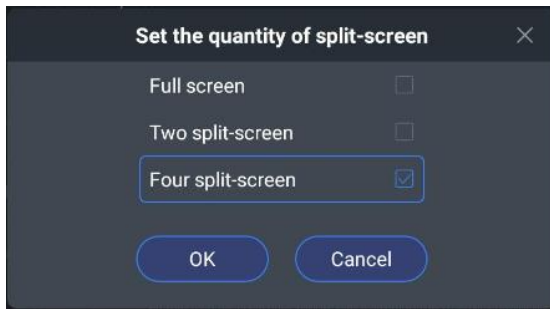
Step 2 Press the **OK** button on the remote or select the icon at the top right corner to open the **Mirror Setting** menu, and select **Set the quantity of split-screen**.



Step 3 In the window that appears, select a mirroring mode from **Full screen**, **Two split-screen**, and **Four split-screen**.



Figure 4-8 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 4-9 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.

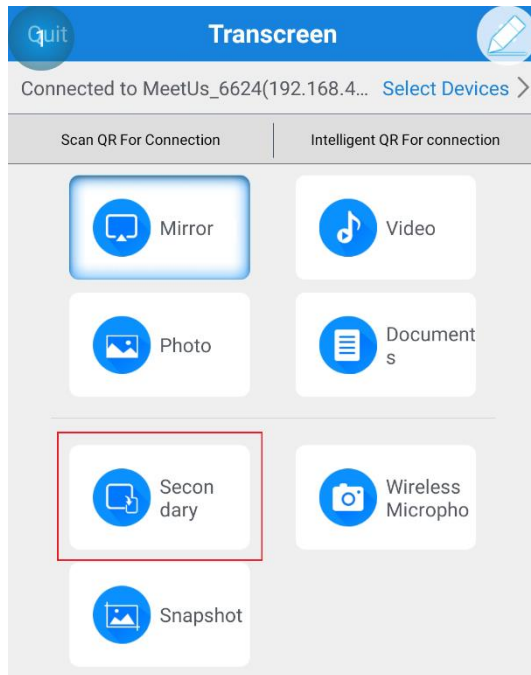
You can swap positions of the screens, and double click a screen to let it display in full screen.

### 4.1.6 Reverse Control

The MeetUs 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 MeetUs system (default name: MeetUs\_####; 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 4-10 Secondary mirroring



Step 4 For the first-time use, tap **Mirror** and then tap **Start now** on the displayed window to start mirroring.

Step 5 Tap **Secondary mirror** to start reverse control.

#### 4.1.7 Wireless Snapshot

The MeetUs 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 MeetUs 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 4-11 Wireless central control

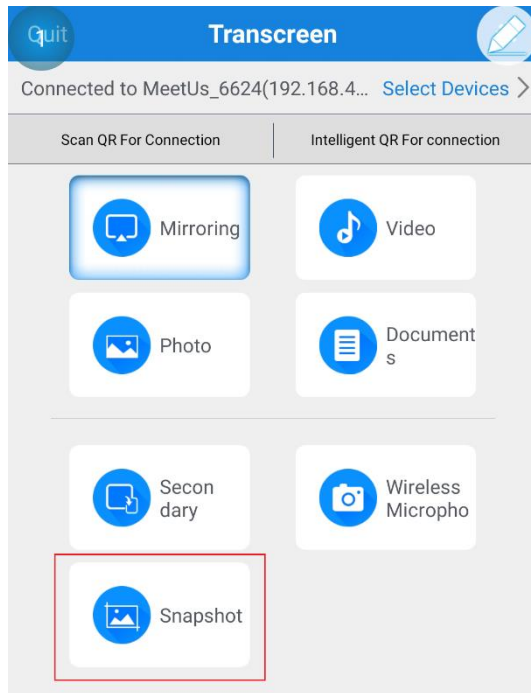


Step 2 Use the mobile device to scan the QR code on the **Quick Sharing** screen to download and install the Transcreen app.

Step 3 Connect the mobile device to the hotspot of MeetUs 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 4-12 Wireless snapshot



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

#### 4.1.8 Wireless Speech

The MeetUs 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 MeetUs 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 4-13 Wireless central control

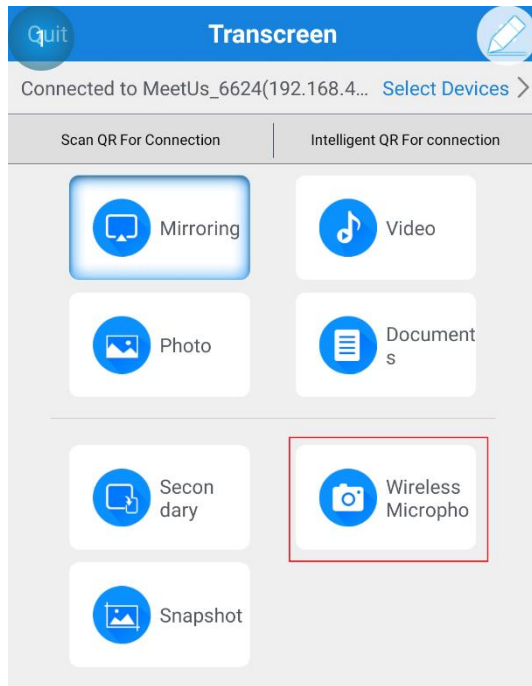


Step 2 Use the mobile device to scan the QR code on the **Quick Sharing** screen to download and install the Transcreen app.

Step 3 Connect the mobile device to the hotspot of MeetUs 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 4-14 Wireless microphone



Step 5 Tap **Wireless Microphone**. On the displayed screen, tap and hold **Press to talk** to talk directly.

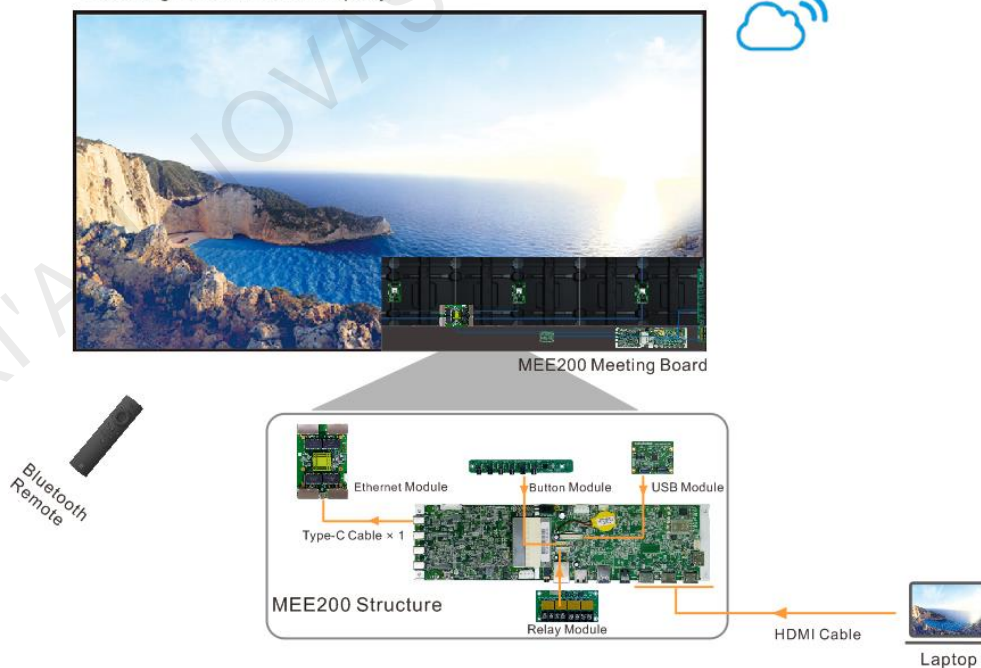
## 4.2 Wired Mirroring

### 4.2.1 Signal Source Connection

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

Figure 4-15 Wired mirroring (using the MEE200 as an example)

Meeting Room LED Display



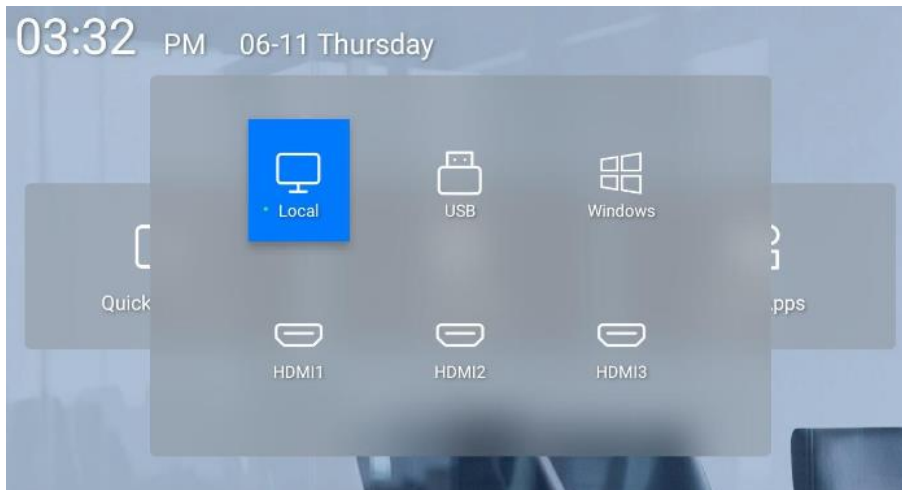
### 4.2.2 Signal Source Switching

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

- Via Presentation

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

Figure 4-16 Presentation screen

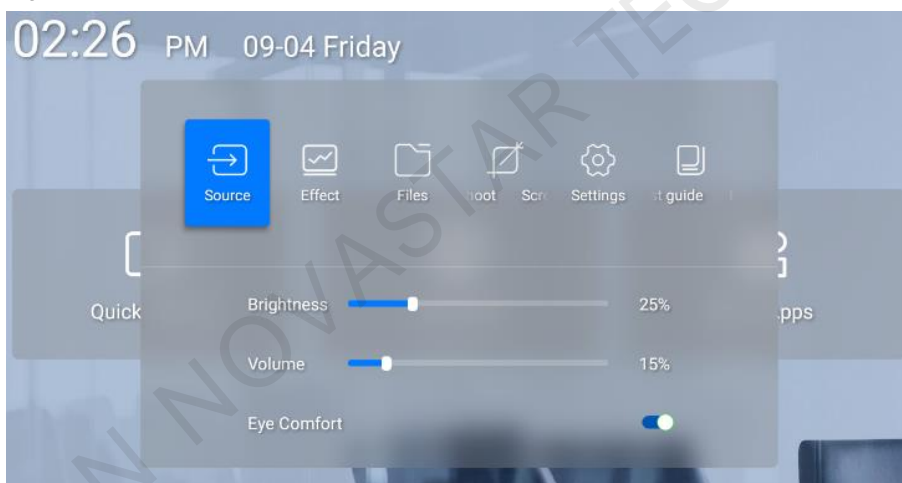


Step 2 Select the signal source that you want to present, and press the **OK** button on the remote to complete switching.

- Via Menu

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

Figure 4-17 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. (See the button description of the remote in [3.1 Buttons on the Remote.](#))

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

## 5 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, MeetUs 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 5-1 Menu screen



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

Figure 5-2 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 5-3 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 MeetUs system via one-click only.

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

Figure 5-4 Eye comfort mode



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

### **Note:**

After you enable the eye comfort mode, the color temperature becomes warmer.

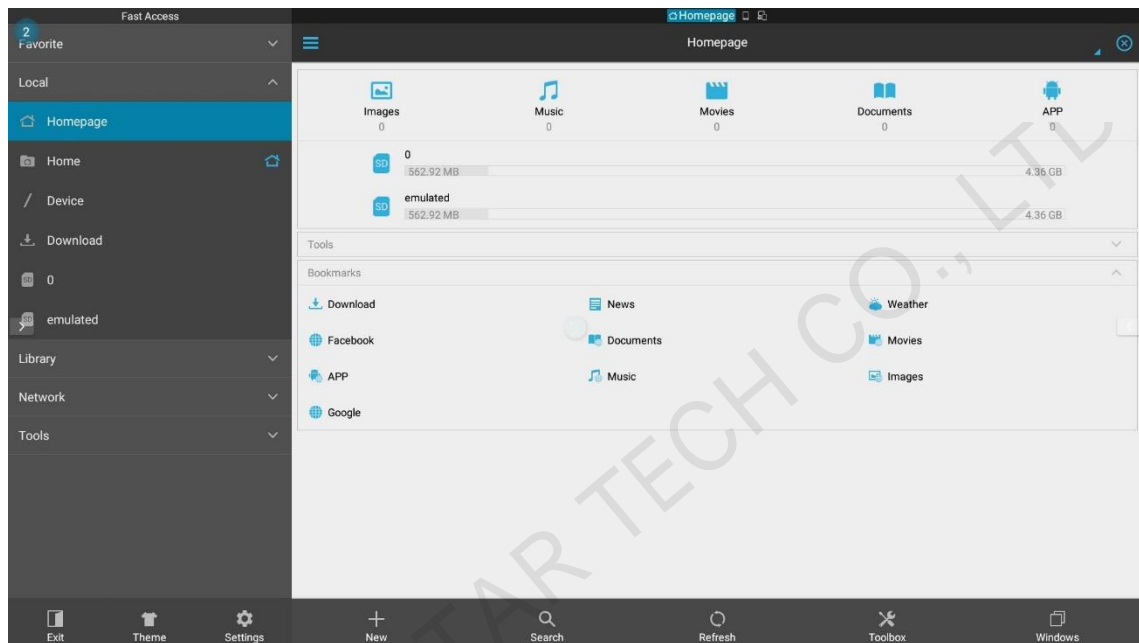
## 6 Settings Management

### 6.1 File Management

You can do the following steps to manage the files.

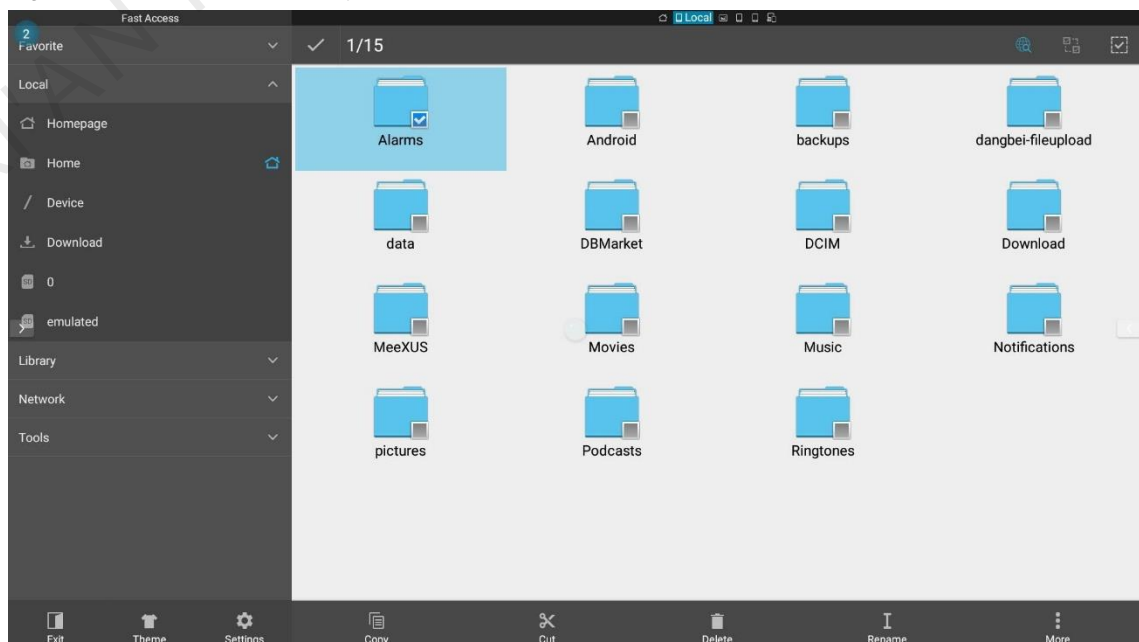
- Step 1 On the home screen of MeetUs system, select **More Apps** to enter the App screen.
- Step 2 Select **ES File Explorer** to enter its screen.

Figure 6-1 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 6-2 ES File Explorer - Copy / Cut / Delete / Rename



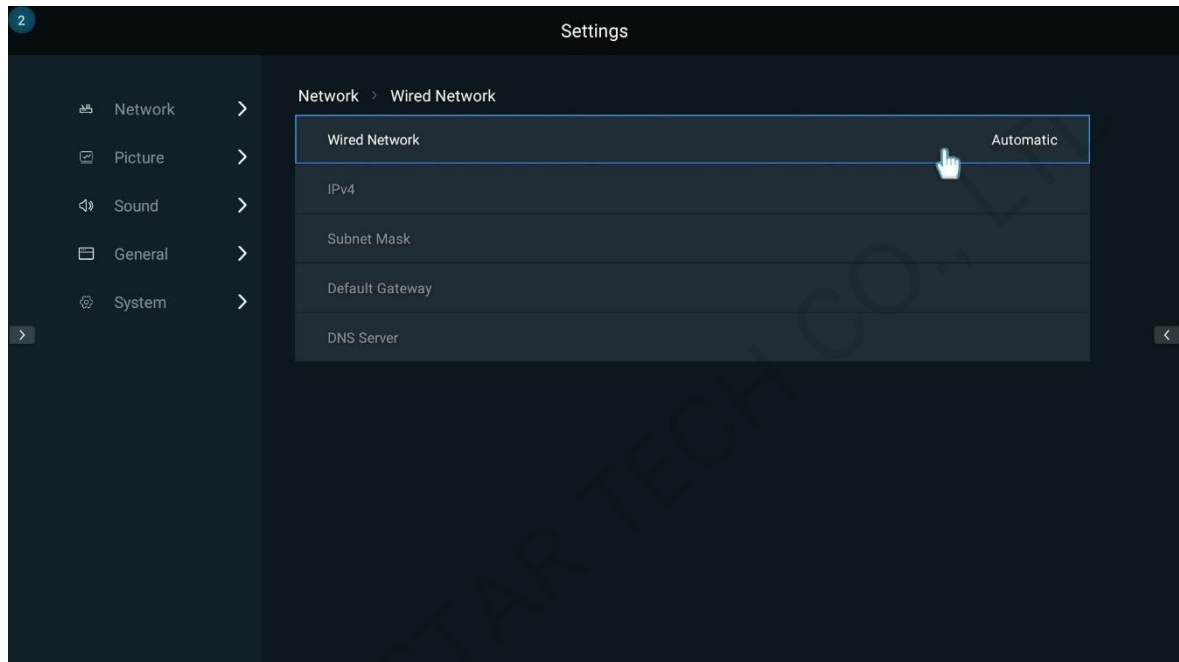



## 6.2 Network Settings

### 6.2.1 Wired Network

- Step 1 On the home screen of MeetUs 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 6-3 Wired network

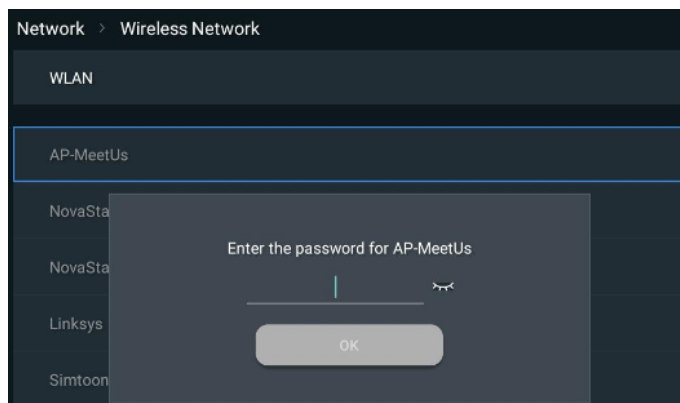


- Step 4 Set the **Wired Network** parameter to **Automatic** to automatically obtain the IP address.
- Step 5 Go back to the home screen. If the  icon appears at the top right corner, the network connection is successful.

### 6.2.2 Wireless Network (Wi-Fi)

- Step 1 On the home screen of MeetUs 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 6-4 Entering the Wi-Fi password



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

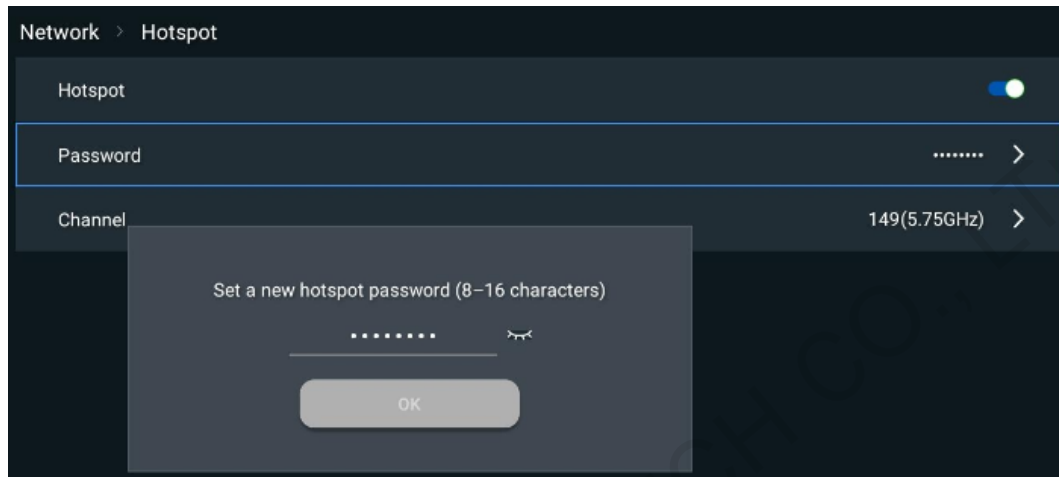
### 6.2.3 Hotspot

Step 1 On the home screen of MeetUs 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 6-5 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.

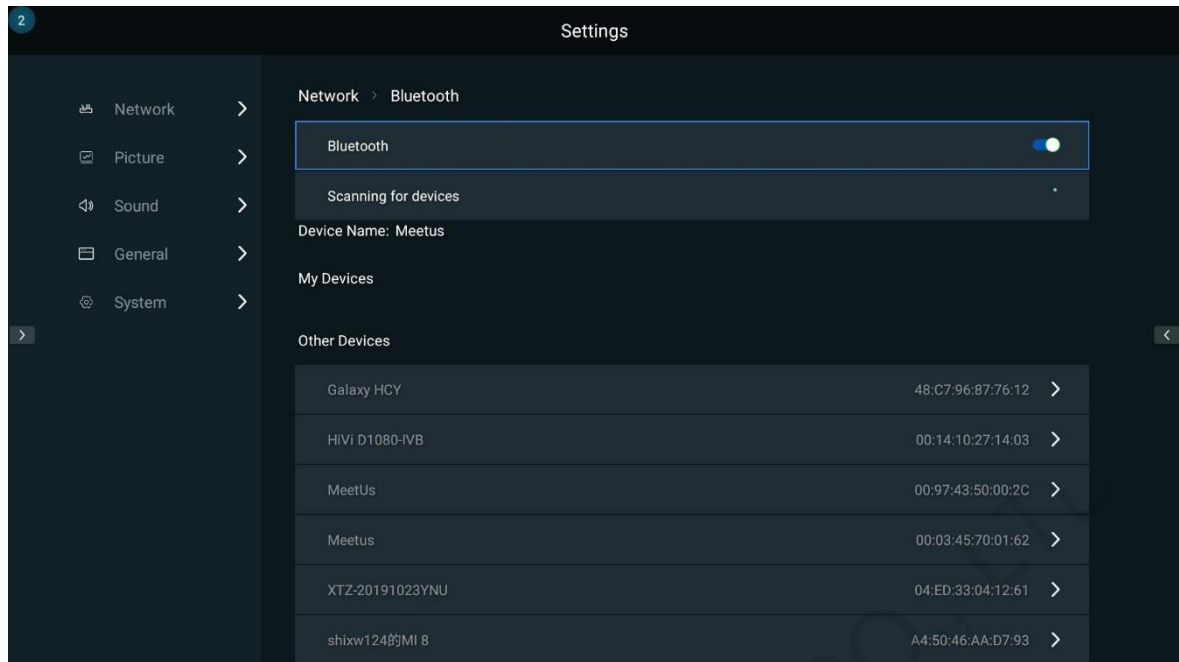
### 6.2.4 Bluetooth

Step 1 On the home screen of MeetUs 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 6-6 Bluetooth



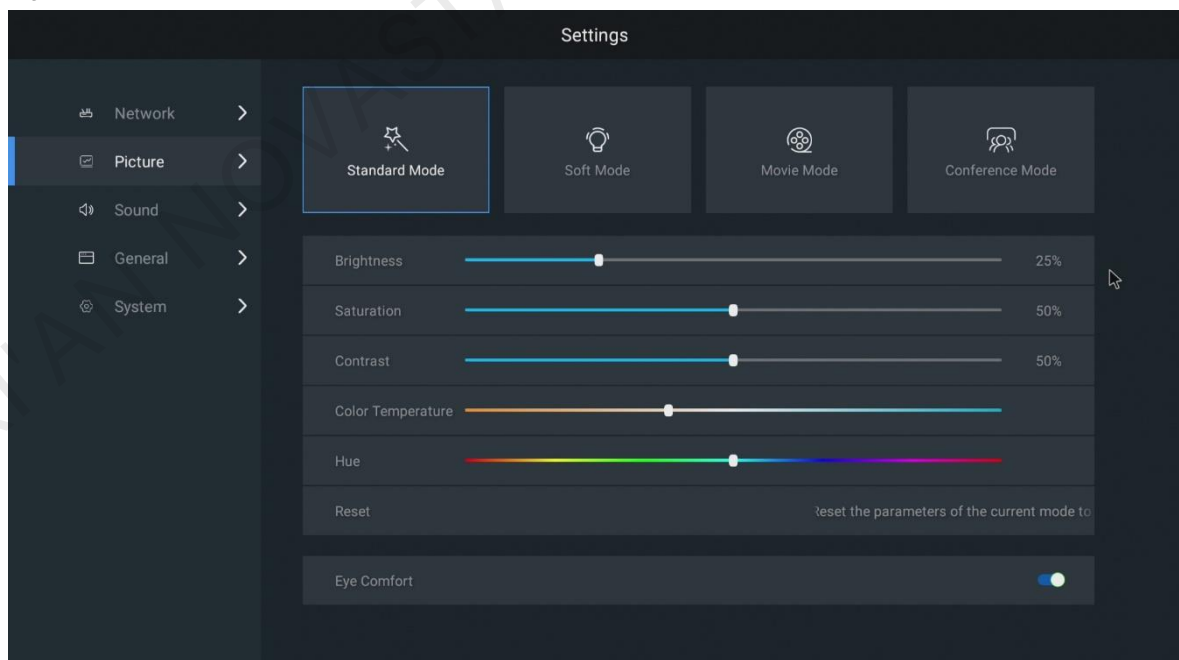
Step 4 Select the target device to pair it with the system.

### 6.3 Display Effect Adjustment

Step 1 On the home screen of MeetUs 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.

Figure 6-7 Effects



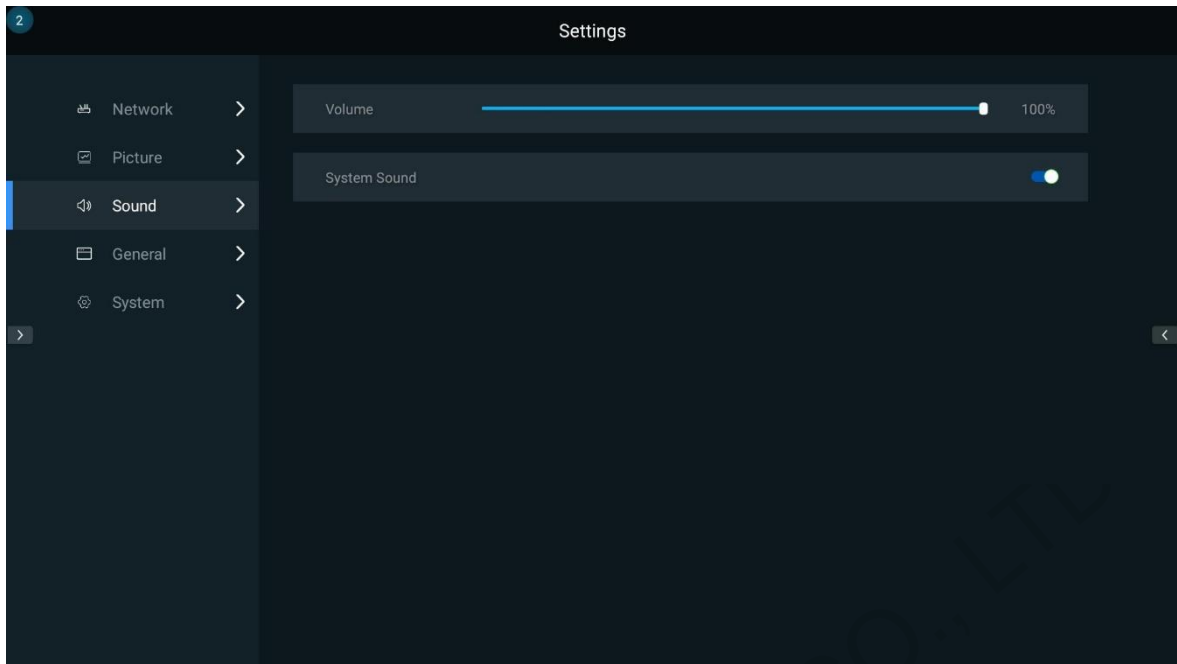
Step 3 For the detailed adjustment method, see [5 Display Effect Adjustment](#).

### 6.4 Sound Settings

Step 1 On the home screen of MeetUs 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 6-8 Sound settings



Step 3 Adjust the volume, and turn on or off the system sound for the MeetUs system.

## 6.5 General Settings

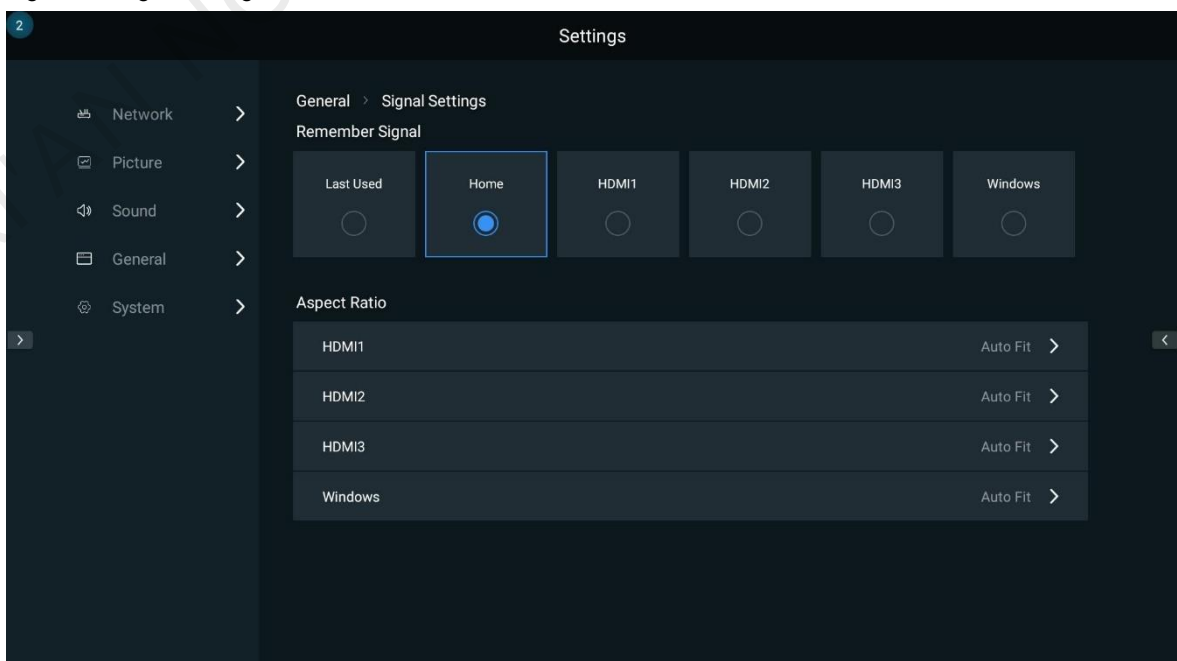
### 6.5.1 Signal Settings

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 HMD source to **Auto Fit** (default), **4:3**, **16:9**, or **Pixel to Pixel**.

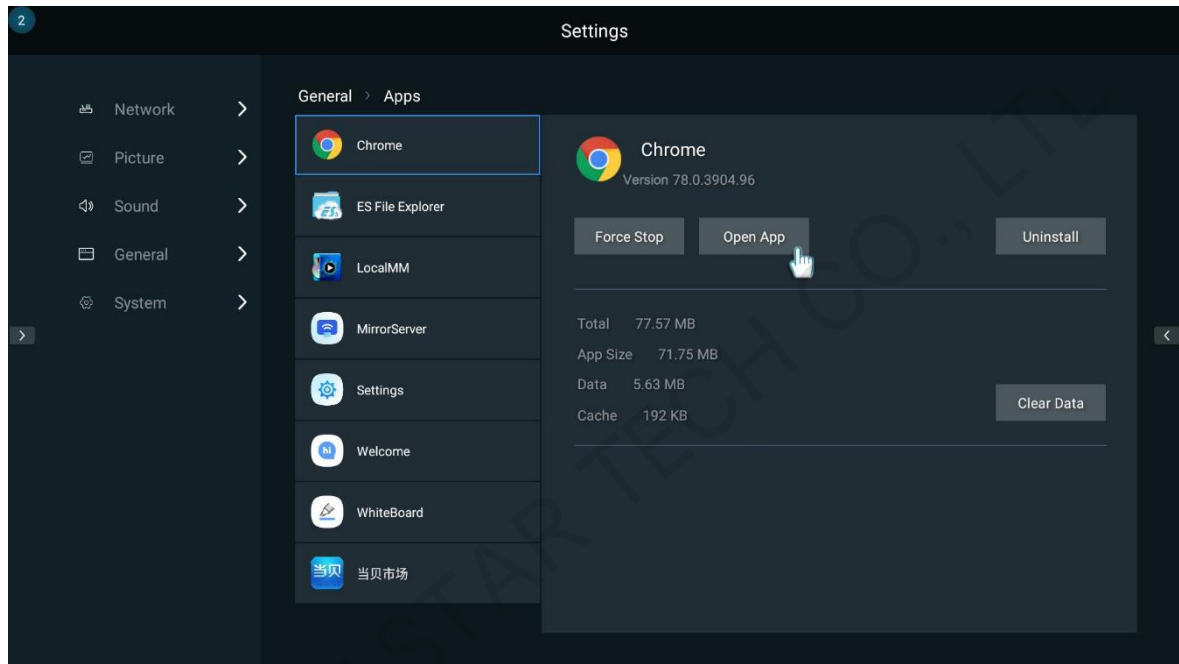
Figure 6-9 Signal settings



## 6.5.2 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.

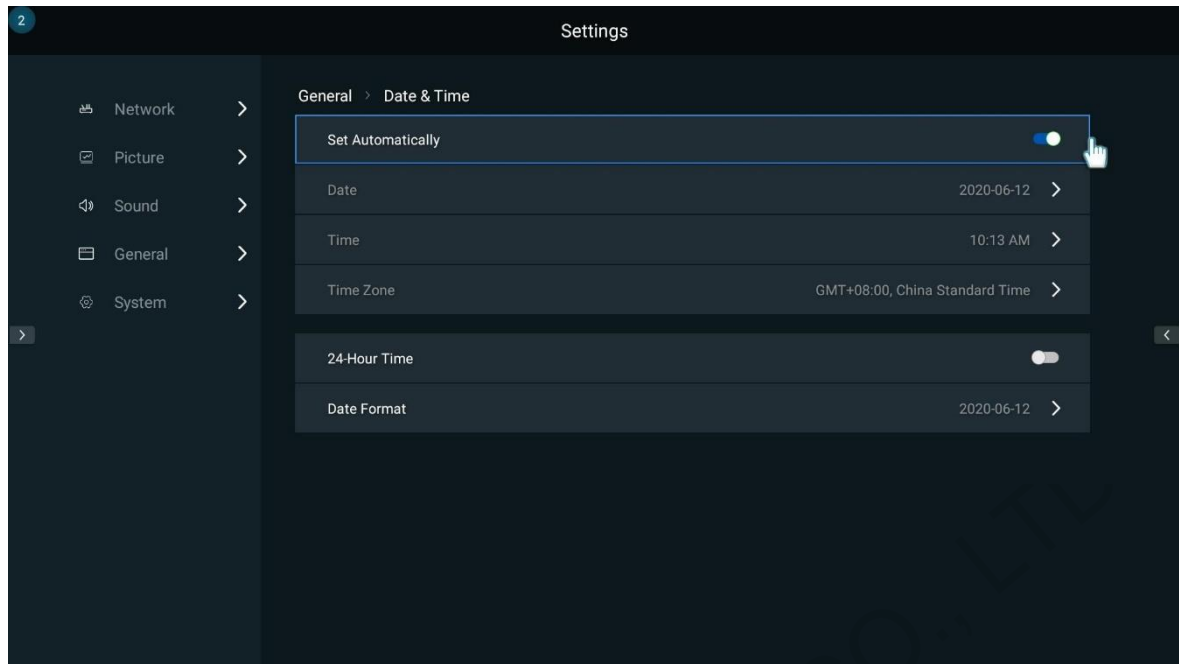
Figure 6-10 App management



## 6.5.3 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 MeetUs 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 MeetUs 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**.

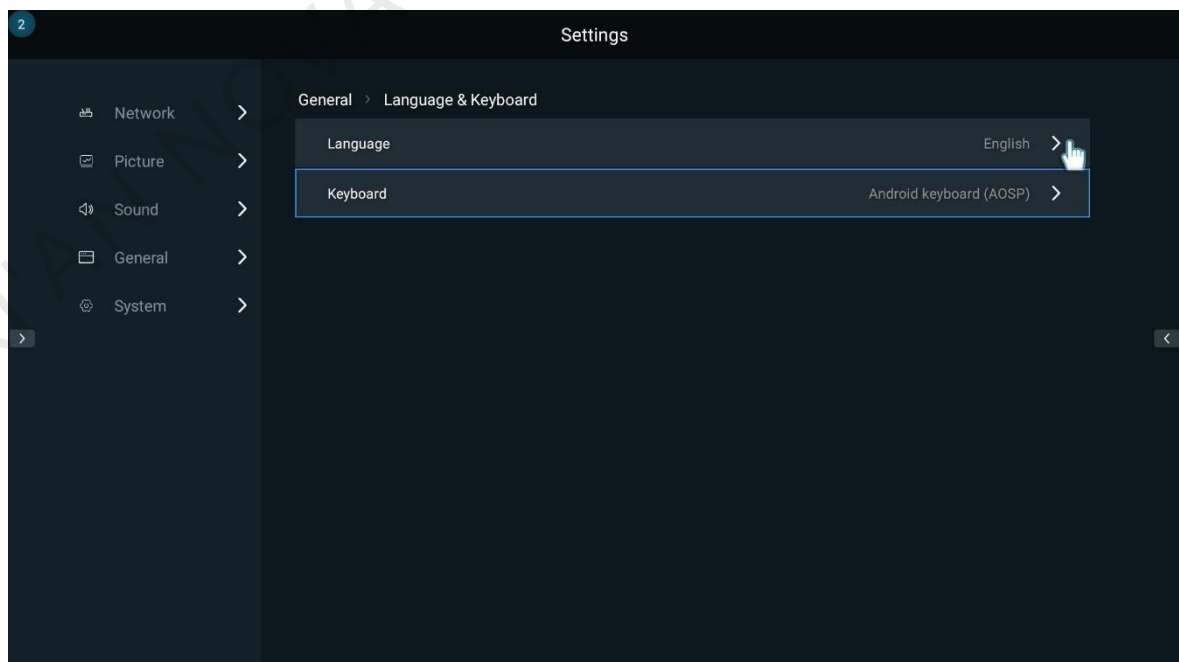
Figure 6-11 Date and time



### 6.5.4 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 MeetUs system.
- Language: Set the system language to **中文（简体）** (default), **English**, **中文（繁体）**, or **日本語**.
  - Keyboard: Set the keyboard input method to **谷歌拼音输入法** (default), **Android keyboard (AOSP)**, or **Google Japanese Input**.

Figure 6-12 Language and keyboard



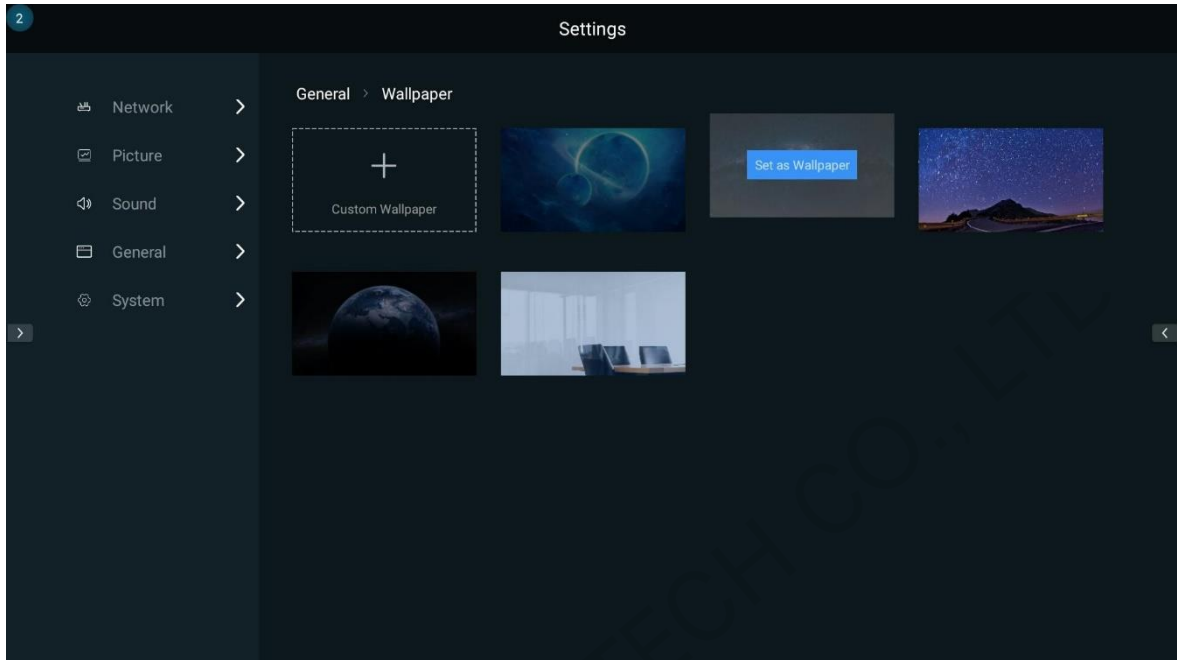
### 6.5.5 Wallpaper

- 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 MeetUs 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.

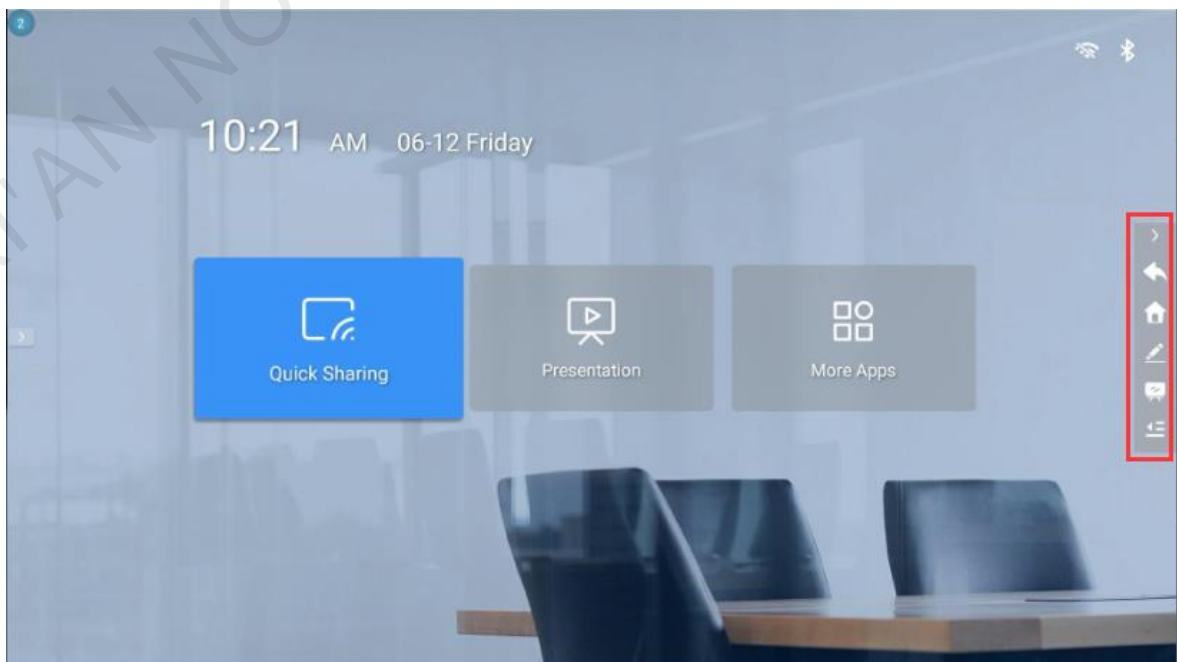
Figure 6-13 Wallpaper








### 6.5.6 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 6-14 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:**

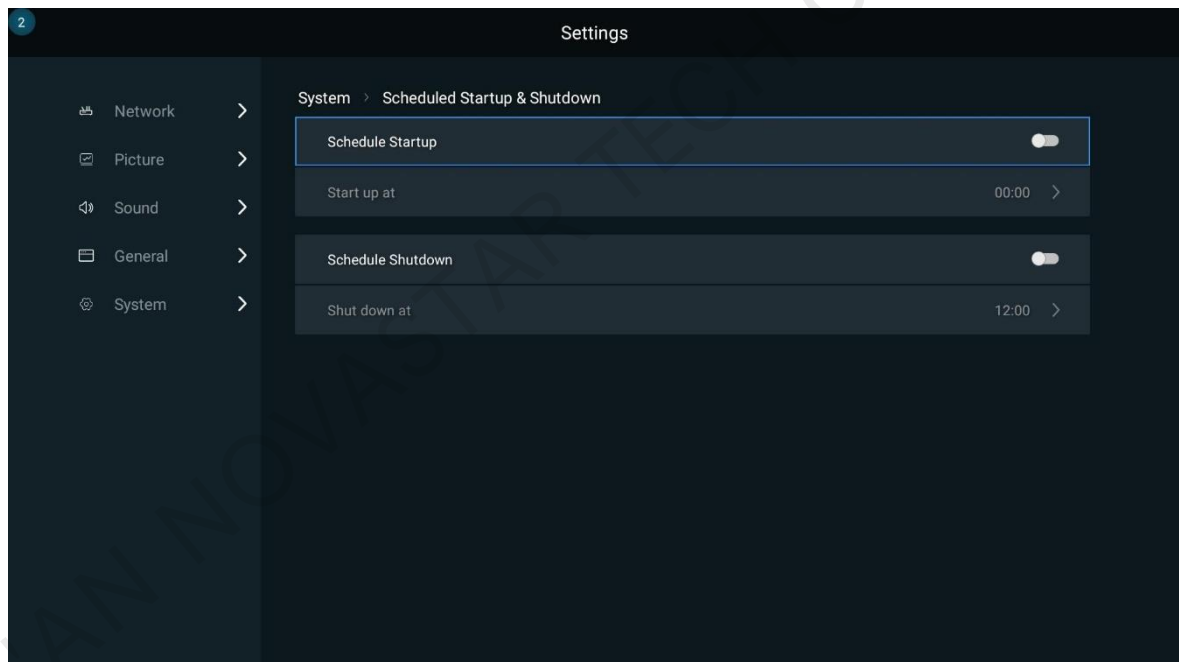
You can only use the connected mouse or touch screen to operate on the assistive touch menu. The remote cannot work on this menu.

## 6.6 System Settings

### 6.6.1 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 6-15 Scheduled startup and shutdown

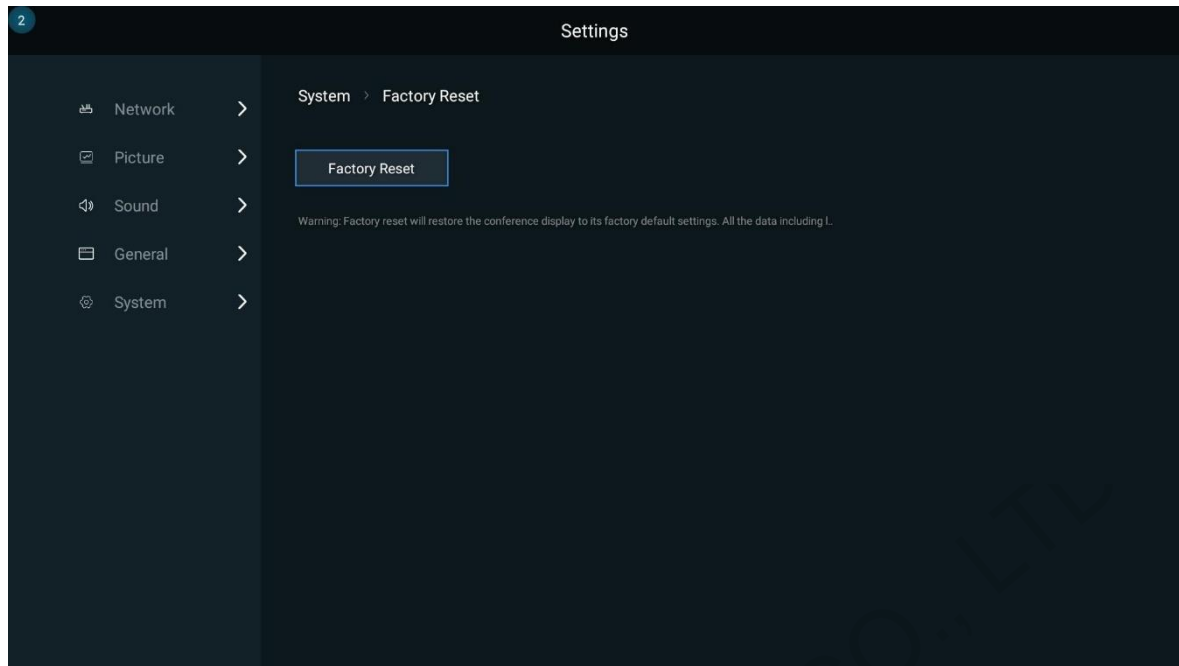


### 6.6.2 Factory Reset

- 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 MeetUs system to its factory status.



Figure 6-16 Factory reset



**Note:**

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

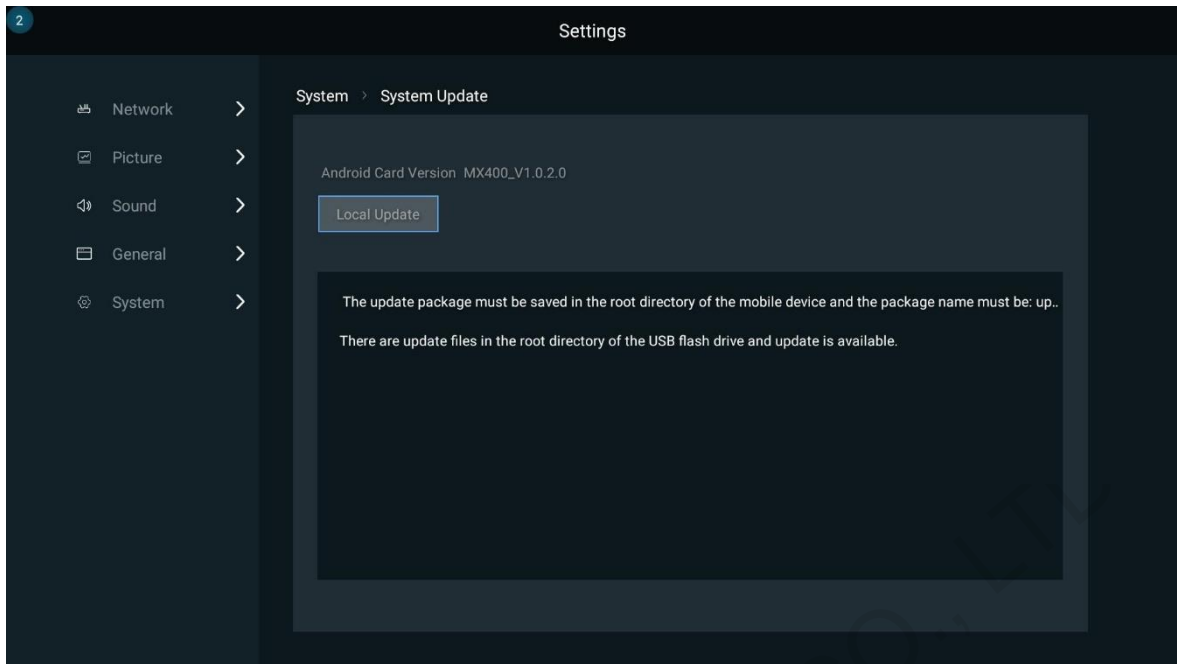
After you do the factory reset, you need to do the commercial activation for the mirroring dongle again. For details, see [8 Troubleshooting](#).

### 6.6.3 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 6-17 System update



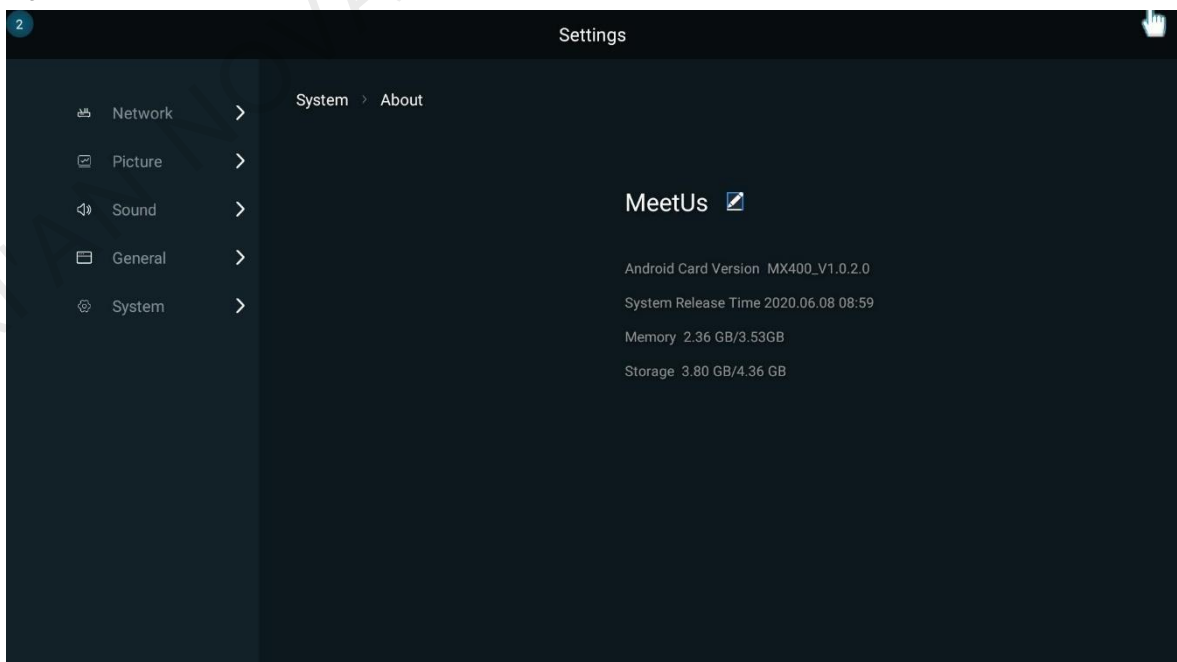
### 6.6.4 About

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 MeetUs system name, and view the following information.

- Android Card Version
- System Release Time
- Memory
- Storage

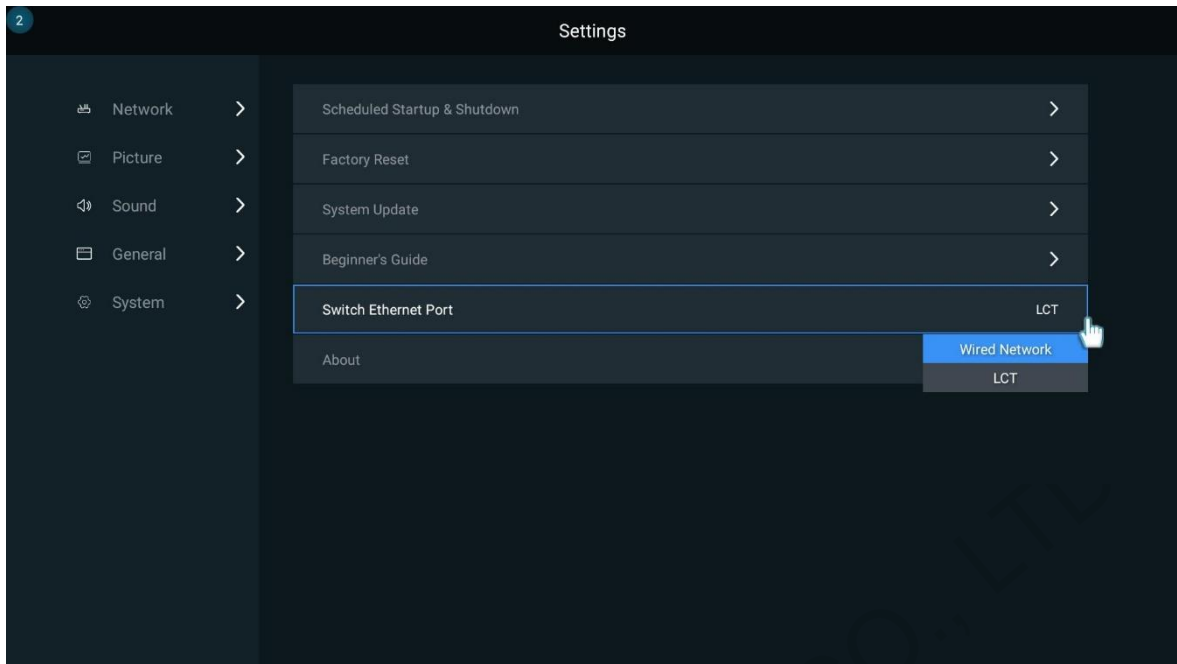
Figure 6-18 About



### 6.6.5 Switch Ethernet Port

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

Figure 6-19 Switching Ethernet port



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

- If you want to connect the MeetUs 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**.

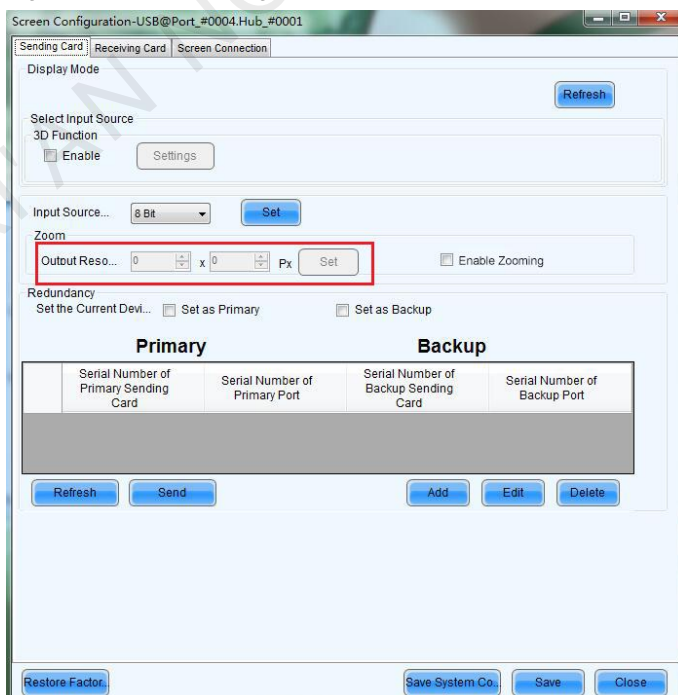
## 6.7 Custom Resolution Settings

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 6-20 Screen configuration



# 7 Firmware Update

## 7.1 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**.

## 7.2 Updating Android Card

For the update method, see [6.6.3 System Update](#).

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## 8 Troubleshooting

### 8.1 Fault Judgement

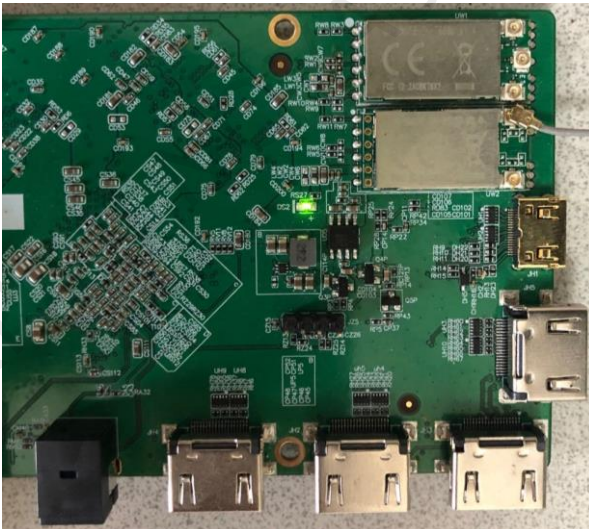
Judge the device operating status through the indicator status.

- Power indicator on the sending card

If this indicator is always on, the power is supplied.



- MCU indicator (The green light on the left)  
If this indicator flashes once every 1s, the MCU is functioning normally.
- FPGA indicator (The green light on the right)  
If this indicator flashes 4 times every 1s, the video input is available.
- Android on-board indicator (green)  
If this indicator flashes once every 1s, the Android system is functioning normally.



### 8.2 Android On-Board Indicator Not Flashing and System Not Running

- Check whether you have pressed the power button on the button module or the remote to power on the Android card. The Android card enters the standby state by default after it is supplied with power.
- Check whether the power supply of the system is normal. The voltage of the power connector on the Android card must be  $5\pm 0.2$  V. The power must be greater than 30 W. The ripple voltage must be less than 50 mV. The start time must be less than 100 ms. The rising edge must be less than 50 ms.

### 8.3 Mirroring Failed After Dongle Inserted to PC

- Make sure the mirroring dongle and the Android card have been paired, and the hotspot of the meeting board has been enabled.
- Disable the anti-virus software. Then, unplug and plug the mirroring dongle again.
- Manually run the mirroring software client on the PC.
  - For Windows, go to my computer > **Client**, and run the **Client.exe** program.
  - For macOS, go to my computer > **Client** > **Client.app** > **Content** > **MacOS**, and run the **Client** program

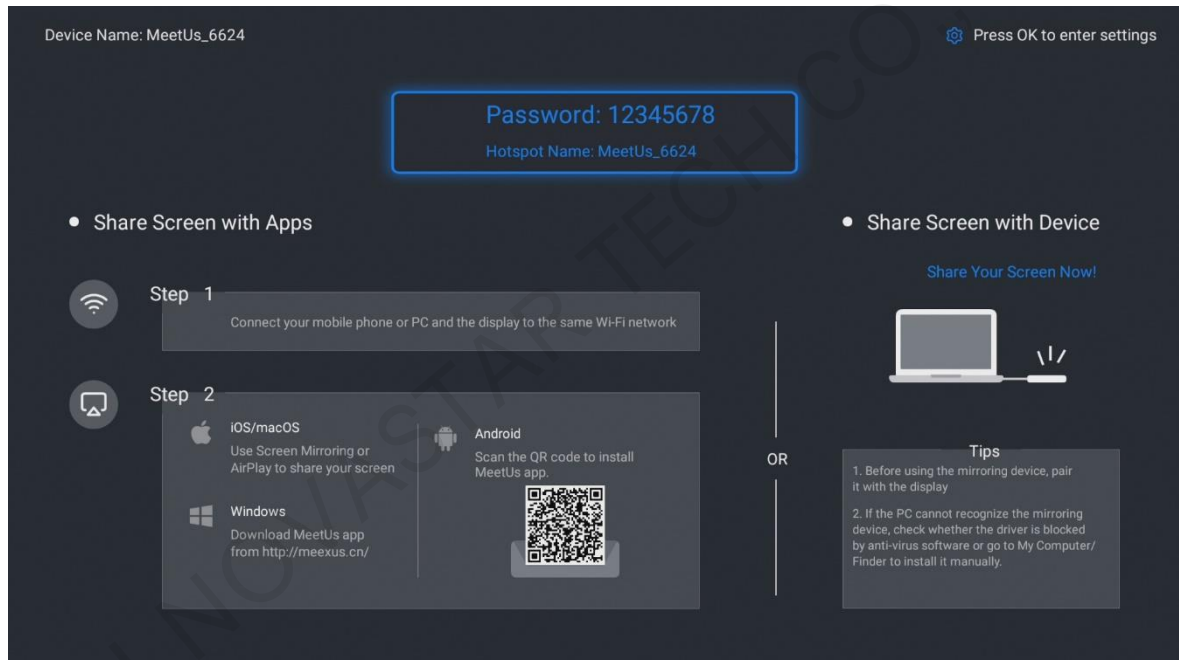
### 8.4 Dongle Activation Failed or Activation Code Required

If the mirroring dongle has no response after you press the round button, activation of the dongle may fail. Do the procedure below to activate the dongle.

Step 1 Before activation, make sure the network connection is normal.

Step 2 On the home screen of MeetUs system, select **Quick Sharing** to enter the screen shown below.

Figure 8-1 Quick sharing



Step 3 Press the **OK** button on the remote or select the icon at the top right corner to open the **Mirror Setting** menu, and select **Activation Information** in the menu.

Step 4 Select **Commercial activate**. In the displayed dialog box, enter the activation code to activate the mirroring dongle.

To obtain the activation code, please contact the technical support staff. See the contact information on the back cover of this document.

#### Note

To do wireless screen mirroring, make sure the device to be mirrored and the MeetUs system must be on the same network segment, and the device must connect to the hotspot of the MeetUs system.

Commercial activation for the mirroring dongle is already done at the factory before it is sold to the customers.

### 8.5 Wireless Mirroring Getting Stuck and Having High Latency

- Check whether the connection between the device that you are mirroring from and the network of the meeting board is normal.
- Check whether the antennas are connected correctly to the meeting board.

- Check whether there is interference in the wireless environment around the meeting board and whether there is channel congestion. In the settings menu, you can switch the channel to ensure that the meeting board is working in a good wireless environment without much interference. In this way, the screen mirroring quality can be ensured. (You can download a Wi-Fi application like Wi-Fi assistant from the app store and use the application to scan.)

## 8.6 Weak Wi-Fi Signal

- Check whether the antennas are sheltered from the environment.
- Check whether the antennas are connected correctly. The correct antenna connections are shown below.



Connector	Description
BT	Connect to the Bluetooth antenna.
WIFI/STA	Connect to the Wi-Fi antenna for network connection.
WIFI/AP	Connect to the 2.4G/5G wireless hotspot antenna.

## 8.7 Short Infrared Control Distance and Slow Response of the Remote

Troubleshoot the problems from the following two aspects.

- Make sure the infrared receiver is installed correctly and ensure a valid receiving angle. Make sure the remote is not sheltered from any metal.
- Make sure the remote has enough battery power.

## 8.8 Bluetooth of Meeting Board Unusable After Pressing Power Button of the Remote

After the meeting board is powered off, Bluetooth cannot be used. However, you can use the remote to power on the meeting board via the infrared mode.

## 8.9 Usage of Relay Module

The power supply of the relay module is DC 3A 30V.

### Caution:

Do NOT connect a strong power supply to the relay module.

## 8.10 System Failed to Start and Android Card Indicator Always On or Off

Check the power supply voltage of the system. Make sure the voltage range at the power connector on the meeting board is 4.9 V to 5.1 V.

## 8.11 Failed to Upload Calibration Coefficients Quickly

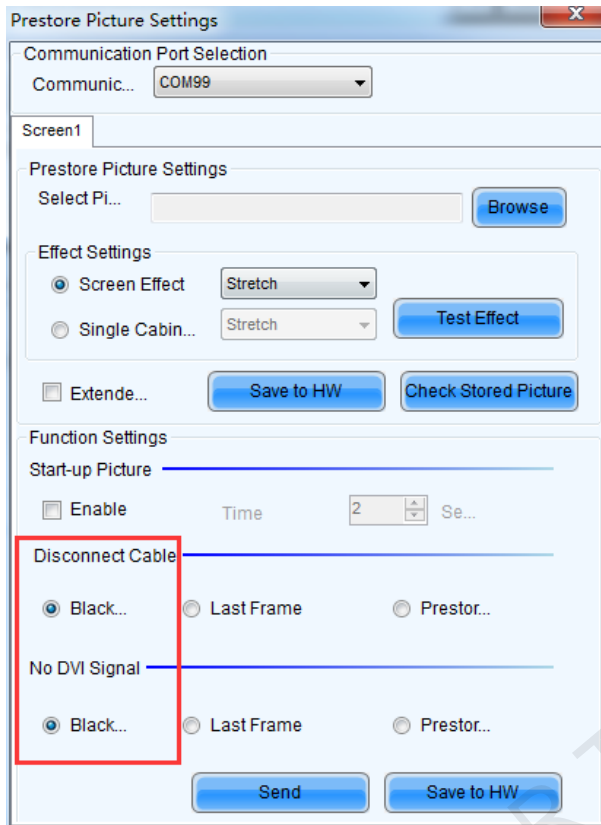
You must set the HDMI aspect ratio to **Pixel to Pixel**. For details, see [6.5.1 Signal Settings](#).

## 8.12 Display Flashing During Video Playback via USB Drive

You can solve this problem by setting the display to black screen in NovaLCT when there is no video source. Do the following steps.

- Step 1 Run the NovaLCT software. On the menu bar, choose **User > Advanced Synchronous System User Login**.

- Step 2 Enter the password “admin” and click **Login**.
- Step 3 Choose **Settings > Prestore Screen** to enter the **Prestore Picture Settings** dialog box.
- Step 4 Set the options of **Disconnect Cable** and **No DVI Signal** to **Black Screen**. Then, click **Send** and **Save to HW**.



### 8.13 Display Flashing During Android Startup

This problem can be solved by the method described in [8.12 Display Flashing During Video Playback via USB Drive](#).



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