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# Integrated LED Display



All pictures in this user manual are for reference only. Actual product may vary

## Product User Manual

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**Warning**

It is a Class A product and operation of this device in a residential environment may cause radio interference.

There is a high possibility that the device will be damaged and cannot be recovered due to ignoring the warning.

- 1) Do not invert or throw the device during handling and storage;
- 2) Do not tilt and collide the device during installation to avoid scratches;
- 3) Do not drench or soak the device;
- 4) Do not close the air outlet of the air conditioner to the display;
- 5) Do not place or use the display in the environment with volatile, corrosive and flammable chemicals;
- 6) Do not use the product at the humidity above 80% or in outdoor rainy environment;
- 7) Do not use water or chemical solvents to clean display device;
- 8) Do not use electrical accessories not certified by the device manufacturer;
- 9) Ensure that the display and auxiliary equipment are correctly and reliably grounded before use;
- 10) In case of abnormalities, such as peculiar smell, smoke, electric leakage and abnormal temperature, please cut off the power supply immediately, and then contact professional;
- 11) This equipment has two input sockets, which must be disconnected at the same time to disconnect the power supply from the equipment;
- 12) Connect it to 100-240V AC power supply;

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◆Caution!

The probability of not getting the best display due to ignoring the precautions is extremely high.

- 1) Wear anti-static gloves and anti-static wrist strap when installing and repairing the product;
- 2) Good ventilation on the back of the display must be considered when designing the cooling solution;
- 3) The storage environment of the display shall be ventilated and dry, and the humidity shall not exceed 85%RH;
- 4) Under normal circumstances, it must be ensured that the display is powered on at least twice a week, and each light-up time is not less than 2 hours;
- 5) If the display is installed in the seaside, saline areas, the areas with sulfurized gases, near the fume exhaust in kitchen, and the indoor and outdoor sites with large temperature difference, it may cause equipment failure and affect the service life. If it is unavoidable, please consult our professional and technical personnel;
- 6) This product is only suitable for safe use at altitudes below 5000m;
- 7) The operating ambient temperature of the display must not exceed - 10 ~ 40 °C;

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◆ Onsite service requirements for service provider!

- 1) Before going to the site, contact the customer in advance to confirm the on-site installation environment and communicate with the customer about the specific installation time;
- 2) According to the on-site installation situation, it is necessary to carry installation tools for drilling and flaring, and spirit level. In case of special requirements, it may be necessary to additionally carry such equipment as self-tapping screws and cutting machines;
- 3) It is necessary to arrive at the customer's site on time according to the time scheduled. In case of not arriving on time for special reasons, it is needed to communicate with the customer in advance to explain the reasons;
- 4) Before installation, the goods shall be checked according to the packing list attached with the goods. In case of wrong delivery, omission or damage of goods, photos shall be taken in time and communication shall be made with the agent and manufacturer for handling;
- 5) When installing the product, keep hands clean and wear anti-static gloves;
- 6) Installation must be carried out according to the marked cabinet number and the serial number of the LED panel;
- 7) During installation, attention shall be paid to the flatness and gap between the cabinet and the LED panel, and adjust it in time to avoid rework;
- 8) Check the status of the whole screen after the product is lit up to ensure the best display effect;
- 9) Provide unified training guidelines for customers to let them understand product functions and how to use them;
- 10) When the installation for a project is completed, fill in the record form required to be filled in on site, and take photos for record.

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◆Precautions for construction!

- 1) Tools such as laser level, tape measure, lifting line for plane measurement, trepanning and punching tools, etc. should be available;
- 2) Upon arrival at the site, confirm that the reserved dimensions—including length, width, thickness, and the quantity and type of wires—meet the specifications;
- 3) The height above the ground and the center location must be confirmed with the user and clearly marked in the absence of a steel back frame;
- 4) Check the steel structure and wall flatness and levelness when installing wall mounting bars;
- 5) Check the flatness of the wall mounting bars and measure the distance between the top and bottom when installing them;
- 6) If it is found that the cabinet shakes up and down severely when installed, it is necessary to insert pads to the back beforehand until it does not shake;
- 7) It is necessary to check whether the gap between the display and the wall is consistent up and down after the cabinet is installed;
- 8) Back connection plates should be fastened at the splicing points when the upper and bottom rows of cabinets need to be joined;
- 9) Check the gaps between two rows of cabinets that were joined, and adjust them in time if they are too large;
- 10) After the screen is installed, it is necessary to check whether the four corners are flush with the decoration;
- 11) If embedded installation is required, please reserve sufficient space in advance for the Slot-in Controller and edge maintenance. Additionally, ensure that a clearance area of no less than 100mm is reserved at the Wi-Fi location on the lower right corner of the unit.

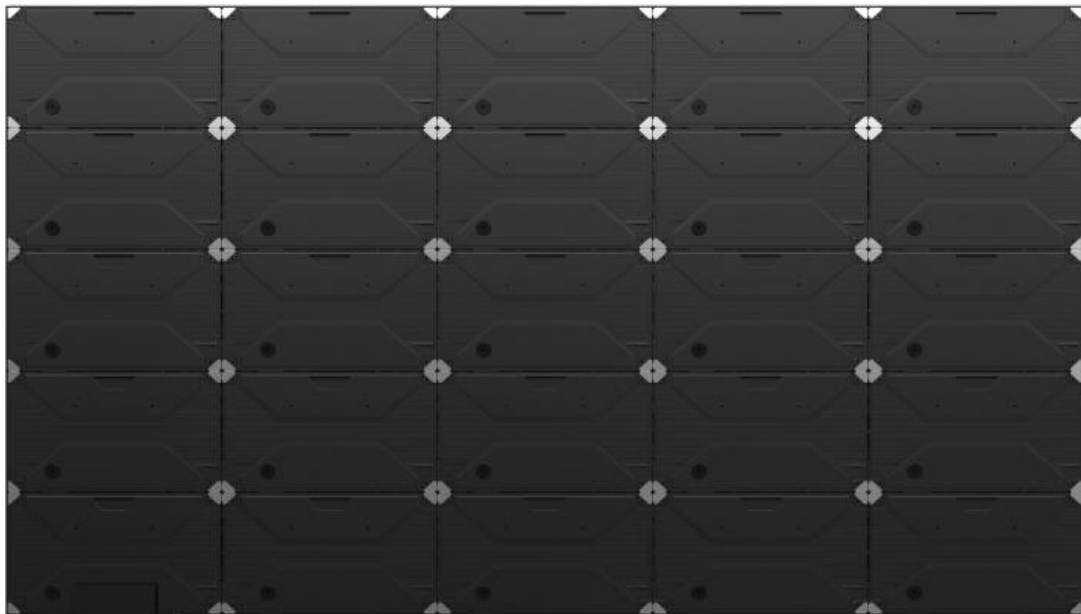
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# I. Product Introduction

## (1) Product appearance



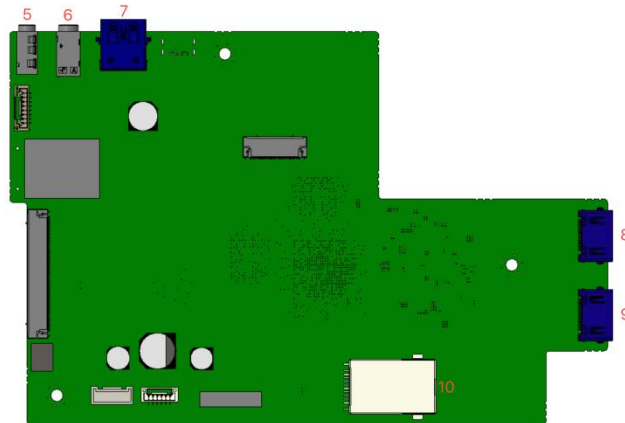
Front of the product



Back of the product

\* Product back view diagram using the 135-inch product as an example.

## (2) I/O Ports




| NO. | Description                          | NO. | Description   |
|-----|--------------------------------------|-----|---------------|
| 1   | USB3.0                               | 6   | AUDIO OUT     |
| 2   | IR                                   | 7   | USB3.0        |
| 3   | dual-color indicator light(red/blue) | 8   | HDMI2.0 input |
| 4   | Standby/Wake up button,              | 9   | HDMI1.4 input |
| 5   | RS232                                | 10  | WAN           |

\*USB Out is recommended for scenarios where the computer serves as the input source.

By connecting directly to the computer via USB Out, it enables functionalities such as reading USB mouse, keyboard, wireless presenter, etc.

### (3) Remote control description

| Button Icon   | Introduction         |
|---|----------------------|
|    | Standby/Wakeup       |
|    | Up                   |
|   | Down                 |
|   | Confirm              |
|   | Left                 |
|   | Right                |
|    | Voice+               |
|    | Voice-               |
|  | Back                 |
|  | BrightnessAdjustment |
|  | Menu                 |
|  | MainInterface        |



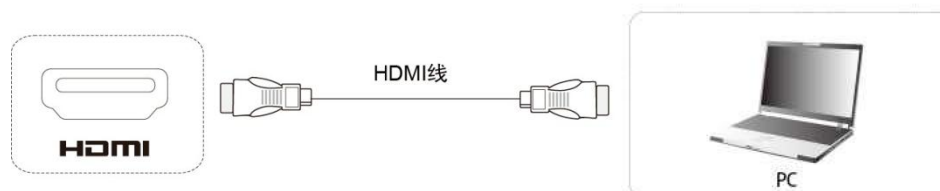
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#### (4) Interface description

The number and types of ports on the device are subject to the actual product.

The descriptions in this manual are for illustrative purposes only.

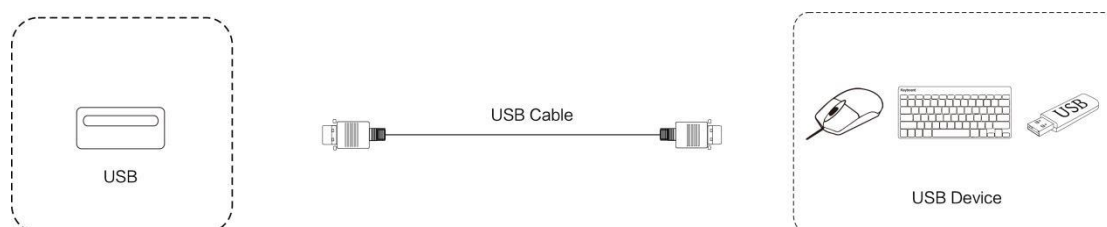
##### HDMI input connection



##### Connection instructions:

1. Connect to the device with HDMI output (such as a computer) using an HDMI cable;
2. Press the channel switch button (on the display or remote control) to switch to the HDMI display channel.

##### USB input/TYPER-C input

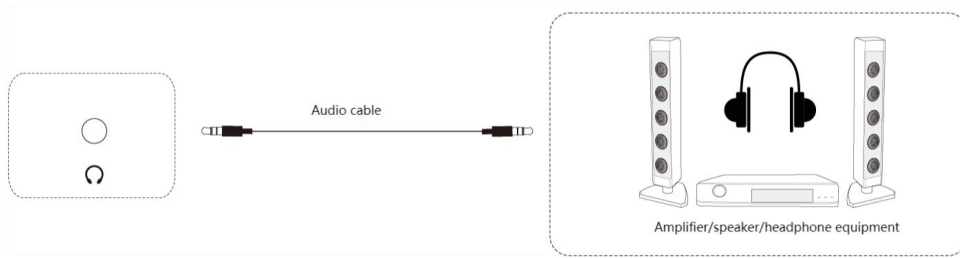


##### Connection instructions:

1. Connect USB flash drive, mouse, keyboard, etc., to the USB/TYPER-C ports;
2. After connecting to the USB/TYPER-C ports, the mouse and keyboard can be used directly;
3. To view the contents on the connected USB flash drive, navigate to the file explorer in the system main interface.

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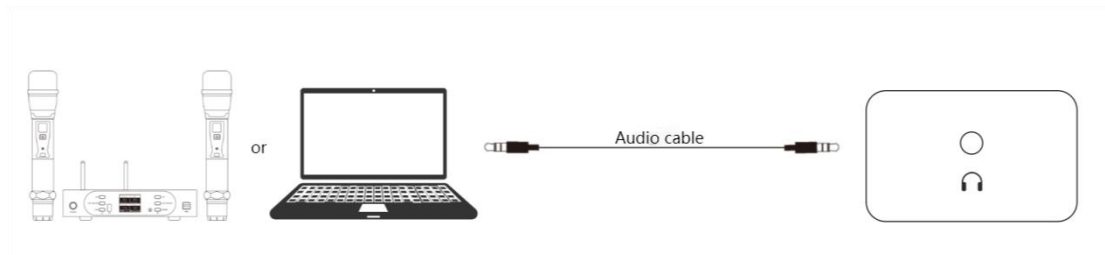
## Audio signal output



### Connection instructions:

1. Connect one end of the audio cable to the 3.5mm audio output port and the other end to an amplifier, speaker, headphones, etc.;
2. The remote control can be used to control the volume of the audio output.

## Audio signal input



### Connection instructions:

1. Connect one end of the audio cable to the wireless receiver or other audio output device, and the other end to the 3.5mm audio input port of the integrated LED display;
2. The remote control can be used to control the volume of the audio output.

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## II. Product Installation

### (1) Installation environment requirements

- 1> For wall-mounted installation, the wall should be load-bearing. Special walls such as glass, marble, ceramic tiles, and hollow wall cannot bear the weight of the product. In such cases, special installation methods may be required, which could incur additional costs.
- 2> Installation options only include load-bearing wall drilling, ceiling mount, or floor standing installation. If special installation methods such as wall reinforcement or steel structure installation are required, the corresponding fees will be calculated separately based on actual costs.
- 3> If you insist on installing in a way that poses installation risks as specified by you, after being alerted by our installation personnel, the responsibility arising from this should not be borne by our company; if you use non-standard/self-purchased wall bracket not from our company and they cause damage to other items, our company will not bear any responsibility.

### (2) Structure installation

Floor standing installation\*



Floor standing installation effect

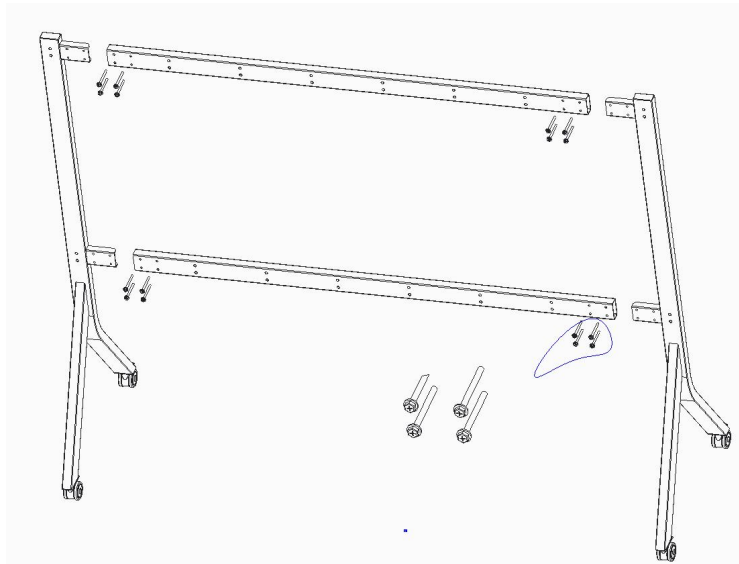
\*The following installation steps are all based on the 135-inch product as an example

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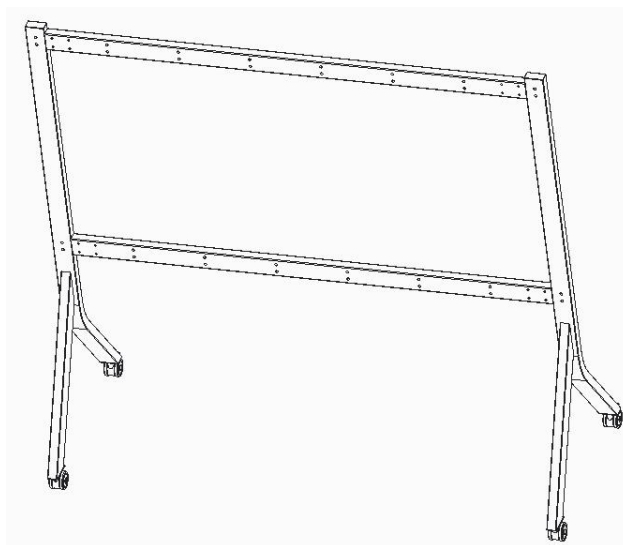
Installation steps:

Step 1: Assemble the floor stand

1) Based on the detailed list of floor stand assembly, find the corresponding components, as shown in the figure below:

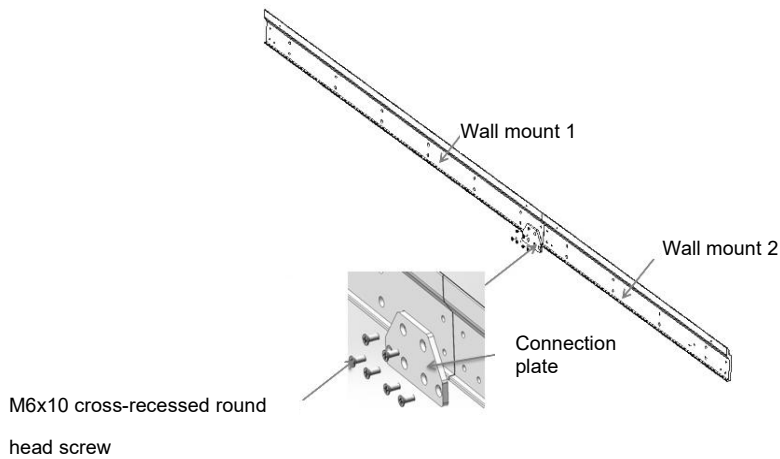


2) Tighten the mounting screws with an appropriate tool to complete the installation of the floor stand assembly, as shown in the figure below:

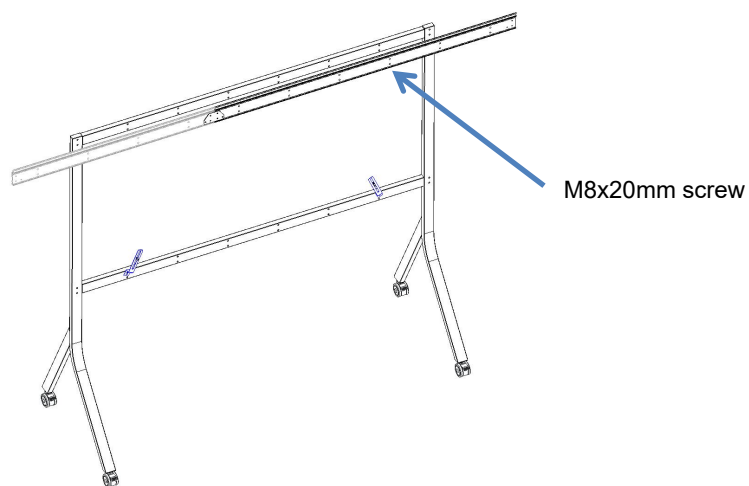


Step 2: Install the wall mount

Select the corresponding accessories for the assembly of the wall mount as shown in the figure below:

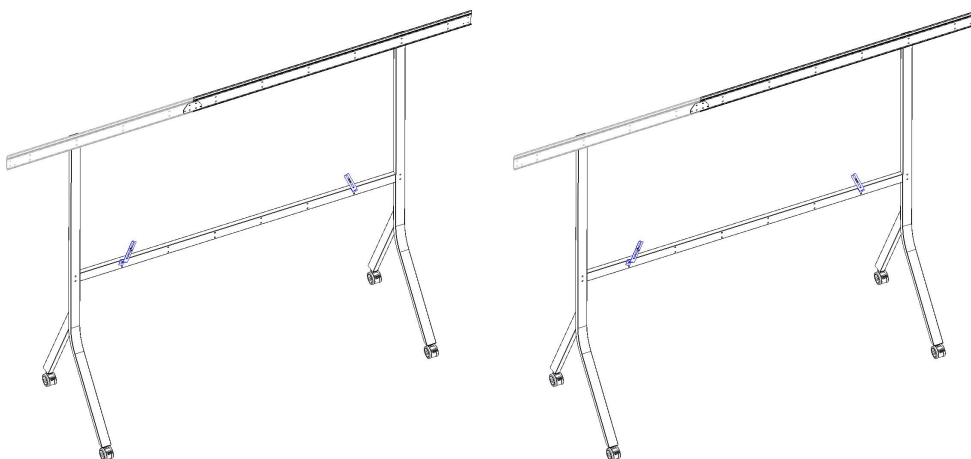


1) Install the wall mount onto the floor stand as shown in the figure below:



Suitable for 135 inches

2) The wall mount and the floor stand have been assembled, as shown in the figure below:



Suitable for 135 inches

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### Step 3: Assemble the cabinets

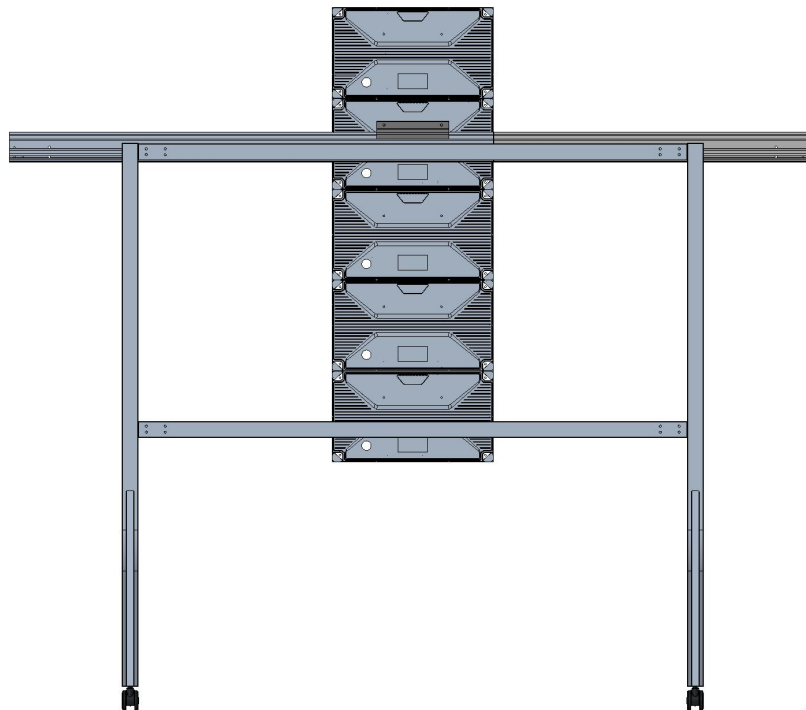
The integrated LED display is shipped with the cabinets arranged in a column according to their numbers, with a total of 5 columns arranged for 135 inches; The upper and lower connecting screws are already secured to the cabinet before shipment;

The cabinets assembled in columns have been pre-installed with back hooks and edging.

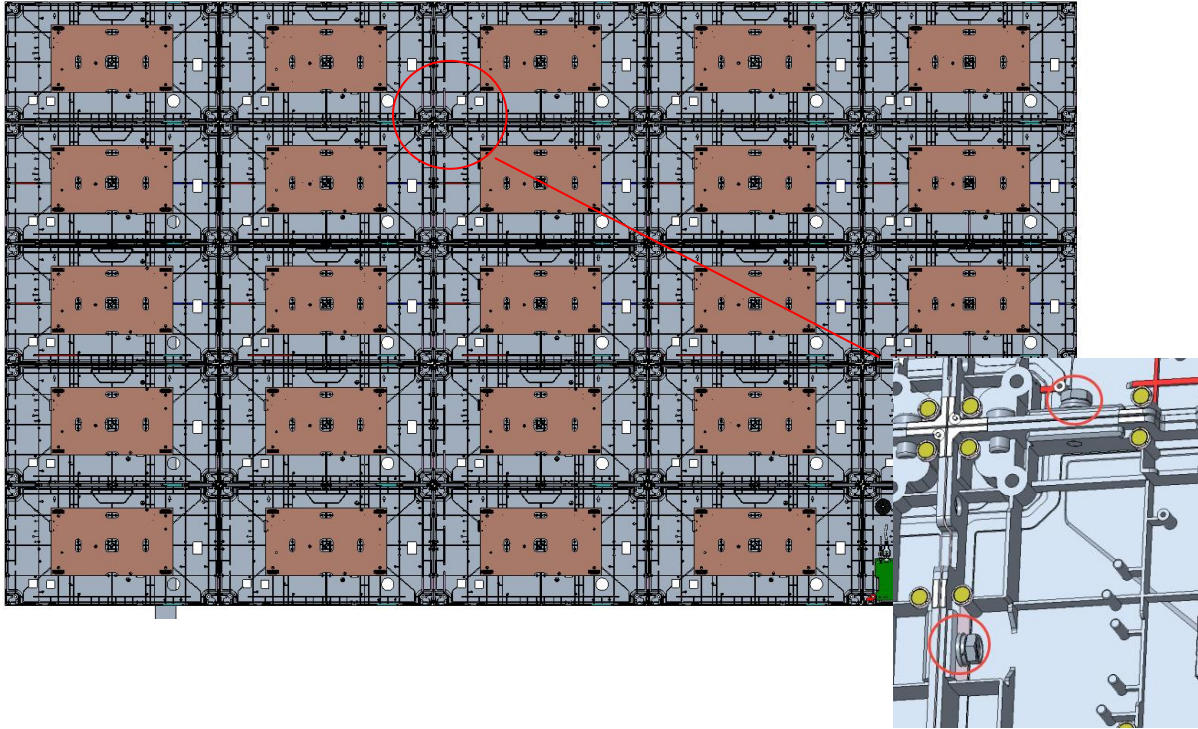
### Step 4: Assemble the whole

\* Before hanging the cabinets, make sure the casters of the floor stand are locked, and the wall mount is level.

- 1) Hang the cabinets from the middle to the sides, and hang the wall mount on the cabinet on the wall mount on the floor stand;



2) Install the adjacent second column by hooking the hooks onto the wall-mount strip, ensuring that the adjacent sides are closely aligned. Use M5 step screws to secure the left and right cabinets together, fully locking both columns as shown in the diagram below.

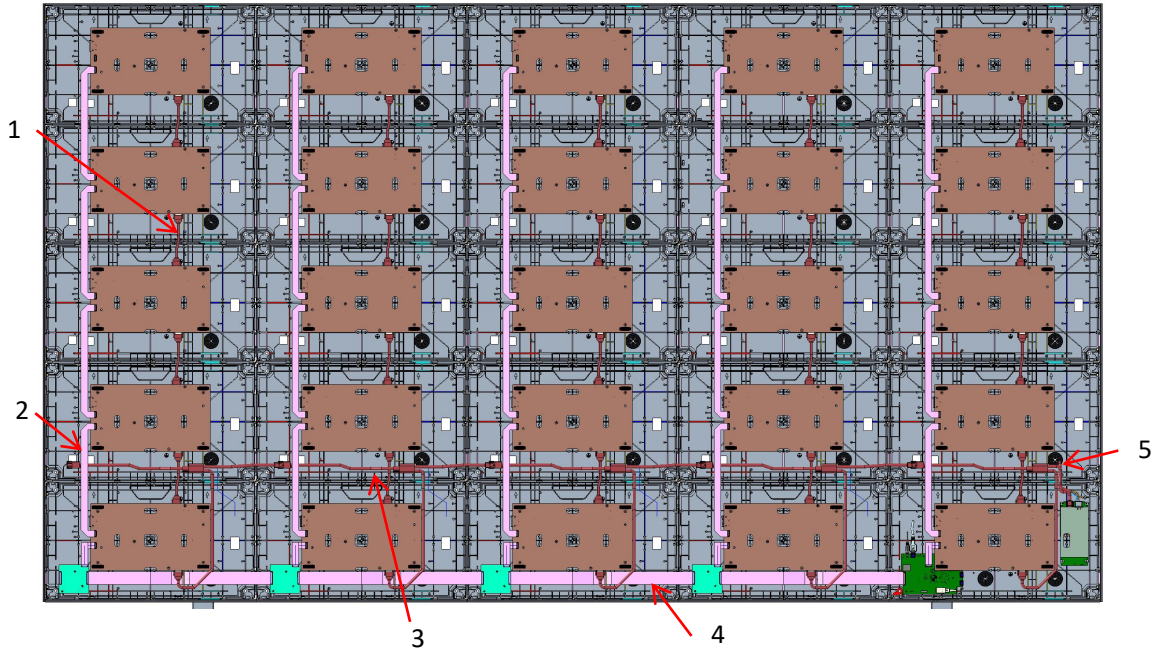


3) Complete the installation of the other columns of cabinets in order (left and right edgings, and top edging have been installed before shipping), as shown in the figure below:



### Step 5: Wiring

First, connect the power and signal cables between the cabinets according to the diagram. Then, connect the signal and power cables to the bottom frame assembly (e.g. 135 inches). As shown in the figure below:



| SN | Name  | Quantity |
|----|---|----------|
| 1  | Vertical cascading power cable between the cabinets | 20       |
| 2  | Vertical signal FFC between the cabinets            | 20       |
| 3  | Horizontal cascading cable between the cabinets     | 4        |
| 4  | Horizontal signal FFC between the cabinets          | 4        |
| 5  | Power cord for plug                                 | 1        |

Power supply&Signal wiring diagram

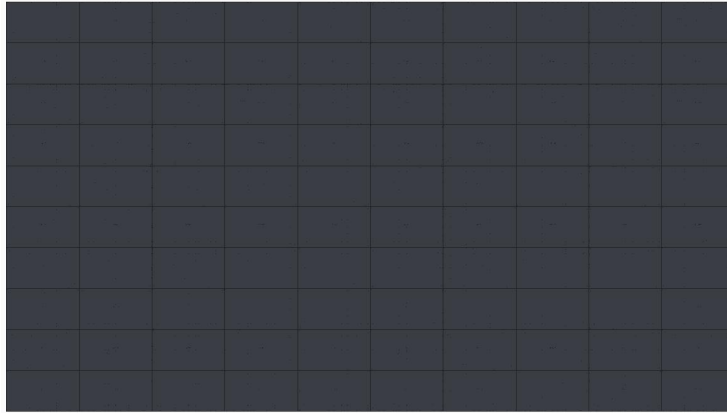
### Step 6: Install the LED panel

\* The installation sequence can be from left to right, from right to left, from bottom to top, or from top to bottom, depending on the on-site installation environment.

\* Fix promptly if flatness is poor during assembly;

- 1) The connection method of the LED panel is a hard connection, which is connected through the connectors on the bridge board and the module.

When installing, be sure to control the force and avoid forcefully inserting.



2) Box and light panel serial number description: Each box has a label in the upper right corner (inside), which represents the corresponding position of the box assembly during factory calibration. Each light panel (on the back) also has a label, for example, "4" in "4-3" represents the position of the light panel assembled in No. 4 box during factory calibration, and "3" represents the position of the light panel in No. 4 box;

|     |     |      |      |   |   |   |   |  |  |
|-----|-----|------|------|---|---|---|---|--|--|
| 1-1 | 1-2 | 6-1  | 6-2  |   |   |   |   |  |  |
| 1-3 | 1-4 | 6-3  | 6-4  |   |   |   |   |  |  |
| 2-1 | 2-2 | 7-1  | 7-2  |   |   |   |   |  |  |
| 2-3 | 2-4 | 7-3  | 7-4  |   |   |   |   |  |  |
| 3-1 | 3-2 | 8-1  | 8-2  | ● | ● | ● | ● |  |  |
| 3-3 | 3-4 | 8-3  | 8-4  |   |   |   |   |  |  |
| 4-1 | 4-2 | 9-1  | 9-2  |   |   |   |   |  |  |
| 4-3 | 4-4 | 9-3  | 9-4  |   |   |   |   |  |  |
| 5-1 | 5-2 | 10-1 | 10-2 |   |   |   |   |  |  |
| 5-3 | 5-4 | 10-3 | 10-4 |   |   |   |   |  |  |

Front view

## Wall-mounted installation\*



Wall-mounted installation effect picture

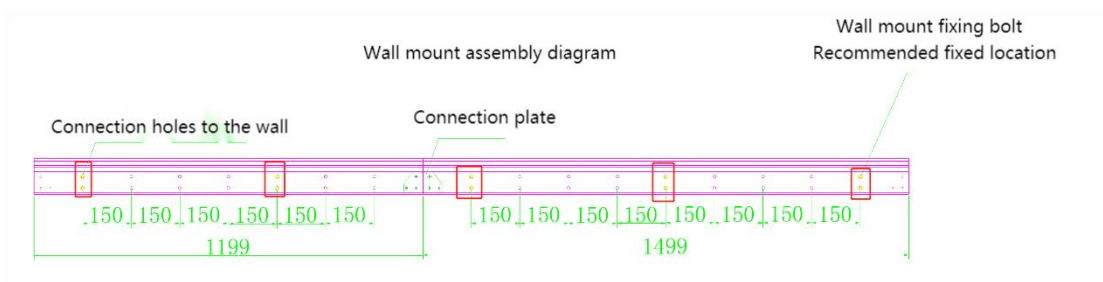
\*The following installation steps are all based on the 135-inch product as an example

### Installation steps:

According to the on-site environment, combined with the height of the large screen from the ground, determine the drilling positions of the upper and lower wall mounts. To ensure horizontal alignment, a spirit level is required;

The upper wall mount and lower wall mount are respectively composed of wall mount 1 and wall mount 2, connected by connectors. Six M6\*10 countersunk head screws are used to fix the connectors.

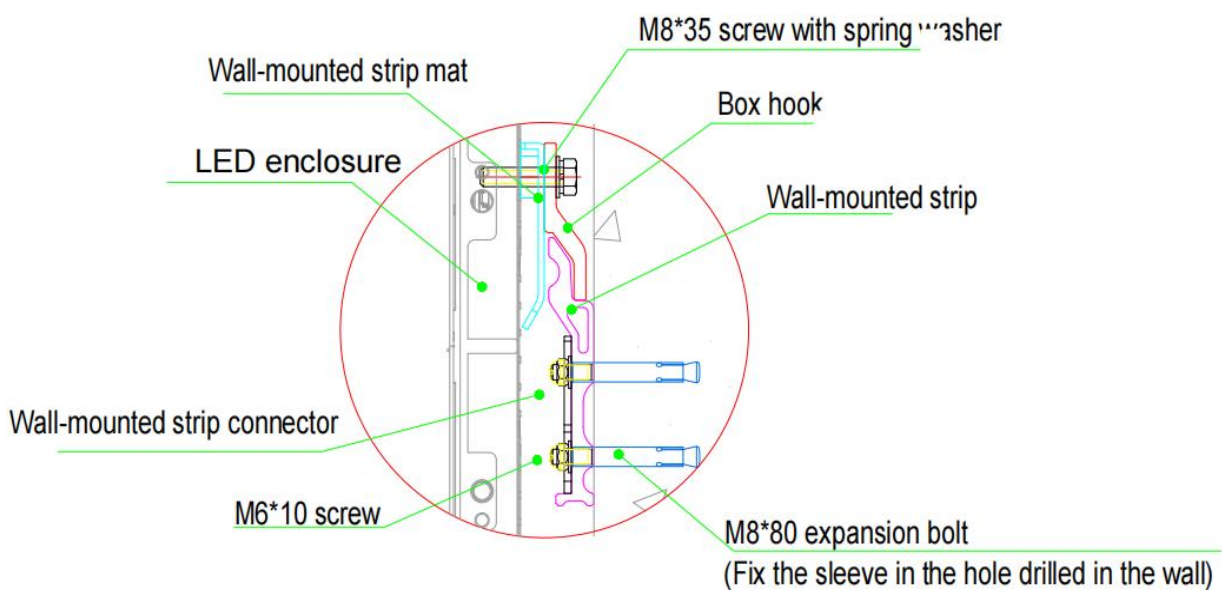
The drilling hole positions for wall mount 1 and wall mount 2 are as shown in the diagram;



- 1) Mark the appropriate hole positions on the wall and drill holes at the marked points using a tool, with each hole having a diameter of 10mm.
- 2) Use M8\*80 expansion bolt for installation at the corresponding hole position, as shown in the figure below;

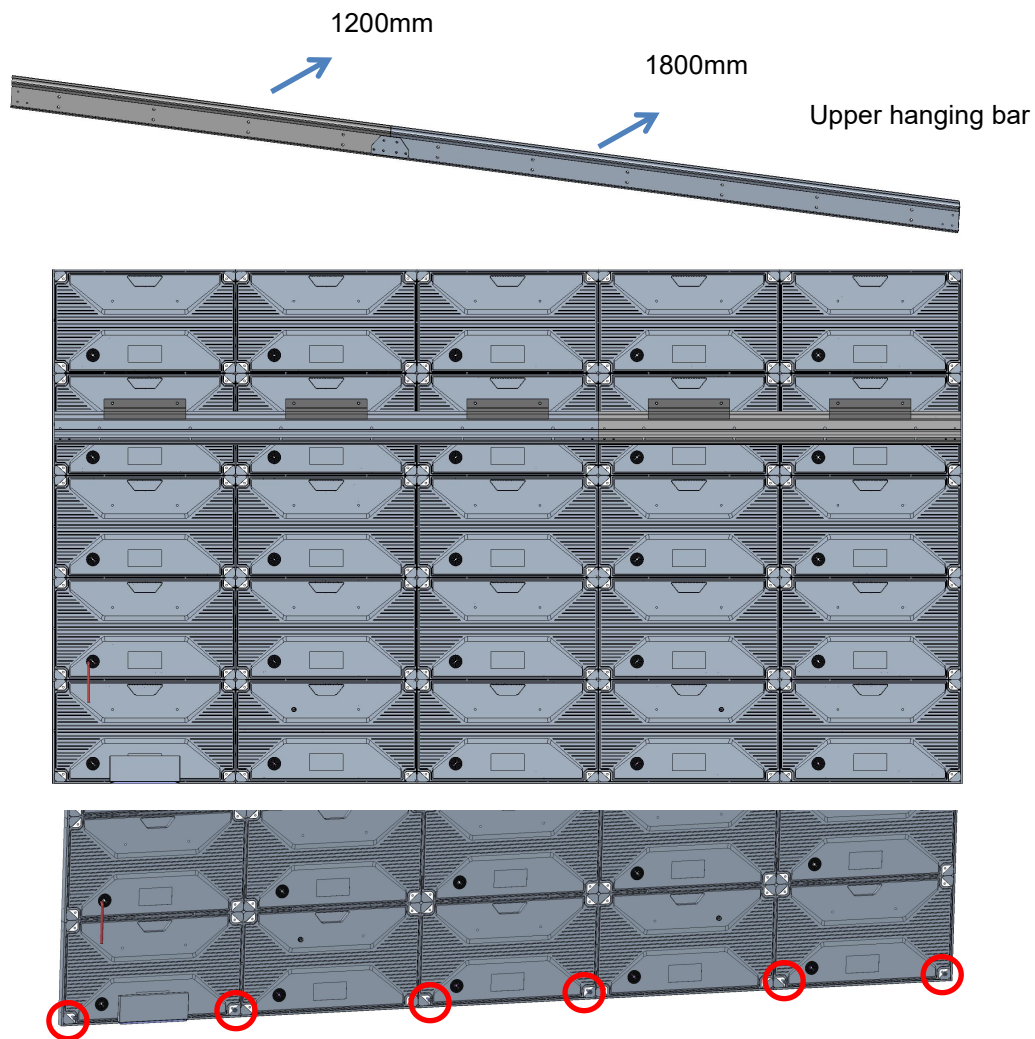


- 3) Side sectional view of the installed wall mount;



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4) The front view of the installed wall mounts is as shown in the figure below:



Fix it on the back of the box with M8X40 round head hex socket screws to keep the screen vertical to the wall.

- 5) Check if the wall mount is installed properly, by determining:
- if it is level;
  - if the distance between the upper and lower wall mounts is correct.

You can check and adjust using the following methods:

- 6) Use a spirit level to measure if the wall mount is level. If it is not level, adjust it by loosening the expansion bolts, gently push it to be level by hand, then tighten the bolts.

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7) Use a tape measure to check if the distance between the upper and lower wall mounts is correct. If it is incorrect, adjust it by loosening the expansion bolts, lightly pushing to adjust the distance by hand, and then tightening the bolts.

8) Install the cabinets according to the installation steps of those for the floor standing installation.

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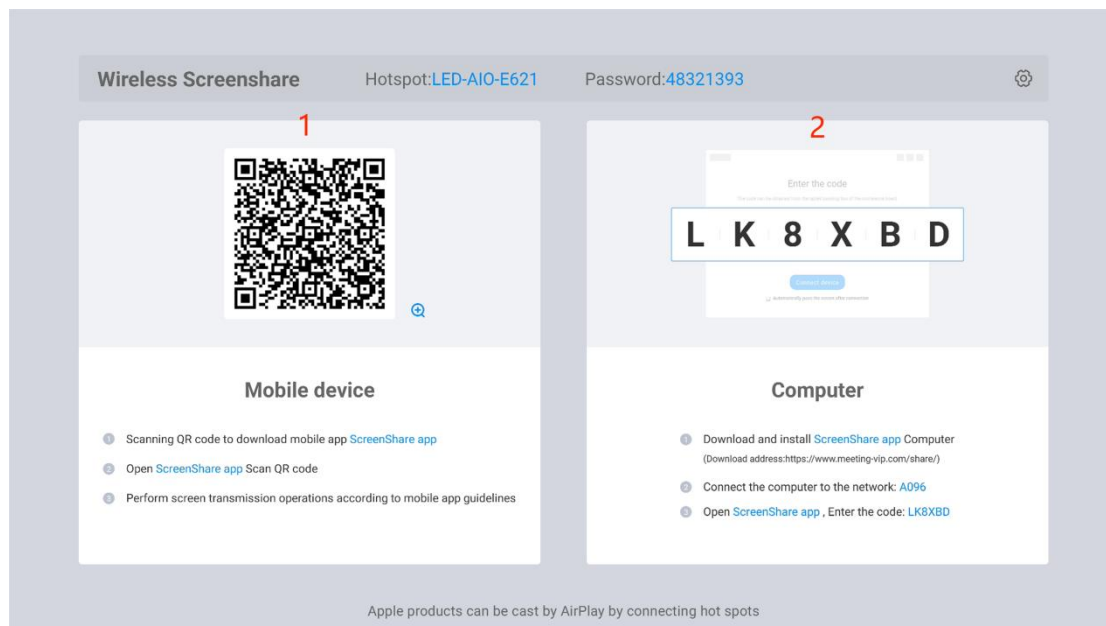
## III. Function Introduction

### 1. Main interface



- (1) Wireless screen mirroring, by a screen mirroring device, or a screen mirroring assistant;
- (2) File browser, enter memory management file;
- (3) Settings: Open the settings menu;
- (4) Input source, open input source menu.

## 2. Wireless screen mirroring



### (1) Mobile APP

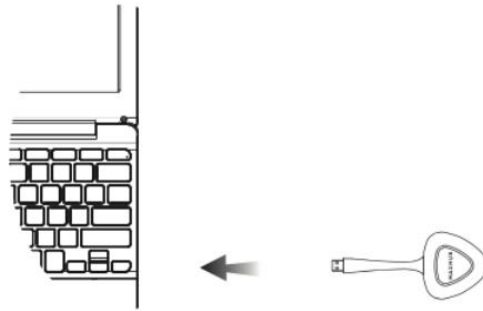
- ① Connect to the screen mirroring hotspot;
- ② For Android users, scan the QR code to download the MaxConfig mobile app. In the app, find the [Screen Mirroring] module for screen mirroring (Refer to the MaxConfig Mobile App User Manual).
- ③ Apple devices use Airplay for screen mirroring.

### (2) Computer client

- ① When using it for the first time, you need to connect the wireless screen mirroring device to the USB port of the large screen for pairing, then remove it after successful pairing;



- ② Connect the wireless screen mirroring device to a computer with a PC system and run the screen mirroring program;

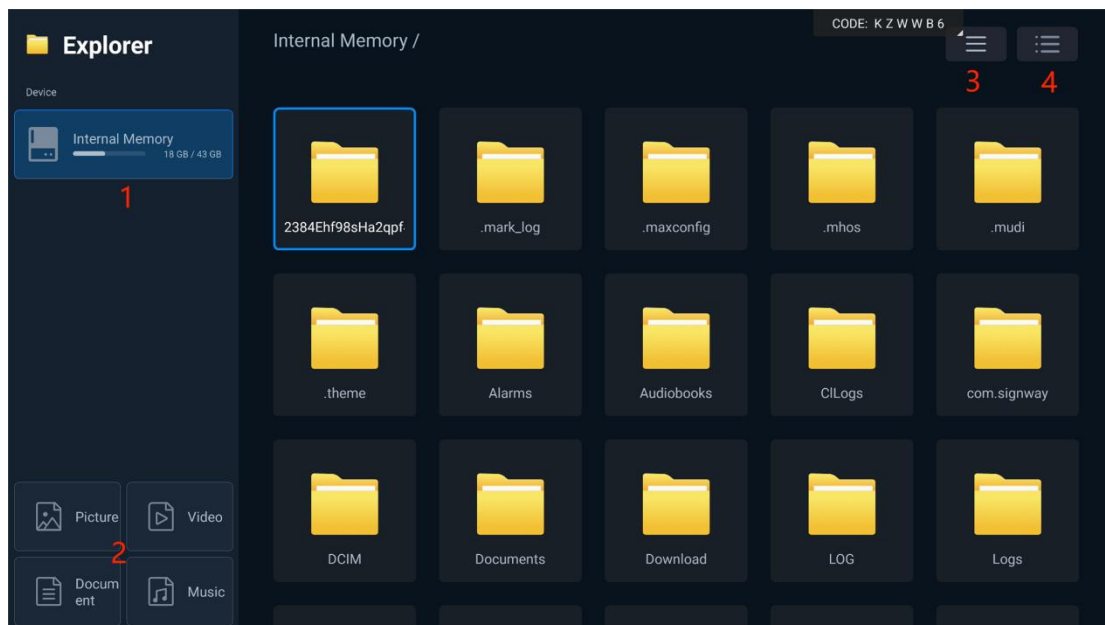


③ After the program runs successfully, press the wireless screen mirroring device to achieve screen mirroring.

### (3) Mac Airplay

- ① Connect to the device hotspot via WiFi on your MAC system phone or computer, and enter the password to connect to the hotspot;
- ② Use the Airplay feature in the MAC system for screen mirroring.

## 3. File Explorer

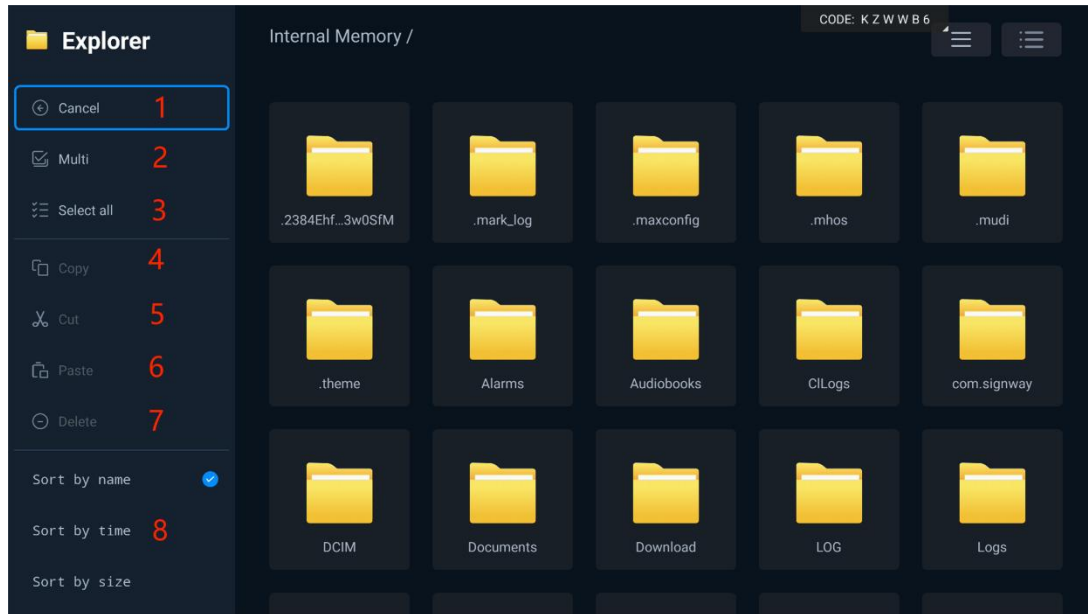


File Explorer Homepage

(1) File explorer: allow users to browse and operate files.

- Display mounted USB drive
- File browsing by category (Pictures, Videos, Documents, Music)

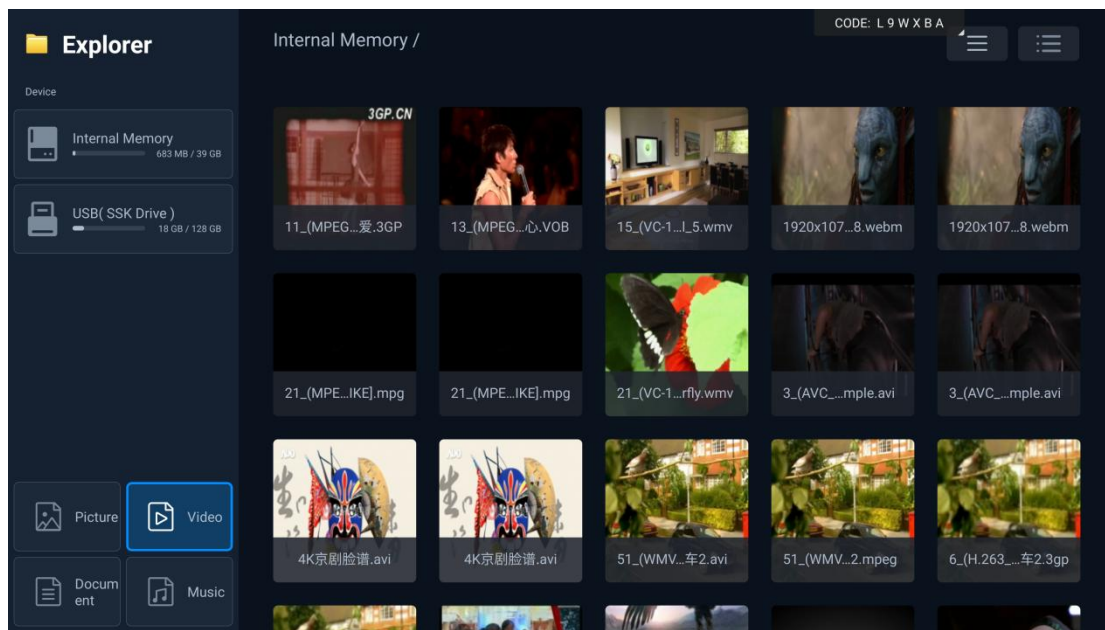
- Switch file display mode
- Open menu



File Explorer Menu

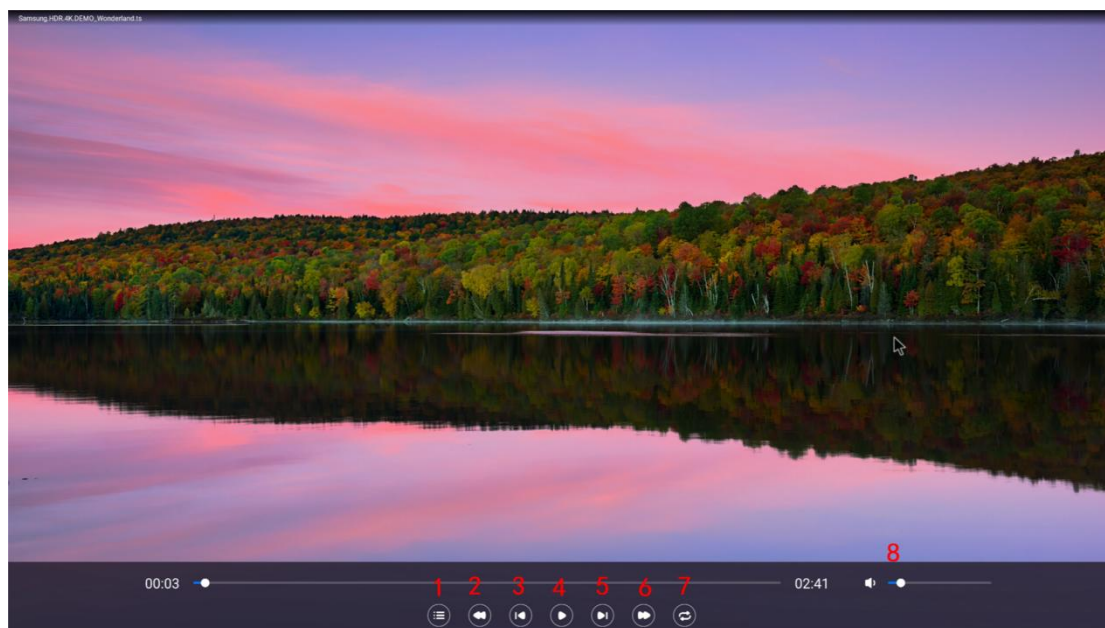
- ① Cancel: Cancel operation
- ② Multi-select: You can select multiple files at the same time for operation
- ③ Select all: Select all files
- ④ Copy: Copy files
- ⑤ Cut: Cut files
- ⑥ Paste: Paste files
- ⑦ Delete: Delete files
- ⑧ Sort: Support sorting files by name, time, size.

## (2) Videos



Video file list

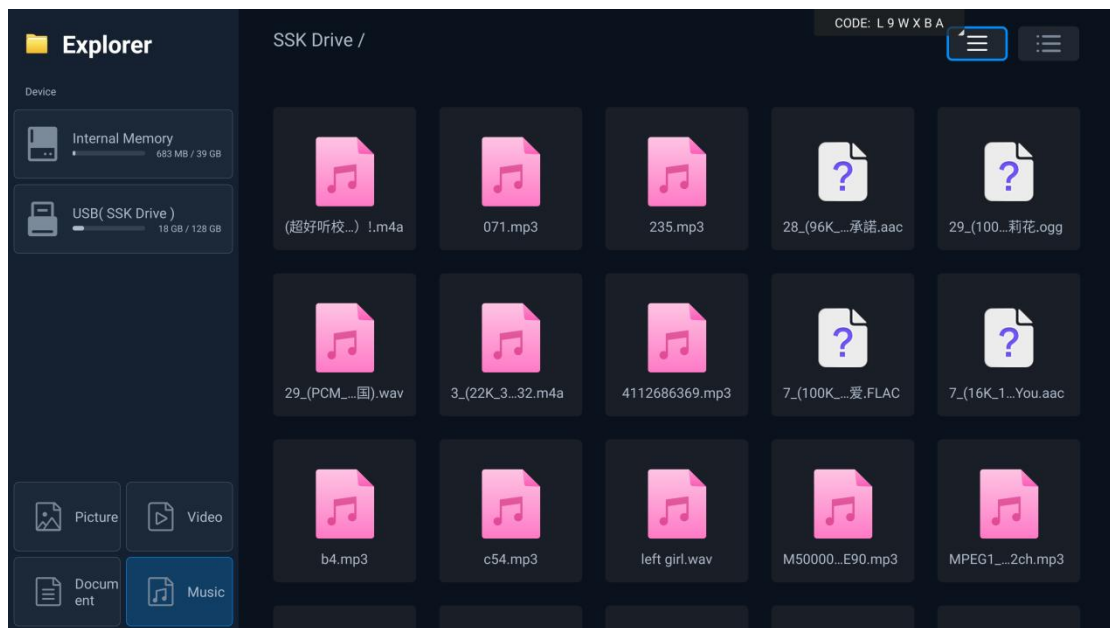
- ① Click on the corresponding disk to view all video files on the disk
- ② Click on a video file to play it



Video Playback Interface

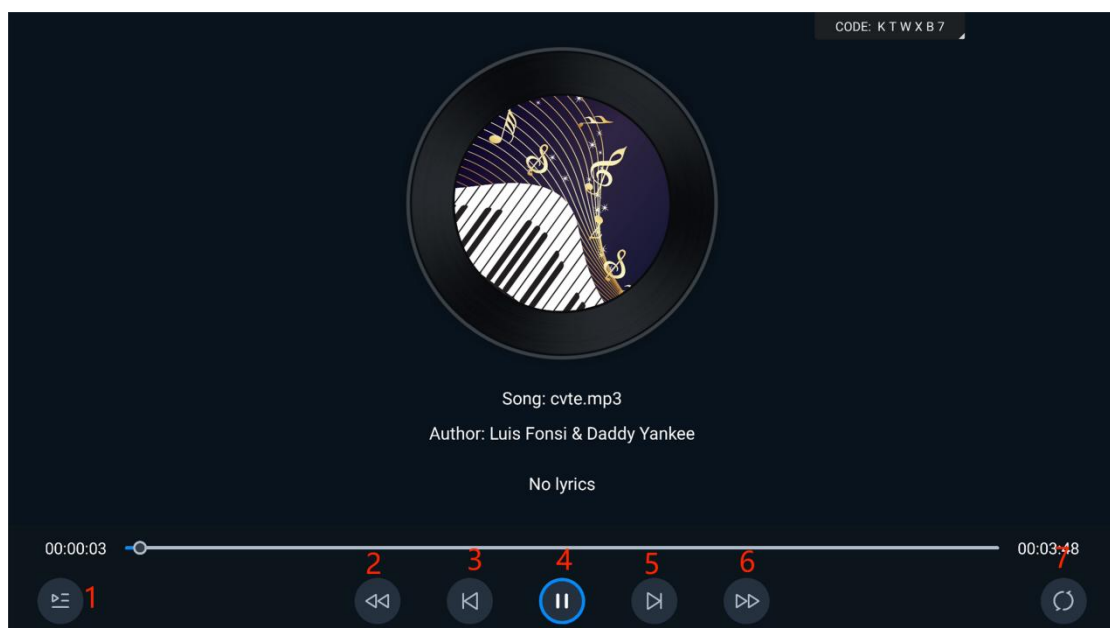
- |             |                  |              |               |
|-------------|------------------|--------------|---------------|
| 1: Playlist | 2: Fast backward | 3: Previous  | 4: Play/Pause |
| 5: Next     | 6: Fast forward  | 7: Play mode | 8: Volume     |

### (3) Music



Music file list

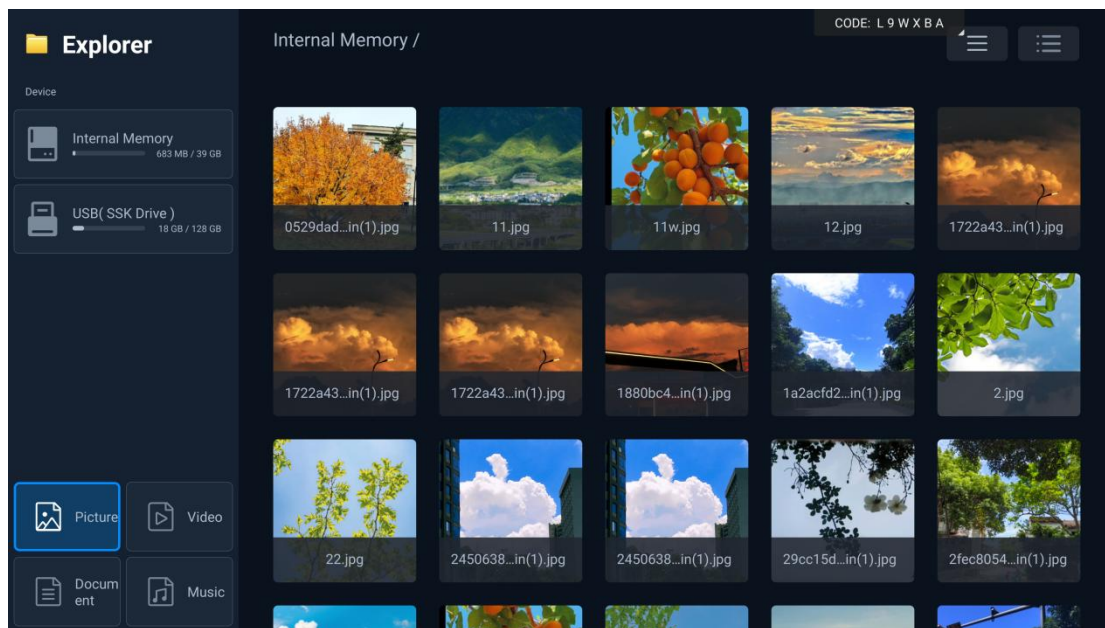
- ① Click on the corresponding disk to view all music files on the disk
- ② Click on a music file to play it



Music Playback Interface

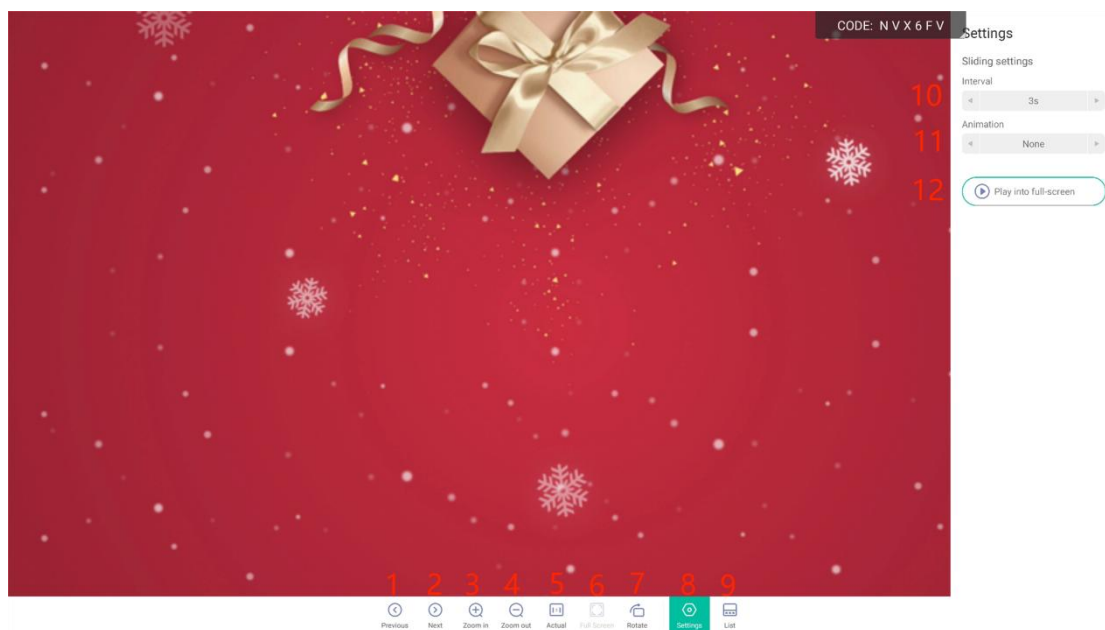
- |             |                  |              |               |
|-------------|------------------|--------------|---------------|
| 1: Playlist | 2: Fast backward | 3: Previous  | 4: Play/Pause |
| 5: Next     | 6: Fast forward  | 7: Play mode |               |

## (4) Gallery



Picture file list

- ① Click on the corresponding disk to view all picture files on the disk
- ② Click on a picture file to view it in full screen



Picture Preview

- |                |                  |                    |              |
|----------------|------------------|--------------------|--------------|
| 1:Previous     | 2:Next           | 3:Zoom in          | 4:Zoom out   |
| 5:Actual       | 6:Fullscreen     | 7:Rotate clockwise | 8:Settings   |
| 9:picture list | 10:Time interval | 11:Animation mode  | 12:Auto-play |

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## IV. Function Menu Introduction

Access the menu using the remote control or the options button on the control panel:



### 1. Brightness



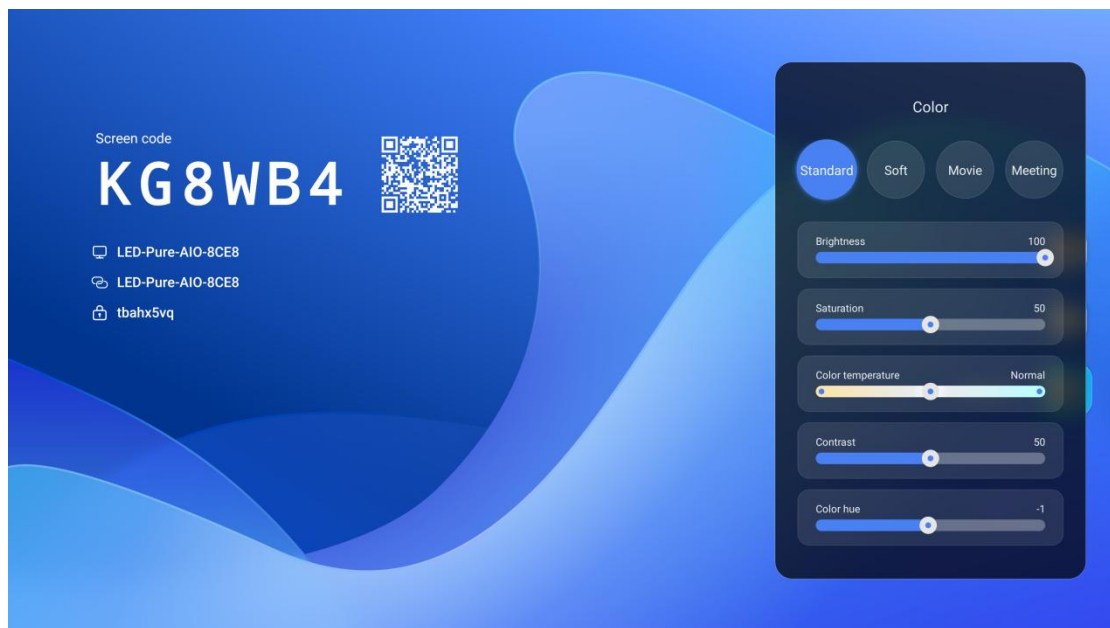
Open the brightness adjustment box, you can adjust the brightness value using the "Up and down arrow keys"

## 2. Volume



Open the volume bar, you can adjust the sound volume using the "Up and down keys".

## 3. Color



Open the color adjustment menu, where you can switch between scene modes and adjust brightness, saturation, color temperature, contrast, and tint.

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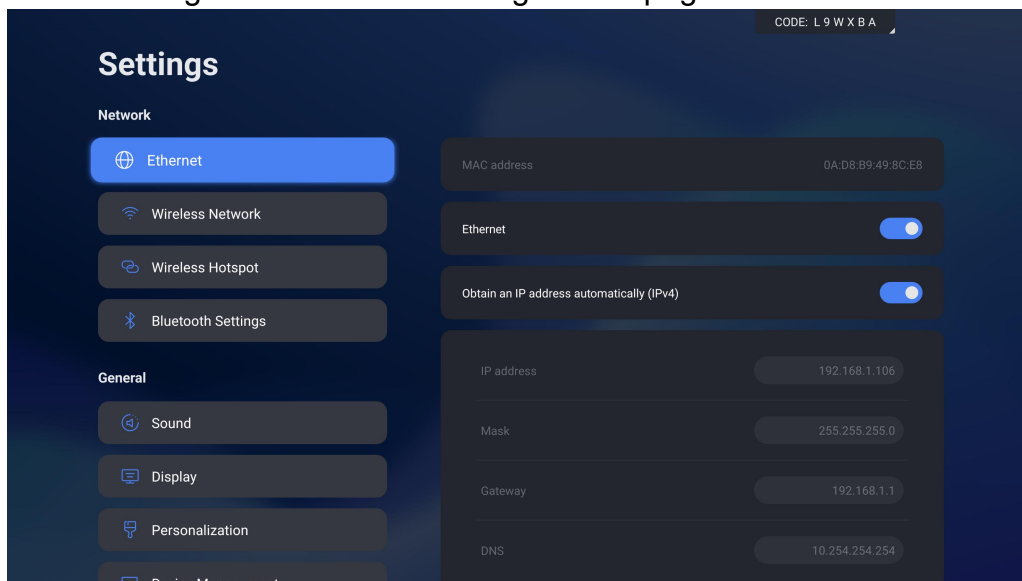
## 4. Input source

Open input menu: Switch input source.



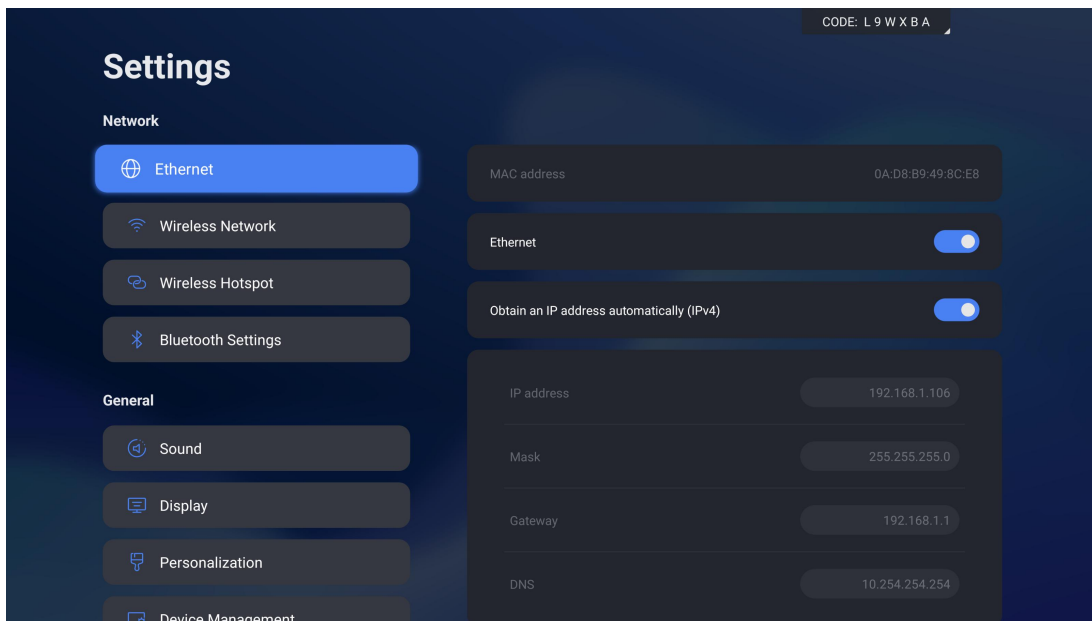
## V. Menu Introduction

Click on "Settings" to access the settings menu page.

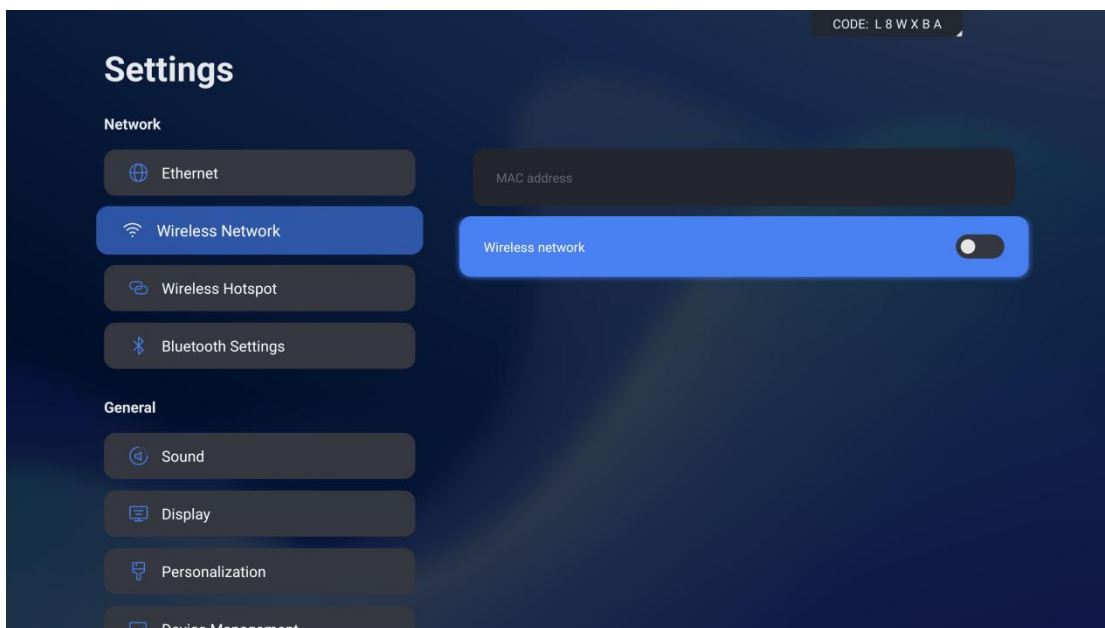


### 1. Network

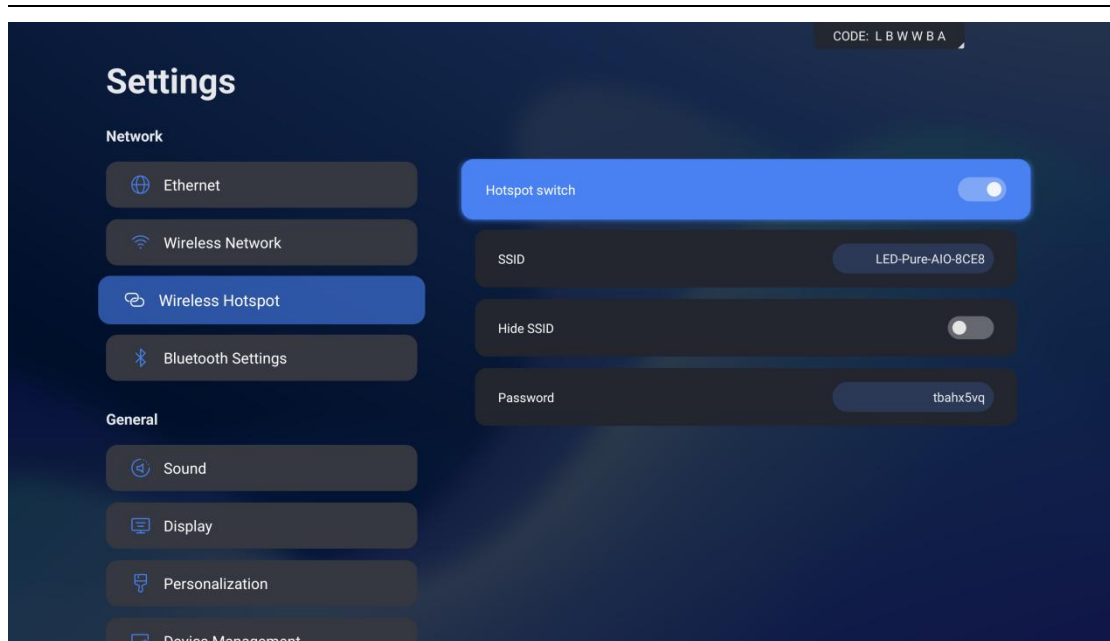
(1) Ethernet: Wired network switch: Turn on or off the wired network.



(2) Wireless Network: Turn on the wireless network to automatically search for available networks, click on a network to connect.

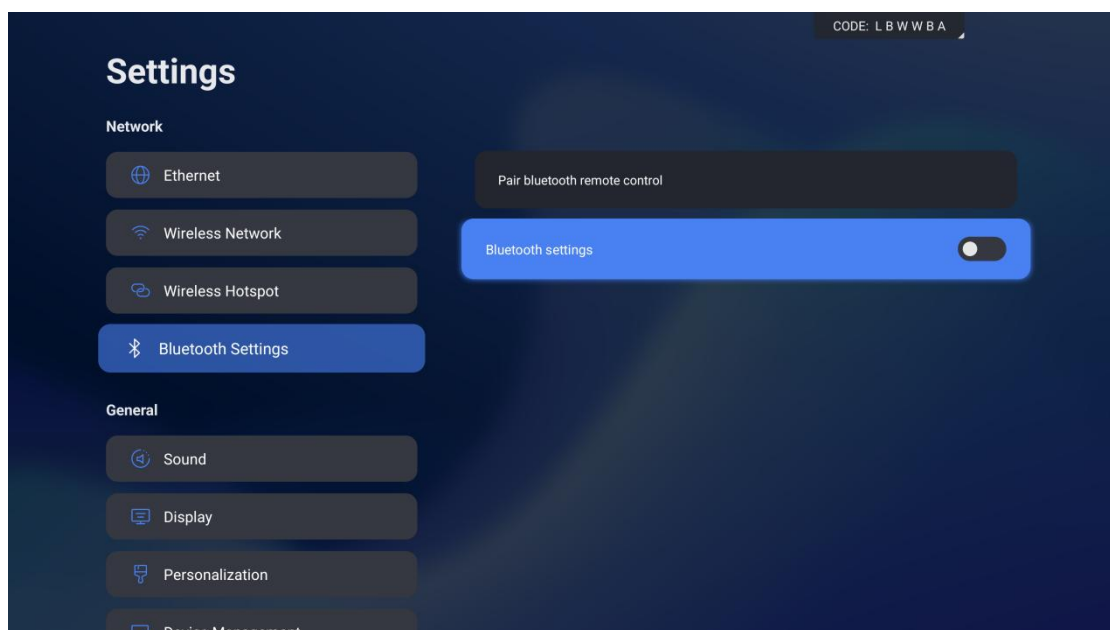


(3) Wireless Hotspot



- ① Hotspot Switch: Turn the hotspot on or off.
- ② SSID: Change hotspot name.
- ③ Hide SSID: Show/Hide hotspot. When the hotspot is hidden, it is actually turned on, but other devices will not be able to detect it.
- ④ Enter password: Change password.

(4) Bluetooth Settings: Turn on or off Bluetooth;

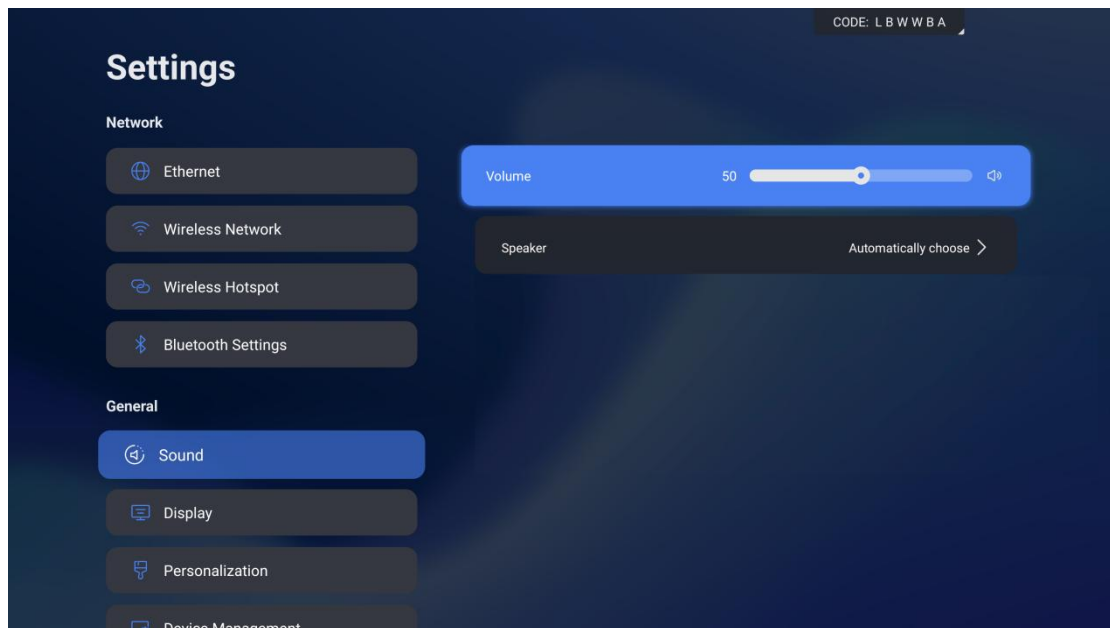


After turning on Bluetooth, you can connect to Bluetooth devices within the search range.

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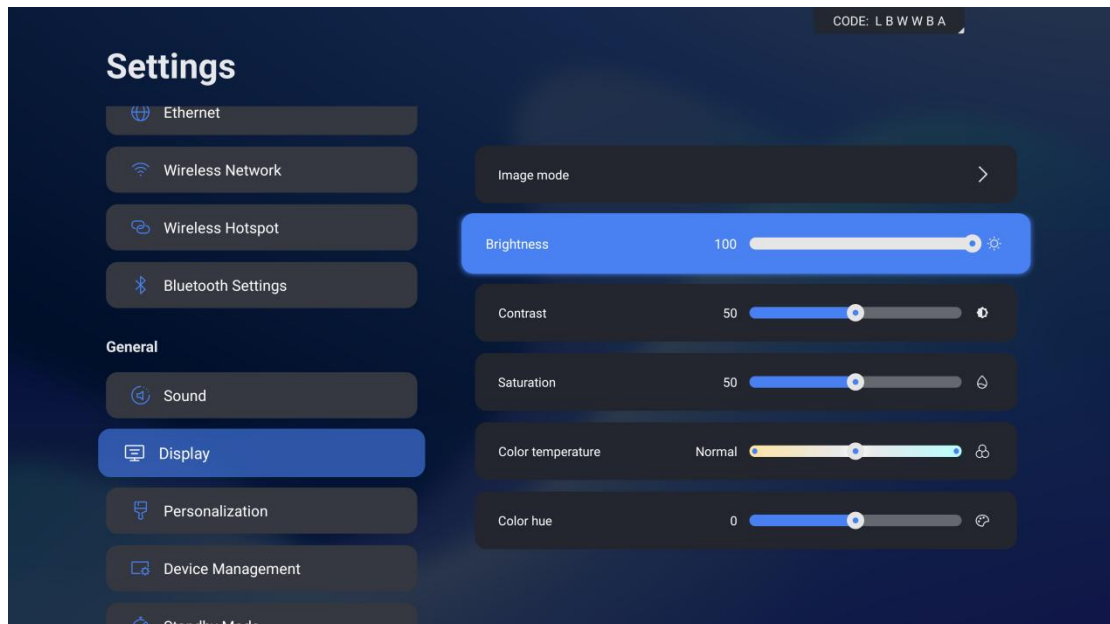
## 2. General

### (1) Sound



- ① Volume: Adjust the volume level.
- ② Speaker: Selecting the corresponding device can specify where the sound is output from.

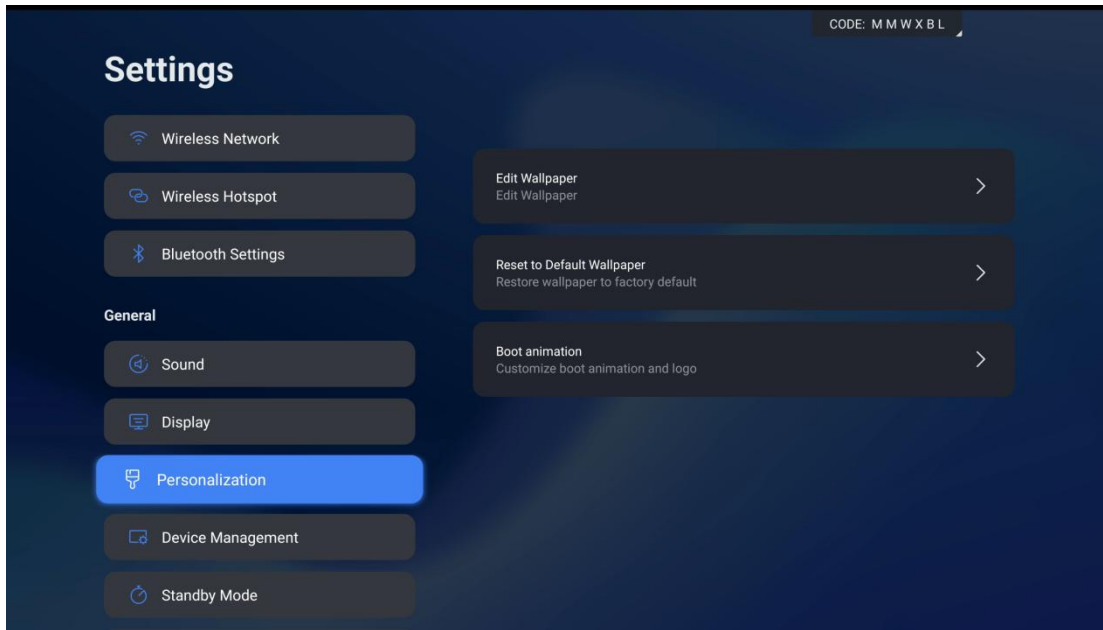
### (2) Display



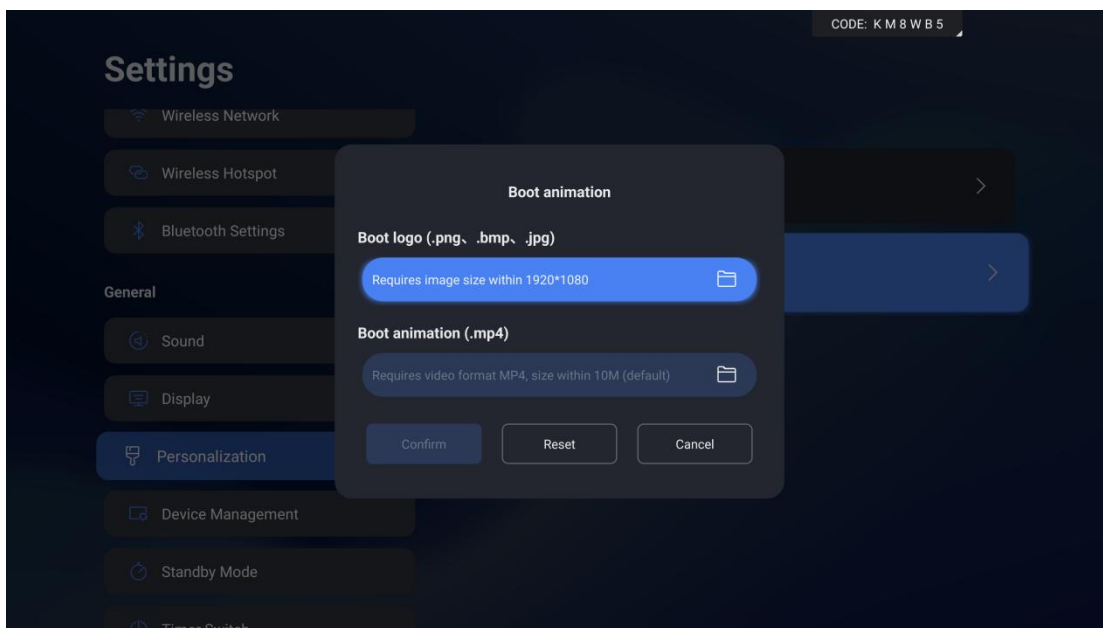
- ① Image mode: Set image mode.
- ② Brightness: Set brightness.
- ③ Contrast: Set contrast.

- 
- ④ Saturation: Set saturation.
  - ⑤ Color temperature: Set color temperature.
  - ⑥ Color hue: Set color hue.

### (3) Personalise

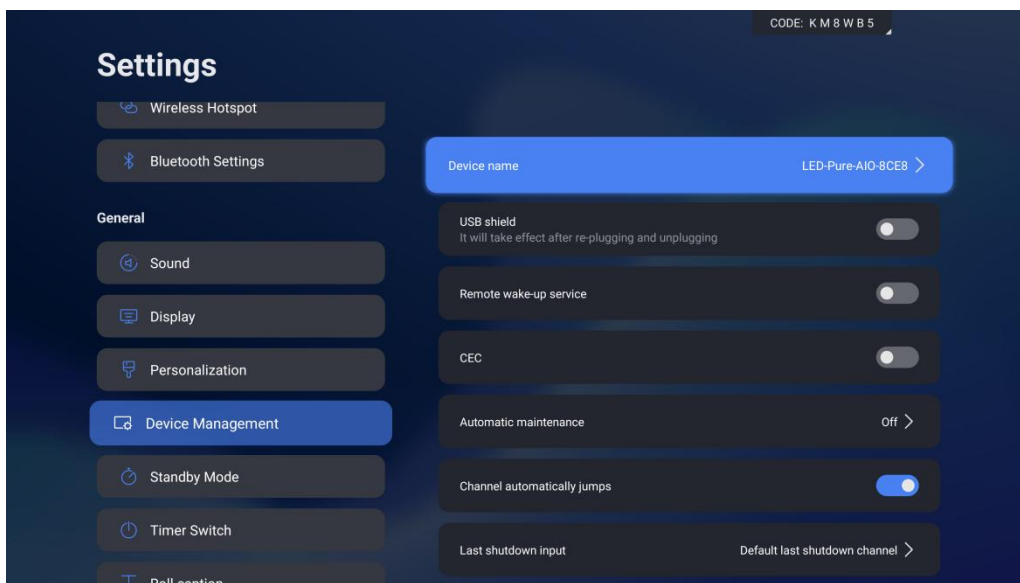


- ① Edit wallpaper: Set wallpaper.
- ② Reset to default wallpaper: Reset to default wallpaper.

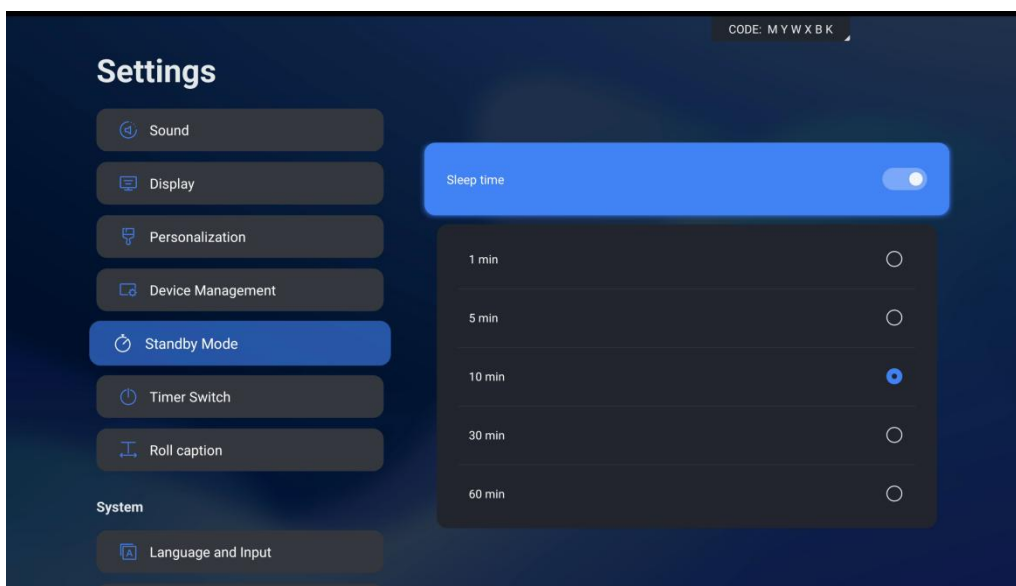


- ③ Boot animation: Set power-on logo and power-on animation.

### (4) Device Management



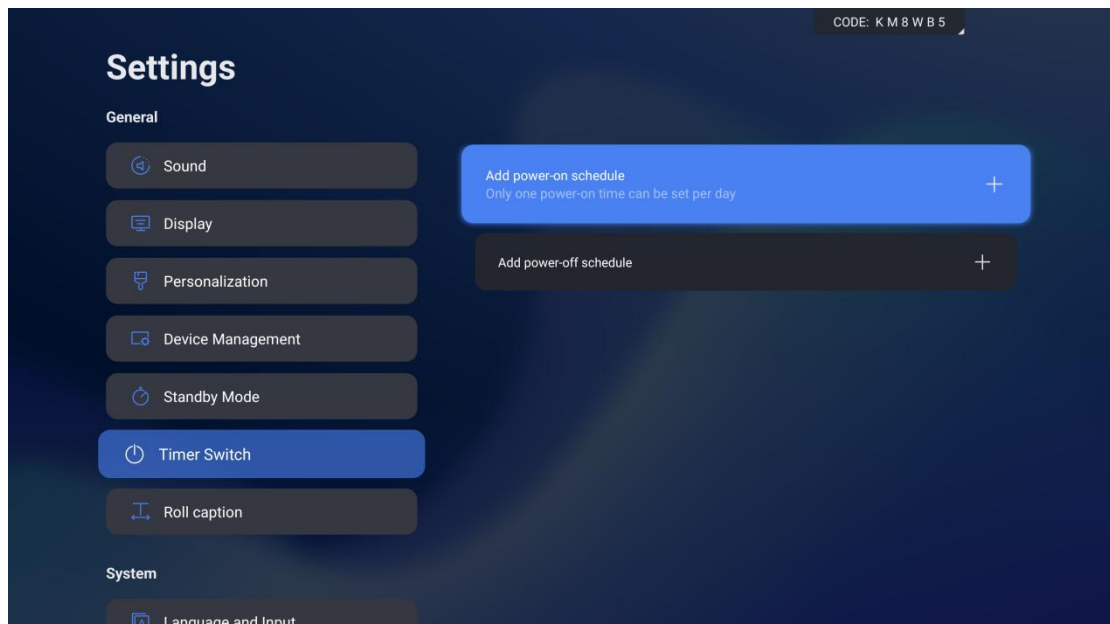
- ① Device Name: Custom equipment name.
  - ② USB shield: Set whether USB devices should be loaded.
  - ③ Remote wake-up service: Turn on/off the remote wake-up service.
  - ④ CEC: HDMI CEC switch.
  - ⑤ Automatic maintenance: The integrated machine performs regular dehumidification maintenance.
  - ⑥ Channel automatically jumps: Turn on/off channel auto-jump.
  - ⑦ Boot fixed channel: Set the signal source displayed when power on.
- (5) Standby mode: Set to enter sleep mode.



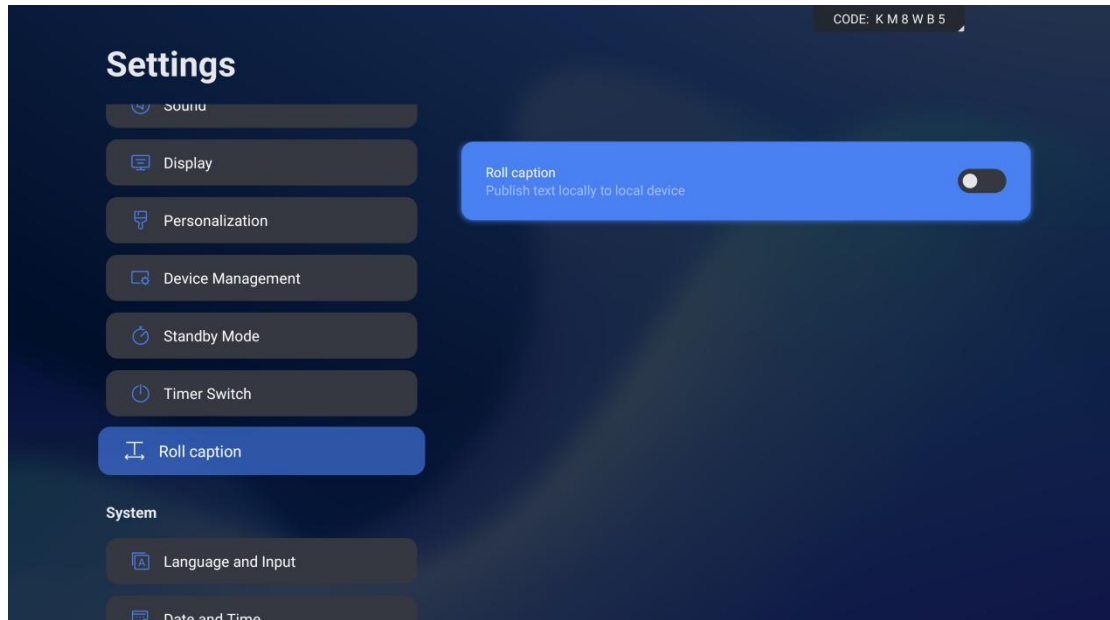
- ① Sleep time: Choose whether to enter sleep mode based on usage

habits.

(6) Timer Switch: Set the scheduled power on/off according to actual usage needs.



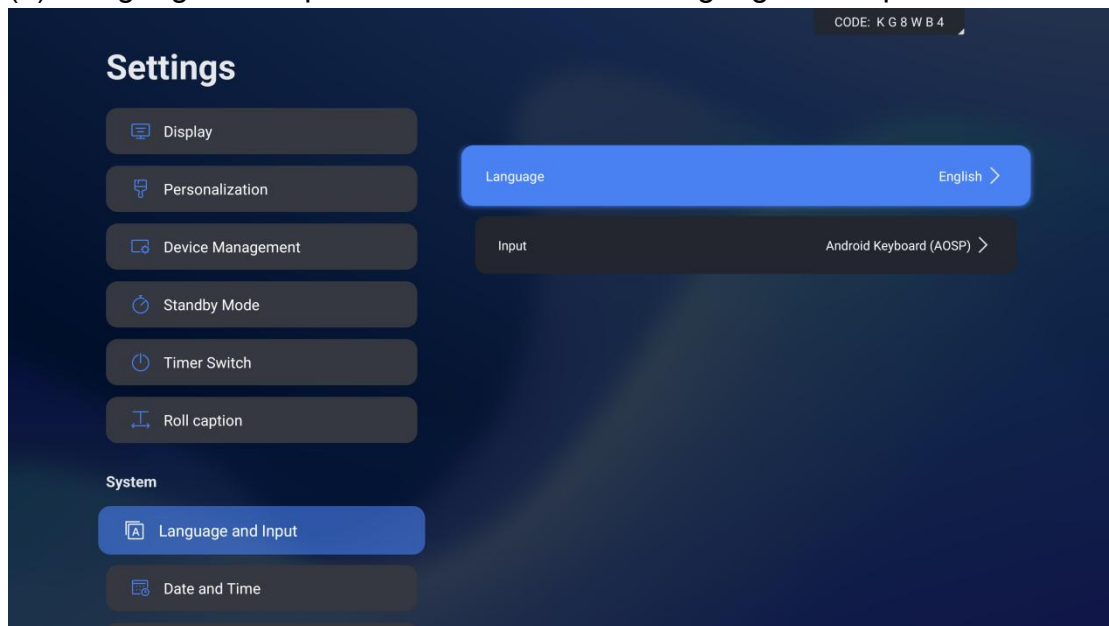
(7) Roll Caption: Set the scheduled power on/off according to actual usage needs.



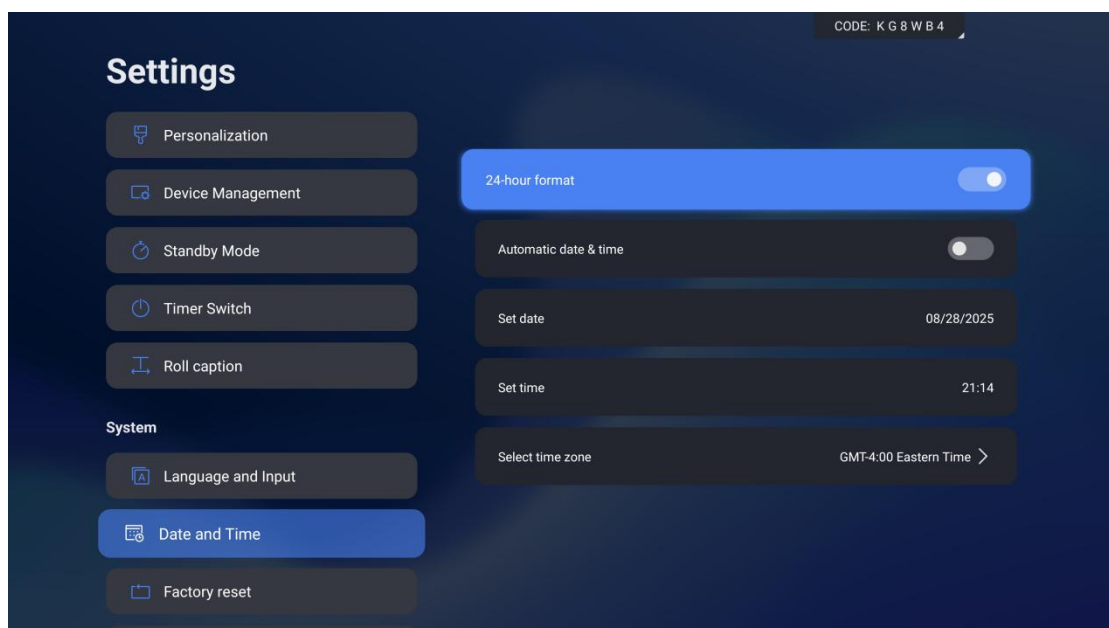
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### 3. System

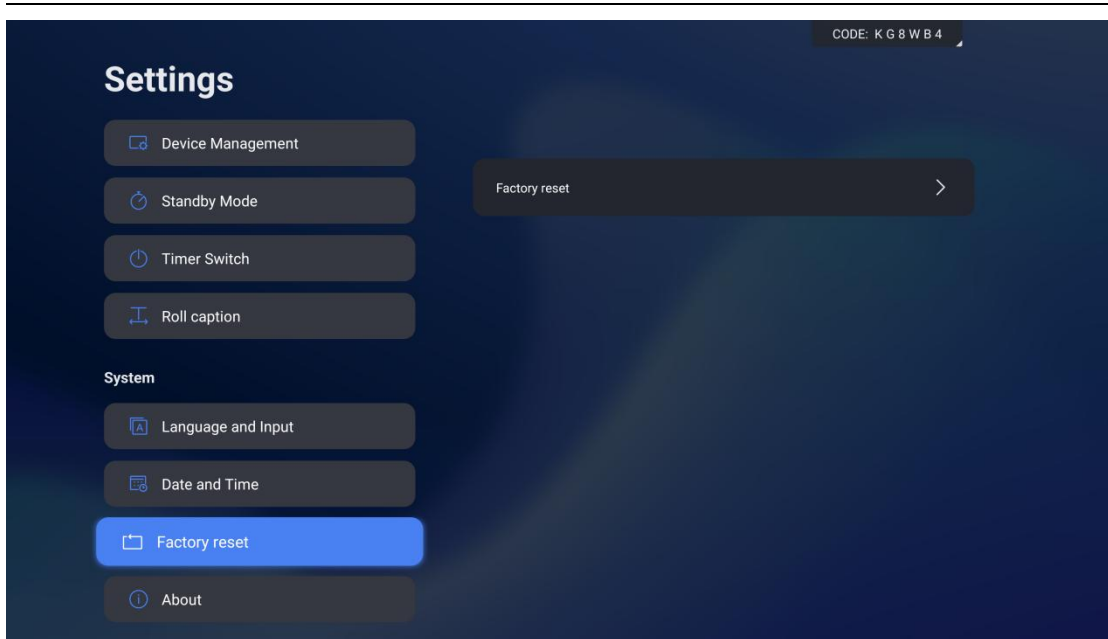
(1) Language and Input: You can choose the language and input method.



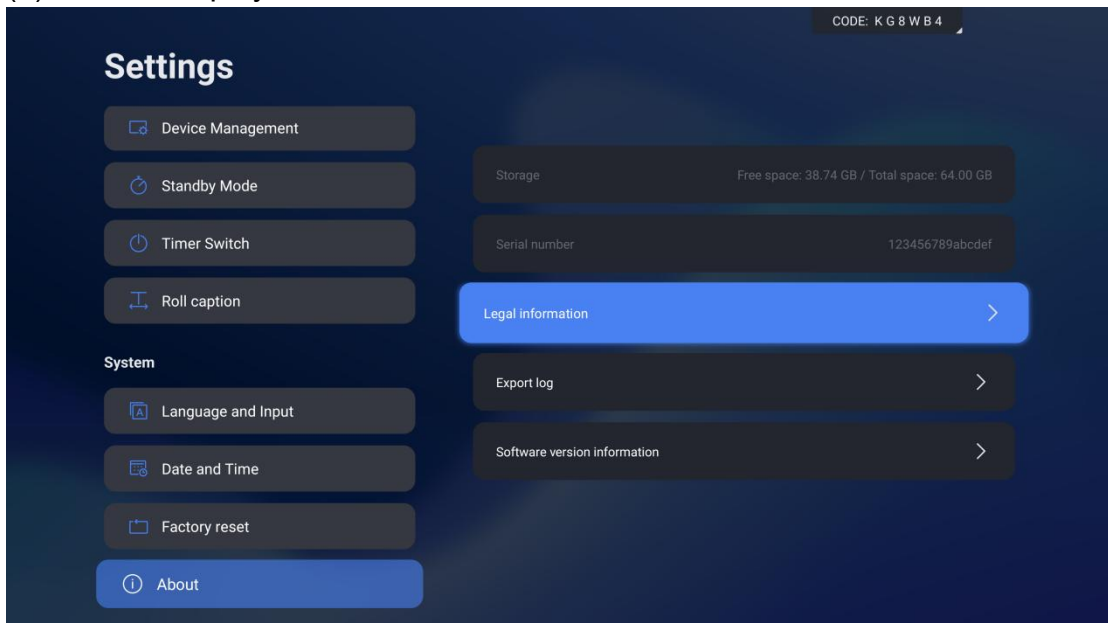
(2) Date and Time: You can reset the time and date.



(3) Restore: Clear all data in the device



(4) About: Display device related information



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## **VI.Quick Troubleshooting**

### **(1) Part of the display is not lit after power on**

1>Check whether the Ethernet cables inside the cabinets are in good contact;

2>Check whether the power cables inside the cabinets are in good contact.

### **(2) Wireless screen mirroring not working**

1>Check if the wireless screen mirroring device is securely inserted;

2>Check if the wireless screen mirroring device is paired. To pair, insert the wireless screen mirroring device into the USB port of the integrated machine, wait for the prompt, and confirm the successful pairing;

3>Check if the computer has the required driver software installed. If the screen mirroring device is inserted into the computer's USB port and automatic installation doesn't occur, manually go to "My Computer", locate the drive corresponding to the screen mirroring device, and double-click to install the driver.

### **(3) Indicator light is not on**

1>Check whether the power supply is normal;

2>Check whether the power switch of the system is turned on.

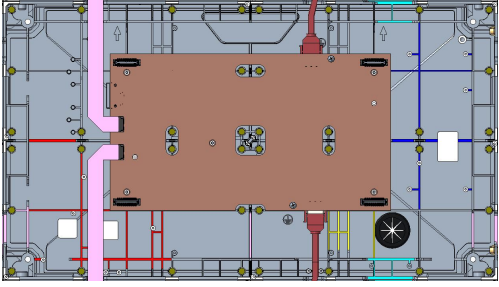
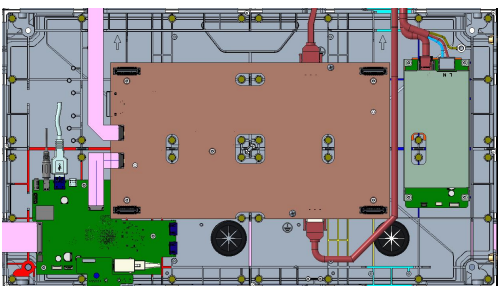
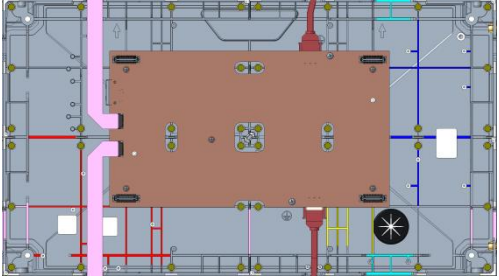
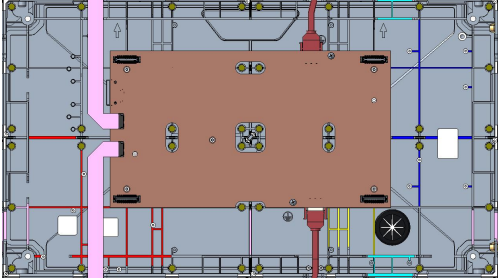
### **(4) No image on the display after connecting its to the computer with HDMI cable**

1>Check whether it is currently on HDMI channel;




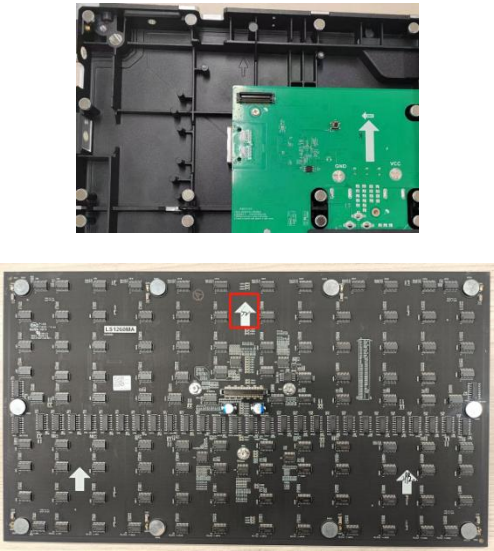
2>Check whether the HDMI cable on the system and the external computer falls off or is defective.

## VII. Parts Replacement

### (1) 2-in-1 board replacement

| Steps  | Illustration   | Method  |
|--------|--|---|
| Step 1 |    | Find out the position of the faulty cabinet and remove all LED panels |
| Step 2 |   | Disconnect the power cable, FFC cable                                 |
| Step 3 |  | Remove the 10 screws on the 2-in-1 board                              |
| Step 4 |  | Take out the faulty 2-in-1 board and replace it with a new one        |

**(2) LED panel replacement**

| Steps  | Illustration  | Method  |
|--------|---|---|
| Step 1 |    | <p>Find the specific location of the faulty light panel and stick the front maintenance tool directly below the light panel</p> |
| Step 2 |    | <p>After the tool sticks to the light panel, take it out in a parallel direction</p>  |
| Step 3 |   | <p>Hold the lamp panel with all your palms and rotate the maintenance tool to leave from the lamp panel surface</p>             |
| Step 4 |  | <p>Please ensure that the assembly direction of the lamp panel is consistent with the arrow direction</p>                       |

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## **IX. Special Statement**

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