

# Integrated LED Display



All pictures contained herein are provided for information only.

## Product Operation Manual

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## Warning!

Failure to pay attention to the warnings herein can very likely result in the device being damaged and becoming unrecoverable.

- 1) Do not place the device upside down or throw it during transportation and storage;
- 2) Do not tilt or scratch the device during installation;
- 3) Do not expose the device to water;
- 4) Do not point the air outlet of the air conditioner close to the display when letting out the air;
- 5) DO not place or use the display in an environment with volatile, corrosive, or combustible chemicals;
- 6) Do not use the device in an environment with humidity above 80% or outdoors when it is raining;
- 7) Do not clean the device with water or chemical solutions;
- 8) Always use electrical accessories certified by the device manufacturer;
- 9) Make sure that the display and its auxiliaries are correctly and reliably grounded prior to use;
- 10) Cut off the power supply and contact a technical professional upon discovery of any abnormality, including any unusual smell, smoke, power leakage, or abnormal temperature;
- 11) The device is supplied with two output sockets, both of which shall be disconnected so as to disconnect the power supply from the device.
- 12) Connect to a 100-240V AC power supply.

## Caution!

Failure to pay attention to the cautions herein can very likely result in failure to obtain the optimal display effect.

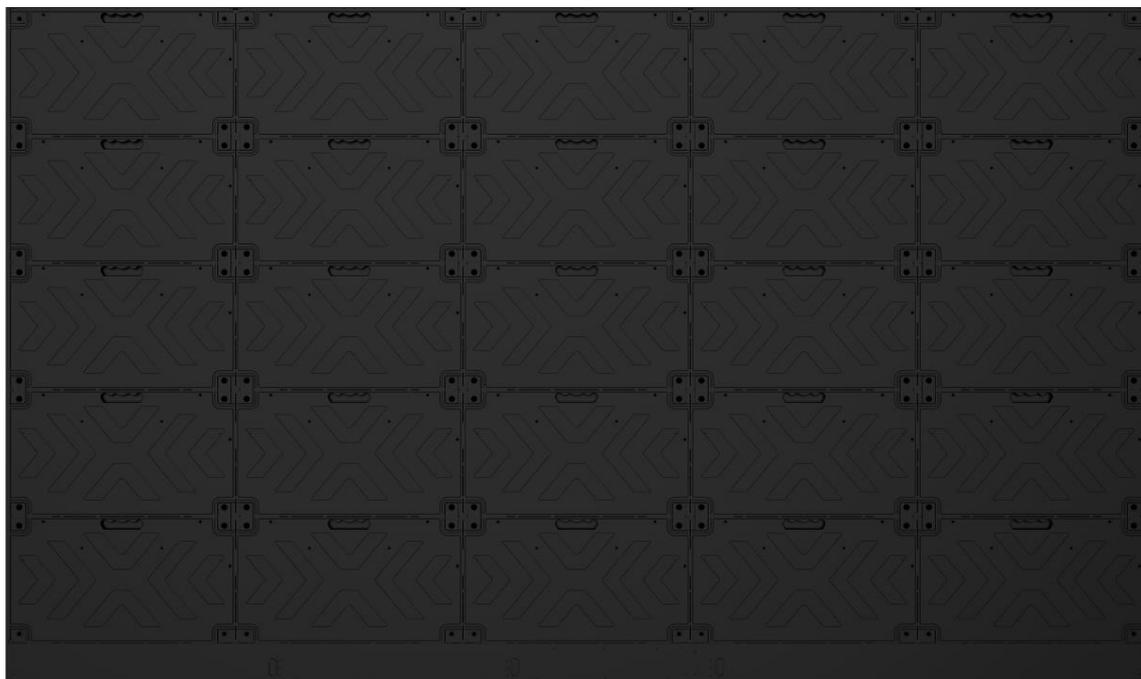
- 1) Wear anti-static gloves and anti-static bracelets when installing or repairing the product;
- 2) Make sure that the air on the back of the display will flow smoothly when designing a heat dissipation solution;
- 3) Make sure that the display is kept in a dry, well-ventilated environment with humidity not exceeding 85%;
- 4) Make sure that the display is powered on at least twice a week for a period of at least two hours each time under normal conditions;
- 5) Installation of the display near the sea, in a saline area or an area containing sulfur gases, or a location with high indoor-outdoor temperature difference may result in failure to and affect the service life of the device. Please consult our technical professionals where this is unavoidable.

# I.Product Introduction

## (1) Product appearance



Front



Back

\*The back of the product is illustrated for the 138-inch product as an example.

## (2) Keys and interfaces



SN	Description	SN	Description
1	Light sensibility	8	1.Brightness reduction key under brightness adjustment mode; 2.Down/Minus key under menu call-up mode
2	IR	9	1.Brightness increase kry under brightness adjustment mode; 2.up/plus key under menu call-up mode
3	Type C port	10	standby/Wake-up key
4	USB 3.0 port	11	Bi-color indicator lamp (red/blue)
5	USB 2.0 port	12	HDMI input port (toward bottom)
6	Menu call-up key (incl. brightness, color temperature, contrast, sound, signal source, and test mode	13	3.5mm audio output port(toward the bottom)

	sub-menus)		
7	Menu call-up key (incl. brightness, color temperature, contrast, sound, signal source, and test mode sub-menus)	14	Built-in 2*30W stereo that supports 2.0 channels

## Remote control

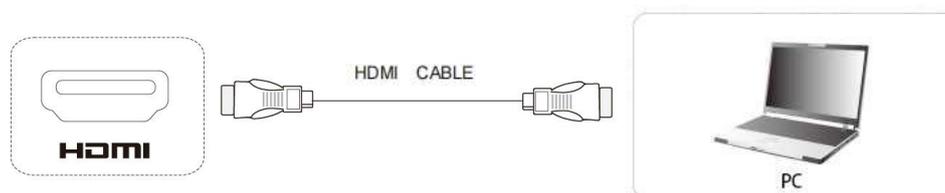
Icon	Description
	Standby/Wake-up
	Up
	Down
OK	Enter
	Left
	Right
+	Volume +
-	Volume -
	Return
	Brightness adjustment
	Menu
	Home screen



#### (4) Interface

The number of ports and type of the device are subject to the real product received. Our description here is for illustration only.

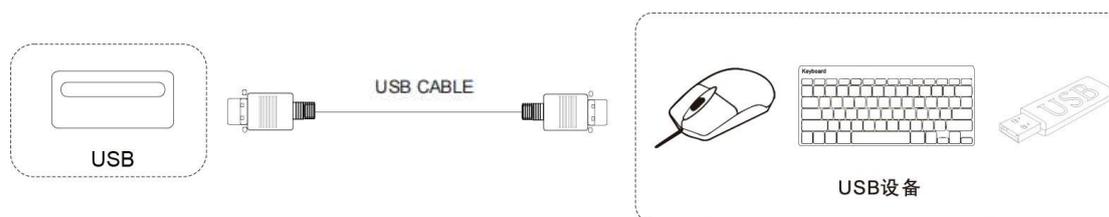
##### Connect HDMI input



##### How to connect:

1. Use a HDMI cable to connect to your computer or other device having HDMI output;
2. Press the channel switch key (on the machine or remote control) to switch to the HDMI display channel.

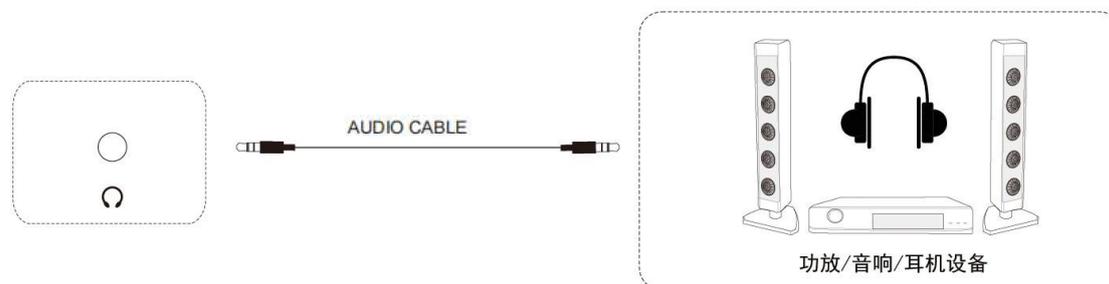
##### USB input/TYPE-C input



##### How to connect:

1. Connect the USB disk, mouse and keyboard to the USB / type-C interface;
2. The mouse and keyboard can be directly used after they are connected to the USB/TYPE-C interface;
3. To view the contents of the USB disk, enter the explorer on the system home screen and read the file.

##### Output video signals



##### How to connect:

1. Connect one end of the audio cable to the 3.5mm audio output port and the other end to the amplifier, stereo, headphone and other devices;
2. You may use the remote control to control the volume of the audio sound outputted.

## II. Product Installation

### (1) Installation environment

- 1> For wall mounting, the wall should be a load-bearing structure. Installation on special wall structures such as glass, marble, porcelain, or hollow walls may result in additional cost as these structures cannot bear the weight of the product and may need special installation processes.
- 2> The installation is limited to punching the load-bearing wall, hanging, or mounting on a vertical bracket; any special installation such as wall reinforcing or steel structure installation will be subject to additional cost calculated as actually incurred;
- 3> We assume no responsibility for any potentially hazardous installation designated by you despite advice of our installer; nor shall we be held liable for any damage to any other item caused by your use of any non-MAXHUB standard/proprietary hanging bracket.

### (2) Structure installation

- 1> Bracket mounting\*



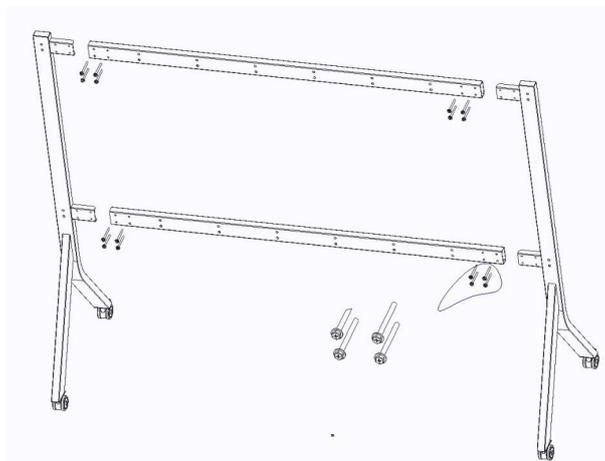
Bracket mounting

\*The installation descriptions below are provided for the 138-inch product as an example.

Installation procedure:

Step 1: Assemble the bracket

1) Find the parts according to the parts breakdown of the bracket assembly, as illustrated below:

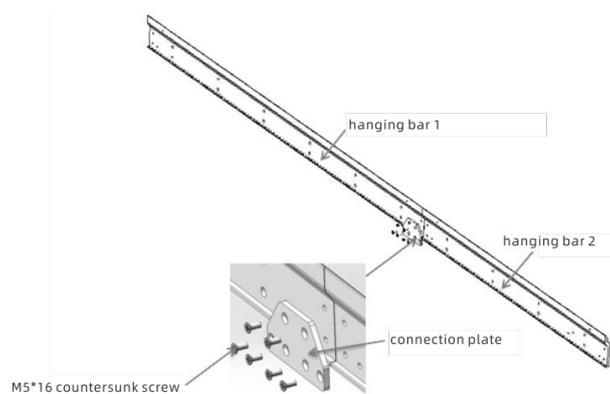


2) Tighten the installation screws with the corresponding tools. The assembled bracket is as shown below:

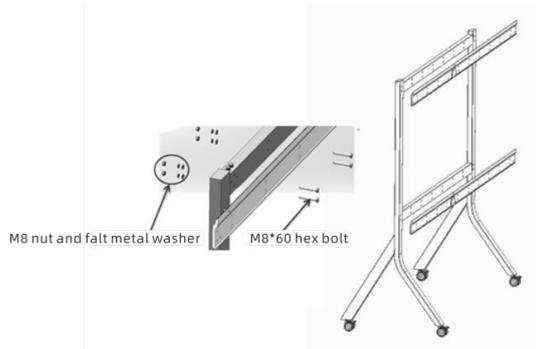


Step 2: Install the hanging bars

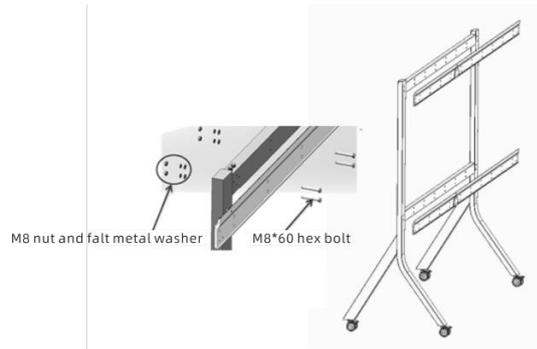
1) Select the corresponding accessories to install the hanging bars, as illustrated below:



2) Install the hanging bars on the bracket, as illustrated below:

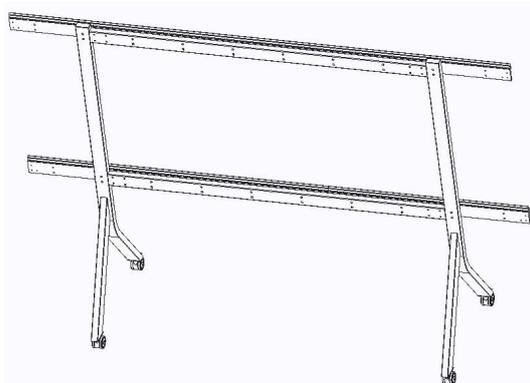


For 138/165-inch

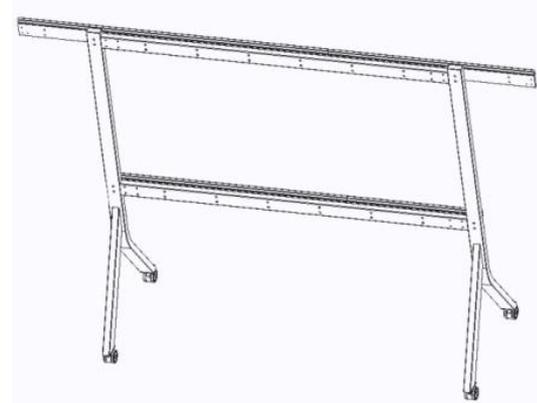


For 120/150-inch

3) The hanging bars and the bracket are assembled, as illustrated below:



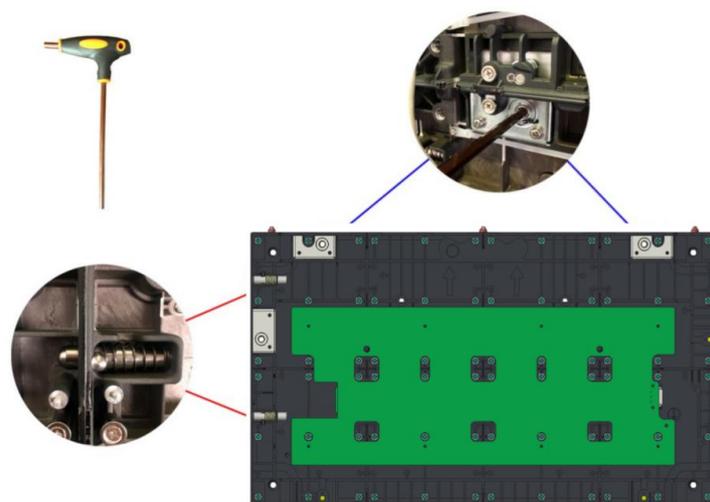
For 138/165-inch



For 120/150-inch

Step 3: Assemble the panels

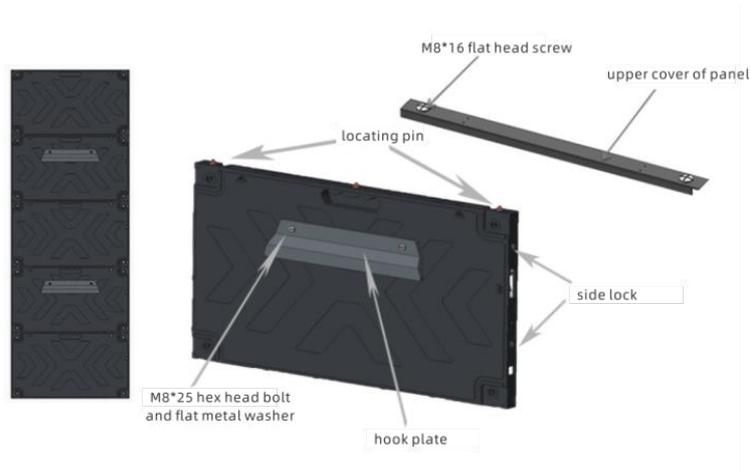
- 1) The integrated display is delivered with the panels joined into a column according to their numbers. A total of five columns are joined;
- 2) Connect the panels with a tool using hook locks on the top and bottom in the position marked in blue and spring side locks on the sides in the position marked in red, as illustrated below:



3) Install the hanging plates on the corresponding panel with two M8\*25 hex head bolts and flat

spring washers, as illustrated below:

- 4) Remove the locating pins on the top panels and the spring locating pins on the leftmost column viewed from the front. Then secure the upper edging with a cross screwdriver, as illustrated below:



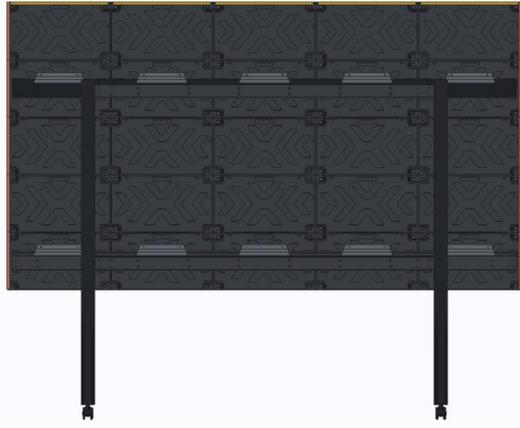
#### Step 4: Assemble the entire machine

\* Make sure that the bracket castors are tightly locked and the hanging bars are level;

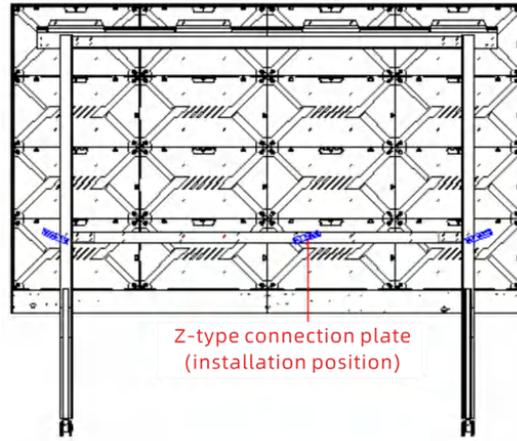
- 1) Hang the panel from center to sides. Place the hanging hook of the panel on the hanging bars of the bracket;
- 2) Install the adjacent second column so that the hanging hooks are on the hanging bars and the adjacent side planes are closely attached together. Pull out the side spring locating pin and insert the entire pin into the corresponding locating hole. Then rotate the side hook lock with the corresponding hex wrench until the panels in the left and right columns are fully locked, as illustrated below:



- 3) Install the panels in the rest of the columns, as illustrated below:



For 138/165-inch

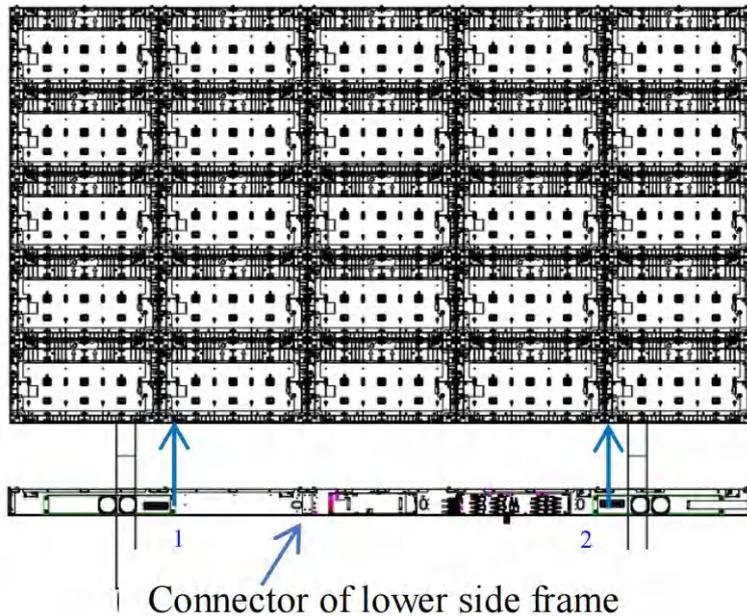


For 120/150-inch

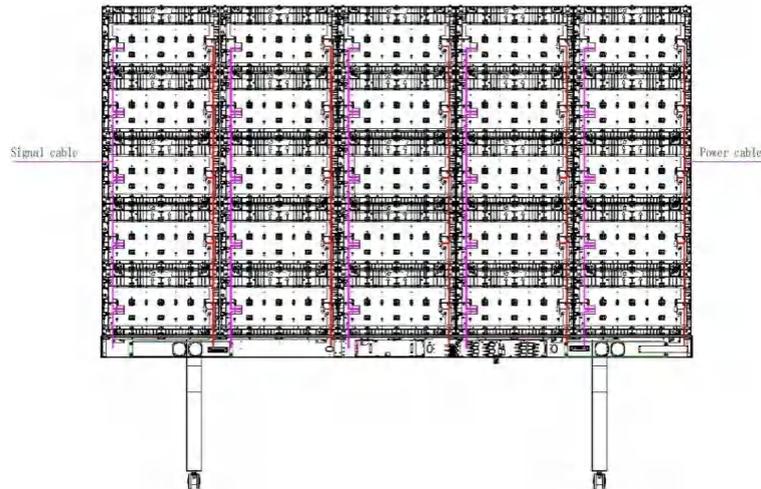
Step 5: Assemble the lower side frame

\* The lower side frame assembly is made up of lower frames 1 and 2, connected by a connecting plate;

1) The lower side frame assembly is secured on the lowermost row of panels with rotary hook locks, as illustrated below:



2) Wiring: Red indicates a five-branch power cable and purple indicates a signal cable (network cable). Connect the power and signal cables between the panels according to the diagram. Then connect the signal and power cables to the lower side frame assembly. Insert each column of the signal cables into the corresponding columns of sockets according to their respective positions only. Plug in the power cables with 3p plugin connectors according to their respective positions, as illustrated below.

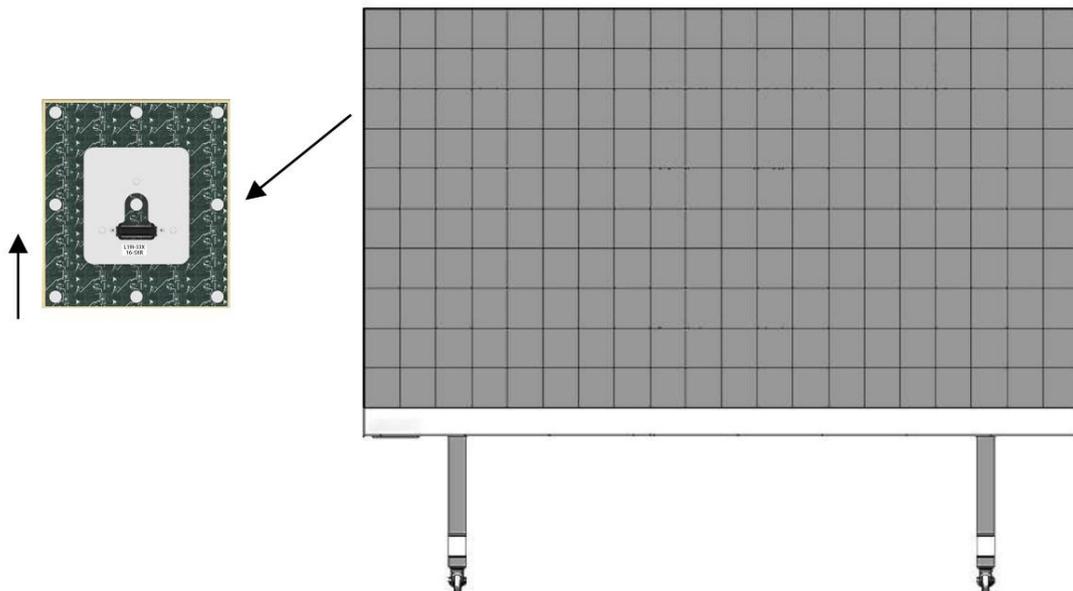


Step 6: Install the modules

\* Install the modules from left to right, from right to left, from bottom to top, or from top to bottom as appropriate for the installation environment on the site.

\* Repair any improper flatness during assembly.

1) The modules shall be hard connected with hub board and the connectors on the modules. Use the right strength and avoid forceful insertion during installation, as illustrated below:



2) Serial numbers of panels and modules. Each of the panels is delivered with a number marked on the upper right (on the inside), which represents the installation position of the panel at the time of factory correction. Each of the modules is also marked with a number (on the back). For example, in the number 16-5, 16 means the lamp board is installed in panel 16 at the time of factory correction; 5 means the position inside panel 15.



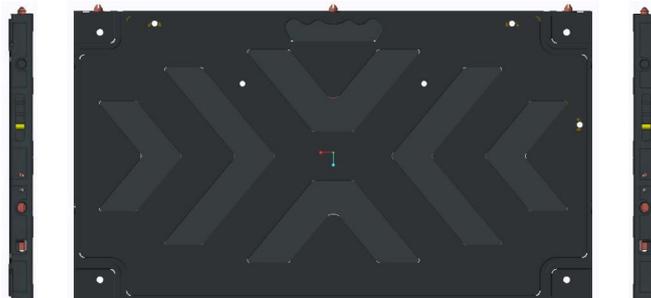
3) To achieve better display effect, you can install the modules according to their serial numbers at the time of factory correction as indicated in the diagram.

1-1	1-2	1-3	1-4	01#	6-1	6-2	6-3	6-4	11-1	11-2	11-3	11-4	16-1	16-2	16-3	16-4	21-1	21-2	21-3	21-4	21#
1-5	1-6	1-7	1-8	02#	6-5	6-6	6-7	6-8	11-5	11-6	11-7	11-8	16-5	16-6	16-7	16-8	21-5	21-6	21-7	21-8	
2-1	2-2	2-3	2-4	03#	7-1	7-2	7-3	7-4	12-1	12-2	12-3	12-4	17-1	17-2	17-3	17-4	22-1	22-2	22-3	22-4	22#
2-5	2-6	2-7	2-8	04#	7-5	7-6	7-7	7-8	12-5	12-6	12-7	12-8	17-5	17-6	17-7	17-8	22-5	22-6	22-7	22-8	
3-1	3-2	3-3	3-4	05#	8-1	8-2	8-3	8-4	13-1	13-2	13-3	13-4	18-1	18-2	18-3	18-4	23-1	23-2	23-3	23-4	23#
3-5	3-6	3-7	3-8	06#	8-5	8-6	8-7	8-8	13-5	13-6	13-7	13-8	18-5	18-6	18-7	18-8	23-5	23-6	23-7	23-8	
4-1	4-2	4-3	4-4	07#	9-1	9-2	9-3	9-4	14-1	14-2	14-3	14-4	19-1	19-2	19-3	19-4	24-1	24-2	24-3	24-4	24#
4-5	4-6	4-7	4-8	08#	9-5	9-6	9-7	9-8	14-5	14-6	14-7	14-8	19-5	19-6	19-7	19-8	24-5	24-6	24-7	24-8	
5-1	5-2	5-3	5-4	09#	10-1	10-2	10-3	10-4	15-1	15-2	15-3	15-4	20-1	20-2	20-3	20-4	25-1	25-2	25-3	25-4	25#
5-5	5-6	5-7	5-8	10#	10-5	10-6	10-7	10-8	15-5	15-6	15-7	15-8	20-5	20-6	20-7	20-8	25-5	25-6	25-7	25-8	

Front View

Step 7: Install the left, right, upper edgings and the lower side frame covers

1) The left and right edgings are clipped in the side spring locating pinhole with clips (as previously described, the spring locating pin on the leftmost of the screen should be removed and an edging should be installed), as illustrated below:



\*The letter "R" on the edging means the right edging; "L" means the left edging (as viewed from the front)

2) Install the lower side frame covers from left to right according to their respective positions indicated on the installation diagram and secure them with a cross screwdriver and M3\*8 black countersunk head screws. The installed covers are as shown below:



2> Wall mounting\*



Wall mounting

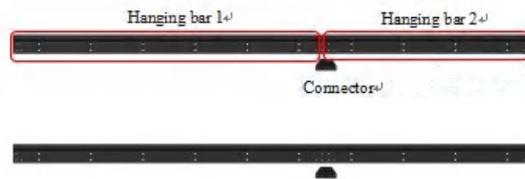
\*The installation descriptions below are provided for the 138-inch product as an example.

Installation procedure:

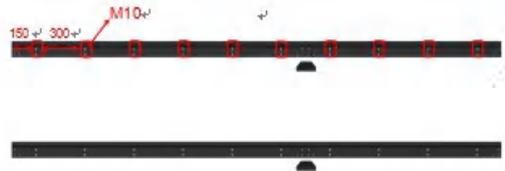
Step 1: Install the hanging bars

1) Determine the punching positions for the upper and lower hanging bars according to the site environment and the height of the screen above ground. Use a level gauge to ensure levelness;

- 2) The upper and lower hanging bars are each made up of hanging bars 1 and 2 connected by connectors. Connect the connectors with six M6\*16 countersunk head screws;



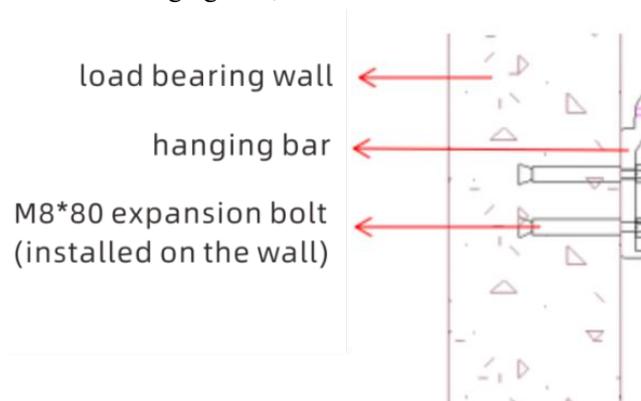
- 3) The punching positions for hanging bars 1 and 2 are as shown below:



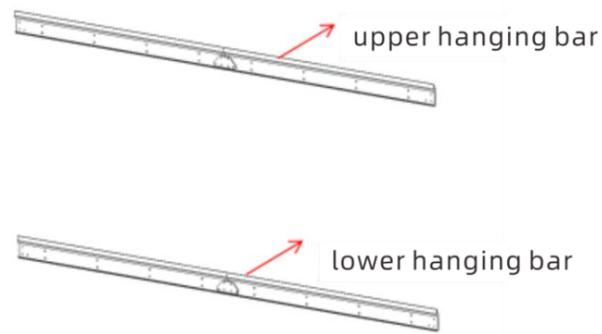
- 4) Mark the corresponding hole positions. Punch at the marked points with a tool. Each hole is sized 10 mm in diameter;
- 5) Install at the corresponding hole positions with M8\*80 expansion bolts. The expansion bolts are as shown below:



- 6) Side profile of the installed hanging bars;



- a. The front views of the installed hanging strips are as shown below:



b. Check that the hanging bars are installed properly. You need to confirm: 1) whether it is level; 2) whether the upper and lower hanging bars are properly spaced apart. You may use the following method to check and adjust:

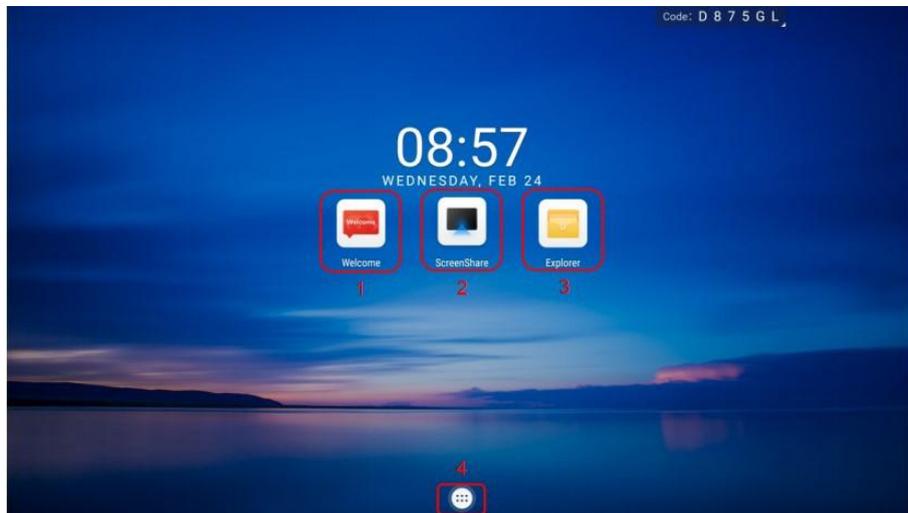
① Use a level gauge to check whether the hanging bars are level and adjust them. Loosen the expansion bolts, push the bars to level with the hand and tighten the bolts again.

② Use a tape measure to check whether the two rows of hanging bars are correctly spaced apart and adjust them. Loosen the expansion bolts, push the bars gently with the hand to fine tune the space and tighten the bolts again.

c. Install the panels by following the installation procedure described for bracket mounting of panels.

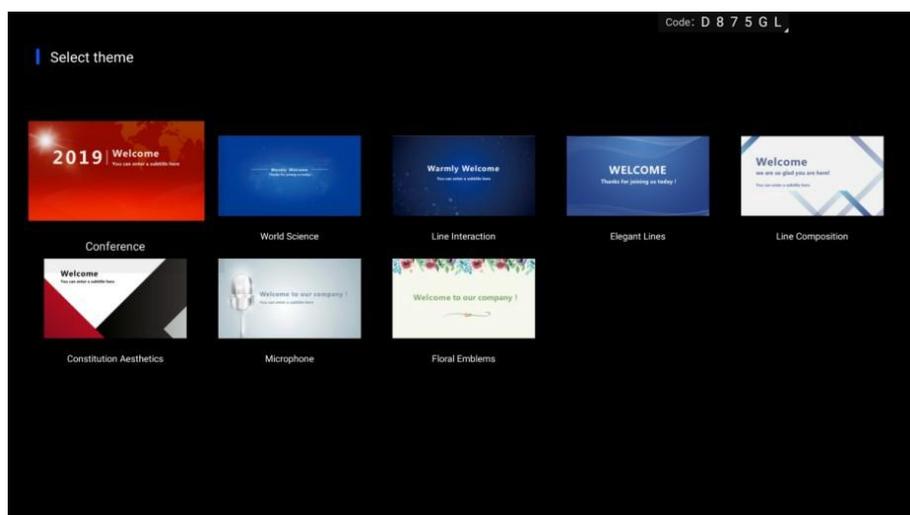
### III. Functions

#### (1) Home screen



1. Welcome, a built-in module, used to set the launch theme;
2. ScreenShare, used to enter the wireless screen share operation window;
3. Explorer, used to enter memory management files;
4. More apps, used to enter the more apps screen.

#### (2) Launch screen

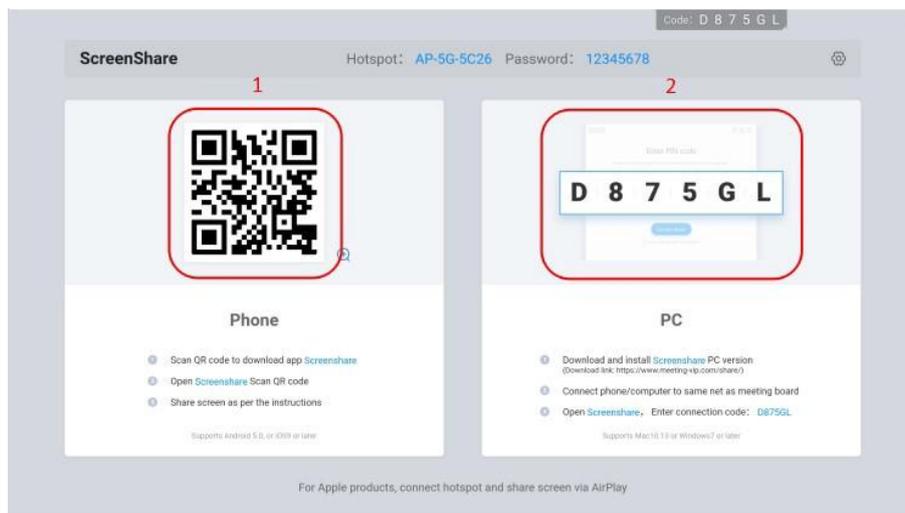


1. A variety of built-in style templates, used to customize pictures and launch addresses or modify the style, color or position of texts, making your launch address more simple and creative;
2. Click "OK" to enter the display page.



1. Click “Return” to return to the previous page.
2. Cancel/Resume.
3. Edit a picture or file (preferably with the mouse and keyboard).
4. “START PRESENTATION” button, used to start full-screen display.
5. Text tool (preferably operated with the mouse and keyboard)

### (3) Wireless screen share



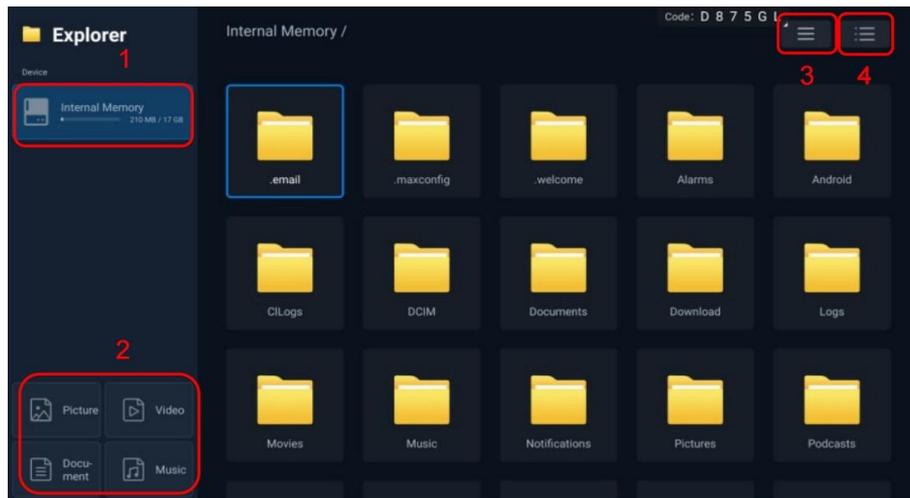
#### 1> Mobile apps

1. Connect to the screen share hotspot;
2. In the case of an Android system user, scan the QR code to download the screen share assistant and use it to share screens; in the case of an Apple client, use Airplay to project screens.

#### 2> Mac Airplay

1. For mobiles or computers with MAC system, find the device hotspot through WIFI and enter your password to connect to the hotspot;
2. Use the Airplay function in the MAC system to transmit screens.

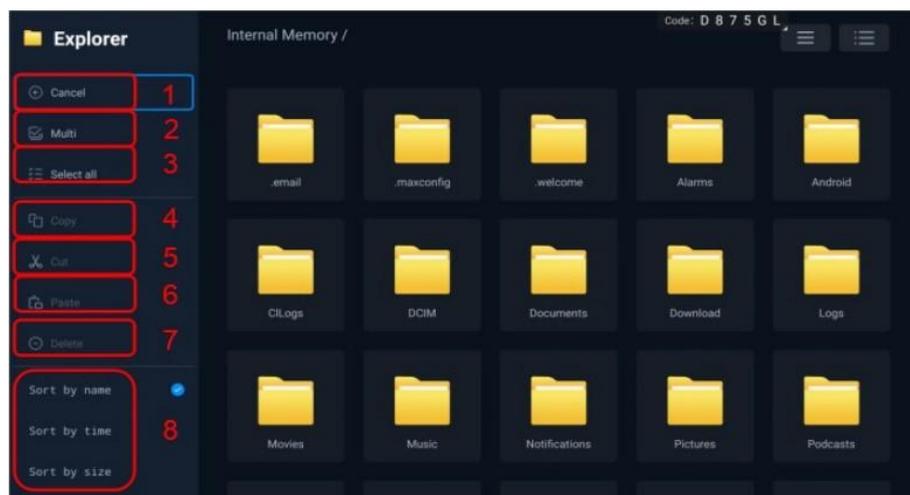
#### 3> Explorer



Explorer home page

Explorer: Used to browse or operate files.

1. Display the USB disk(s) mounted
2. Browse files by category (pictures, videos, documents, music)
3. Switch the file display mode
4. Open the menu



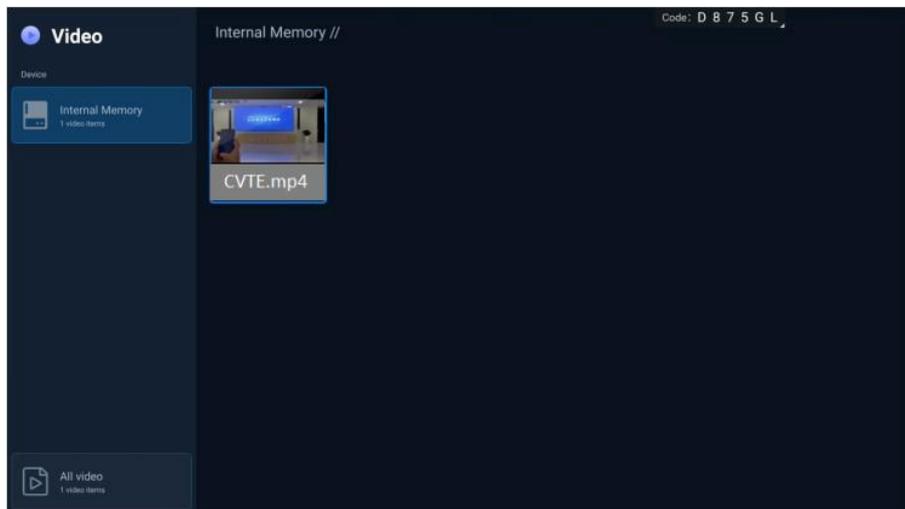
Explorer Menu

1. Cancel: Cancel the operation
  2. Multiple Choice: More than one file can be selected for operation
  3. Select All: Select all files
  4. Copy: Copy the file
  5. Cut: Cut the file
  6. Paste: Paste the file
  7. Delete: Delete the file
  8. Sort: Supports the sorting of files by name, time, or size
- 4> **More Apps**



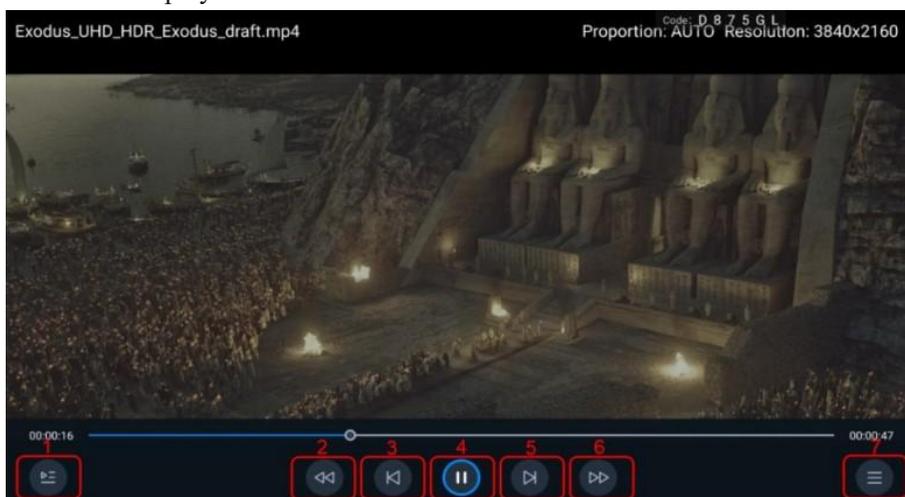
Enter the more apps page to view the software programs currently installed in the machine.

## 1) Videos



Video file list

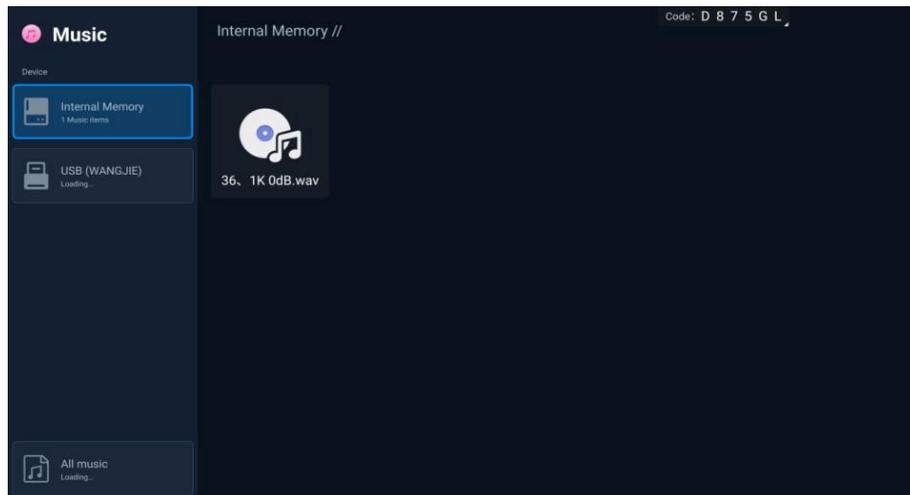
1. Click a disk to view all video files therein.
2. Click a video file to play this video file.



Video play screen

1: Playlist 2: Rewind 3: Previous 4: Play/Pause 5: Next 6: Fast Forward 7: Menu

## 2) Music



Music file list

1. Click a disk to view all music files therein.
2. Click a music file to play this music file.



Music play screen

- 1: Playlist 2: Rewind 3: Previous 4: Play/Pause 5: Next 6: Fast forward
- 7: Play mode (single loop / random play / list loop)

## 3) Gallery



Picture file list

1. Click a disk to view all picture files therein.
2. Click a picture file to view the full-screen display of this picture.

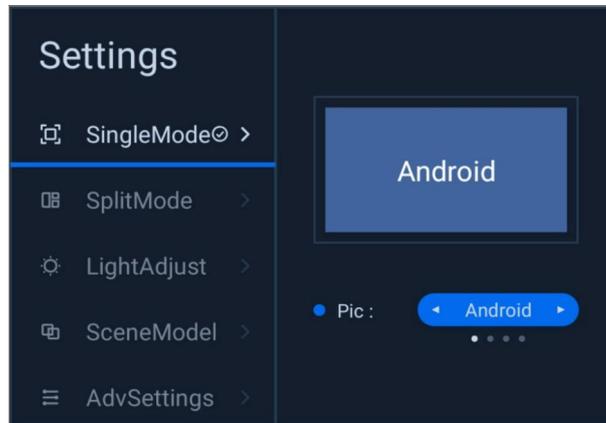


Picture preview

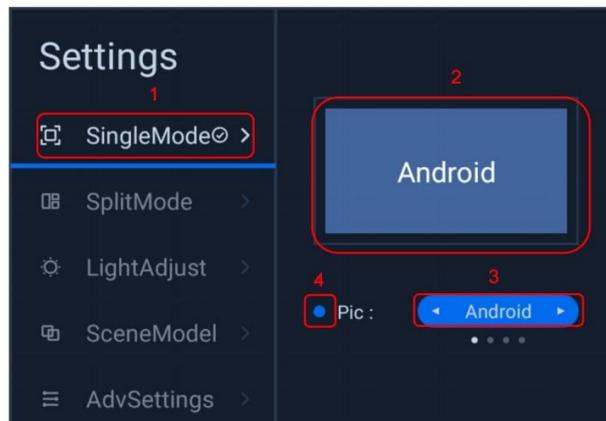
- 1: Clockwise
- 2: Counter clockwise
- 3: Previous
- 4: Play/Pause
- 5: Next
- 6: Set as wallpaper
- 7: Zoom in

## IV. Function Menu

Use the option key on the remote control or keypad to call up the menu:



### (1) Full screen mode

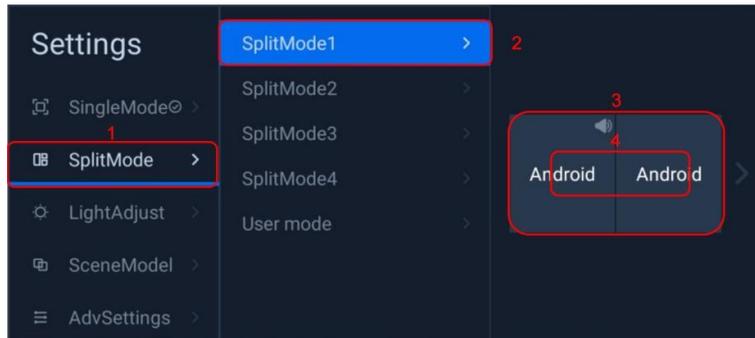


Full screen mode screen

As shown in the “Full Screen Mode Screen”: Full screen mode means the screen is covered by video signals of one single channel so that you can see contents of only one-channel signals.

1. When the “tick” is at “Full Screen Mode”, the current screen is in full screen mode;
2. Indicates the channel of the content currently displayed on the screen;
3. Channel switch button. You may use the “left/right” key on the remote control/front panel to view the channel; click “Enter” to switch to another channel;
4. Channel indicator, which indicates whether the currently viewed channel has signal access; gray means there are no signals while blue means there are signals.

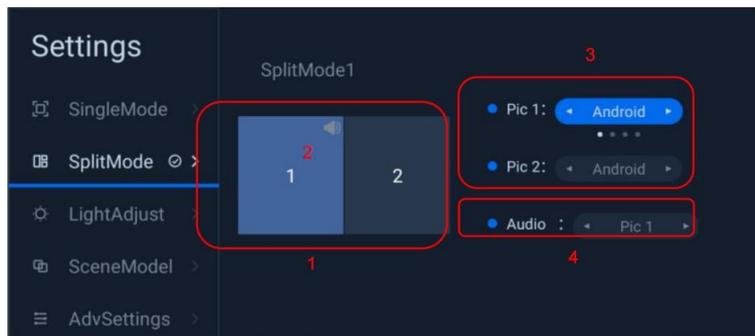
### (2) Split screen mode



Split screen mode 1

Split screen mode means video signals of more than one channel can be displayed on the screen at the same time.

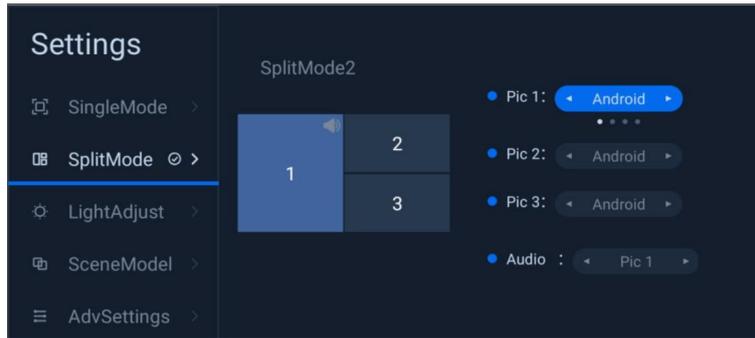
1. When the “tick” is at “Split Screen Mode”, the current screen is in split screen mode.
2. When the “tick” is at “Split Screen Mode 1”, the current screen is in split screen mode 1.
3. You can view the screen effect achievable by the current split screen mode via the leftmost screen.
4. Channel indicator. You can use the text on the preview to designate the channel name of the screen displayed in the current area. Press “Enter” to switch to the designated mode. Press the “right” key to enter the detailed settings page for split screen mode.



Settings page for split screen mode 1

Split screen mode 1: Video signals of two channels can be displayed on the screen at the same time, on the left and right respectively in equal proportion.

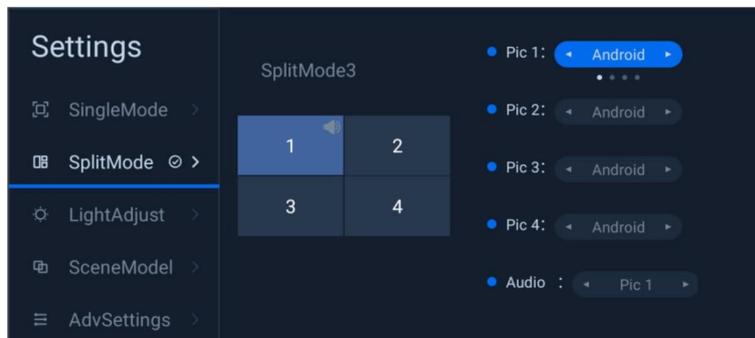
1. You can see the screen area currently being operated via the highlighted area on the preview. In the picture above, screen 1 is being operated.
2. The sound icon indicates from which screen the current sound comes. In the picture, the sound comes from screen 1.
3. With the switch button, you can use the “left/right” key to preview the channel and the “Enter” key to confirm switching the channel of the screen.
4. Sound source selection button. You can use the “left/right” key to preview the sound source screen and the “Enter” key to confirm switching the sound source for outputting the designated screen.



Settings page for split screen mode 2

Split screen mode 2: Video signals of three channels can be displayed on the screen at the same time, with screen 1 occupying a larger display area while screen 2 and screen 3 equally occupying a smaller area each.

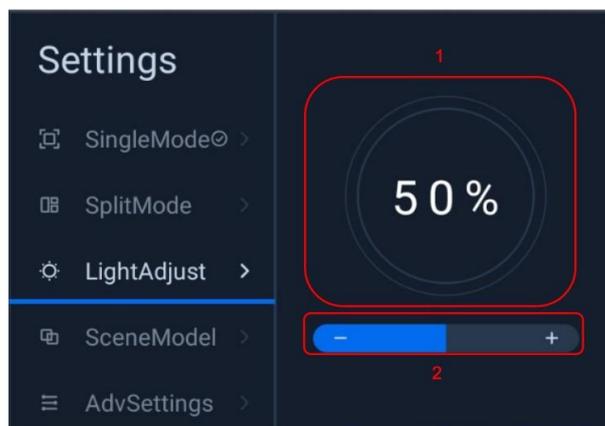
The contents operation and display are the same as those for split screen mode 1.



Settings page for split screen mode 3

Split screen mode 3: Video signals of four channels can be displayed on the screen at the same time, with all four screens equally displayed on the screen. The contents operation and display are the same as those for split screen mode 1.

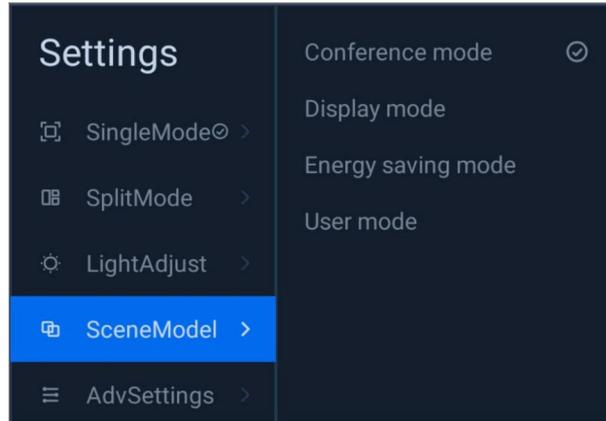
### (3) Brightness adjustment



1. The figure in the circle represents the current brightness.

2. The focus is in the brightness adjustment box. Use the “left/right” key to adjust the brightness.

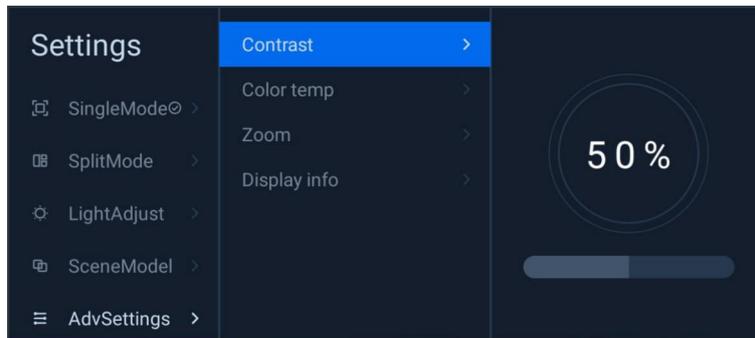
### (4) Profiles



Profiles: You can switch between different use scenes.

1. “Tick” means the current profile, currently available for conference mode, demo mode, energy saving mode, and user mode; after designating a mode, press “Enter” to switch to the designated mode.

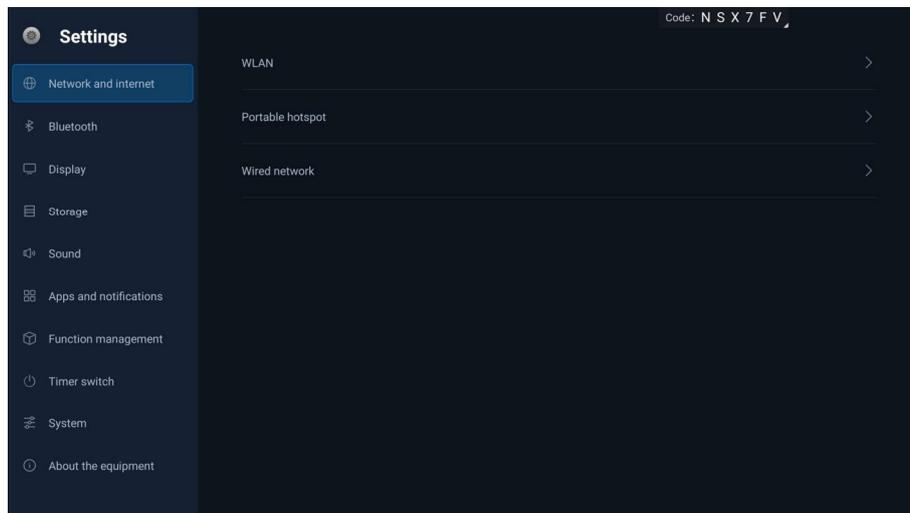
**(5) Advanced settings**



1. Contrast: Used to adjust the contrast.
2. Color temperature: Used to adjust the color temperature mode (standard, cold, warm).
3. Display scale: Used to adjust the display scale on the screen (available only for full screen mode).
4. Display information: Used to display the resolution of the current video signal.

## V. Settings Menu

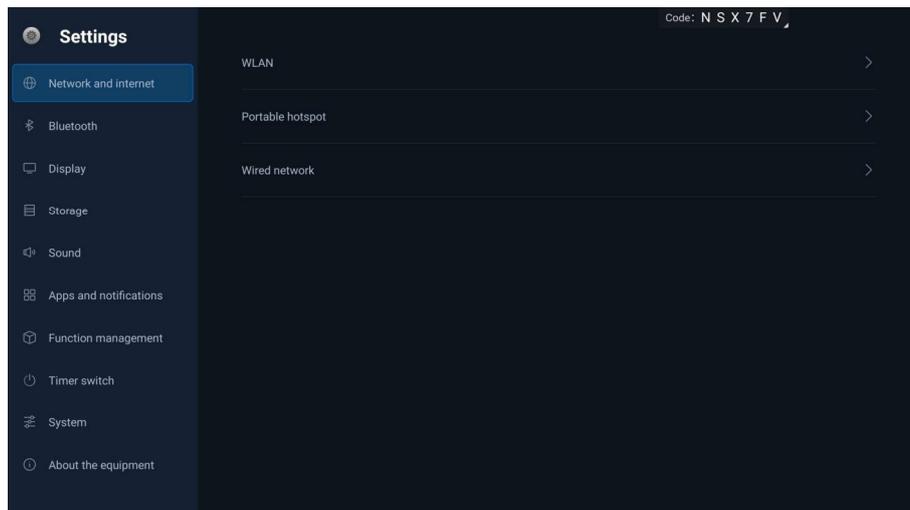
Click “Settings” to enter the settings menu page



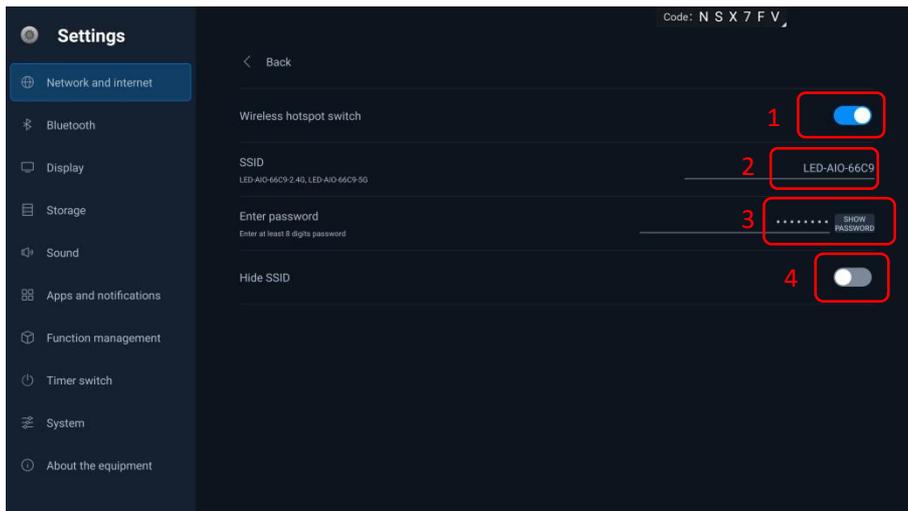
### (1) Network and Internet

#### 1> WLAN

Open WLAN to search the service network automatically. Click the network to connect to it.



#### 2> Hotspots



### Portable Hotspots

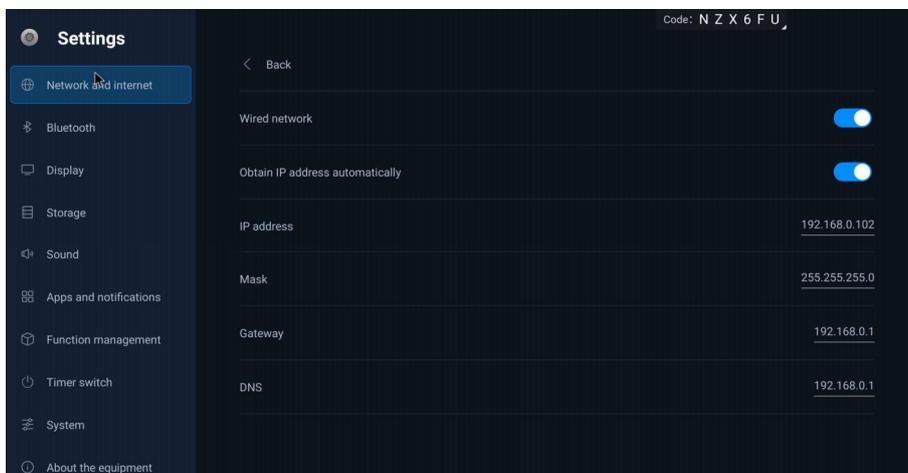
Portable hotspots: Both 2.4G and 5G hotspots can be produced. “-2.4G” or “-5G” will be automatically suffixed to the current hotspot to distinguish between 2.4G and 5G hotspots. (In the picture, the hotspot name of the “portable hotspot” is displayed as LED-AIO-6673.

The actual hotspot name will be LED-AIO-6673-5G in the case of a 5G hotspot or LED-AIO-6673-2.4G in the case of a 2.4G hotspot.)

1. Hotspot switch: Open or close a hotspot
2. Hotspot name: Modify the hotspot name
3. Hotspot password: Modify the hotspot password
4. Hide hotspot: Show or hide a hotspot. After a hotspot is hidden, other devices will not be able to search it although it is actually on.
5. Apply: Click “Apply” to restart any hotspot whose information has been modified and apply the modification.

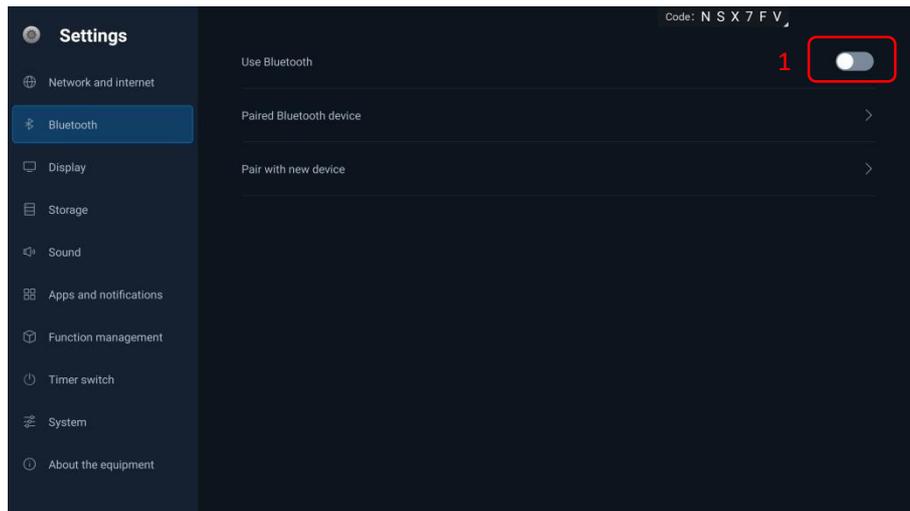
6. Cancel: Restore the modified content.

### 3> Wired network

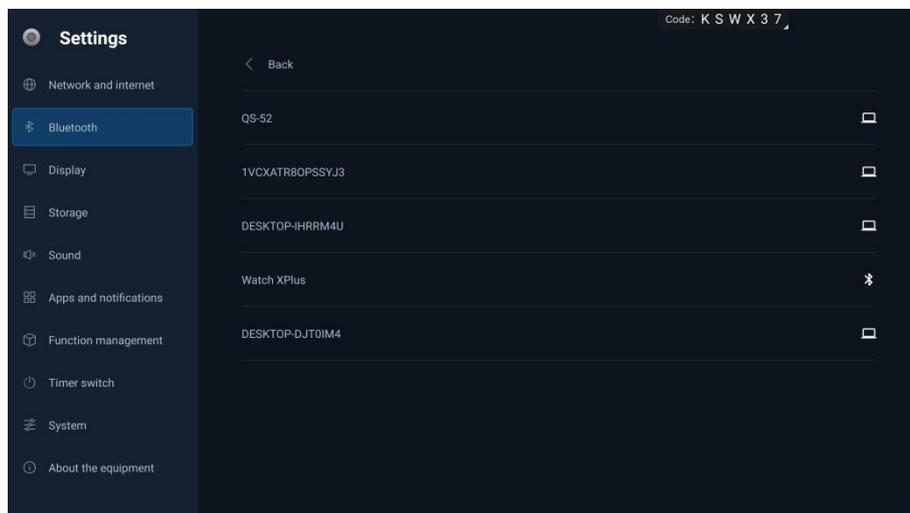


### Wired network

## (2) Bluetooth

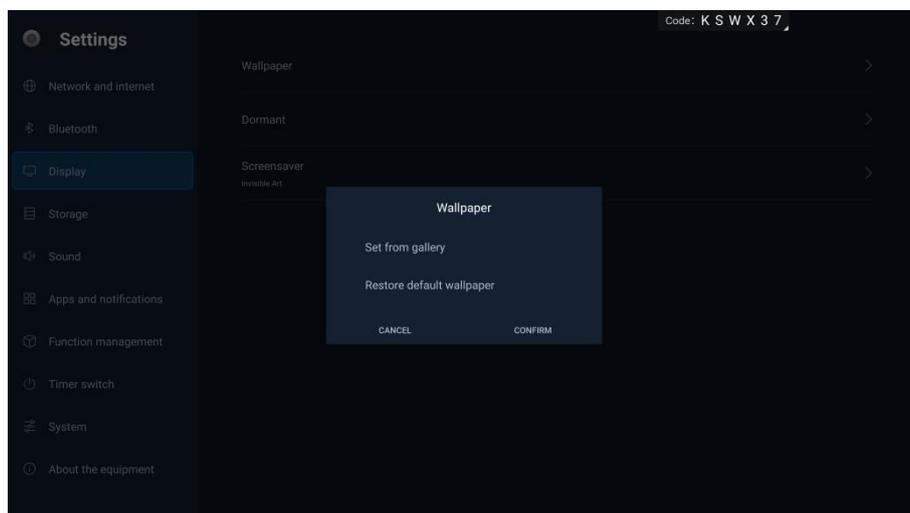


1. Bluetooth switch: Bluetooth can be turned on or off;



2. After Bluetooth is turned on, you can connect to Bluetooth devices within the search range;

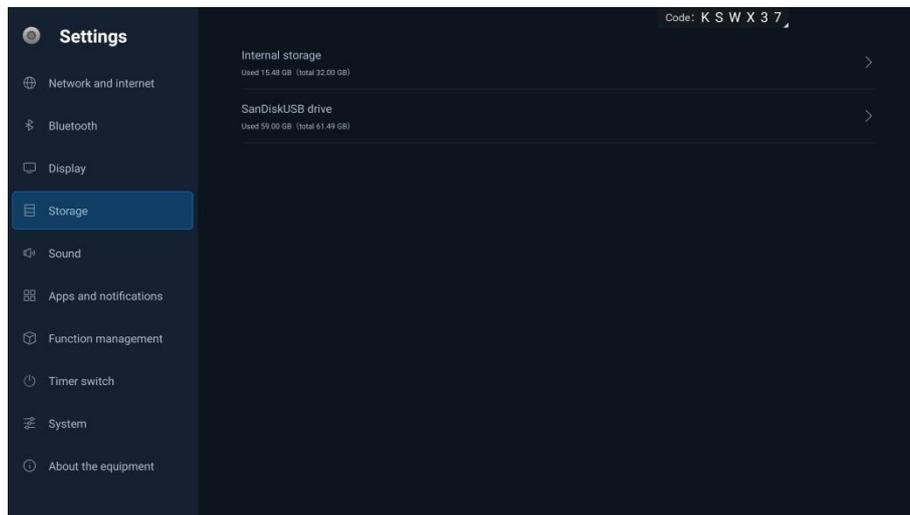
## (3) Display



Wallpaper

Used to set the wallpaper of your integrated display. You can set a wallpaper via the gallery or restore the factory default wallpaper.

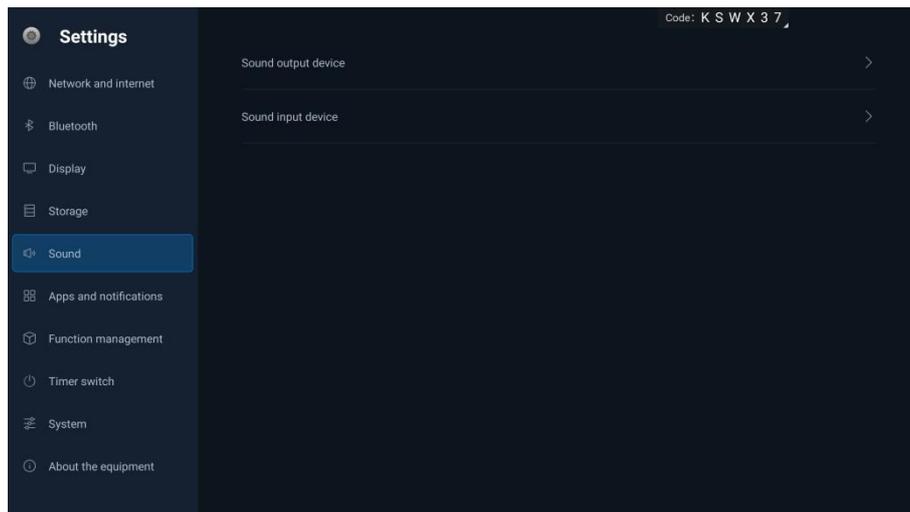
#### (4) Storage



Storage

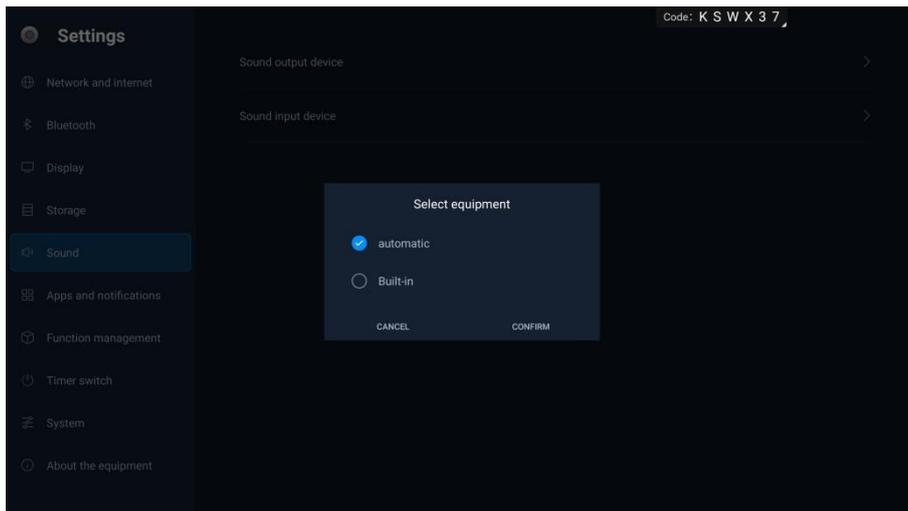
Used to display the storage conditions of a storage disk mounted.

#### (5) Sound



Sounds

#### 1> Sound output device

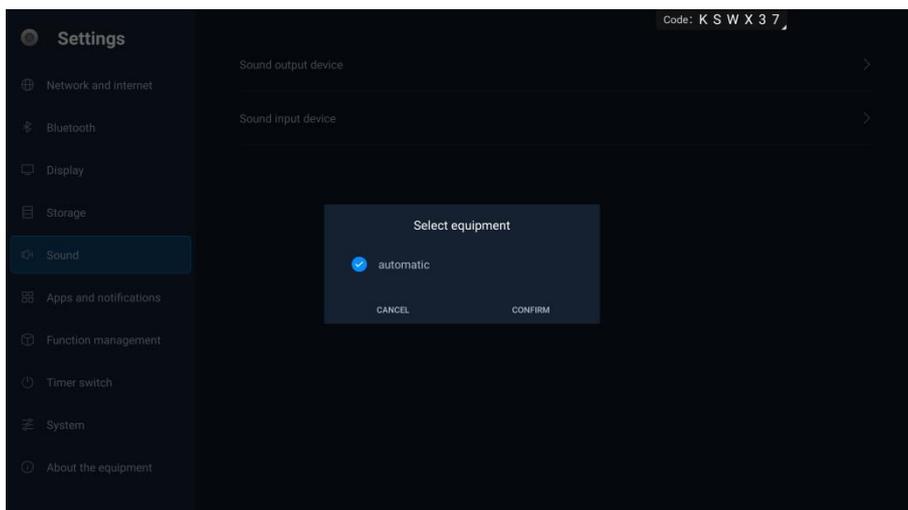


### Sound output device

All video devices mounted will be automatically scanned. You can select a device to designate from which device the sound will be outputted.

1. Auto: The system will automatically select a device to output the sound.
2. Built-in: The built-in loudspeaker will output the sound.

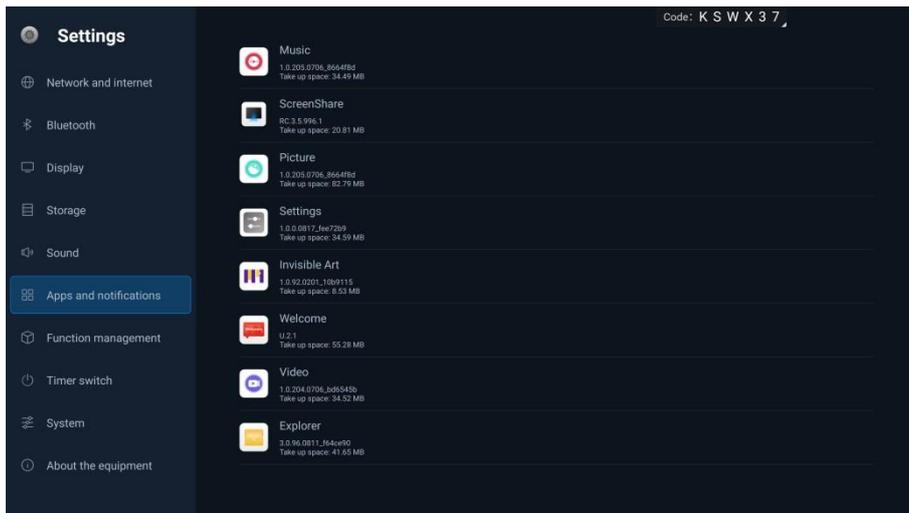
### 2> Microphone device



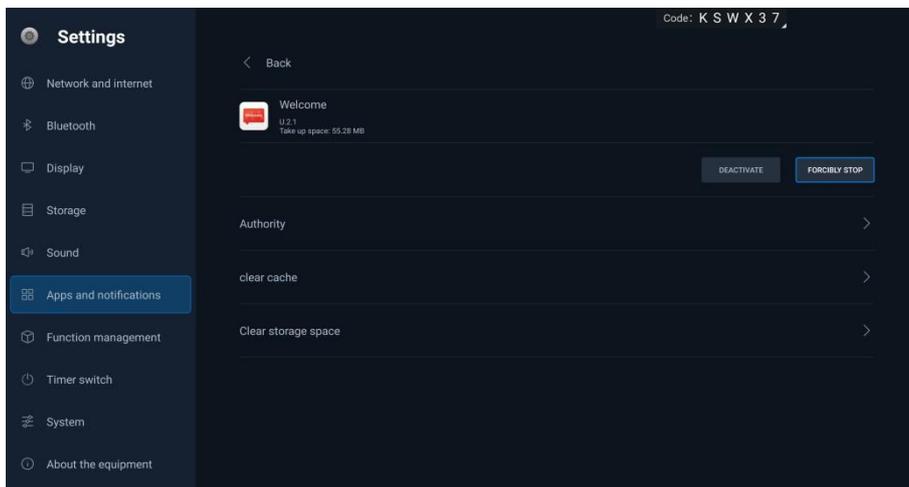
### Microphone device

Auto: The system will automatically select a microphone device. All microphone devices mounted will be automatically scanned. Select a device to designate which microphone will be used for pickup.

### (6) APP notification

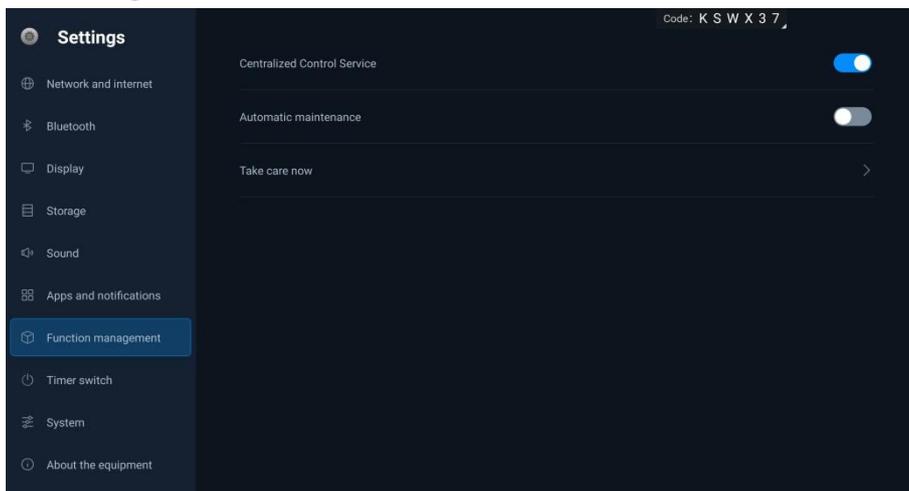


App notification: Used to display the software apps currently installed in the system. Click an app to download or disable it. Default software apps in this system do not support unloading.



System default apps

## (7) Function management



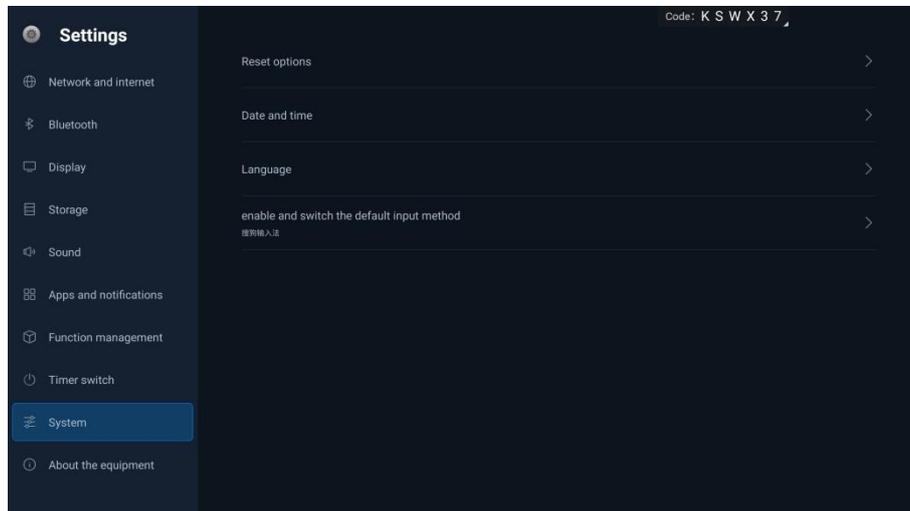
Function management

Central control service: Used to open/close central control service. You can control the integrated

display remotely only when central control service is on.

Auto Maintenance: the maintenance will be performed at the boot up of device according to the power off time.

## (8) System

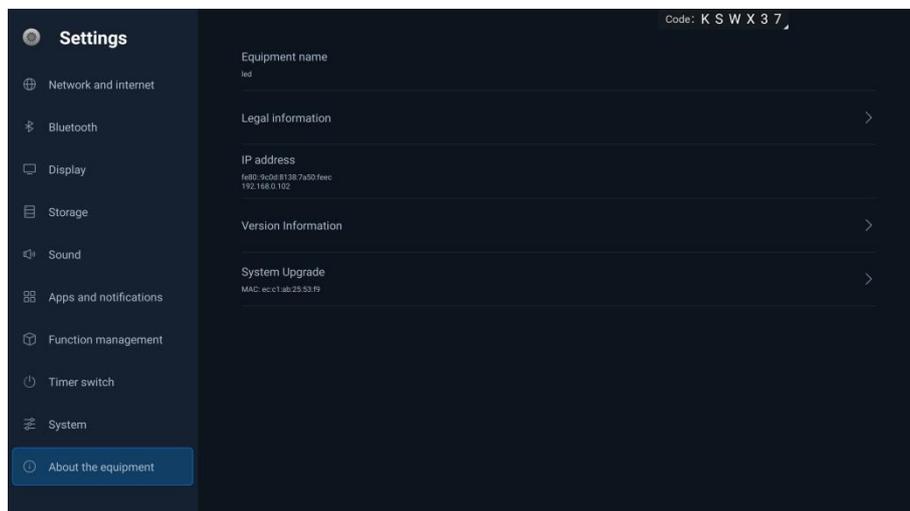


1. Reset options: Networks,apps or device can be reset . 2. Date&time:Used to reset the date and time.

3. Languages &input:Used to set the languages.

## (9) About the Device

Used to display information related to the device.



## **VI. Simple Troubleshooting**

### **(1) Part of the screen doesn't light up after power on**

1>Check whether the network cable in the panel is in poor contact 2>Check whether the power cable in the panel is in poor contact.

### **(2) The wireless dongle doesn't work**

1>Check whether the wireless dongle is tightly inserted;

2>Check whether the wireless dongle is paired. To pair the wireless screen projector, you need to insert it into the USB port of the machine and wait for a prompt saying that the dongle is successfully paired;

3>Check whether a driver software has been installed in your computer. If the projector cannot be automatically installed after it is inserted into the USB port of your computer, you need to enter "My Computer" manually, find the drive letter of the transmitter in the device driver and click "Install".

### **(3) The indicator doesn't work**

1>Check whether the power supply is functional; 2>Check whether the switch of the machine is turned on.

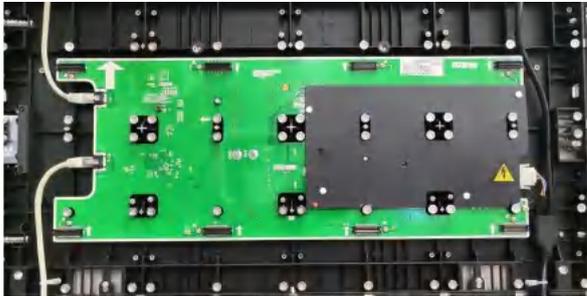
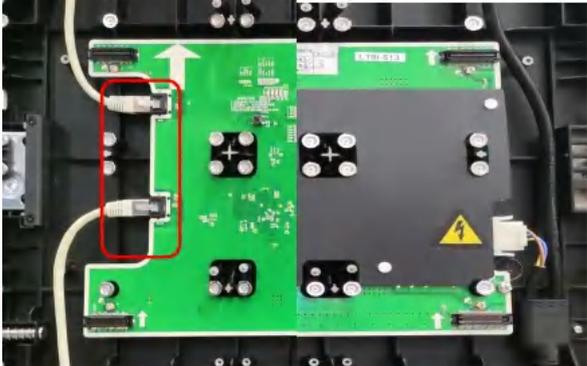
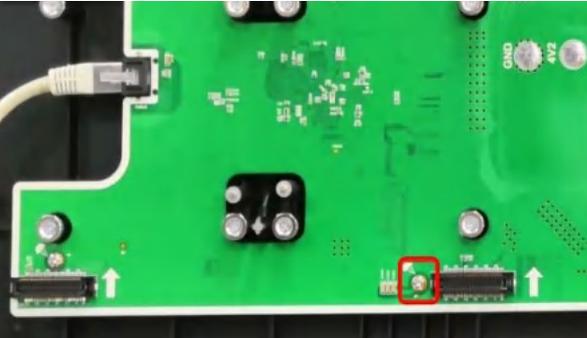
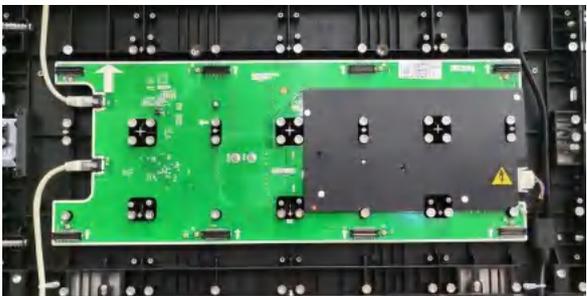
### **(4) No image display after connecting to computer with a HDMI cable**

1>Check whether you are currently in a HDMI channel;

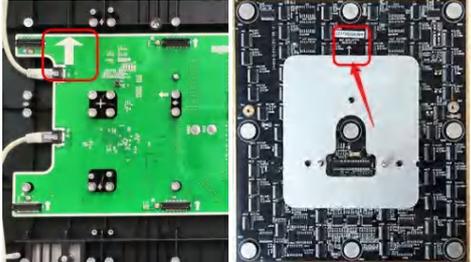
2>Check whether the HDMI cable between the machine and the external computer has come off or is in poor contact.

## VII. Parts Replacement

### (1) Replacing the 3-in-1 board

Procedure	Illustration	Mrthod
Step 1		Locate the faulted panel and remove all module
Step 2		Disconnect the power supply and network
Step 3		Remove the 8 screws on the 3-in-1 board
Step 4		Remove the faulted 3-in-1 board and replace it with a new one

## (2) Replacing the module

Procedure	Illustration	Mrthod
Step 1		Locate the faulted module and attach the side bevel of the pre-maintenance tool right below the module
Step 2		Rotate the pre-maintenance tool upward slowly from the curved plane to the bottom plane; take out the module in the parallel direction after gripping the module
Step 3		Hold the module with your full hand and rotate the maintenance tool off the module
Step 4		Install the module in the same direction as indicated by the arrow

## **VIII. Special Statements**

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