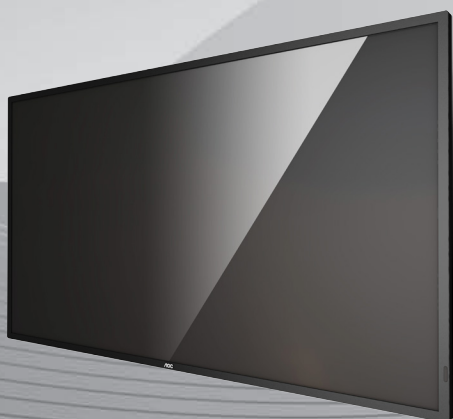




User Manual (English)



SPX432/SPX552/SPX652

Read this manual before use, and keep it for reference.

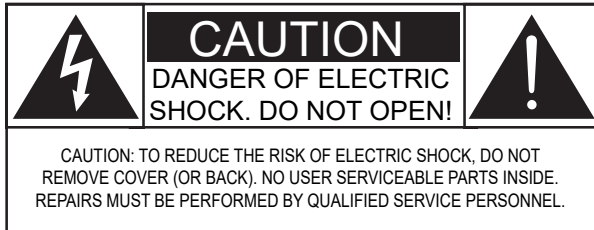
www.aoc.com

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Safety Instructions

Warnings and Precautions

KNOW THESE SAFETY SYMBOLS



Note: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REPAIRS MUST BE PERFORMED BY QUALIFIED SERVICE PERSONNEL.



This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.



This symbol alerts you that important instructions concerning operation and maintenance have been included with this product.

Note: FCC/CSA REGULATIONS STATE THAT ANY UNAUTHORIZED CHANGES OR MODIFICATIONS TO THIS EQUIPMENT MAY VOID THE USER'S AUTHORITY TO OPERATE IT.

Note: TO PREVENT ELECTRIC SHOCK, MATCH THE WIDE BLADE OF THE PLUG TO THE WIDE SLOT, AND FULLY INSERT THE PLUG.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

THE POWER SOCKET SHOULD BE INSTALLED NEAR THE APPARATUS AND BE EASILY ACCESSIBLE.



Read and follow these instructions when connecting and using the public information display:

- Unplug the display if you are not going to use it for an extensive period of time.
- Unplug the display if you need to clean it with a slightly damp cloth. Use a dry cloth to wipe the screen after the device is powered off. Never use alcohol, solvents, or ammonia-based solutions.
- Consult a service technician if the display does not operate normally when you have followed the instructions in this manual.
- The casing cover should be opened only by qualified service personnel.
- Keep the display out of direct sunlight and away from stoves or any other heat sources.
- Avoid exposing the display to any oils, which can degrade the plastic and cause cracks.
- Remove any object that could fall into the vents or prevent proper cooling of the display's electronics.

- Do not block the ventilation holes on the cabinet.
- Keep the display dry. To avoid electric shock, do not expose the device to rain or excessive moisture.
- After turning off the display by unplugging the power cable, wait for 6 seconds before plugging it back in to ensure the display functions normally.
- To avoid the risk of shock or permanent damage to the product, do not expose the product to rain or excessive moisture.
- When positioning the display, make sure the power plugs and outlets are easily accessible.
- **Important:** Always activate a screen saver program during use. If a still image in high contrast remains on the screen for an extended period of time, it may leave an 'after-image' or 'ghost image' on the front of the screen. This is a well-known phenomenon that is caused by the shortcomings inherent in LCD technology. In most cases the afterimage will disappear gradually over a period of time after the power has been switched off. Be aware that the after-image symptom cannot be repaired and is not covered under warranty.
- If provided with a 3-pin attachment plug on the power cord, plug the cord into a grounded (earthed) 3-pin outlet. Do not disable the power cord grounding pin, for example, by attaching a 2-pin adapter. The grounding pin is an important safety feature.
- **Stability Hazard.** The device may fall, causing serious personal injury or death. To prevent injury, this device must be securely attached to the floor/wall in accordance with the installation instructions.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions for reference.
3. Pay attention to all warning text.
4. Follow all instructions.
5. Do not use this product near water.
6. Only clean with a dry cloth.
7. Do not block any vents. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades, with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the product. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this product during lightning storms or when unused for long periods of time.



14. Contract qualified service personnel to perform all maintenance. Servicing is required when the product has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.

- WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.
- WARNING:** THE PRODUCT SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE PRODUCT.
- WARNING:** THE BATTERIES (INSTALLED BATTERIES) SHALL NOT BE EXPOSED TO EXCESSIVE HEAT, SUCH AS DIRECT SUNLIGHT OR FIRE.
- WARNING:** THE MAINS PLUG OR APPLIANCE COUPLER IS USED AS THE DISCONNECT DEVICE. THE DISCONNECT DEVICE SHALL REMAIN READILY OPERABLE.
- WARNING:** TO PREVENT ANY IMPACT FROM HEAT SOURCES, KEEP CANDLES OR OTHER OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.



- WARNING:** TO PREVENT INJURY, THIS PRODUCT MUST BE SECURELY ATTACHED TO THE FLOOR/WALL IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS.
- Note:** THESE SERVICING INSTRUCTIONS ARE FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY. TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT PERFORM ANY SERVICING OTHER THAN AS DETAILED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.
- Note:** USING EARPHONES OR HEADPHONES AT EXCESSIVE SOUND PRESSURE CAN CAUSE HEARING LOSS. RAISING THE EQUALIZER TO MAXIMUM INCREASES THE EARPHONE AND HEADPHONE OUTPUT VOLTAGE AND THE SOUND PRESSURE LEVEL. THEREFORE, TO PROTECT YOUR HEARING, ADJUST THE EQUALIZER TO AN APPROPRIATE LEVEL.

End-of-Life Disposal

Your new Public Information Display contains materials that can be recycled and reused. Specialized companies can recycle your product to increase the amount of reusable materials and to minimize the amount to be disposed of.

Please consult your Philips dealer concerning local regulations on how to dispose of your old display.

Taiwan:

低功率電波輻射性電機管理辦法

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

在 5.25-5.35 兆赫頻帶內操作之無線資訊傳輸設備，限於室內使用。應避免影響附近雷達系統之操作。

高增益指向性天線只得應用於固定式點對點系統。

警語：使用過度恐傷害視力。

注意事項：

(1) 使用 30 分鐘請休息 10 分鐘。

(2) 未滿 2 歲幼兒不看螢幕，2 歲以上每天看螢幕不要超過 1 小時。

警告：為避免電磁干擾，本產品不應安裝或使用於住宅環境。

警告：在居住环境中，运行此设备可能会造成无线电干扰。

中国 RoHS

根据中国大陆《电器电子产品有害物质限制使用管理办法》，以下部分列出了本产品中可能包含的有害物质的名称和含量。

零部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴 联苯 (PBB)	多溴二 苯醚 (PBDE)
外壳	○	○	○	○	○	○
液晶显示屏	×	○	○	○	○	○
电路板组件*	×	○	○	○	○	○
电源适配器	×	○	○	○	○	○
电源线/连接线	×	○	○	○	○	○
遥控器	X	○	○	○	○	○
本表格依据 SJ/T 11364 的规定编制。 *: 电路板组件包括印刷电路板及其构成的零部件，如电阻、电容、集成电路、连接器等。 O: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。 X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。 上表中打“×”的部件，应功能需要，部分有害物质含量超出 GB/T 26572 规定的限量要求，但符合欧盟 RoHS 法规要求（属于豁免部分）。						

备注：上表仅做为范例，实际标示时应依照各产品的实际部件及所含有害物质进行标示。



电器电子产品有害物质限制使用管理办法要求说明：该电器电子产品含有某些有害物质，在环保使用期限内可以放心使用，超过环保使用期限之后应该进入回收循环系统。

- 1. 在不观看时调整到关机状态，以减少能耗。
- 2. 在保证观看质量的前提下，通过降低显示屏的亮度可降低产品在使用过程中的能耗。

《废弃电子产品回收处理管理条例》提示性说明

为了更好地关爱及保护地球，当用户不再需要此产品或产品寿命终止时，请遵守国家废弃电器电子产品回收处理相关法律法规，将其交给当地具有国家认可的回收处理资质的厂商进行回收处理，不当利用或者处置可能会对环境和人类健康造成影响。

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1. Unpacking and Installation

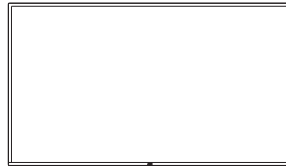
1.1. Unpacking

- This product is packed in a carton, together with the standard accessories.
- Any other optional accessories will be packed separately.
- Due to its size and weight, we recommend that this display be moved by two persons.
- After opening the carton, ensure that the contents are complete and in good condition.

1.2. Package Contents

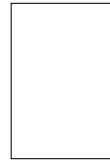
Please verify that you received the following items with your package content:

- Display
- Quick Start Guide
- Remote Control and AAA Batteries
- Power Cord
- Wall Mount kit
- Logo
- HDMI Cord



Display

* The supplied power cord varies depending on the sales region.



Quick Start Guide



Remote control and AAA Batteries



Power Cord



Wall Mount kit

AOC

Logo



HDMI Cord

*Varies by region.

The design and accessories of the display may differ from those shown above.

Note:

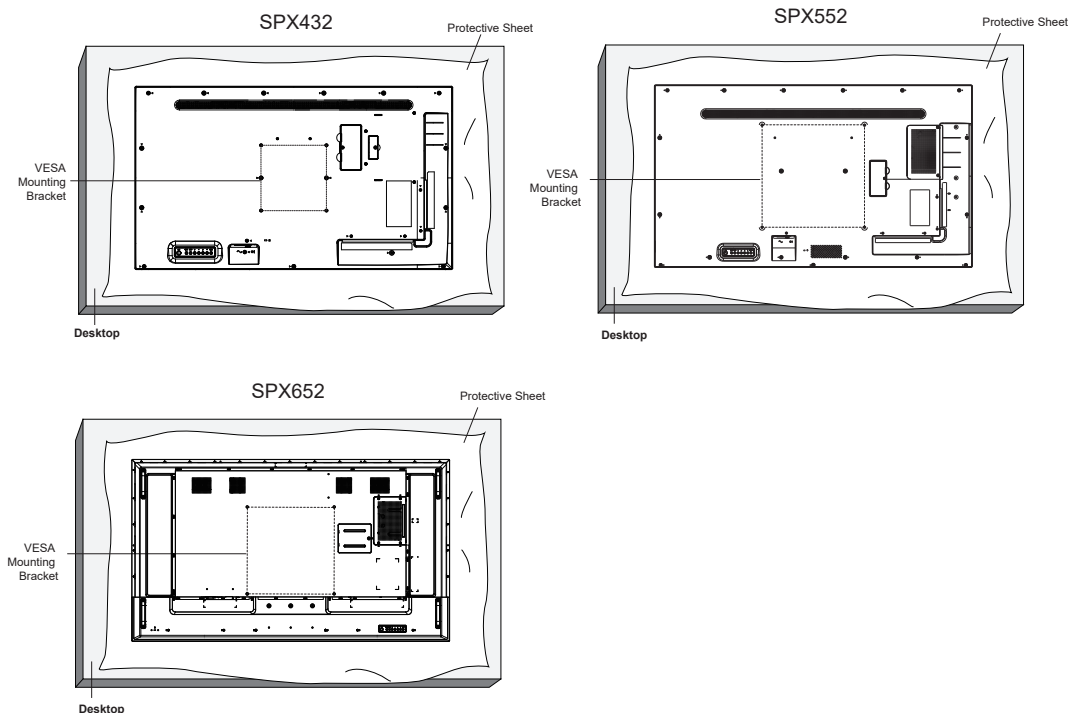
- For all other regions, use a power cord that conforms to the AC voltage of the power socket and has been approved by and complies with the safety regulations of the particular country (Type H05W-F, 2G or 3G, 0.75 or 1 mm² should be used).
- You can keep the box and packing material if it is necessary to repackage the display later.

1.3. Installation Notes

- Because the product consumes a high level of power, always use a plug designed for this product. If an extension cord is required, please consult your service agent.
- The product should be mounted on a flat surface to prevent tilting. Ensure a space between the back panel of the product and the wall for proper ventilation. Do not install the product in a kitchen, bathroom, or other high-humidity area as this will reduce the lifespan of the electronic parts.
- This product is designed for use at altitudes below 5000 meters above sea level. If installed above 5000 meters above sea level, the product may not work properly.

1.4. Mounting on a Wall

To mount the display on a wall, you must purchase a standard wall mount kit (available commercially). We recommend that you use a mounting interface that complies with TUV-GS and/or UL1678 standard in North America.

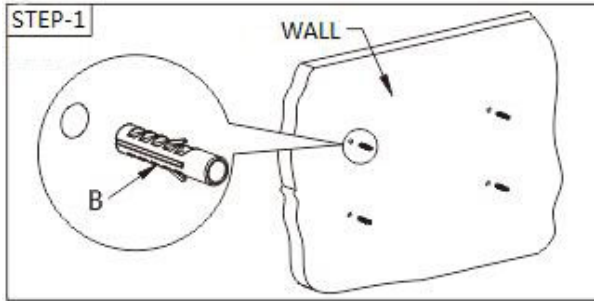


1. Place the protective cloth for the display on a table and place the screen face down on the protective cloth to avoid scratching the surface of the screen.
2. Prepare all required display mounting accessories (wall, hanging, or stand mounting accessories).
3. Follow the instructions that came with the base mounting kit. Failure to follow the correct mounting procedures may result in damage to the equipment, or injury to the user or installer. The product warranty does not cover the damage caused by improper installation.
4. SPX432/SPX552 For the wall mounting kit, use M6 mounting screws (with a length 10 mm longer than the thickness of the mounting bracket) and tighten them securely.

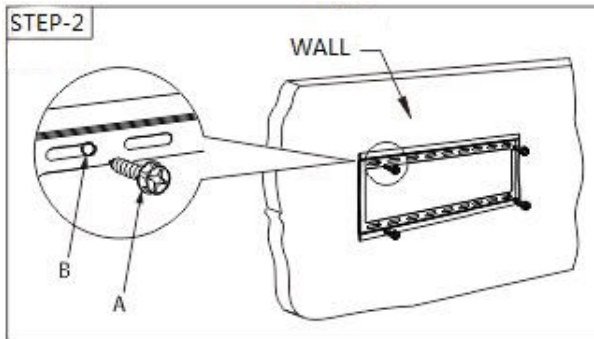
SPX652 For the wall mounting kit, use M8 mounting screws (with a length 15 mm longer than the thickness of the mounting bracket) and tighten them securely.

1.4.1. Install the wall mounting kit

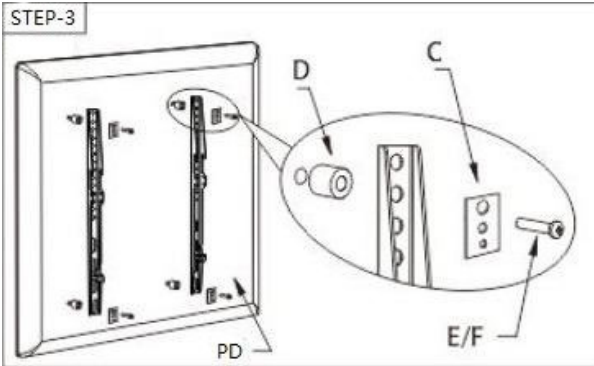
1. With the wall plate as a reference, use the auxiliary level to mark the locations of the four holes on the wall. Drill four holes 8 mm in diameter and 50 mm in depth. Then, insert the four plastic anchors into the holes.



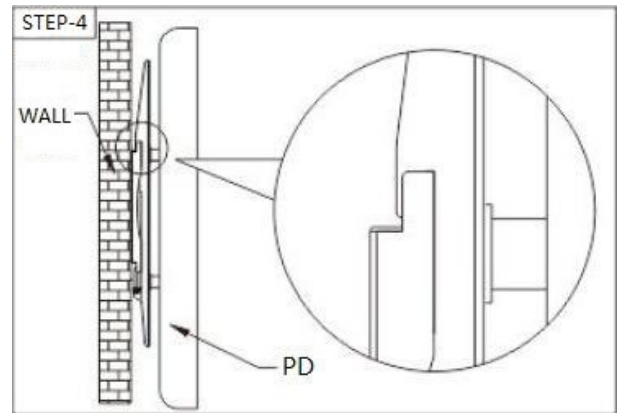
2. Install the wall plate. Align the wall plate with the holes in the wall and secure it to the wall by screwing four self-tapping screws through a metal washer and into the plastic anchors.



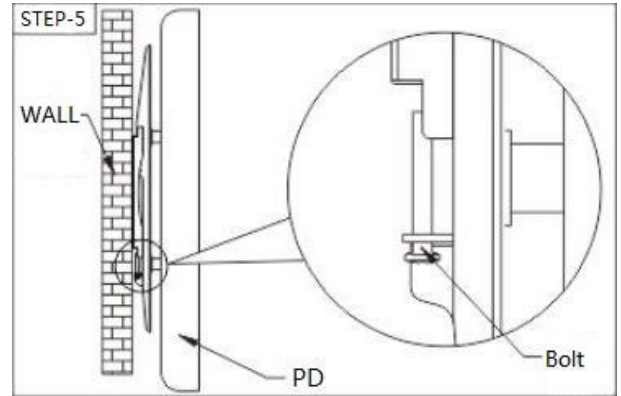
3. Use appropriate screws to attach the bracket guide rails to the VESA grid of the display. Select the appropriate rail holes based on the mounting height so that the two arms have the same height.



4. Lift the display to attach the rails to the wall panel, holding the display with both hands until it is securely attached to the wall panel.



5. Tighten the two pre-installed bolts under the display guide rails.



1.4.2. VESA grid

SPX432	200(H) x 200(V) mm
SPX552	400(H) x 400(V) mm
SPX652	400(H) x 400(V) mm

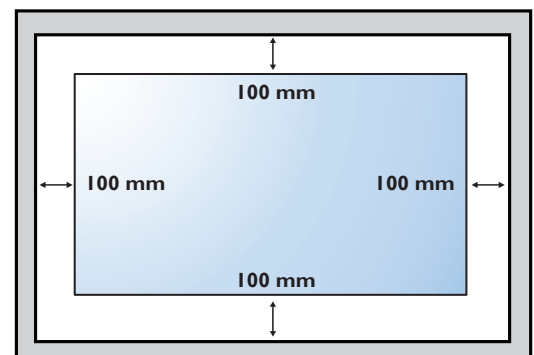
Caution:

To prevent the display from falling:

- For wall or ceiling mounting, we recommend that you install the display with metal brackets which are commercially available. For detailed instructions about the installation, refer to the guide provided with the bracket.
- To prevent the display from falling in case of earthquake or other natural disaster, please consult the manufacturer of the bracket for the mounting location.

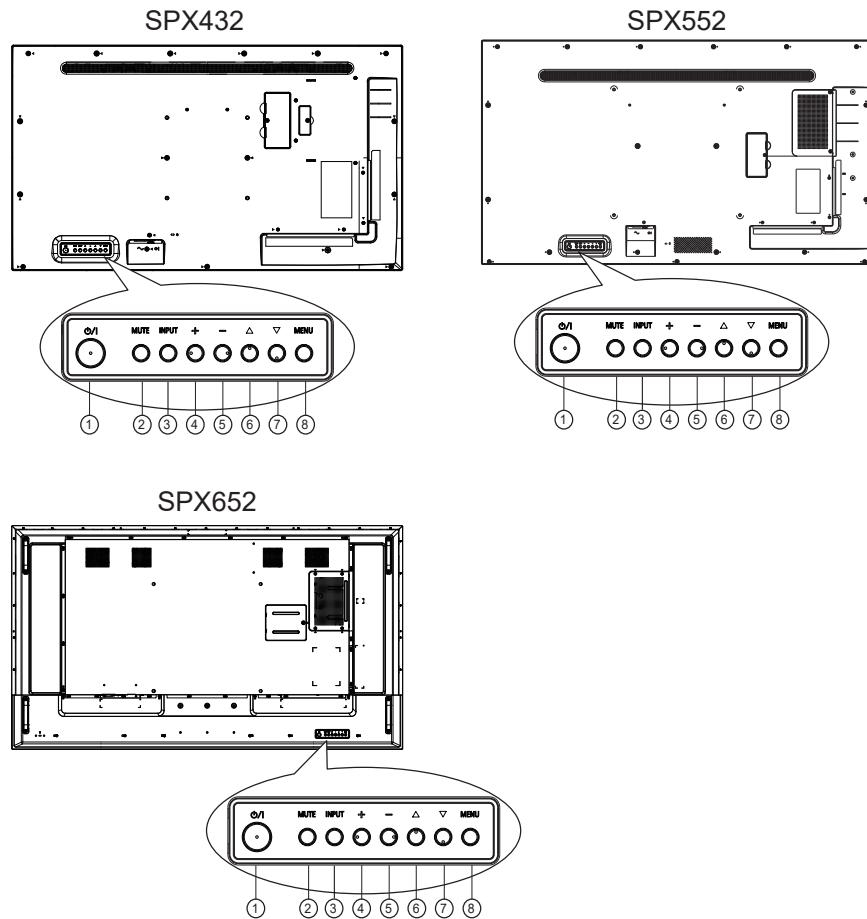
Required space for ventilation

Leave at least 100 mm of clearance at the top, bottom, right, and left of the display for ventilation.



2. Parts and Functions

2.1. Control Panel



① [Power] button

- Long press this button for 5 seconds to power off.
- When the display is on, press this button to enter DC OFF Mode.
- When the display is off, briefly press this button to turn it on.

② [Mute] button

Turn the mute function on/off.

③ [INPUT] button

- Choose the input source.

④ [+] button

- Main Menu (Android launch page): Move right.
- Audio Menu: Increase the volume.
- The volume hotkey only works with HDMI1/HDMI2 signals.
- Main Menu: Go to the next item.

⑤ [-] button

- Main Menu (Android launch page): Move left.
- Audio Menu: Decrease the volume.
- The volume hotkey only works with HDMI1/HDMI2 signals.
- Main Menu: Go to the previous item.

⑥ [▲] button

- Main Menu: Go to the previous item.

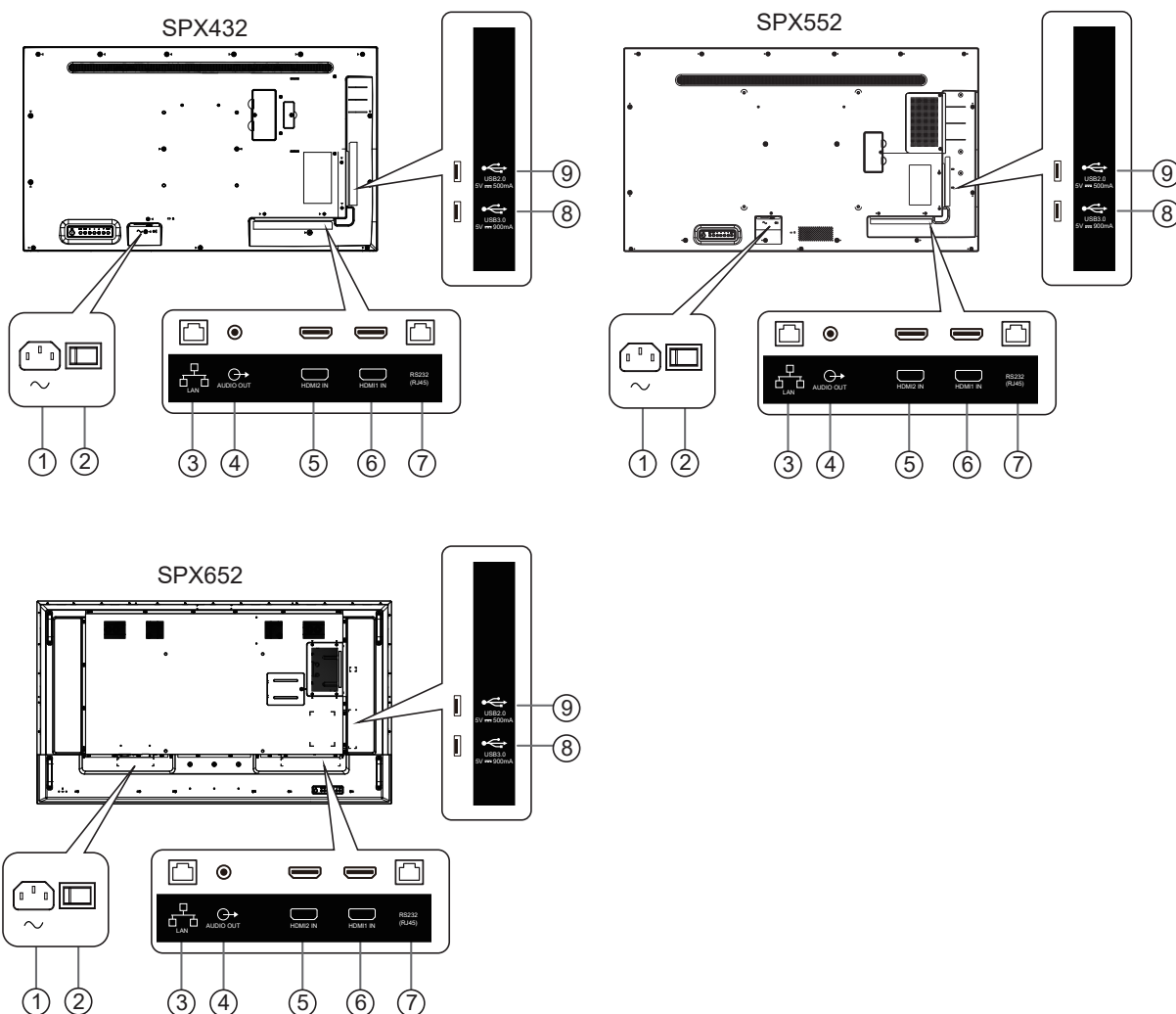
⑦ [▼] button

- Main Menu: Go to next item.

⑧ [MENU] button

- Root Menu: Go to/cancel the OSD main menu.

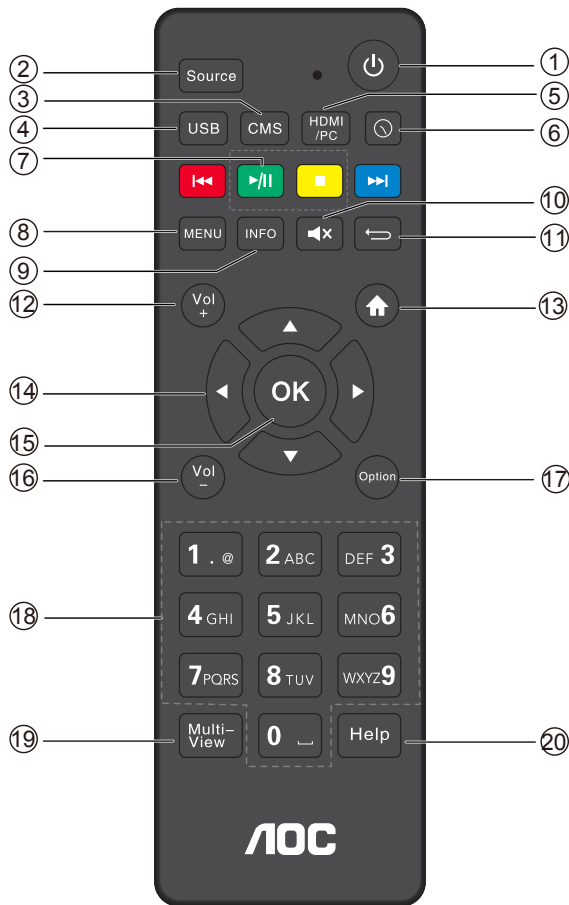
2.2. Input/Output Terminals



- ① **AC IN**
Connects to external AC power input.
- ② **MAIN POWER SWITCH**
Turns the main power on or off.
- ③ **LAN**
LAN Internet connection.
- ④ **AUDIO OUT**
Audio output for external AV device.
- ⑤ **HDMI 2 IN** / ⑥ **HDMI 1 IN**
HDMI 2/HDMI 1 video/audio input.
- ⑦ **RS232**
External RS232 Control.
- ⑧ **USB PORT**
Connect to a USB storage device.
- ⑨ **USB PORT**
Connect to a USB storage device.

2.3. Remote Control

2.3.1. General functions



- ⑧ **MENU**
Access the OSD menu.
- ⑨ **INFO**
Displays information about the current activity.
- ⑩ **[Mute] Mute button**
Turn the mute function on/off.
- ⑪ **[Back] Back button**
Go back when in a menu or exit an app.
- ⑫ **[VOL+] Volume button**
Increases the volume.
- ⑬ **[Compass] Compass button**
Show disk menu.
- ⑭ **[Up] [Down] [Left] [Right] Navigation buttons**
Navigate in the menu and select items.
- ⑮ **[OK]**
Confirm input or selection.
- ⑯ **[VOL-] Volume button**
Decreases the volume.
- ⑰ **Option Menu**
Access currently available options, for Media Input/PDF Player/CMS Console.
- ⑱ **[Number] buttons**
Enter the network settings text.
- ⑲ **Multi-View**
No function.
- ⑳ **Help**
Mouse mode.

- ① **[Power] Power button**
Short press or long press for 5s to enter standby. In standby, short press to turn on the display.
- ② **Source**
Press this key to display the source list.
- ③ **[CMS] button**
Go to AOC CMS app.
- ④ **[USB] source button**
Quickly switch to the USB source.
- ⑤ **[HDMI/PC] button**
Quickly switch to the HDMI1 signal.
- ⑥ **[Clock] Time Settings button**
Call up the schedule app.
- ⑦ **[PLAY] button**
Controls media file playback.

2.3.2. Inserting the batteries in the remote control

The remote control is powered by two 1.5V AAA (No. 4) batteries.

To install or replace the batteries:

1. Side down to open the cover.
2. Align the positive and negative terminals of the batteries with the (+) and (-) symbols in the battery compartment.
3. Replace the cover.

Caution:

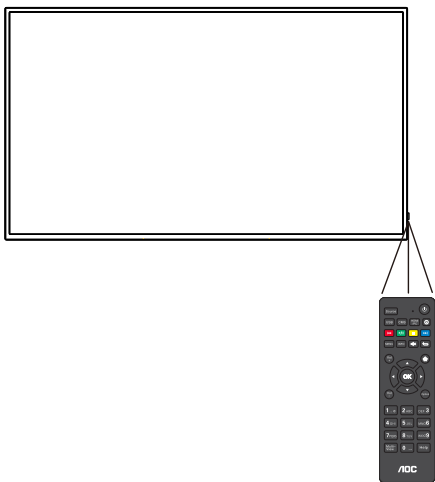
Incorrect use of batteries may cause leakage or explosion. Be sure to follow the instructions below:

- The (+) and (-) symbols on the batteries must align with the (+) and (-) symbols in the battery compartment. Install No. 4 batteries.
- Do not mix battery types.
- Do not mix old and new batteries, as this may lead to reduced battery life or leakage.
- Remove the battery immediately when discharged to prevent leakage from contaminating the battery compartment. Do not touch exposed battery acid, as it may cause injury to your skin.

Note: Remove the batteries if you do not plan to use the remote control for some time.

2.3.3. Handling the remote control

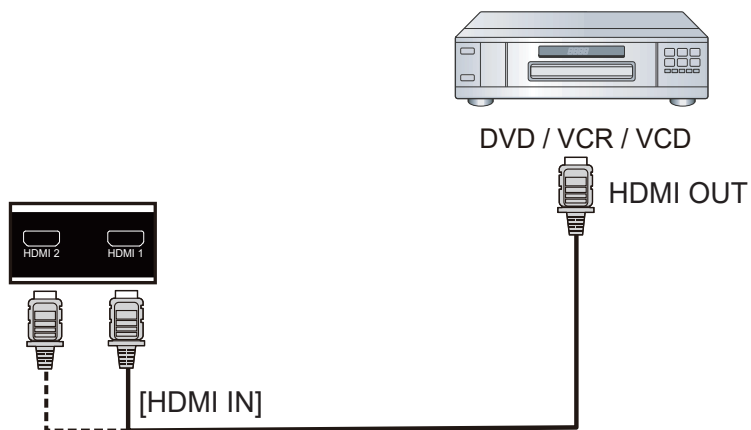
- Do not violently shake the remote control.
- Avoid splashing water or other liquids onto the remote control. If the remote control gets wet, wipe it dry immediately.
- Avoid contact with heat sources and steam.
- Do not open the remote control cover unless you need to install the batteries.



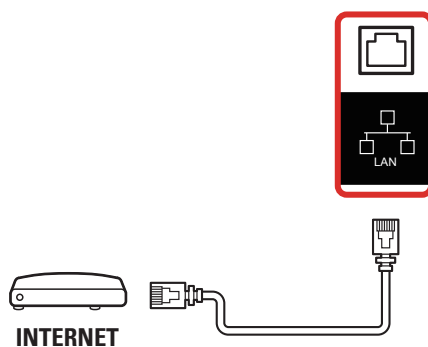
3. Connecting External Equipment

3.1. Connecting external devices (DVD/VCR/VCD)

3.1.1. Using HDMI video input

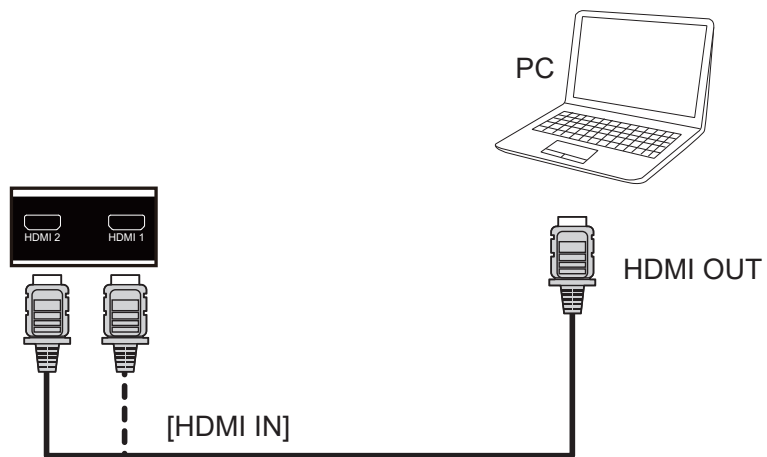


3.1.2. Connect to the Internet

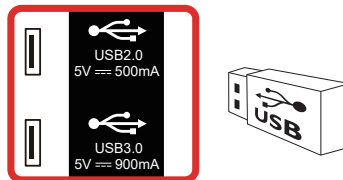


3.2. Connecting a PC

3.2.1. Using HDMI input



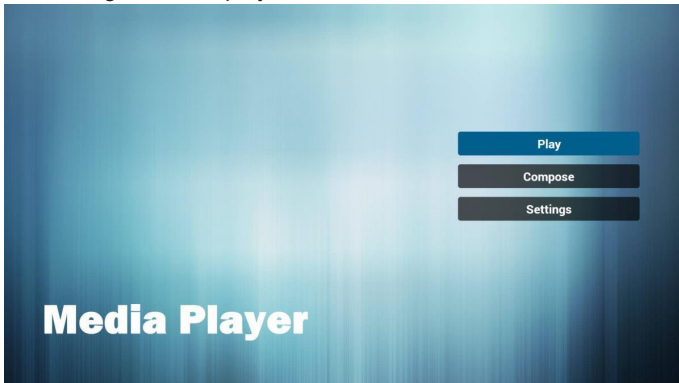
3.3. Connecting a USB Device



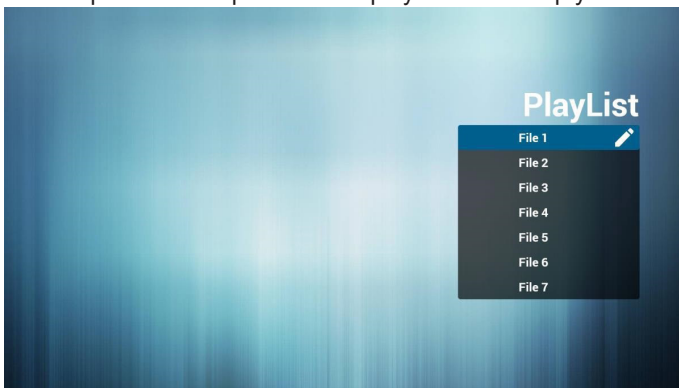
4. Operation

4.1. Media Player introduction:

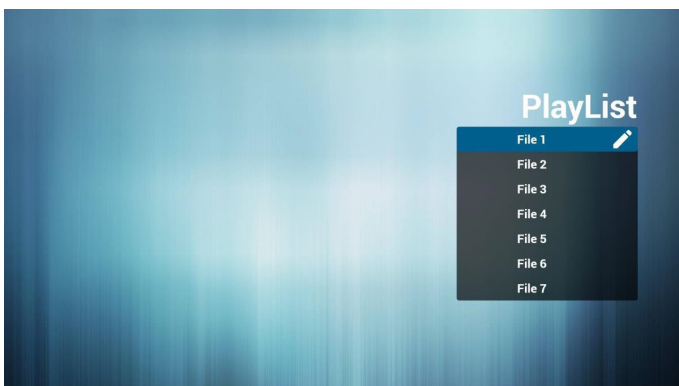
1. The front page of the media player, this page contains three items: "Play", "Compose" and "Settings".
Play: Choose to play the playlist.
Compose: Edit playlists.
Settings: Set the playback content.



2. Select the "Play" on the home page, and you should first select a playlist to play from File 1 to File 7.
The pencil icon represents the play list is not empty.



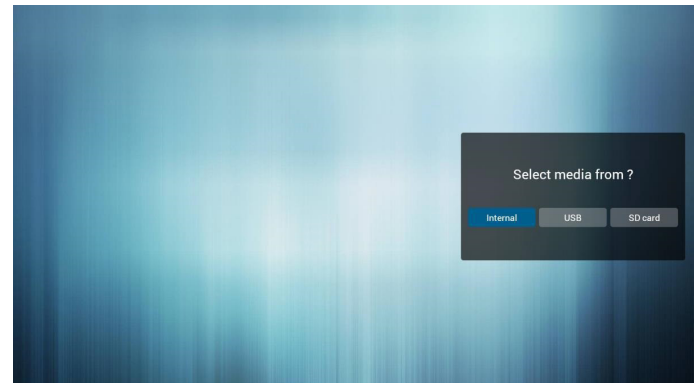
3. Select the "Compose" on the home page, and you should first select a playlist to edit from File 1 to File 7.
The pencil icon represents the play list is not empty.



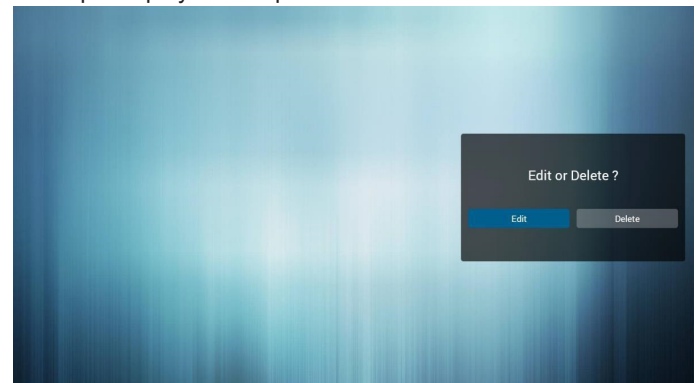
4. If you select the empty playlist, the application will guide you to choose media sources.

All media files should be located in the root directory. For example:

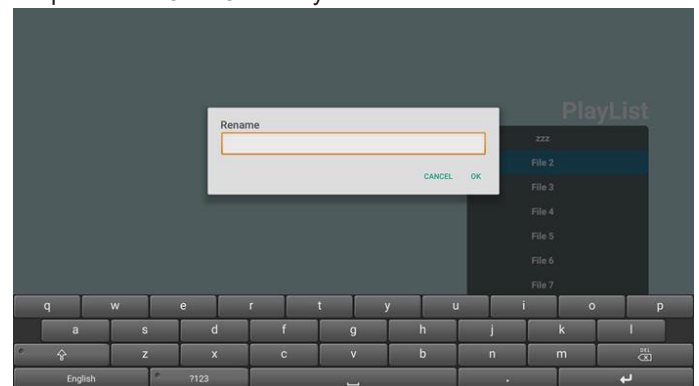
- Video at /root/movies/
- Photos /root/pictures/
- Music /root/music/



5. You can edit or delete non-empty playlists, just select the required playlist with pencil icons.



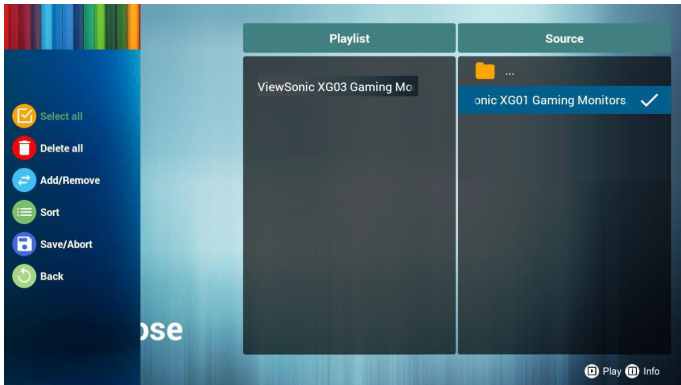
6. You could rename the playlist, just input new name after press the "OPTIONS" key on the remote control.



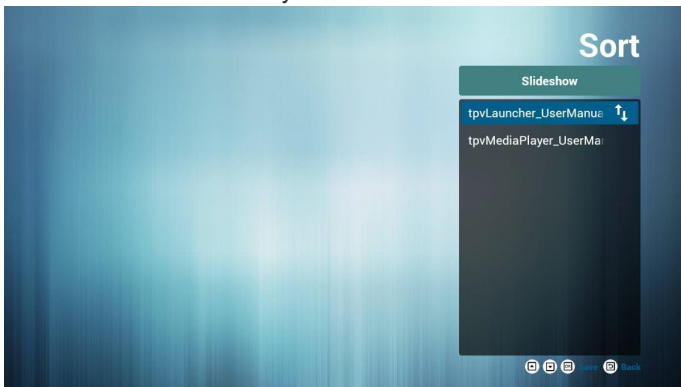
7. After you start editing the playlist, you will see the following screen.
Source - storage device files.
Playlist - playlist file.

7-1 in a scroll bar can help you to perform the following items:

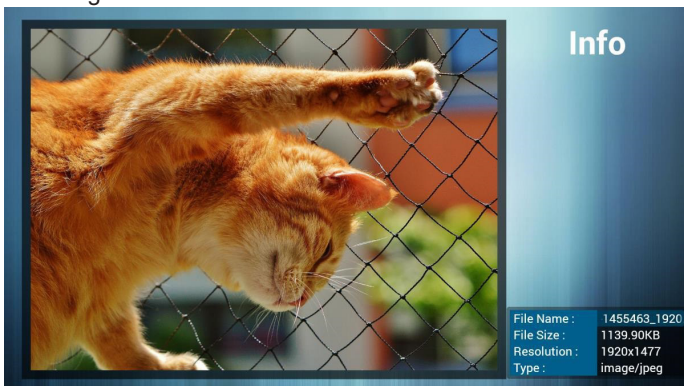
- Select all: Select all the storage file.
- Delete all: Delete all the playlist file.
- Add/Remove: Update from the playlist.
- Sort: Sort playlists.
- Save/Abort: Storage or suspend the playlist.
- Back: return.



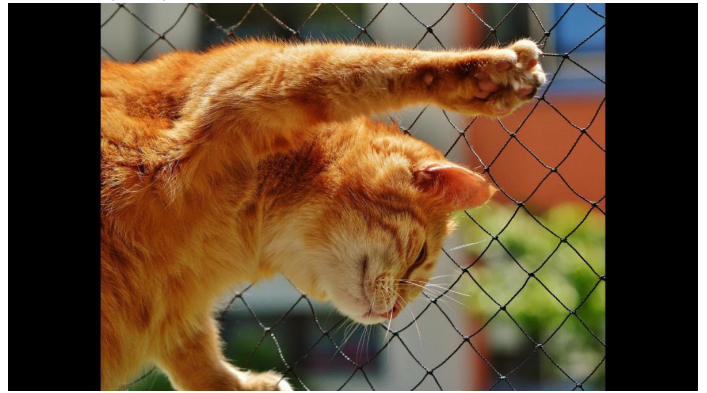
8. If you are in a scroll bar and select "Sort", you can change the order of files one by one.



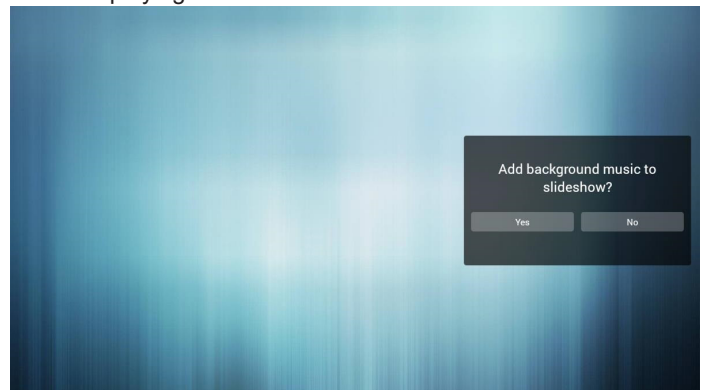
9. Choose the desired file information and press button, you can get information detail.



10. Choose the desired file and press the play button, you can directly play media files.



11. If you make a playlist containing all of the image files, the application will ask you if you want to play background music while playing the video.

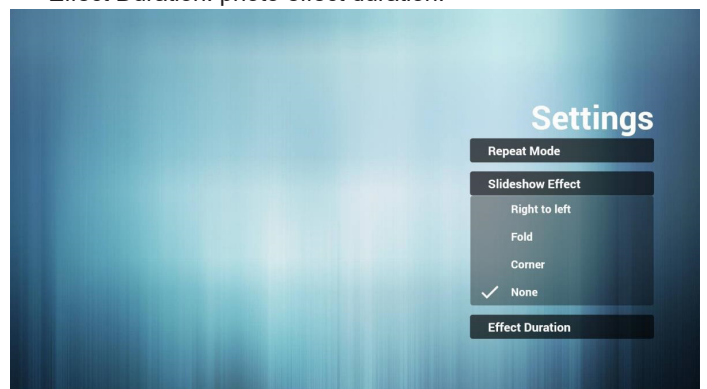


12. On the first page of "Settings", this page contains three parts: "Repeat Mode", "Slideshow Effect" and "Effect Duration".

Repeat Mode: playback mode.

Slideshow Effect: photo slide effect.

Effect Duration: photo effect duration.



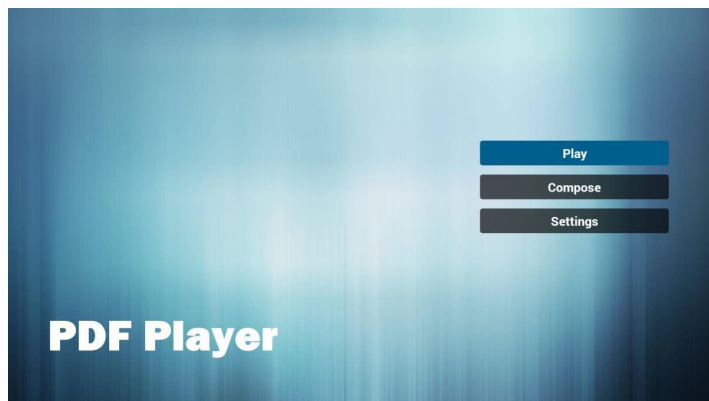
4.2. PDF reader play

1. Home page of Pdf app, this page has three items: "Play", "Compose" and "Settings".

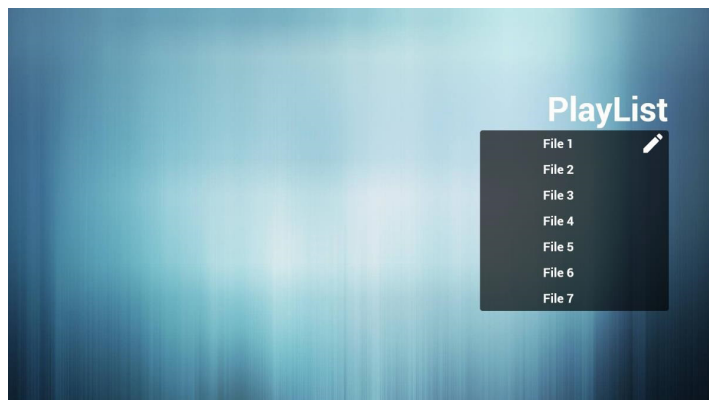
Play : Select playlist to play.

Compose: Edit playlist.

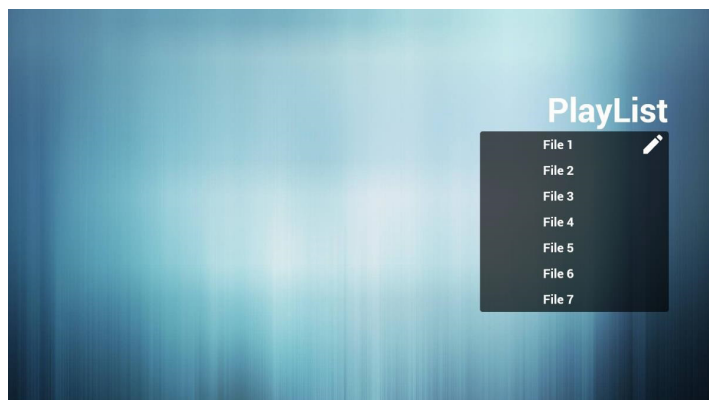
Settings: Setting play properties.



2. Select "Play" on home page, first you should choose one playlist to play from File 1 to File 7.
The pencil icon means the playlist is non-empty.



3. Select "Compose" on home page, first you should choose one playlist to edit from File 1 and File 7.
The pencil icon means the playlist is non-empty.

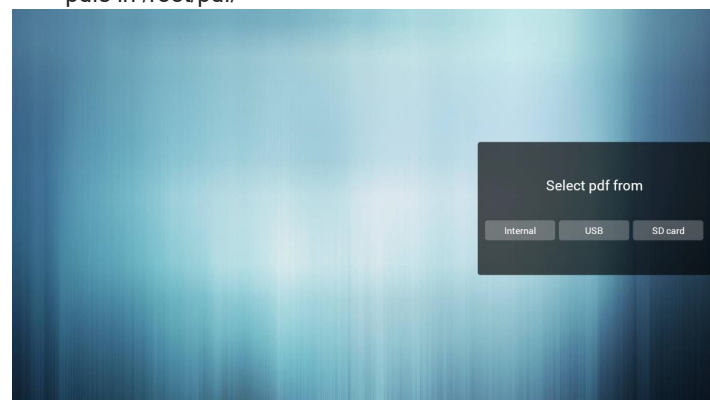


4. If an empty playlist is chosen, the app will guide you to select the media source.

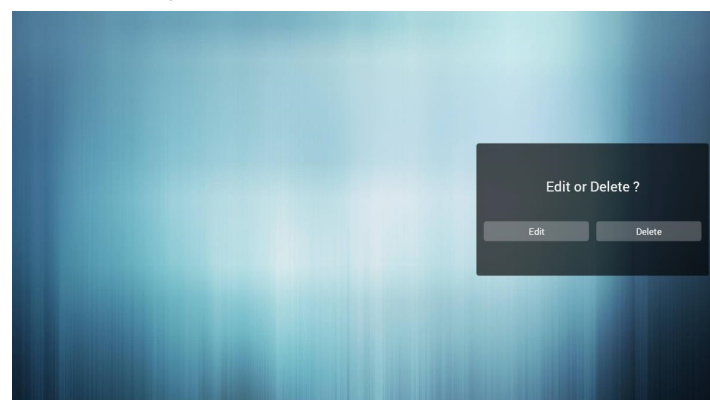
All media files should be placed in root directory.

For example,

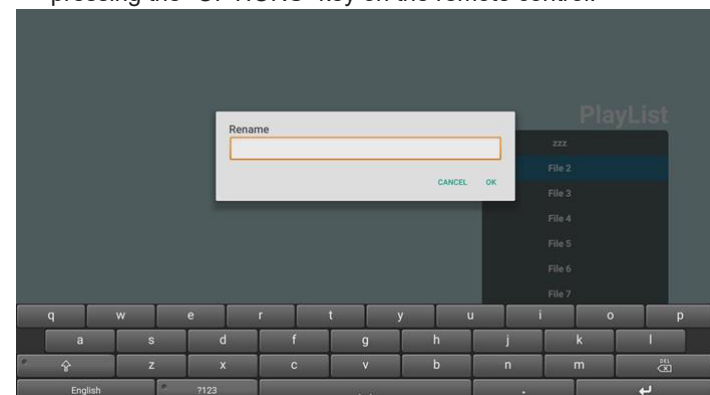
- pdfs in /root/pdf/



5. You could edit or delete a non-empty playlist, just choose the desired playlist with pencil icon.

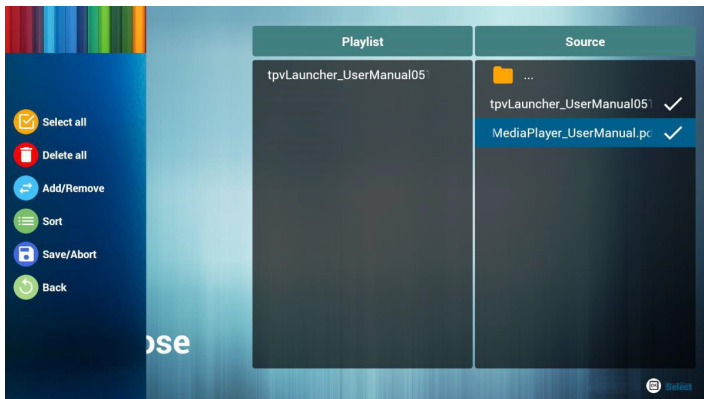


6. You could rename the playlist, just input new name after pressing the "OPTIONS" key on the remote control.

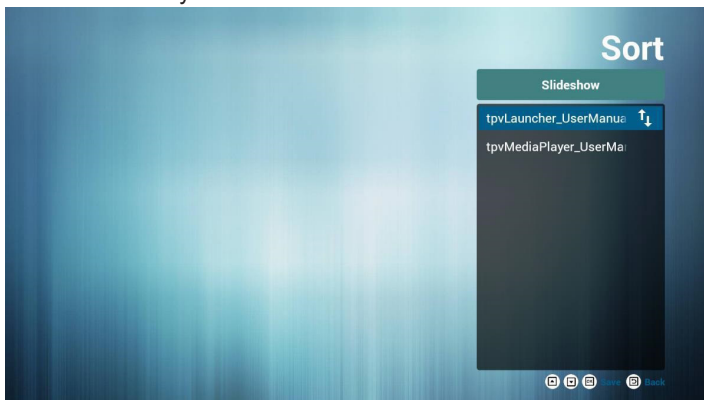


7. In the slide bar, it helps you to do the following:

- Select all : select all storage files.
- Delete all : delete all playlist files.
- Add/Remove : update playlist from source.
- sort : Sort playlist.
- Save/Abort : Save or abort playlist.
- Back: return.



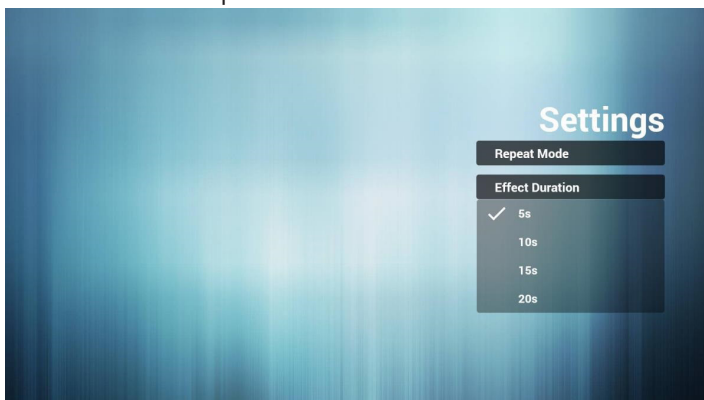
8. If you choose “Sort” in the sidebar, you can change the order of files one by one.



9. Select “Settings” on home page, this page has two parts, “Repeat Mode” and “Effect Duration”.

Repeat Mode : play mode.

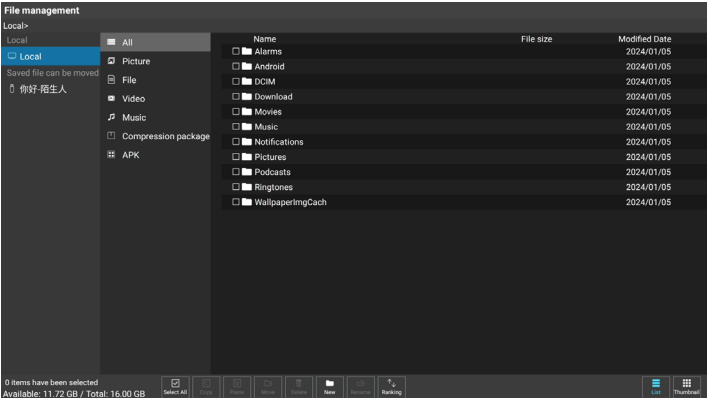
Effect Duration : photo effect duration.



4.3. File Browser

4.3.1. Go to the File Browser page

1. Press the USB shortcut on the remote control.
2. Or, press the Source until you reach the last USB source.

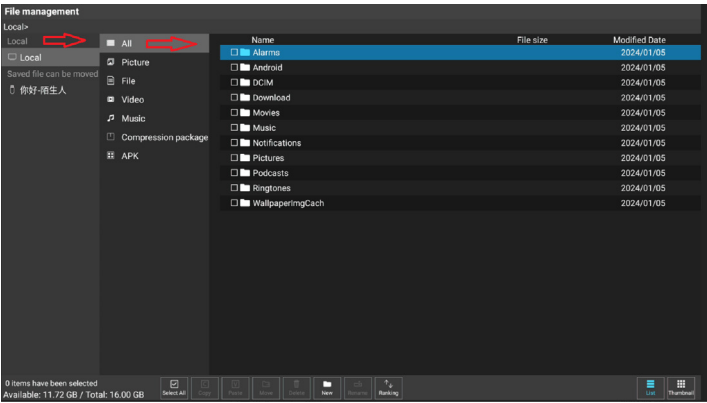


This menu was developed for full-screen use, so use the Left and Right keys to go to the previous or next menu level, rather than the Back key. The Back key will exit the browser.

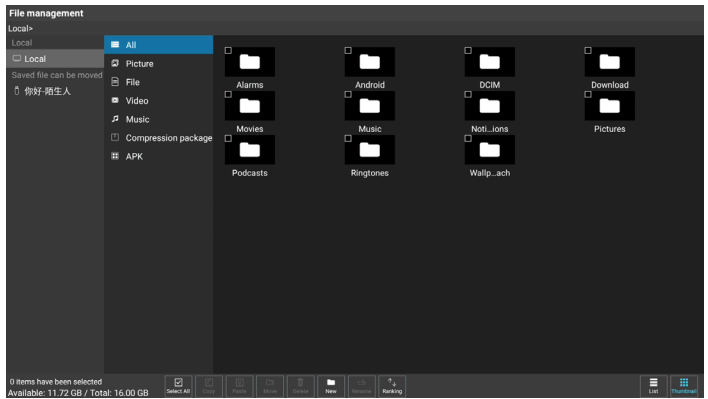
Storage capacity description: The available capacity and total EMMC size are displayed under the root directory. After entering the secondary directory (file system), you will see the amount of memory available and the file system size.

4.3.2. Switch views

1. Move right to the folders in column 3.
2. Move down to the thumbnail.

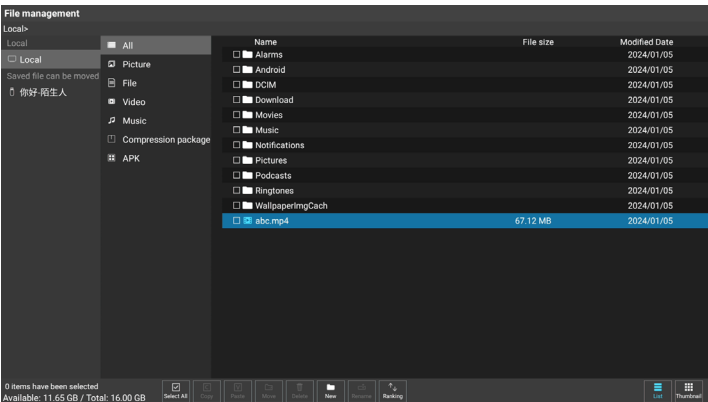
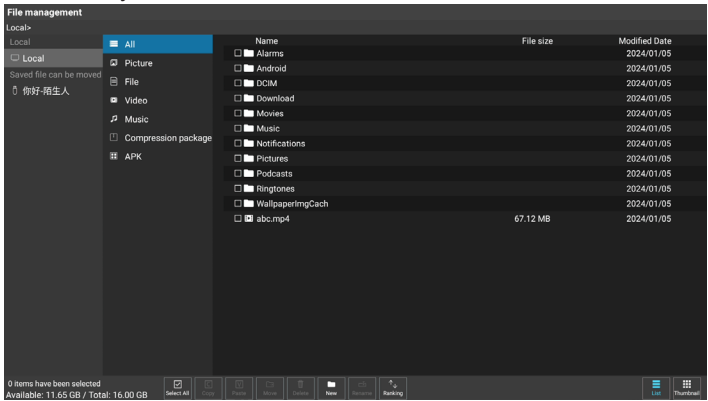


3. Press the OK key to switch between views.

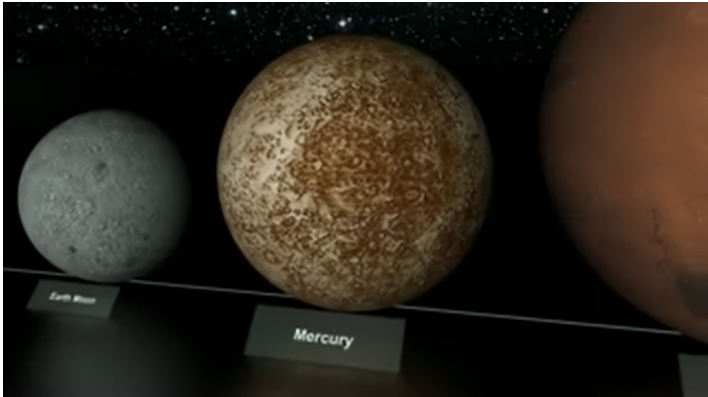


4.3.3. Using the remote control

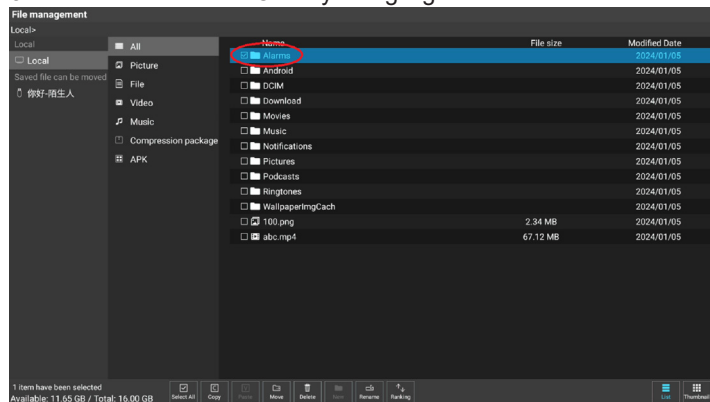
1. Highlight a directory and press OK to go to the next level of the directory.



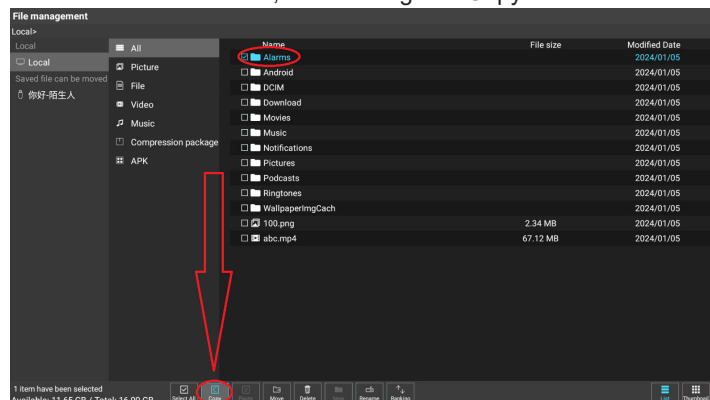
2. Short press OK to open the file.



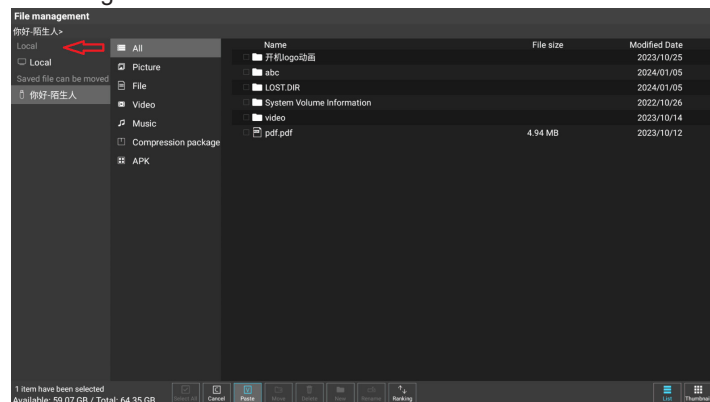
3. Press and hold the OK key to highlight the file or folder.



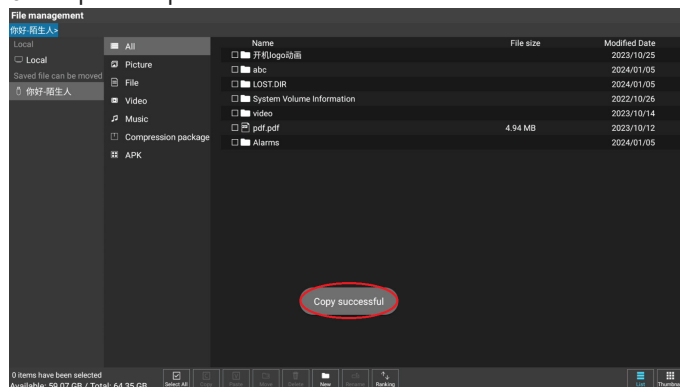
4. Move down to the list, and then right to Copy.



5. Move up and to the left to return to the parent directory, or go left again to return to the root directory and select internal storage.



6. Repeat Step 4 and select Paste.



Important Note: This menu was developed for full-screen use, so use the Left and Right keys to go to the previous or next menu level, rather than the Back key. The Back key will exit the browser.

4.4. Introduction to AOC Cloud CMS Software

- 1. The following is the main functional interface of the CMS software. It is used for program media playback from the cloud server. Please contact your dealer for instructions on the proper use of the software.
- 2. Figure 1 shows the main interface: Used play content edited in the cloud.
Primary display states: Information about the currently connected network. Cloud server connection status. Equipment authorization status.
- 3. Figure 2 shows the terminal details interface: From the main interface (Fig. 1), short-press Option on the remote control to bring up this interface. This interface mainly displays the terminal name, terminal IP address, and terminal MAC address.
Description of button functions (from left to right):
Switch languages: Currently, the software supports Simplified Chinese, Traditional Chinese, English, Indonesian, and Russian.
Network settings: Jump to the system's network settings interface to set up a network connection.
Terminal configuration: This is used to configure cloud server information for cloud-edited content.
- 4. Figure 3 shows the server connection configuration interface: Click "Terminal Configuration" in the interface shown in Figure 2 and fill in the CMS server address and authentication key so that you can connect to the cloud server and complete authentication.

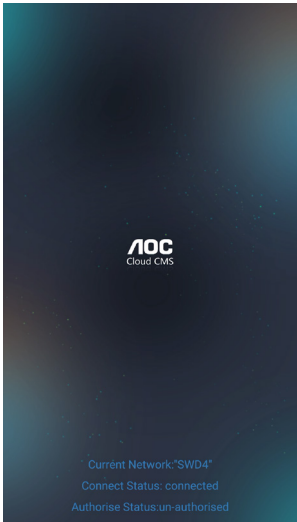


Figure 1

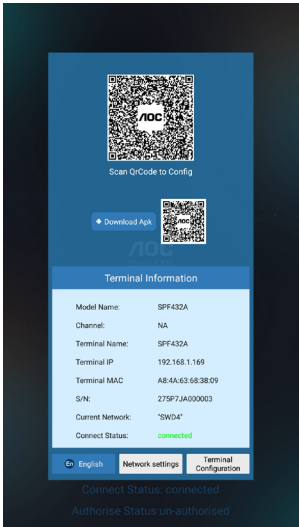


Figure 2

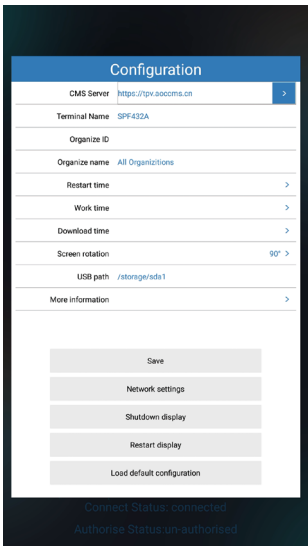


Figure 3

Notes:

- 1. Press the "Options" key on the remote control to go to the interface shown in Fig. 2.
- 2. This function cannot be used with the USB AutoPlay application because the two functions are for different scenarios. In the event of a conflict, we recommend you disable the USB playback function when using the Cloud CMS app.
- 3. These images are for reference only and may differ from the actual interface display.

4.5. Operation on the OSD menu:

Column 1	Column 2	Column 3	Column 4	Notes
Connection	Ethernet	Ethernet		
		Connection Type	DHCP / Static IP	
		MAC Address		
		IP Address		
		Netmask		
		DNS Address		
		Gateway		
	WiFi	WiFi	Add network	
		MAC Address		
	Bluetooth	Bluetooth Switch		
		Bluetooth name		
		Paired devices		
		Available devices		
	Hotspot	hotspot		
		Hotspot Name		
		password		
	Proxy	Proxy		
		Proxy server host		
		Proxy server port		
	RS232	RS232 Control		
		RS232 Source	RS232/IOT	
	Lan to RS232	Lan to RS232		
		Server IP		
		Server Port		
	Monitor ID			

Picture	Picture Mode	Airport and train station/Hotel and convenient store/ Dining and clothing/ Security control and monitoring/Office/ Outdoor/Customize		
	Brightness	0~100		
	Black Level	0~100		
	Contrast	0~100		
	Sharpness	0~100		
	Color Temperature	Standard/Warm/Cool/ Native/User	R Gain/G Gain/B Gain	
	Eye Protect Mode			
	Black and White Mode			
	HDMI RGB Range	Auto/Full Range/ Limited Range		
	Aspect ratio	Full/Real/4:3/14:9		
	PC Mode	Auto/PC/Video		"If the system automatically detects an error in PC Timing or Video Timing, the timing can be switched manually, and the option will be grayed out when there is no signal." If the resolution appears abnormal in terms of color, this can often be resolved by switching between PC/ Video mode.
	Over Scan	-12~12		
	Pixel Shift			
	Polish Screen	On/Off		
	Polish Type	Power On Start Time Start		
	Polish Time	Hour: minute		
	Picture Reset			
Audio	Volume	0~100		
	Sound Mode	Standard/News/Music/ Movie/User		
	Balance	-50~50		
	Treble	-8~8		
	Bass	-8~8		
	Audio Reset			

System	Time	Date and Time	Automatic Date & Time	
			Set Date	
			Set Time	
			Time zone	
			NTP Server	
		Schedule Settings		
		Sleep Time	Off/10 Minutes/ 20 Minutes/30 Minutes/ 1 Hour/1.5 Hour/2 Hour	
		Auto Sleep	Off/10 Seconds/ 30 Seconds/60 Seconds/ 180 Seconds	
		Screensaver		
		Screensaver Resources		
	Language	简体中文 / 繁體中文 / English/Indonesian		
	Desktop	Wallpaper		
		Screen Orientation	0°/90°/180°/270°	Some timing settings are not supported for HDMI source matching.
		Default Home	Default Home Screen/AOC Cloud CMS	
	regular clean system	close/3 day/7 day/14 day/30 day		
	Key Lock			Default Password: 0000 Admin Password: 6098 When Key Lock is set to on: Step 1: After 15s without operations, remote control, button, and mouse functions are locked. Step 2: After functions are locked, press and hold the Menu key for 5s and enter the password to unlock temporarily. If you want to unlock completely, press the Menu key again (only if Key Lock is set to Off). Step 3: When no action is performed, repeat Step 1. Note: The power keypad must be locked
	Change Password			

Advanced	Auto Signal Detection	Auto Signal Detection		
		Input source first		
		Source Rank	Auto/Customize	
	HDMI Version	1.4/2.0		
	USB flash disk lock			
	Uplayer Setting			
	Quick Boot			
	Wake On Signal			
	Power On Mode	Power On/Standby/Last status		
	Boot on source	Home/HDMI1/HDMI2/Cloud CMS/PDF/Media/URL/USB/Custom/Last Source		Signal interfaces are machine-specific.
	Custom Source List	HDMI1/HDMI2/Cloud CMS/PDF/Media/URL/USB/Custom		
	Custom	Custom Logo		1. The user sets a custom static logo to display upon power on. 2. When set to ON: If the device cannot detect a logo.jpg file in the USB flash drive, a pop-up prompt appears: "Please insert a USB drive. The file must be stored in the root directory of the USB drive with the name: logo.jpg". 3. When set to ON: When the device detects a logo.jpg file in the USB drive, a pop-up screen will ask the user to confirm whether or not to replace the device logo. 4. When the device recognizes a USB key with the logo.jpg file on any interface and Custom Logo is set to ON: A pop-up screen will ask the user to confirm whether to replace the original logo. 5. After setting a custom power-on static logo, if Custom Logo is set to OFF, the device will switch back to the factory default logo. 6. After setting a custom static logo, you can unplug the USB drive and the custom logo will be displayed as normal.
		Custom Animation		
		Logo and Animation		
		Custom Applications		
		Select APP	Not selected/Chromium/EsharePro/iMirror/PD Clone/Schedule	Based on actual machine

About	CPU	8 Core		
	Memory	4G		Based on actual machine
	Remaining space/ Storage space.	23.55GB/32.0G		Based on actual machine
	Serial Number			
	Total Time			
	Android Version	12		
	Software Version			
	System Update	Local Update		
		Online Update		When you switch from OFF to ON, a pop-up prompt will appear: "You must restart the system for this feature to take effect."
		OTA upgrade package status		
	Factory Reset			

Note: Do not power down within 15s after adjusting OSD function list settings, otherwise data may not be saved. Options may vary depending on the device model and particular device. The software portion of this manual is intended to be illustrative only. Subsequent software system upgrades may cause the actual interfaces to differ somewhat from those shown.

5. USB Device Compatibility

USB multimedia codec formats

Video decoding						
Type	Video codec	Container	Decode	Encode	Channel	Remark
MPEG1/2	MPEG1/2	File format: VOB	V			Supported image size: 48×48 to 1920×1080 pixels Maximum frame rate: 30fps Maximum bit rate: 80Mbps Audio codec: MP2, MP3
MPEG-4	MPEG4	File format: MKV, MP4, 3GP	V			Supported image size: 48×48 to 1920×1080 pixels Maximum frame rate: 30fps Maximum bit rate: 38.4Mbps Audio codec: MP2, MP3, AAC , (1) MS MPEG-4 v1/v2/v3 are not supported (2) GMC (Global Motion Compensation) is not supported
H.263	H.263	File format: 3GP, MP4	V			Supported image size: SQCIF(128x96), QCIF(176x144), CIF(352x288), 4CIF(704x576) Maximum frame rate: 30fps Maximum bit rate: 38.4Mbps Audio codec: MP3 (1) H.263+ is not supported
H.264	H.264	File format: MKV, MP4, 3GP,	V			Supported image size: 48×48 to 1920×1080 pixels Maximum frame rate: 30fps Maximum bit rate: 57.2Mbps Audio codec: MP2, MP3, AAC, (1) MBAFF is not supported
VC-1	VC1	File format: MKV	V			Supported image size: 48×48 to 1920×1080 pixels Maximum frame rate: 30fps Maximum bit rate: 45Mbps Audio codec: MP2, MP3, AAC, WMA

Audio decoding

Type	Audio codec	Container	Decode	Encode	Channel	Remark
MPEG audio	MPEG1/2/2.5 Audio Layer1/2/3	Decoding: MP1, MP2, MP3	V		2	Bit rate: 8Kbps~320Kbps, CBR and VBR Sampling rate: 8KHz~48KHz
Windows Media Audio	WMA v4, v4.1, v7, v8, v9, WMA Pro	Decoding: WMA	V		2	Bit rate: 8Kbps~320Kbps Sampling rate: 8KHz~48KHz WMA Pro, Lossless and MBR are not supported
AAC audio	MAIN, ADIF, ATDS Header AAC-LC and AAC-HE	File format: AAC, M4A	V		5.1	Bit rate: N/A Sampling rate: 8KHz~48KHz

Image decoding

Type	Image codec	Container	Decode	Encode	Channel	Remark
JPEG	JFIF file format 1.02	File format: JPG, JPEG	V			Decoding: Resolution 48×48 to 8176×8176 (1) Progressive scan is not supported (2) The software supports sRGB JPEG (3) The software supports Adobe RGB JPEG
GIF	GIF	File format: GIF	V			No restriction on resolution
PNG	PNG	File format: PNG	V			No restriction on resolution

Note:

- If the content's standard bit rate/frame rate is higher than the compatible FPS listed in the table above, audio or video playback issues may occur.
- Video content with a bit rate or frame rate higher than the rates specified in the table above may stutter during playback.

6. Input Mode

HDMI PC Mode

Standard Resolution	Enable Resolution		Refresh Rate	Pixel Rate	Aspect Ratio
	Horizontal Pixels	Vertical Columns			
VGA	640	480	60 Hz	25.175 MHz	4:3
			75 Hz	31.5 MHz	
WVGA	720	400	70 Hz	28.32 MHz	4:3
SVGA	800	600	60 Hz	40 MHz	4:3
SVGA	832	624	75 Hz	57.28 MHz	4:3
XGA	1024	768	60 Hz	65 MHz	4:3
WXGA	1280	720	60 Hz	74.5 MHz	5:3
SXGA	1280	1024	60 Hz	108 MHz	5:4
WXGA	1440	900	60 Hz	106.5 MHz	16:9
UXGA	1680	1050	60 Hz	146.25 MHz	16:10
HD1080	1920	1080	60 Hz	148.5 MHz	16:9
UHD	3840	2160	30 Hz	297 MHz	16:9
UHD	3840	2160	60 Hz	597 MHz	16:9

Recommended resolution: 3840*2160@60Hz

HDMI video mode:

Standard Resolution	Enable Resolution		Refresh Rate	Pixel Rate	Aspect Ratio
	Horizontal Pixels	Vertical Columns			
3840 x 2160 P 60 Hz	3840	2160	60 Hz	594 MHz	16:9
3840 x 2160 P 50 Hz	3840	2160	50 Hz	594 MHz	16:9
3840 x 2160 P 30 Hz	3840	2160	30 Hz	297 MHz	16:9
3840 x 2160 P 25 Hz	3840	2160	25 Hz	297 MHz	16:9
3840 x 2160 P 24 Hz	3840	2160	24 Hz	297 MHz	16:9
1080 P 59.94/60 Hz	1920	1080	60 Hz	148.5 MHz	16:9
1080 P 50 Hz	1920	1080	50 Hz	148.5 MHz	16:9
1080 P 29.97/30 Hz	1920	1080	30 Hz	74.25 MHz	16:9
1080 P 25 Hz	1920	1080	25 Hz	74.25 MHz	16:9
1080 P 23.97/24 Hz	1920	1080	24 Hz	74.25 MHz	16:9
1080 I 59.94/60 Hz	1920	1080	60 Hz	74.25 MHz	16:9
1080 I 50 Hz 16:9	1920	1080	50 Hz	74.25 MHz	16:9
720 P 50 Hz 16:9	1280	720	50 Hz	74.25 MHz	16:9
720 P 59.94/60 Hz	1280	720	60 Hz	74.25 MHz	16:9
576 I 50 Hz 4:3	720	576	50 Hz	13.5 MHz	4:3
576 I 50 Hz 16:9	720	576	50 Hz	13.5 MHz	16:9
480 I 59.94/60 Hz	720	480	60 Hz	13.5 MHz	4:3
576 P 50 Hz 4:3	720	576	50 Hz	27 MHz	4:3
576 P 50 Hz 16:9	720	576	50 Hz	27 MHz	16:9
480 P 59.94/60 Hz	720	480	60 Hz	27 MHz	16:9
480 P 59.94/60 Hz	720	480	60 Hz	27 MHz	4:3

7. Cleaning and Troubleshooting

7.1. Cleaning

Caution When Using the Display

- Do not bring your hands, face, or objects close to the ventilation holes of the display. The top of the display is usually very hot due to the high temperature of exhaust air being released through the ventilation holes. Burns or personal injuries may occur if any body parts are brought too close. Placing any object near the top of the display could also result in heat related damage to the object as well as the display itself.
- Be sure to disconnect all cables before moving the monitor. Moving the monitor with its cables attached may damage the cables and thus cause fire or electric shock.
- Disconnect the power plug from the wall outlet as a safety precaution before carrying out any type of cleaning or maintenance procedure.

Front Panel Cleaning Instructions

- The front of the display has been specially treated. Wipe the surface gently using only a cleaning cloth or a soft, lint-free cloth.
- If the surface becomes dirty, soak a soft, lint-free cloth in a mild detergent solution. Wring the cloth to remove excess liquid. Wipe the surface of the display to remove dirt. Then use a dry cloth of the same type to dry.
- Do not scratch or hit the surface of the panel with fingers or hard objects of any kind.
- Do not use volatile substances such as inert sprays, solvents, and thinners.

Cabinet Cleaning Instructions

- If the cabinet becomes dirty, wipe it with a soft, dry cloth.
- If the cabinet is extremely dirty, soak a lint-free cloth in a mild detergent solution. Wring the cloth to remove as much moisture as possible. Wipe the cabinet. Use another dry cloth to wipe over until the surface is dry.
- Avoid cleaning plastic parts with any solution containing grease, as contact with grease may lead to deterioration and cracking.
- Do not allow any water or detergent to come into contact with the surface of the display. If water or moisture gets inside the unit, operating problems, electrical, and shock hazards may result.
- Do not scratch or hit the cabinet with fingers or hard objects of any kind.
- Do not use volatile substances such as insect sprays, solvents and thinners on the cabinet.
- Do not place anything made from rubber or PVC near the cabinet for any extended period of time.

7.2. Troubleshooting

Symptom	Possible Cause	Solution
No picture is displayed	1. The power cord is disconnected 2. The main power switch on the back of the display is not switched on. 3. The selected input has no connection. 4. The display is in standby mode.	1. Plug in the power cord. 2. Make sure the power switch is switched on. 3. Connect a signal connection to the display.
Interference displayed on the display or audible noise is heard	Caused by surrounding electrical appliances or fluorescent lights.	Move the display to another location to see if the interference is reduced.
Color is abnormal	The signal cable is not connected properly.	Make sure that the signal cable is attached firmly to the back of the display.
Picture is distorted with abnormal patterns	1. The signal cable is not connected properly. 2. The input signal is beyond the capabilities of the display.	1. Make sure that the signal cable is attached firmly. 2. Check the video signal source to see if it is beyond the range of the display. Verify that the specifications comply with the information in this display's specification section.
Display image doesn't fill up the full size of the screen	1. The zoom mode is not set correctly. 2. Scan Mode may be set incorrectly to Full Scan. 3. If the image exceeds the screen size, Scan Mode may need to be set to Full Scan.	Use the Zoom mode or Custom zoom function in the Screen menu to fine tune the display effect and clock rate parameters.
Can hear sound, but no picture	Source signal cable is connected improperly.	Make sure that both video inputs and audio inputs are correctly connected.
Can see picture but no sound is heard	1. Source signal cable is connected improperly. 2. Volume is turned all the way down. 3. {Mute} is turned on. 4. No external speaker is connected.	1. Make sure that both video inputs and audio inputs are correctly connected. 2. Press the [+] or [-] button to hear sound. 3. Unmute the display by using the [Mute] button. 4. Connect external speakers and adjust the volume to a suitable level.
Some picture elements do not light up	Some pixels of the display are off.	This display is manufactured using an extremely high level of precision technology; however, sometimes some pixels of the display may not display. This is not a malfunction.
After-Images can still be seen on the display after the display is powered off. (After-images can include logos, video game images, computer images, and images displayed in 4:3 normal mode)	After-images are displayed for an extended period of time	Do not allow a still image to be displayed for an extended period of time as this can cause a permanent after-image to remain on the display.

8. Technical Specifications

SPX432

Item	Specifications
Screen Size (Active Area)	43 in (108 cm)
Aspect Ratio	16:9
Pixel pitch	3840 (H) x 2160 (V)
Visible area	0.2451 (H) x 0.2451 (V) [mm]
Displayable colors	1.07G(8 Bits+FRC)
Brightness (typical)	500 cd/m ²
Contrast ratio (typical)	1200:1
Viewing angle	178 degrees

General:

Item	Specifications
Internal memory	32GB eMMC
Power	100 - 240V~, 50 - 60Hz
Power consumption (max)	152 W
Power consumption (typical)	110 W
Dimensions (Without Stand) [W x H x D]	973 x 561.2 x 63.5mm

Environmental Conditions:

Item		Specifications
Temperature	Operations	0 ~ 40°C
	Storage	-20 ~ 60°C
Humidity	Operations	20 to 80% RH (No condensation)
	Storage	10 to 90% RH (No condensation)
Altitude	Operations	0 ~ 5,000 m
	Storage / Shipment	0 ~ 9,000 m

Internal Speakers:

Item	Specifications
Type	2
Input	8 W X 2
Impedance	8 Ω
Frequency Response	160 Hz ~ 13 KHz

Item	Specifications	
	SPX552	SPX652
Screen Size (Active Area)	54.6 in (138.7 cm)	64.5 in (163.9 cm)
Aspect Ratio	16:9	16:9
Pixel pitch	3840 (H) x 2160 (V)	3840 (H) x 2160 (V)
Visible area	0.315 (H) x 0.315 (V) [mm]	0.372 (H) x 0.372 (V) [mm]
Displayable colors	1.07G(8 Bits+FRC)	1.07G(8 Bits+FRC)
Brightness (typical)	500 cd/m ²	500 cd/m ²
Contrast ratio (typical)	5000:1	1200:1
Viewing angle	178 degrees	178 degrees

General:

Item	Specifications	
	SPX552	SPX652
Internal memory	32GB eMMC	32GB eMMC
Power	100 - 240V~, 50 - 60Hz	100 - 240V~, 50 - 60Hz
Power consumption (max)	240 W	236 W
Power consumption (typical)	190 W	195 W
Dimensions (Without Stand) [W x H x D]	1241.8 x 712.6 x 69.7mm	1462.3 x 837.3 x 93.4mm

Environmental Conditions:

Item		Specifications
Temperature	Operations	0 ~ 40°C
	Storage	-20 ~ 60°C
Humidity	Operations	20 to 80% RH (No condensation)
	Storage	10 to 90% RH (No condensation)
Altitude	Operations	0 ~ 5,000 m
	Storage / Shipment	0 ~ 9,000 m

Internal Speakers:

Item	Specifications
Type	2
Input	8 W X 2
Impedance	8 Ω
Frequency Response	160 Hz ~ 13 KHz

ESHARE USER MANUAL

Version 7.5

March, 2024

EShare Technology Co., Ltd.

Version History

Version	Date	Notes	Document Name
v1.0	Apr. 4, 2016	First release.	EShare User Manual v1
v2.0	Sep. 20, 2018	Add the feature description of multi screens.	EShare User Manual v2
v3.0	Sep. 27, 2018	Add the feature description of display group.	EShare User Manual v3
v4.0	Apr. 23, 2019	Add the new feature descriptions	EShare User Manual v4
v7.0	Nov. 26, 2019	Add the feature description of moderator control.	EShare User Manual v7
v7.1	Oct. 25, 2020	Add descriptions for the new features on ESharePro V7.1	EShare User Manual v7.1
v7.2	Dec. 15, 2021	Add guides for the latest WebCast feature.	EShare User Manual v7.2
v7.3	Sep. 6, 2022	Add the non-app casting guides for AirPlay, Miracast, Chromecast.	EShare User Manual v7.3
v7.4	Dec. 15, 2023	Content update for ESharePro v7.4.	EShare User Manual v7.4
v7.5	Mar. 22, 2024	Add guides for the lossless sharing feature, BYOM feature.	EShare User Manual v7.5

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1. About EShare

EShare is a full-featured and advanced multi-screen interactive software designed for casting, wireless display and remote control between mobile devices (like phones, tablets, laptops, etc.) and large displays.

1.1 Key Features

Feature Description	
Mirroring	Cast client device screens (iPhone, iPad, Android, MacBook, Chromebook, Windows, Ubuntu) to a large display and control them with the touch feedback feature. Users can interact with the client device by touching the large display, eliminating the need for any cables. enabling a seamless cable-free presentation and control experience.
File casting	Share any files (audio, video, photo, document, PDF) from mobile devices to large displays.
Remote Control	Support wireless control via wireless mouse, air mouse, keyboard, touchpad and remote controller, etc.
Camera	Cast the camera or microphone feed to a large display in real-time.
Wireless Annotations	Annotate the large display with client Apps in real-time.
TV Mirror	Mirror the large display to multiple client devices, and multi-touch to control the large display wirelessly from laptop/phone.
Multiple Screens	Cast multiple device screens to a large display simultaneously and the large display screen will be split automatically.
Display Group	Duplicate the main large display or casting screen to all grouped displays.
Moderator Mode	The moderator can determine what client devices to do mirroring, TV Mirror, annotations, etc.
AirPlay	Compatible with AirPlay feature of Apple devices.
DLNA	Supports Apps compatible with DLNA protocol.
Miracast	Supports screen casting and touch feedback for Windows laptops or Android phones that are compatible with the Miracast protocol
Chromecast	Supports Google Chrome browser, ChromeOS devices, Youtube App and Android phones to cast screen
WebCast	Share screens through a web browser on laptops without installing Apps.

1.2 Device Requirements

Please ensure the sender/client devices meet the following requirements.

- Android 7.0 or later
- Mac OS 10.9 or later
- iOS 9.0 or later
- Windows 7/8/10/11
- Chrome OS
- Ubuntu 12.04 or later

1.3 Network Requirements

1.3.1 Ports

This info can be useful for an advanced setups, enterprise networks, or troubleshooting.

EShare on your network use the following ports.

Port	Type	Service or Protocol	Used By
80/443	TCP	Hypertext Transfer Protocol (HTTP, HTTPS) Destination: casts.app gw.casts.app h1.ee-share.com	WebCast
1900	UDP	Simple Service Discovery Protocol (SSDP)	Bonjour
51010-51060	TCP	EShare Proprietary	EShare Apps, AirPlay
8121, 57395, 8080, 52025, 8600	TCP	EShare Proprietary	EShare Apps
48689	UDP	Device Discovery	EShare Apps
5353	UDP	Multicast DNS (MDNS)	Bonjour, AirPlay
10000-65535	UDP	DTLS Destination:	WebCast

Port	Type	Service or Protocol	Used By
		DNS: *.casts.app IPV4: 3.124.195.37 54.169.2.51 64.64.232.232 119.28.92.194 106.55.235.101	
8008, 8009	TCP	GoogleCast Proprietary	ChromeCast

1.3.2 Bandwidth Requirements

Mirroring (from Laptop or Phone to Large Display)

Maximum bitrate can be as high as 30Mbps, but average bitrates will be significantly lower. To get a reliable user experience, it is recommended to connect the large display using Ethernet and the laptop/phone using 5GHz Wi-Fi band.

TV Mirror and Display Group

The average bitrates of each TV Mirror or Display Group connection are around 4 Mbps. Reserve enough bandwidth accordingly. For example, a classroom with 40 devices using TV Mirror requires approximately 160Mbps of local traffic bandwidth (40 devices * 4 Mbps/device).

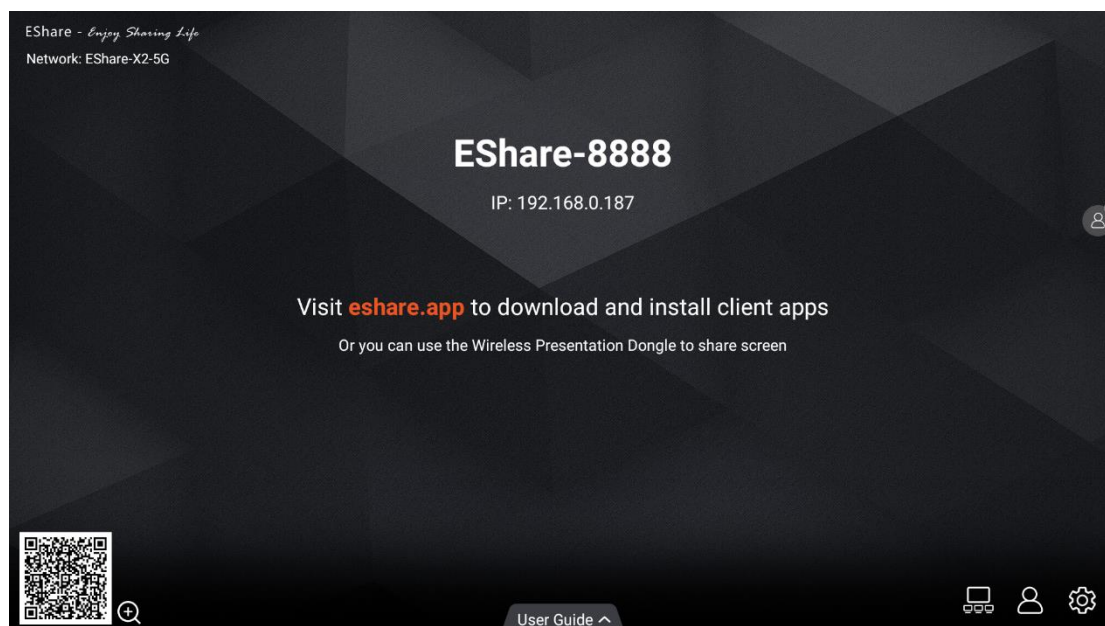
WebCast

The average bitrates of each WebCast connection are 4~5 Mbps. It's recommended to reserve a steady 5Mbps bandwidth for each WebCast Mirroring session.

2. EShare App

2.1 Download EShare App

Please ensure that your client device and the large display are connected to the same network, and then launch “ESharePro”. You can download the EShare app by scanning the provided QR-code or by visiting “eshare.app”.



2.2 Guide for Android/iOS

2.2.1 Connect to the Large Display

Please ensure that your client device and the large display are connected to the same network. There are four connection modes as follows.

- **Set “Device Name” as the connection mode (default setting):** launch the EShare app, and EShare will automatically discover the large display devices in the same network, and then select a device in the device list to connect to the large display.
- **Set “PIN Code (6 digits)/PIN code (8 characters)” as the connection mode:** launch the EShare app and enter the PIN code to connect to the large display.
- **Enter IP to connect:** enter the IP address of the receiver device to connect to the large display.
- **Scan QR-code to connect:** launch EShare app and scan the QR code to connect to the large display.

07:55 📶 🔋

Device List

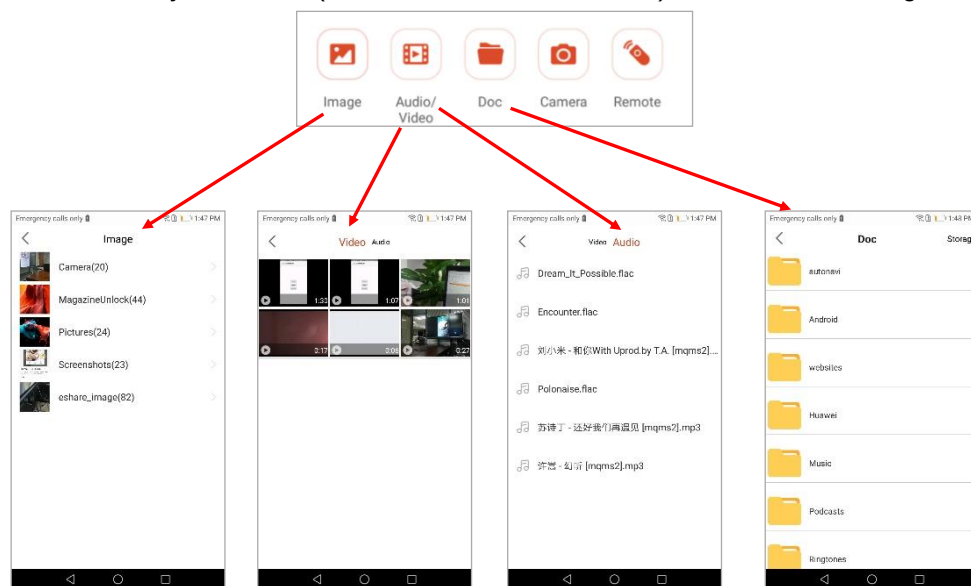
Enter "IP" or "PIN" code to connect >

EShare-118	192.168.0.205
EShare-2833	192.168.0.29
EShare-8164	192.168.0.166
EShare-85	192.168.0.195
EShare-8888	192.168.0.156
EShare-Itj	192.168.0.103

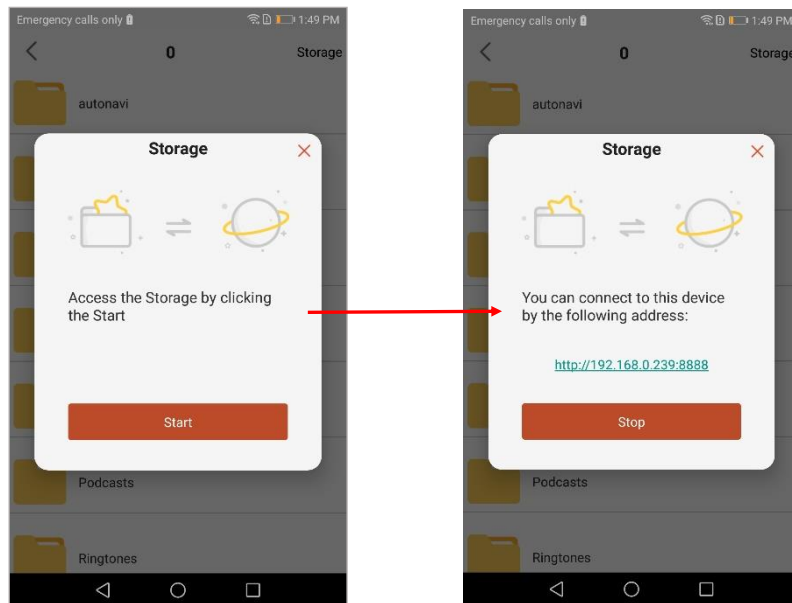


2.2.2 File Sharing

- **Image:** select any image to share it to the large display.
- **Audio/Video:** select any audio/video to share it to the large display.
- **Doc:** select any document (Word, PPT, Excel, TXT, etc.) to share it to the large display.

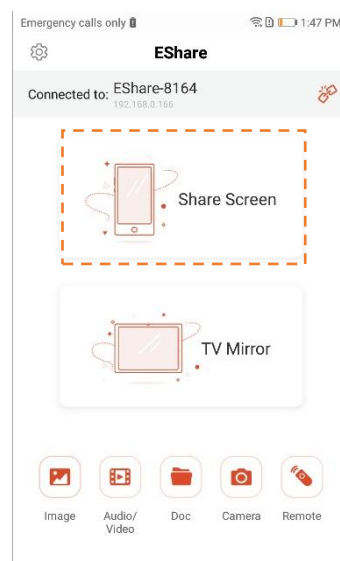


- **Storage:** tap "Storage" in the top right corner of Doc sharing page to start the wireless storage, and visit the URL showed on phone devices to upload files to the storage or download the files from it.

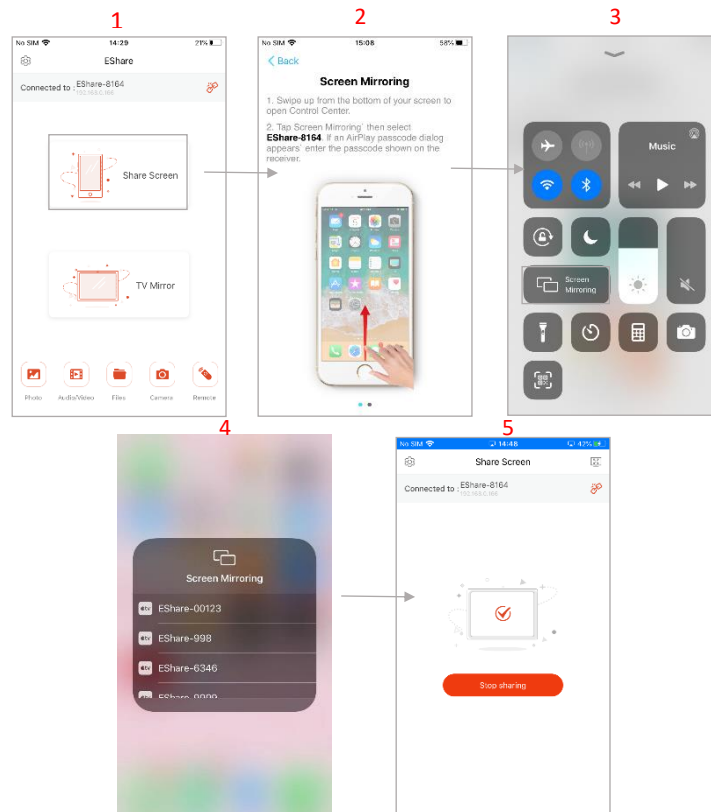


2.2.3 Share Screen

- **Android devices:** tap "Share Screen" to share screen to the large display.

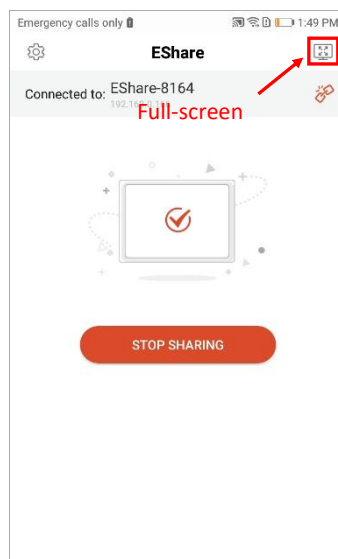


- **iOS devices:** tap "Share Screen" and follow the iOS screen sharing guide to share screen to the large display.



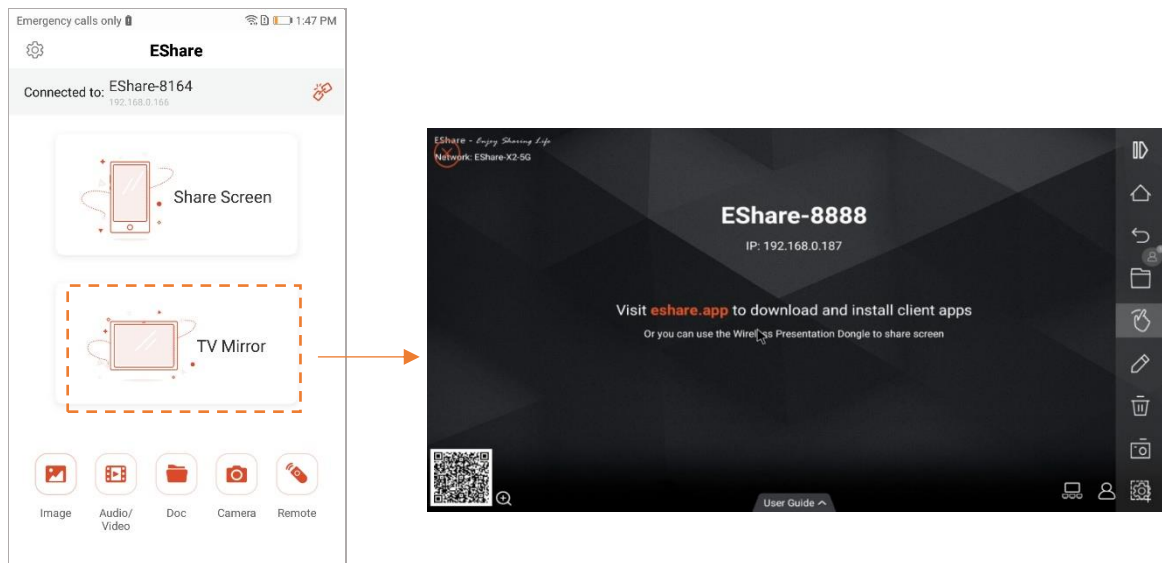
2.2.4 Full-Screen

Tap the full-screen button to display your screen exclusively on the large display, if two or more client devices are sharing the screen.



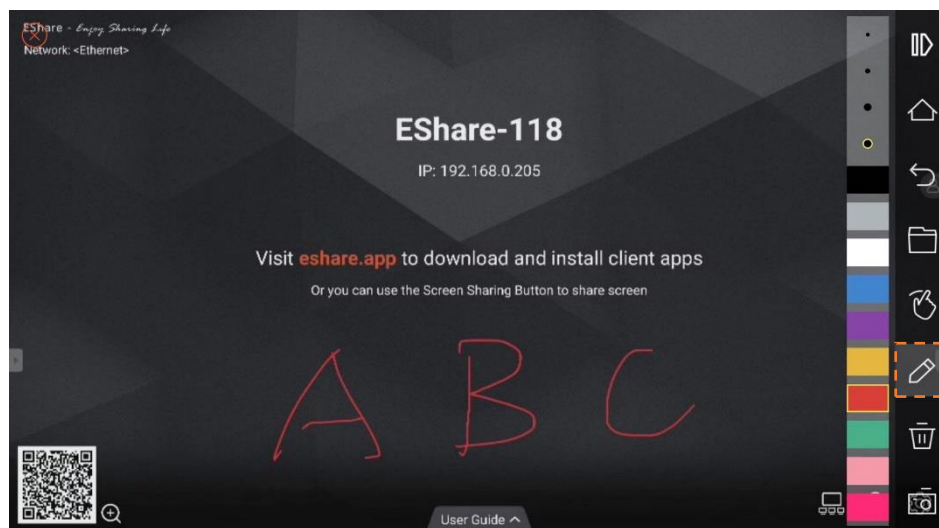
2.2.5 TV Mirror

Tap "TV Mirror" to mirror the screen of the large display to your phone and touch the phone to control the large display.



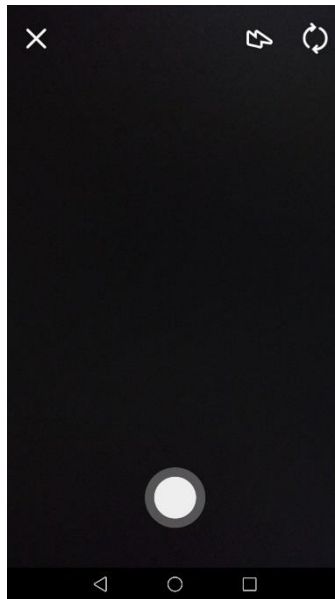
2.2.6 Wireless Annotations

Tap "TV Mirror", and then tap the writing pen button in the sidebar to start wireless annotations on the large display.



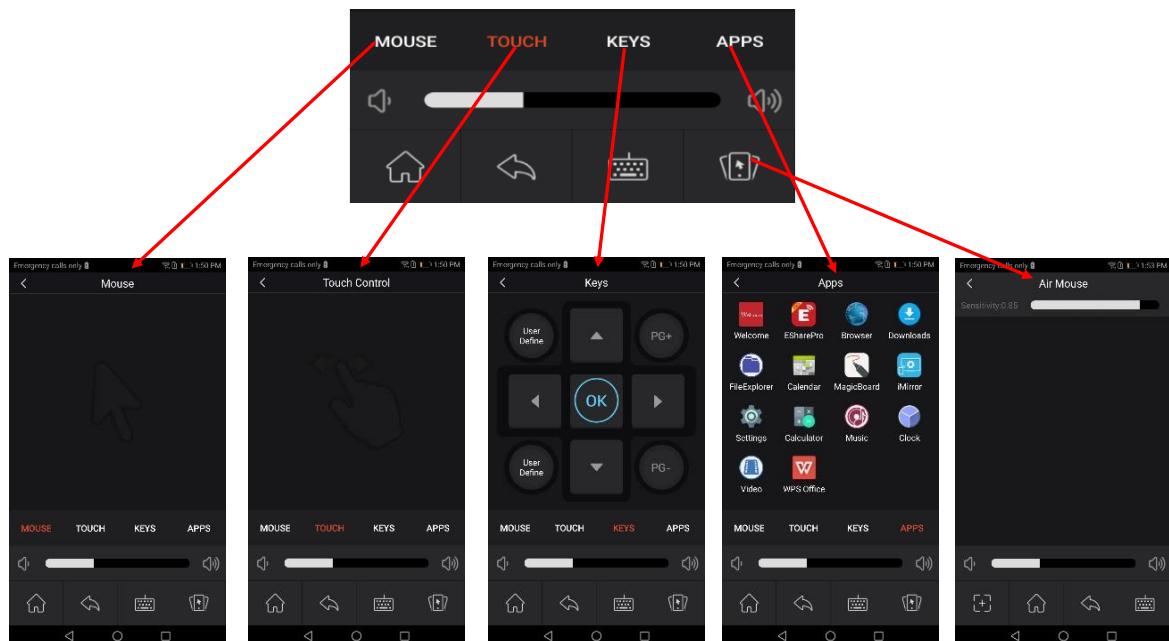
2.2.7 Camera

Tap "Camera" to share the photos or audio from your phone camera or microphone to the large display in real-time.



2.2.8 Remote Control

Tap “Remote” to act your phone as a wireless mouse, remote controller, keyboard, air mouse, etc.



2.2.9 Share Files from Other Apps to Large Display

In email, browser, file manager, and other applications, you can share files to the large display through EShare App.

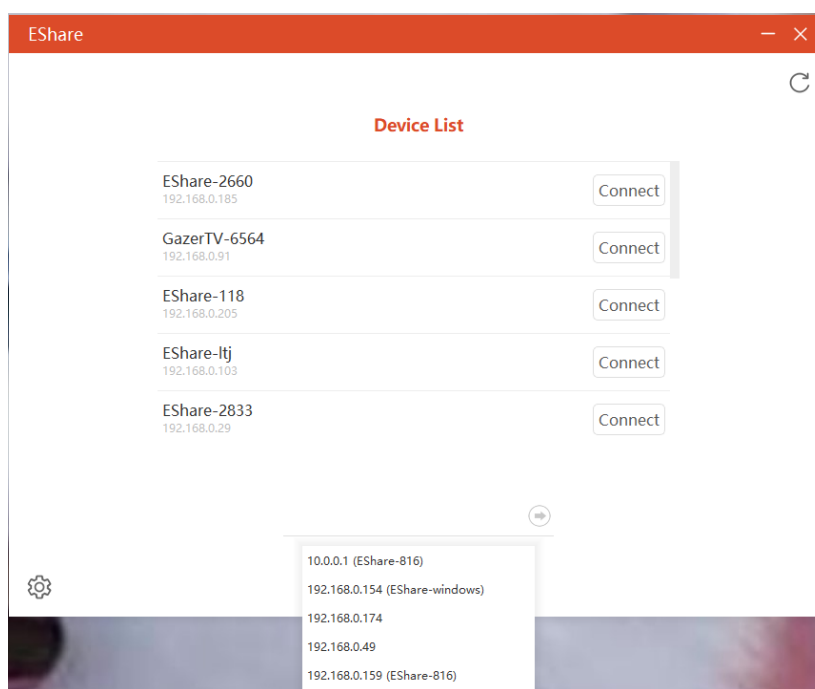
Or you can share files to the large display with other apps supporting DLNA.

2.3 Guide for Windows/macOS/Chrome OS/Ubuntu

2.3.1 Connect to the Large Display

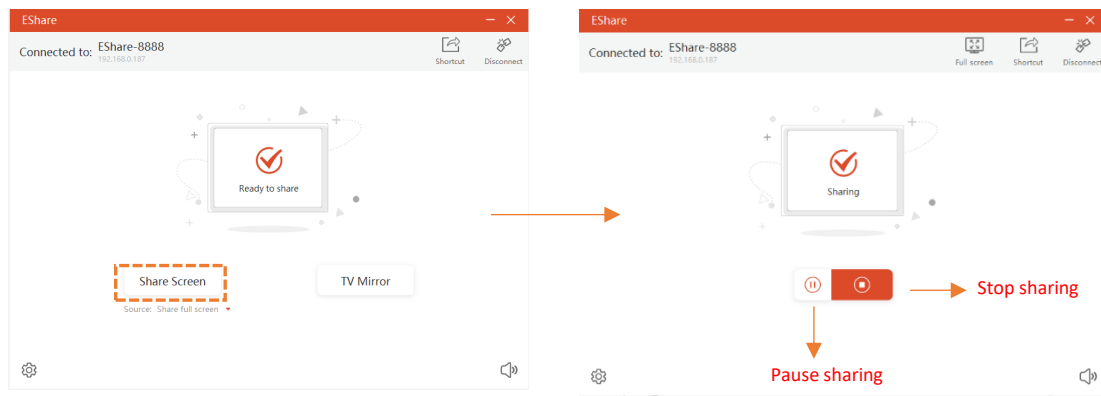
Please ensure that your Windows/macOS/Chrome OS/Ubuntu client devices and large display are connected to the same network. There are four connection modes as follows.

- **Set “Device Name” as the connection mode (default setting):** launch the EShare app, and EShare will automatically search for large display devices in the same network, and then select the device in the device list to connect to the large display.
- **Set “PIN Code (6 digits)/PIN code (8 characters)” as the connection mode:** launch the EShare app and enter the PIN code to connect to the large display.
- **Enter IP to connect:** enter the IP address of the receiver device to connect to the large display.
- **Select the device in the history list to connect:** click the input box “Enter IP or PIN code to connect” and you will see the history list (if any). Select the device to connect with to large display.

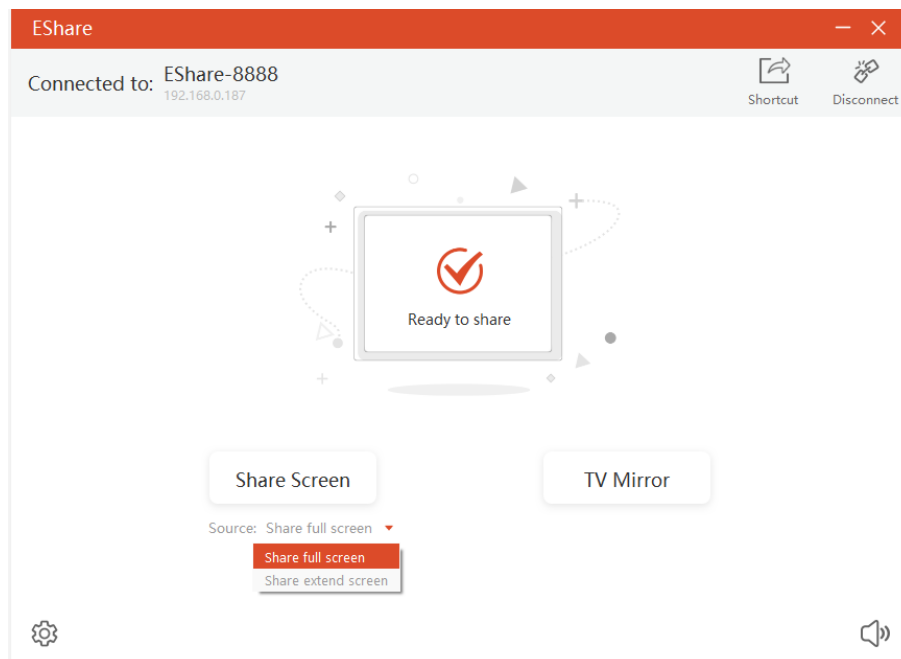


2.3.2 Share Screen

Tap "Share Screen" to share your PC screen to the large display, and touch to control client devices from the large display.

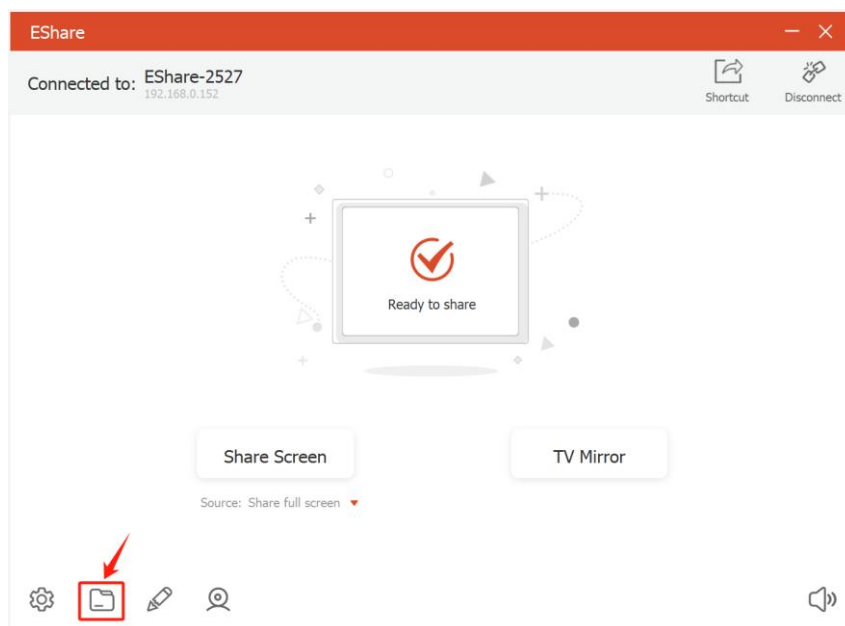


- **Share extend screen (for Win 10 1607 or later):** for Windows users, you can click “Source” to select “Share extend screen” to just share your extend screen to the large display.



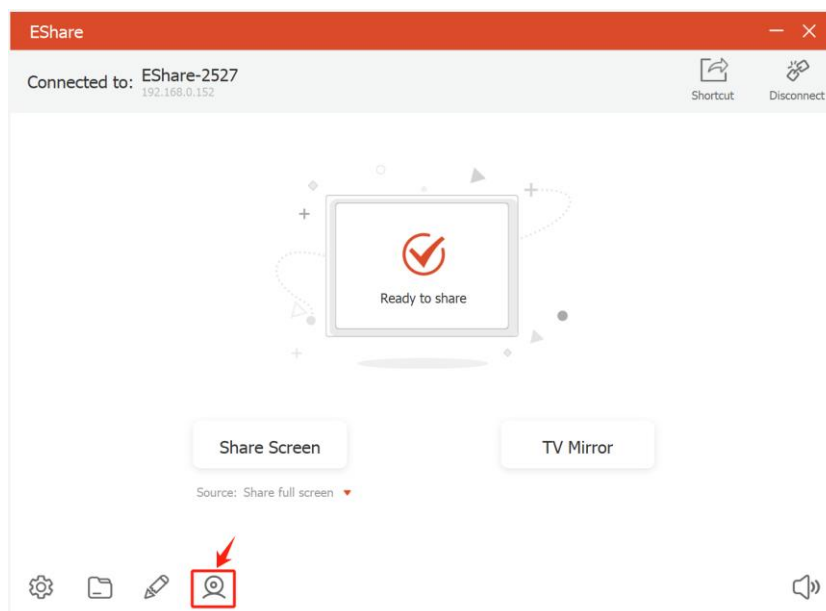
2.3.3 Lossless Sharing

Enhance your sharing experience by effortlessly transferring any documents or media files to the large screen with pristine clarity. Simply click the folder icon at the bottom left corner, select the desired files(including photos, videos, documents, PDFs, etc.), and witness them displayed on the big screen with 100% fidelity, maintaining the original content quality.



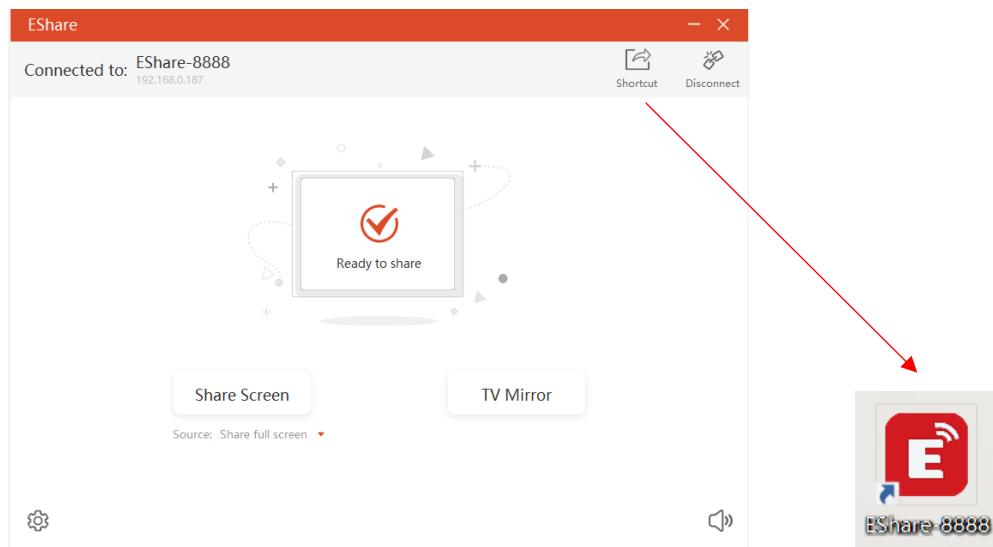
2.3.4 BYOM feature

Unlock a new level of versatility with the BYOM feature. When a camera device is connected to the large display, the Camera icon on the app becomes clickable. Activate the BYOM Camera function by tapping the icon, enabling you to use the camera on your laptop for online meetings. Compatible with various online meeting platforms such as Teams, Zoom, Google Meet, and more, seamlessly integrating your large screen into your virtual meetings.



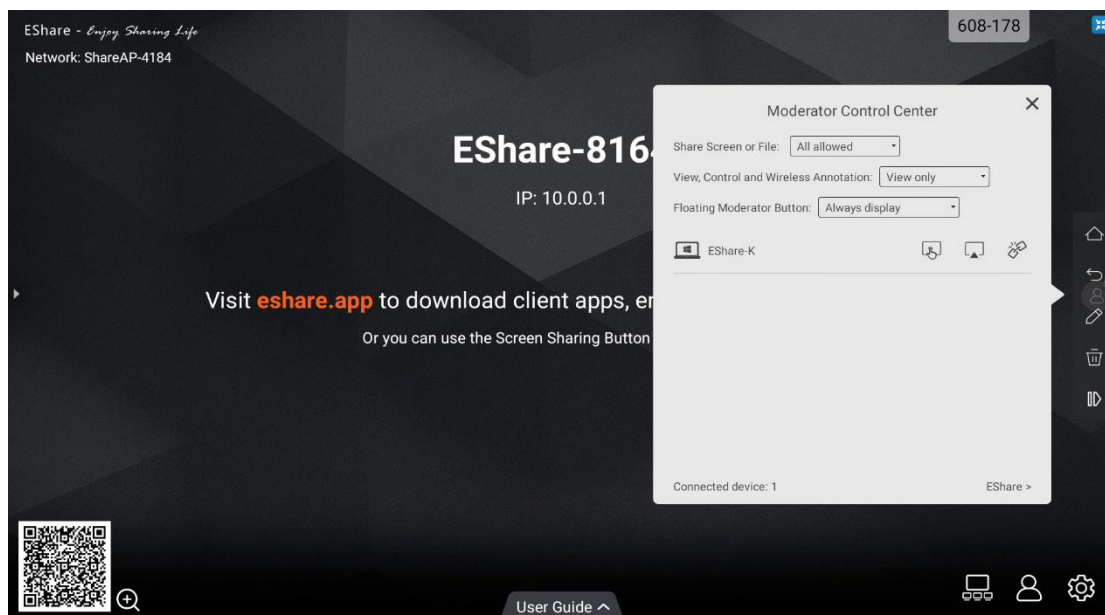
2.3.4 Desktop Shortcut for Quick Screen Sharing

After connecting with the receiver device, click the "Shortcut" button (only for Windows) to create a shortcut named as the receiver device name. Run this shortcut on the desktop to quickly share the screen to the specific large display.



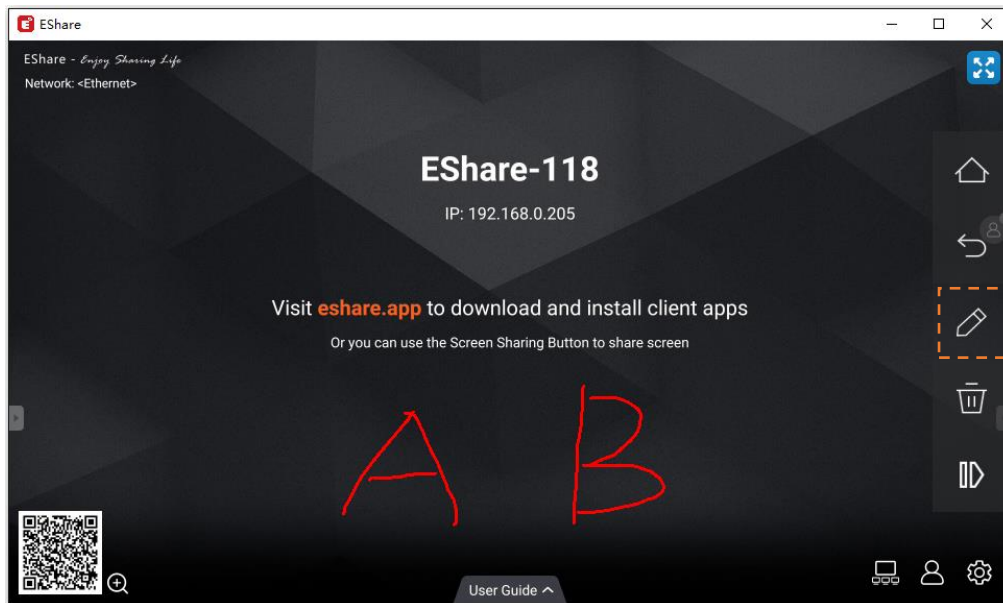
2.3.5 TV Mirror

Tap "TV Mirror" to mirror the screen of the large display to your PC, and control the large display on the PC side.



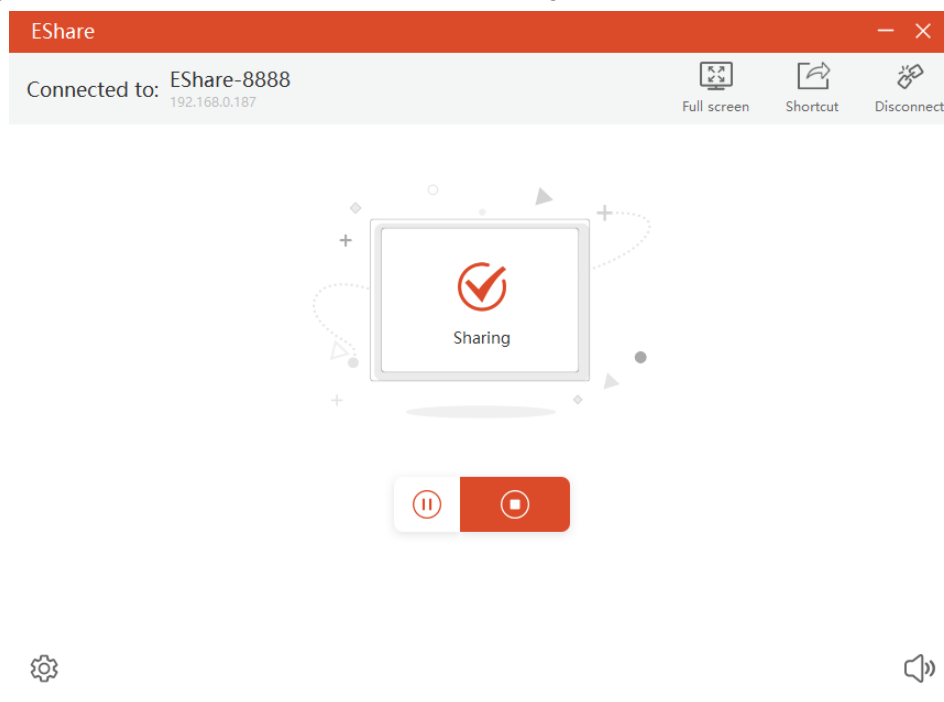
2.3.6 Wireless Annotations

Tap "TV Mirror", and tap the writing pen button in the sidebar to start wireless annotations on the large display from the PC.



2.3.7 Full Screen

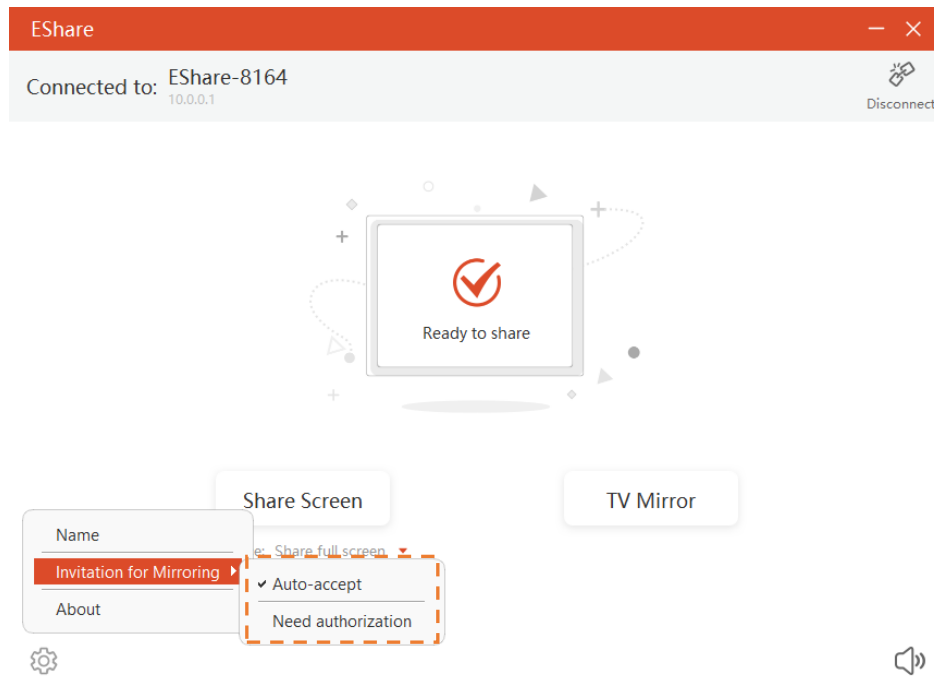
You can click the full-screen button to display your screen exclusively on the large display, even if two or more client devices are sharing the screen.



2.3.8 Invitation for Mirroring

Click "Invitation for Mirroring" in Settings and there are two following options for you:

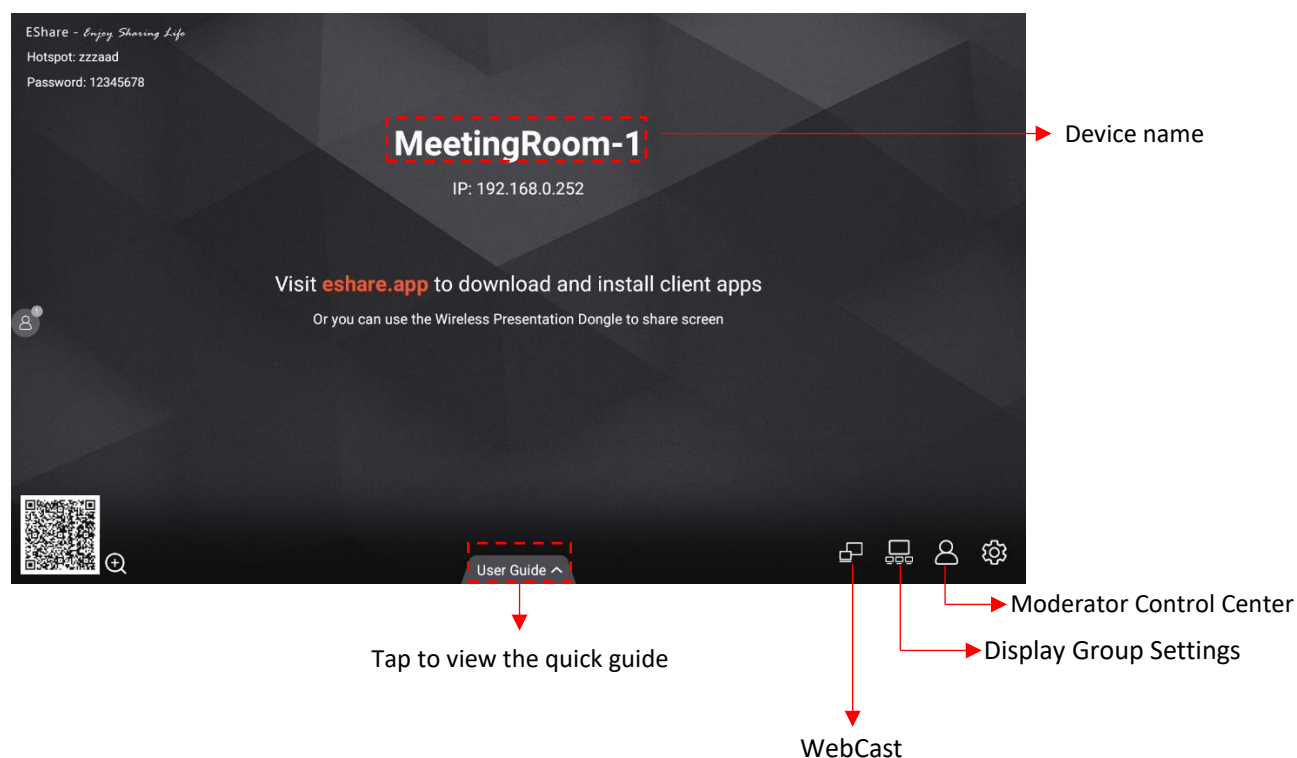
- **Auto-accept:** accept the moderator's invitation for screen sharing automatically. When the moderator taps the button "Share Screen" in Moderator Control Center, your PC screen will be displayed on the large display.
- **Notify me:** when the moderator taps the button "Share Screen" in Moderator Control Center, your PC screen won't be displayed on the large display until you accept the invitation.



3. ESharePro Receiver

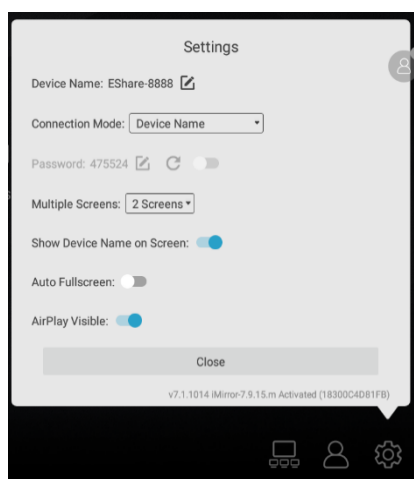
3.1 Key Features

As shown in the figure below, the main page of ESharePro receiver will show the network name, QR-code, device name, IP address, quick guide and so on. In the bottom right, three main options of the Display Group, Moderator Control Center and Settings are designed.



3.2 Settings

In the Settings page of ESharePro, you can customize the device name, connection mode, multiple screens and so on.



Show Device Name on Screen: if the switch is ON, the client device name will be shown on the top left of the receiver device.

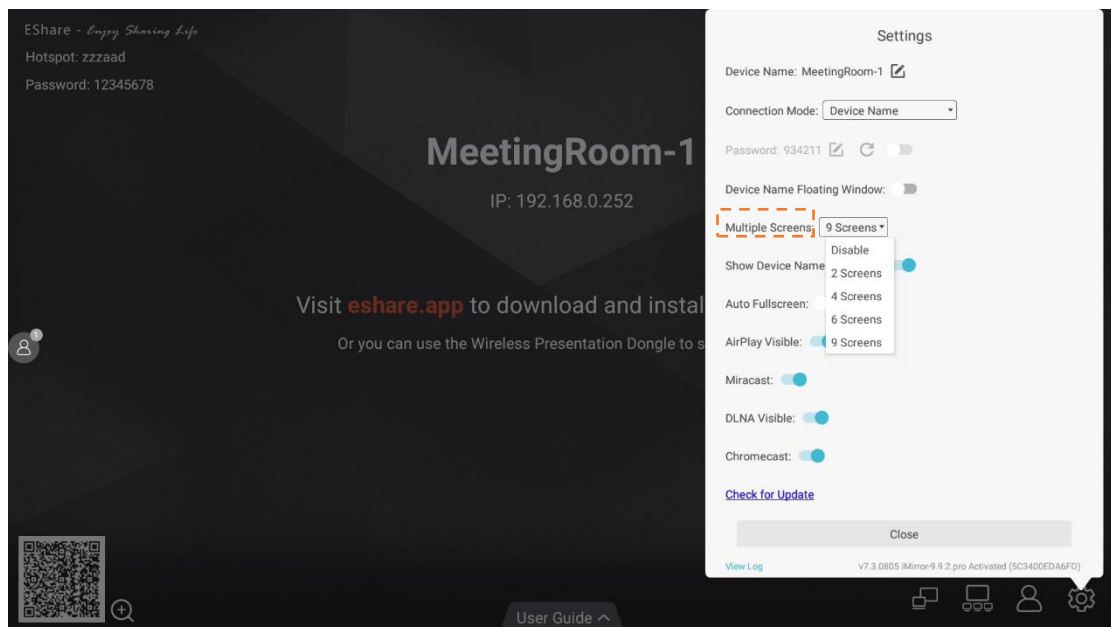
Auto Fullscreen: if the switch is ON, the client screen will cover the full screen automatically even though the screen aspect ratio of the client and the receiver device is different (the screen may be a little distorted)

AirPlay Visible: if the switch is ON, iOS and macOS device can share screen with AirPlay instead of installing any Apps. If OFF, users have to use the EShare client Apps to share screen.

3.3 Multiple Screens

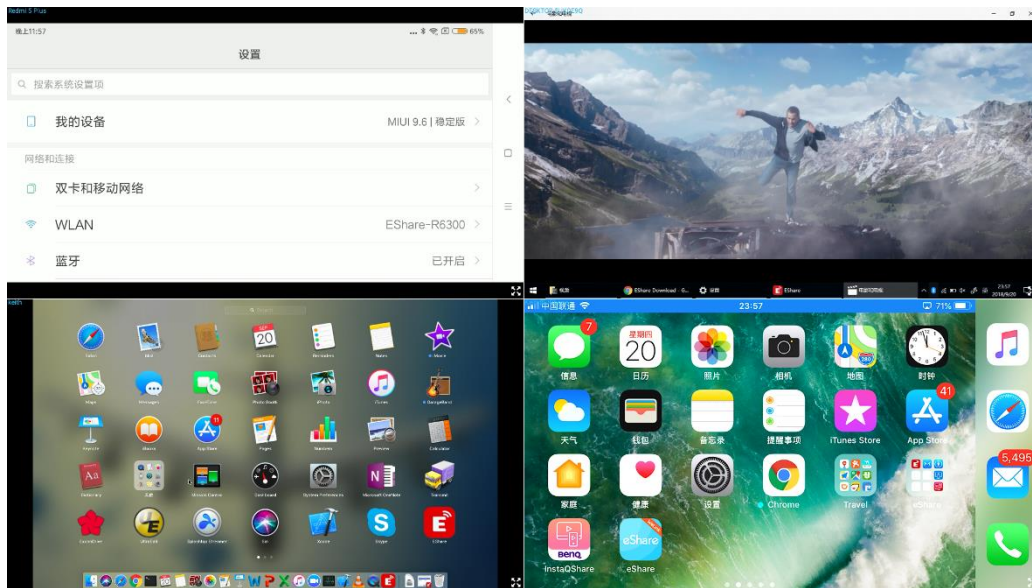
3.3.1 Multiple Screens Setting

Launch ESharePro on the large display, tap the “Settings” button in the bottom right to set multiple screens. 9 split screens can be set at most.



3.3.2 Multiple Screens Display

Multiple client device screens can be shared to the receiver at the same time, and the receiver screen will be split automatically.



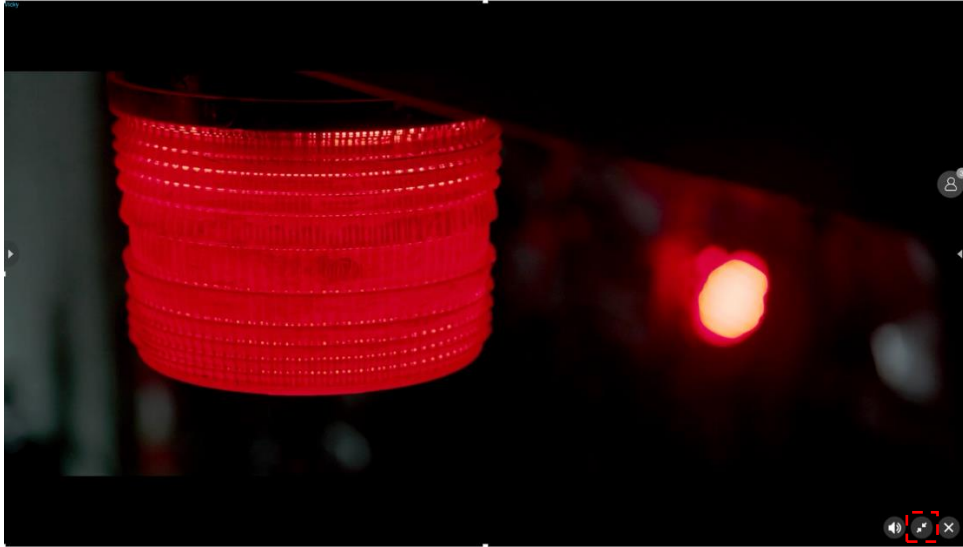
3.3.3 Switch the Audio Source

The audio of the last sharing device will be output by default from the large display on multi-screen mode. You can tap any one of the split windows on the large display to select the audio output source.

Notes: For Android phones with Android 10.0 or later, audio can be casted to the large display while mirroring, and the audio casting only works if the other Apps allow their audio to be recorded. It should be noted that for Android OS 9.0 or before, the audio cannot be cast as Google doesn't share the API needed for audio casting. The audio of those Android phones while screen sharing will be output just from phones.

3.3.4 Full-Screen or Multiple Screens

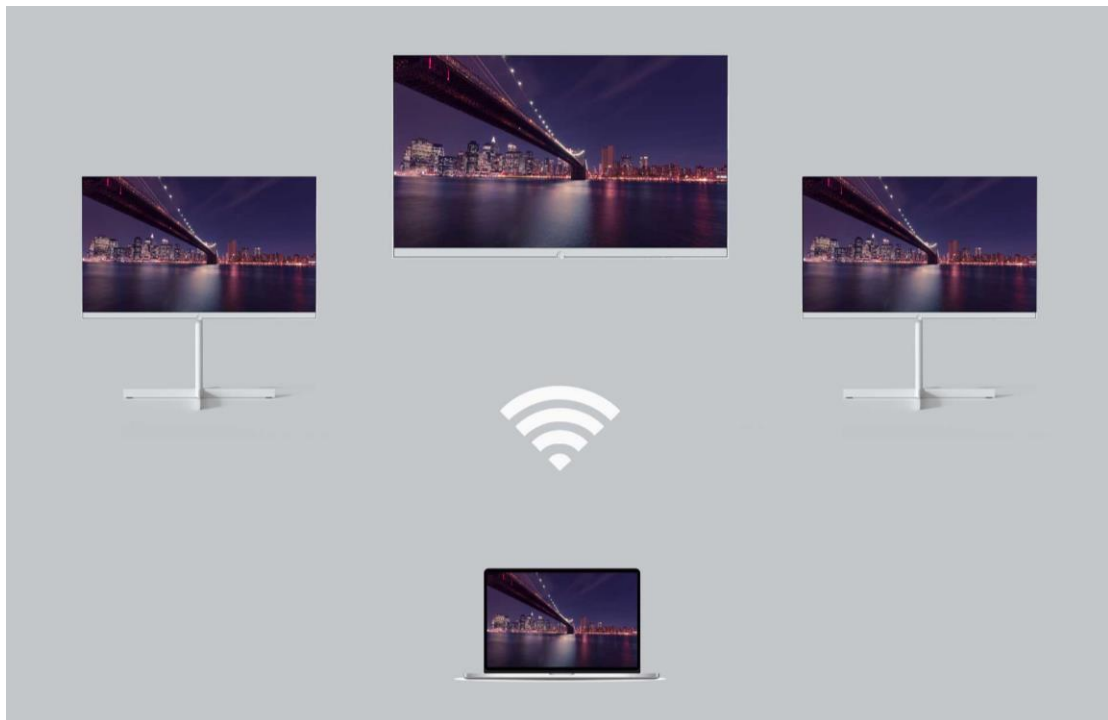
Tap the Full-Screen icon at the bottom right of the large display on multi-screen mode to full-screen it. Click the icon again to exit the full-screen and go back to multiple screens.



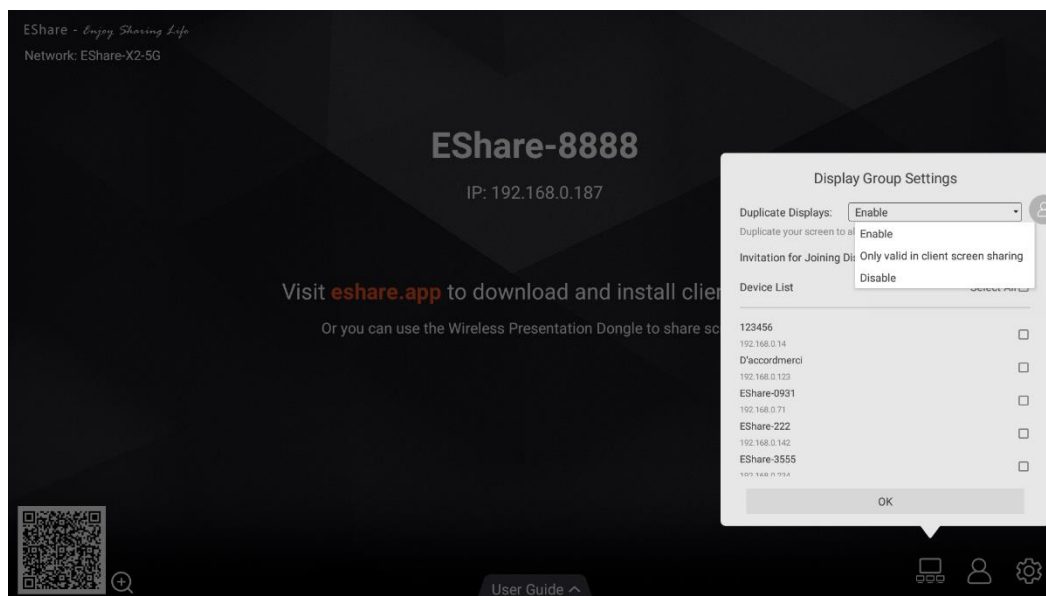
3.4 Display Group

Precondition: ESharePro is installed and activated, and the receiver devices are in the same Local Area Network (LAN).

Feature description: the main screen can be duplicated to multiple large displays simultaneously, and the client device can also be mirrored to multiple receiver displays.

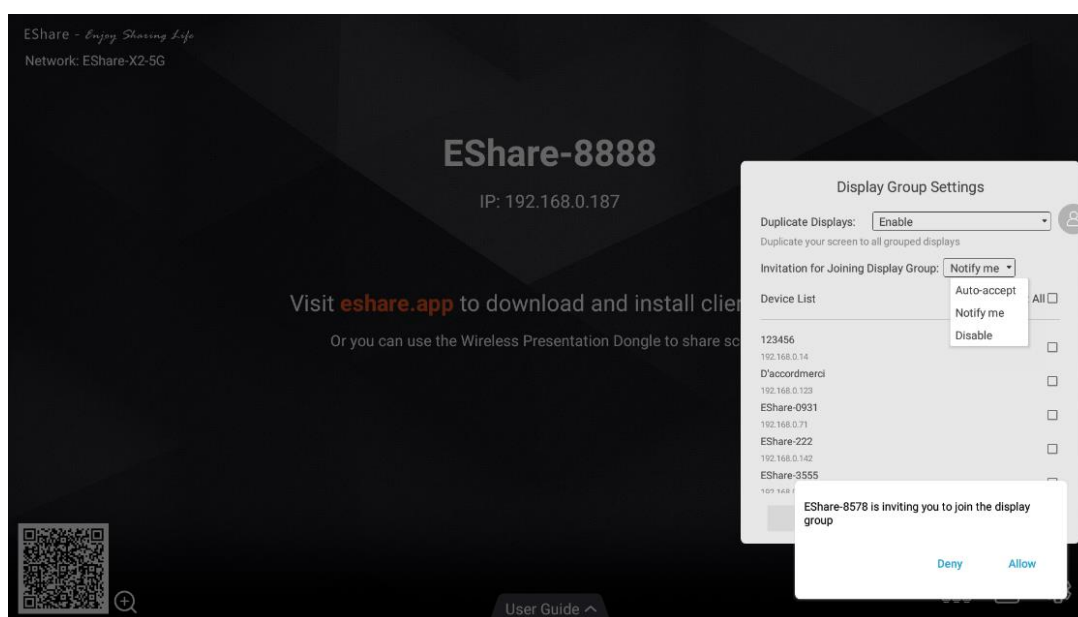


3.4.1 Options for Duplicate Displays



- **Enable:** You will see the other ESharePro preinstalled display in the same network (if any) are listed. Next, select a display to join in the display group, and click “OK” to apply the settings.
- **Only valid in client screen sharing:** Only when the sender is casting a screen, will the devices in the display group be synchronized to display
- **Disable:** Disable the display group feature.

3.4.2 Options for Invitation

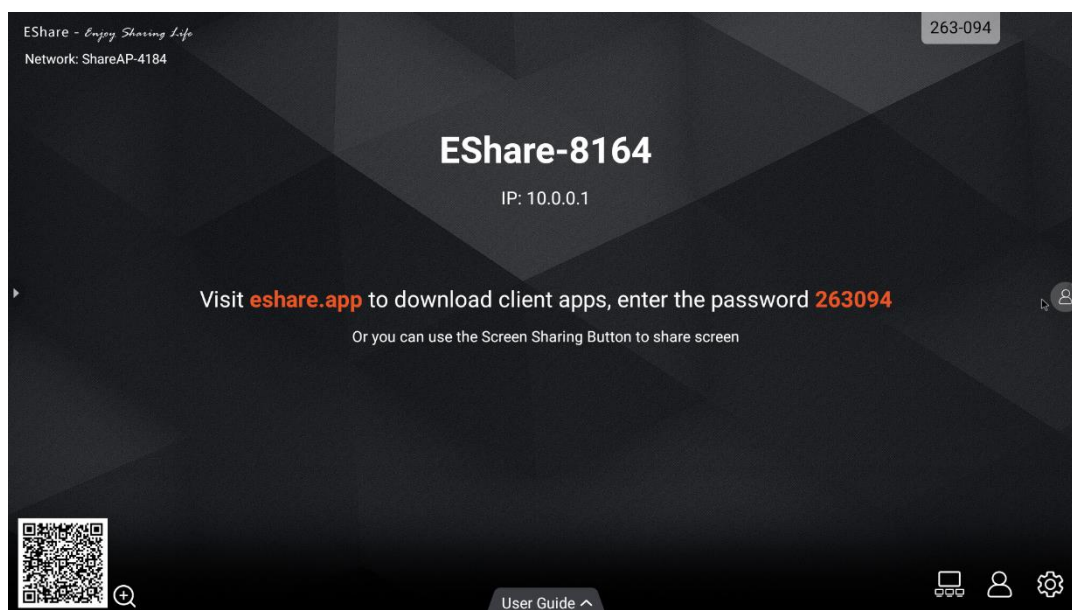


- **Auto-accept:** other displays can share their screen to this display without any permissions.

- **Notify me:** you will see a dialog when your screen is invited to join the group, and other displays can share their screen to this display only when you allow the invitation.
- **Disable:** All display group invitations will be automatically rejected.

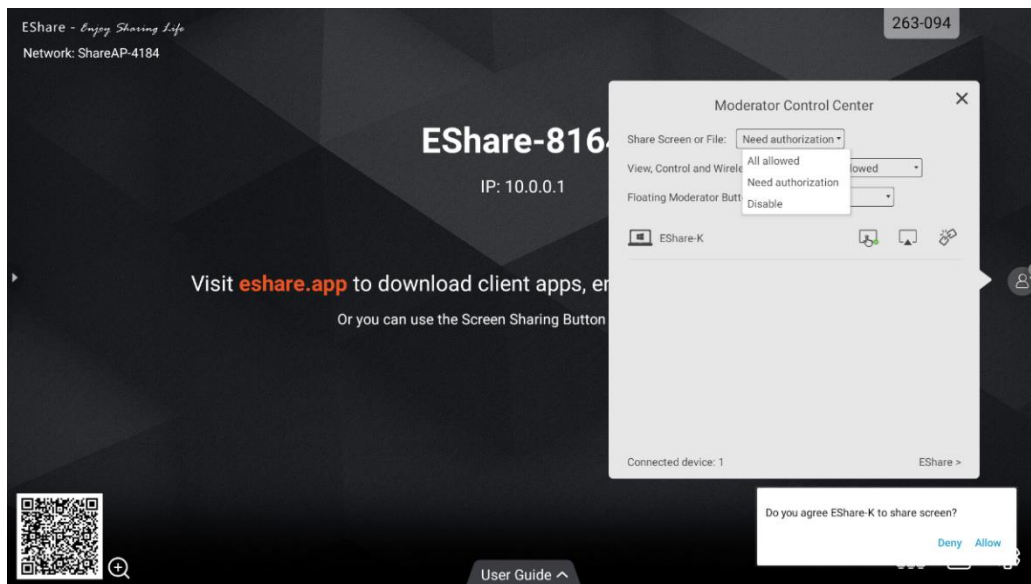
3.5 Moderator Control Center

Launch "ESharePro" and tap the moderator control button in the bottom right corner to enter the moderator control center. You can also enter the moderator control center by tapping the floating moderator button.



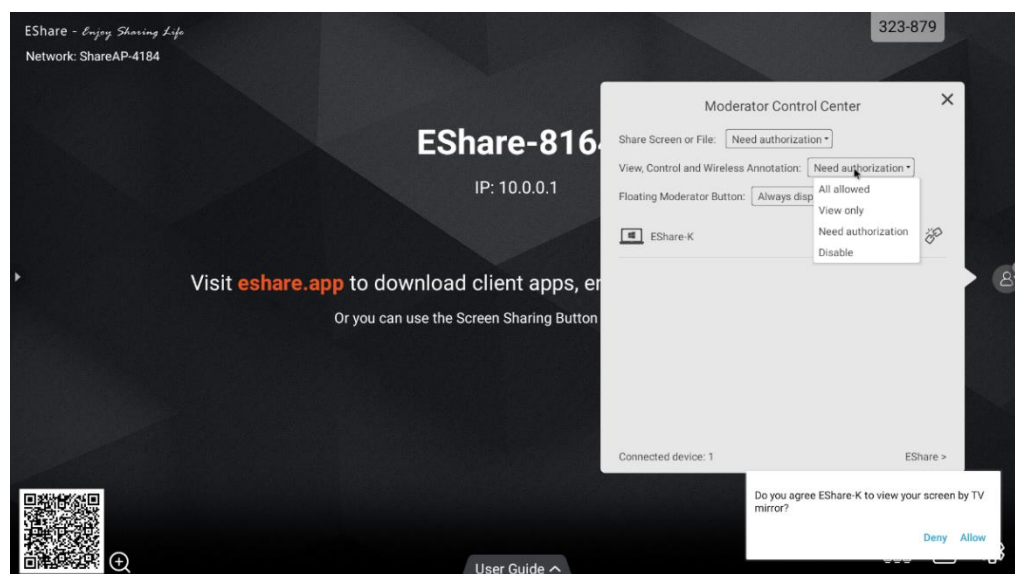
3.5.1 Options for "Share Screen"

- **Allowed:** client devices can share screen or share images/audio/videos/files to the large display. The client app for iOS or Android can also share the camera to the large display in real-time.
- **Need authorization:** client devices can share screen or share images /audio/videos/files/camera to the large display only when the option "Allow" is selected in the authorization dialog for sharing screen.
- **Disable:** any client devices cannot share images/audio/videos/files/camera shot if the option of "Share Screen or File" is set as "Disable".



3.5.2 Options for “View, Control and Wireless Annotation”

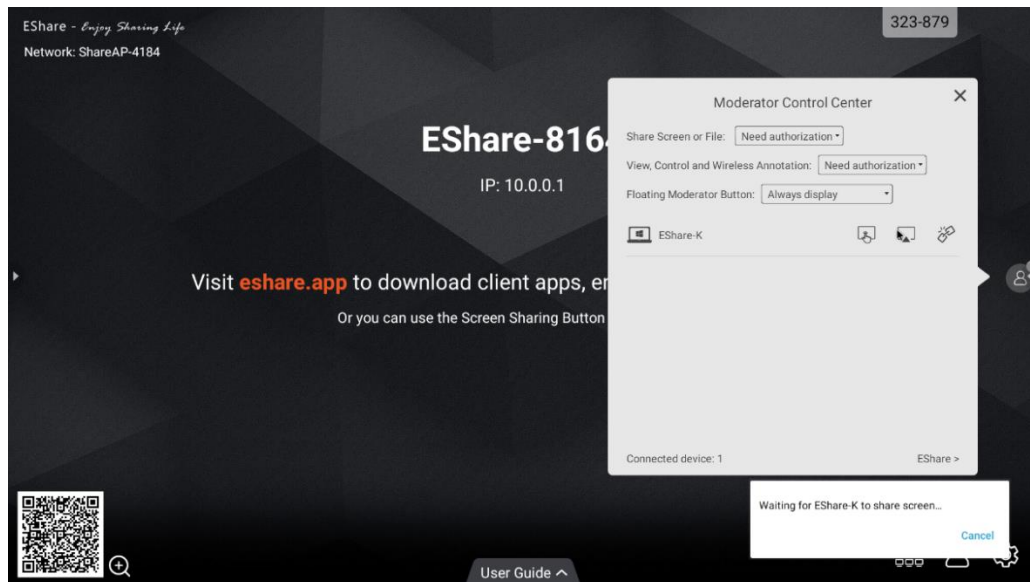
- **Allowed:** client devices can view and control the large display, can do annotations in TV Mirror or Remote Control.
- **Need authorization:** client devices can view and control the large display and can do annotations in TV Mirror or Remote Control only when the option “Allow” is selected in the authorization dialog.
- **View only:** client devices can only view the large display in TV Mirror but cannot control the large display or do annotations.
- **Disable:** any client devices cannot view, control the large display in TV Mirror or Remote Control, or do annotations.



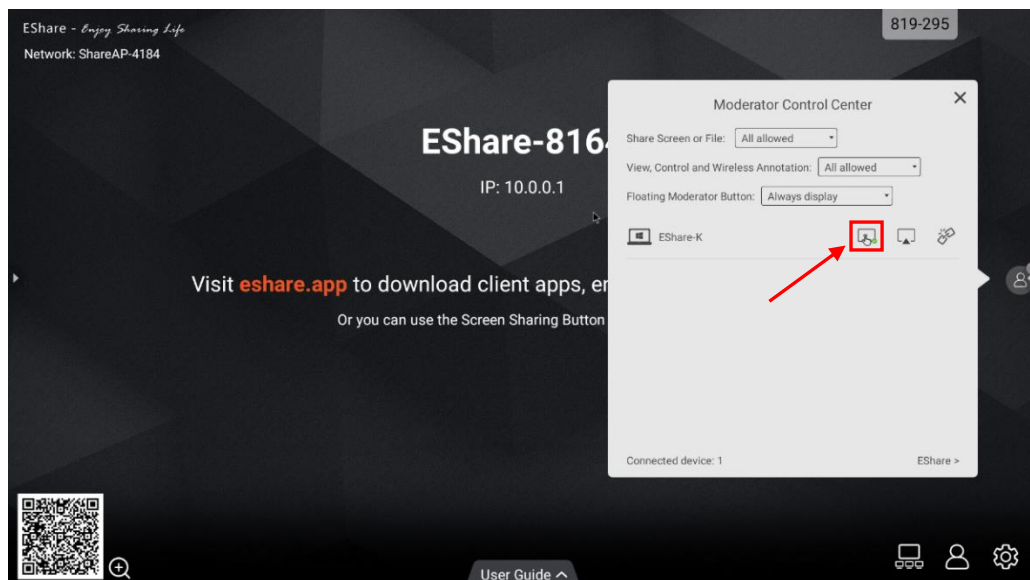
3.5.3 Other Options in Moderator Control Center

Precondition: the client device is connected to the large display.

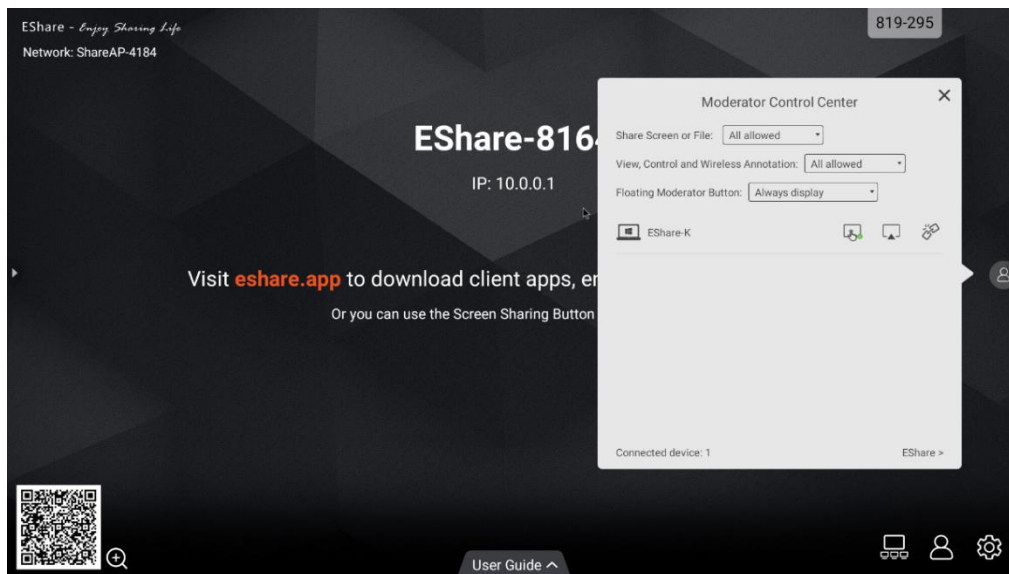
- **Invite the client device to share screen:** select any one client device in the moderator control center, and click the button  to invite the client device to share screen, and tap this button to stop sharing when the client device is sharing screen.



- **Allow the client device to control the large display:** tap the screen control button  to enable or disable the client's control permission for the large display. If this button is marked with a small green tick, it shows the client can control the large display.



- **Disconnect the client device:** tap the "disconnect" button , and select "OK" in the dialog to disconnect the client device.



3.6 WebCast

With the latest WebCast feature, you can cast the screen by entering the ID in the browser without downloading and installing the app. It also supports Internet-based remote screen casting without network domain restrictions.

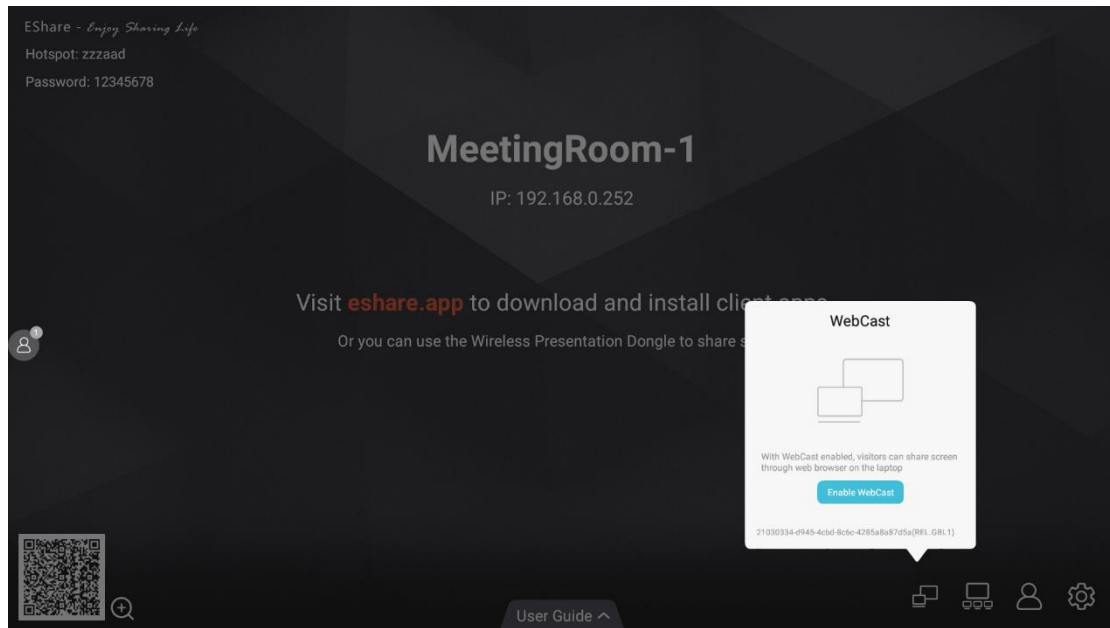
It is compatible with Windows, macOS, Ubuntu, Chrome OS, and more. Recommended browsers for various OS are as below.

- Windows: Google Chrome, Microsoft Edge,
- macOS 10.15 and later: Apple Safari, Google Chrome
- Chrome OS: Google Chrome
- Ubuntu: FireFox, Google Chrome

Note: WebCast doesn't work with phone browsers. The touch feedback doesn't work with WebCast.

3.6.1 Enable WebCast

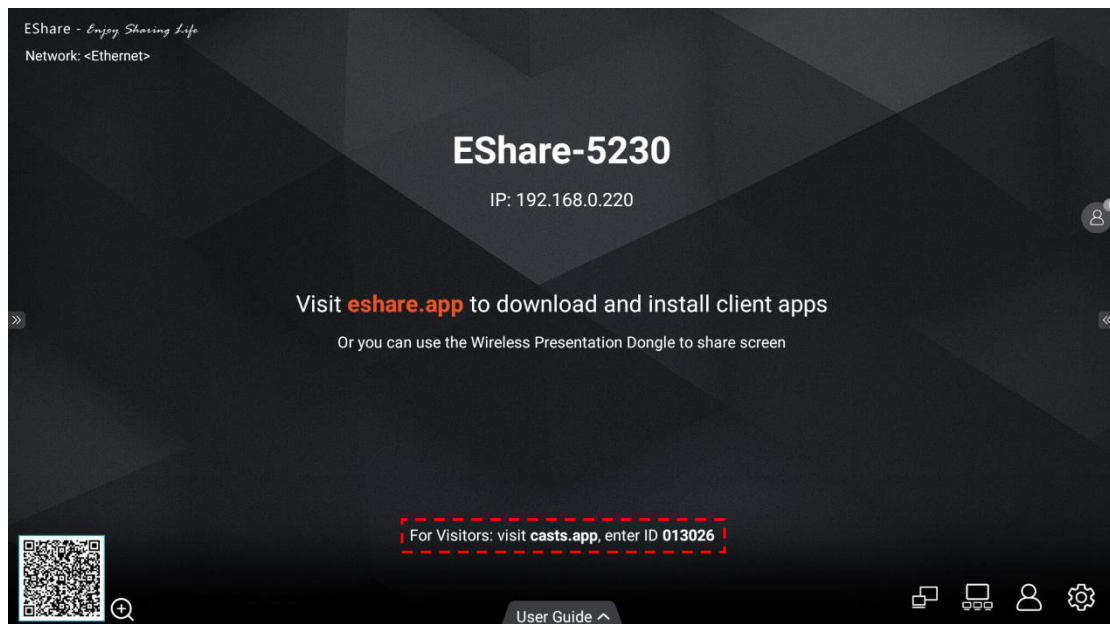
Tap the button "Enable WebCast" to start the WebCast service.

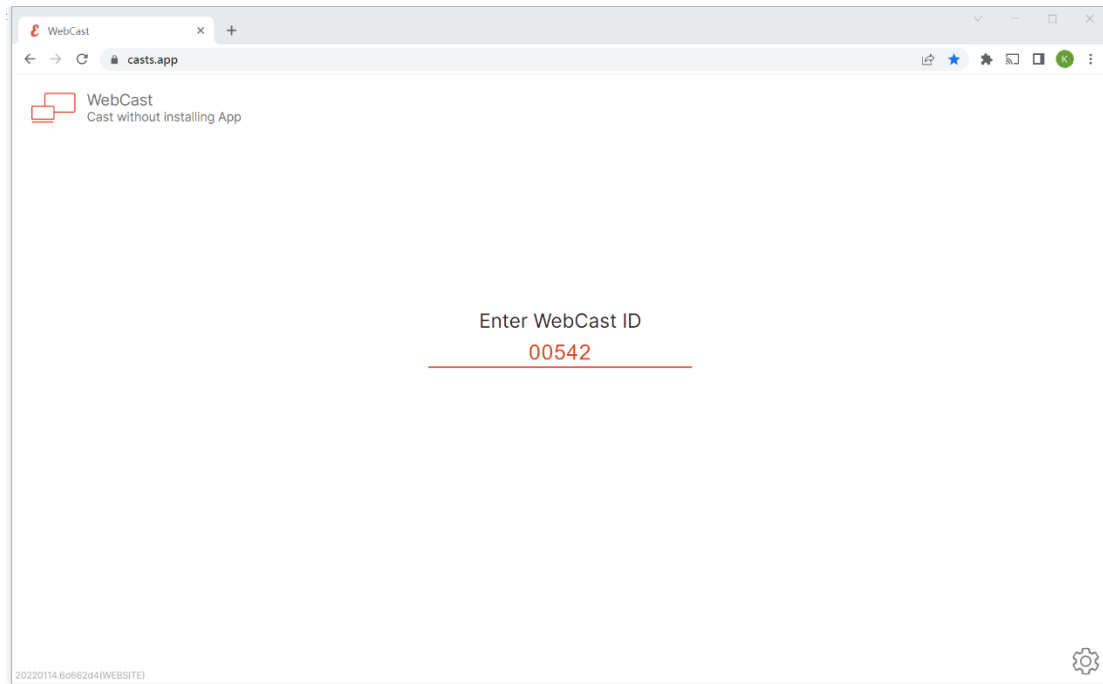


3.6.2 Guide for WebCast

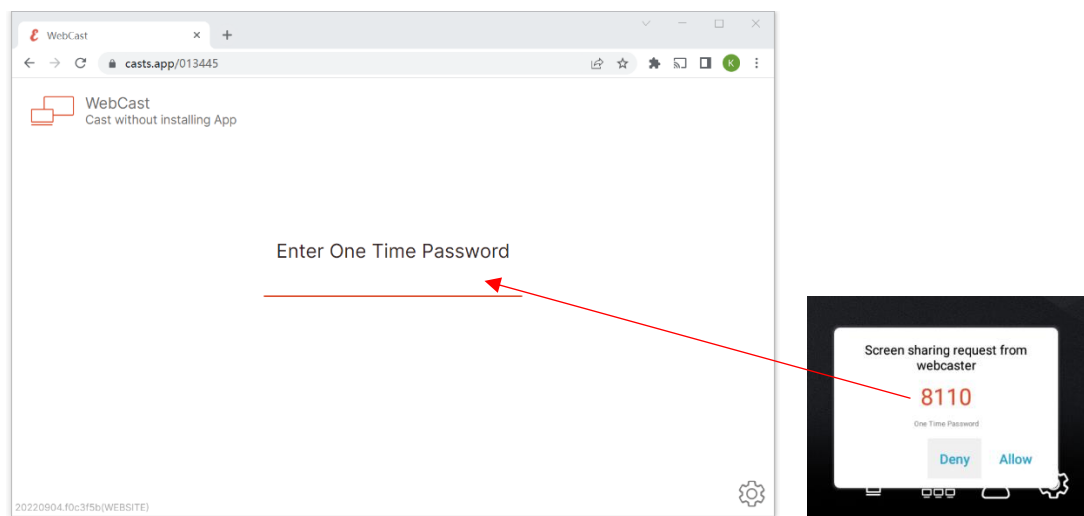
WebCast will work in online mode if your display has Internet access, and you can cast your screen by following the steps.

- 1) Visit "casts.app" with the web browser on your laptop and enter WebCast ID.

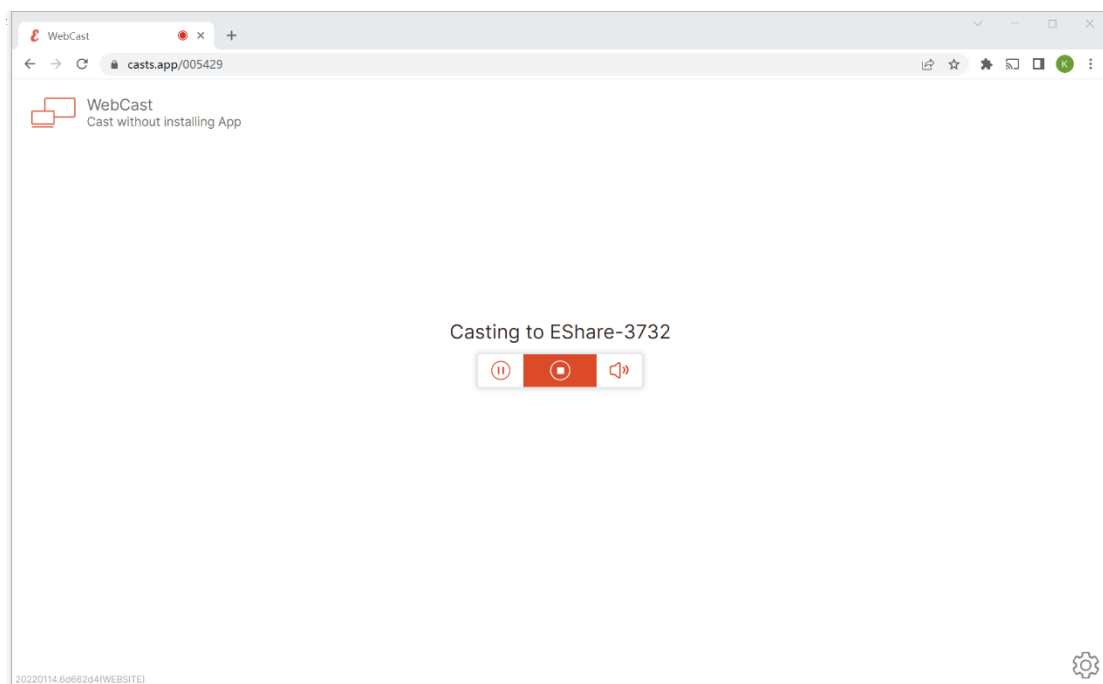
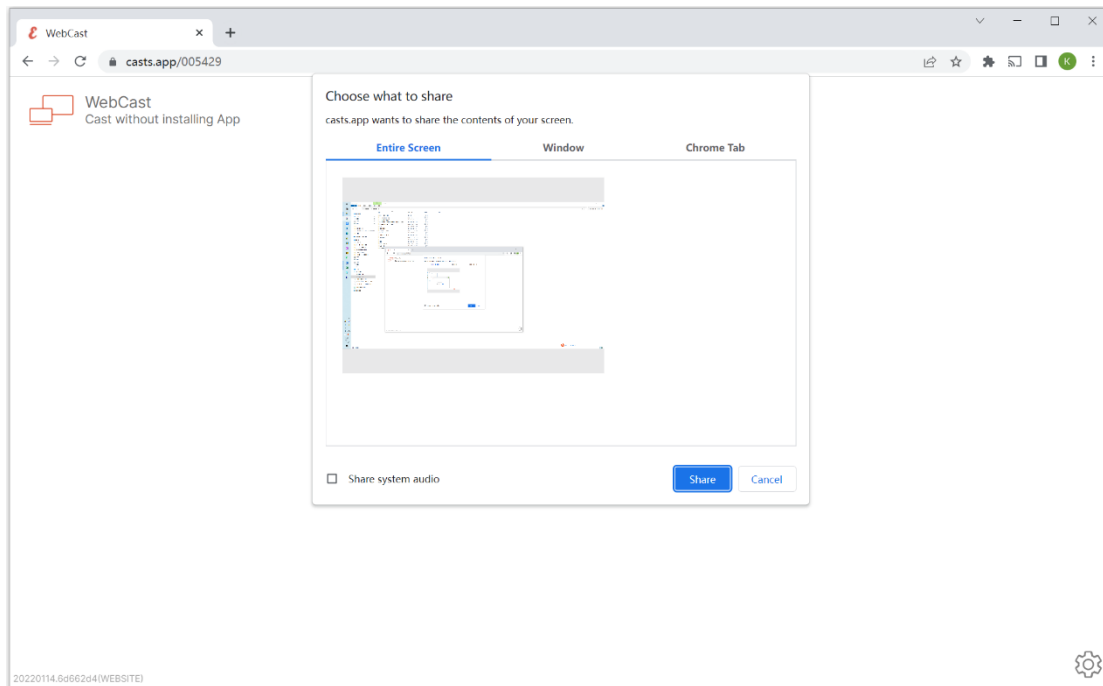




- 2) Enter the one-time password that pops up on the large display (or tap "Allow" button on it) to establish a WebCast connection. The moderator can allow or deny your WebCast casting request.

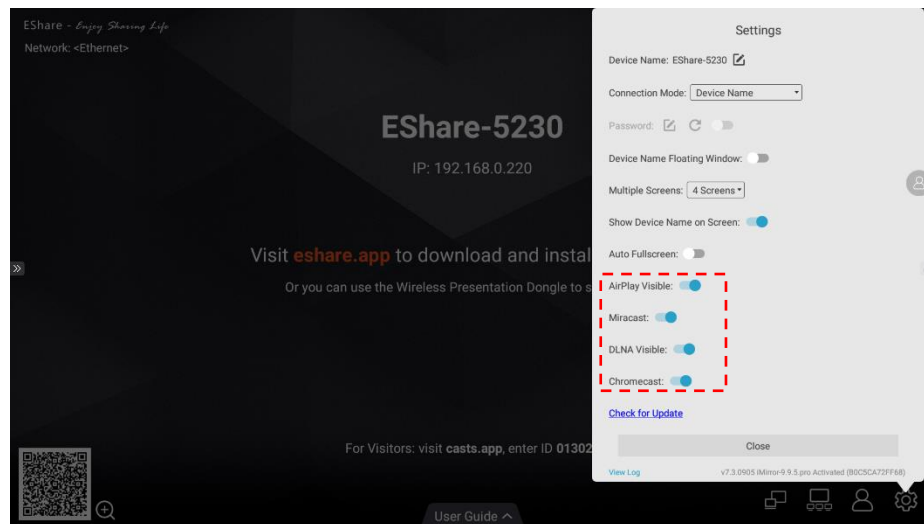


- 3) The screen share content selection dialog will pop up, you can choose "Entire Screen", "Window" or "Chrome Tab", and check the "Share system audio" option. Then click the "Share" button to start casting.



4. NON-APP Casting

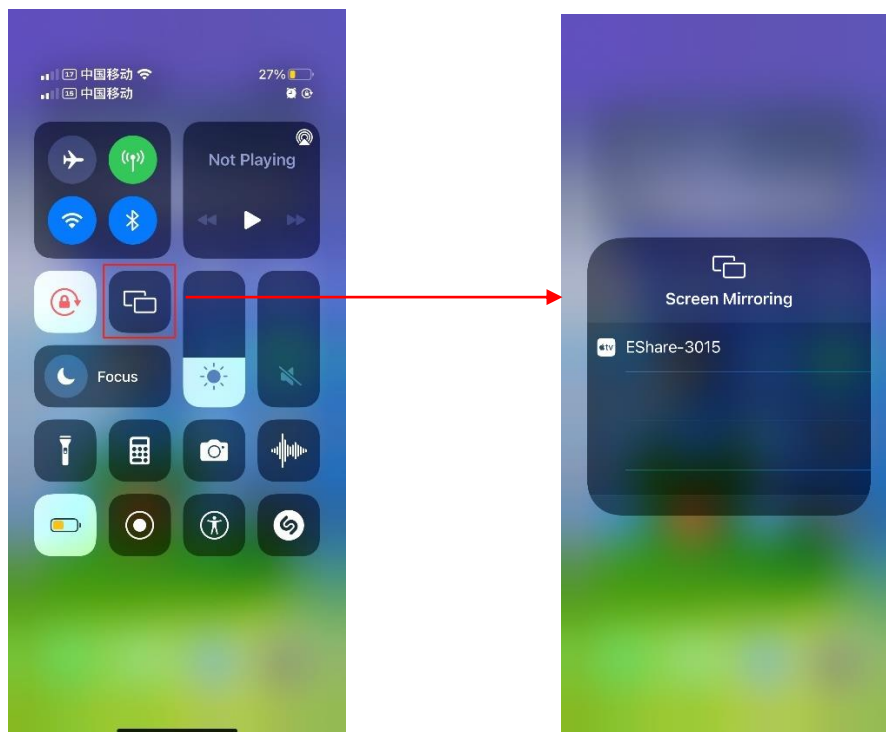
If the iMirror, Miracast, Chromecast and DLNA features are pre-installed, you can manage their corresponding switches from the ESharePro settings page.



4.1 AirPlay

With the AirPlay Visible enabled, the Apple devices (such as iPhone/iPad/MacBook/iMac) can cast screen to the large display with the Screen Mirroring function in iOS.

4.1.2 Guide for iPhone Screen Mirroring



4.1.3 Guide for MacBook Screen Mirroring



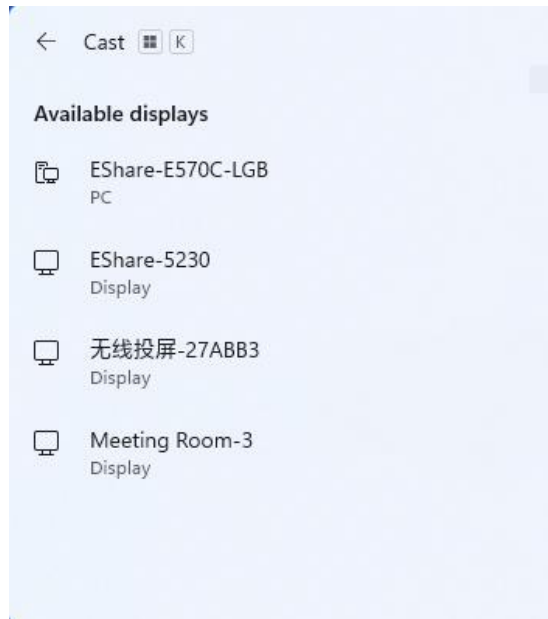
Tips: If the AirPlay Visible is disabled, users need to install EShare App to share screen.

4.2 Miracast

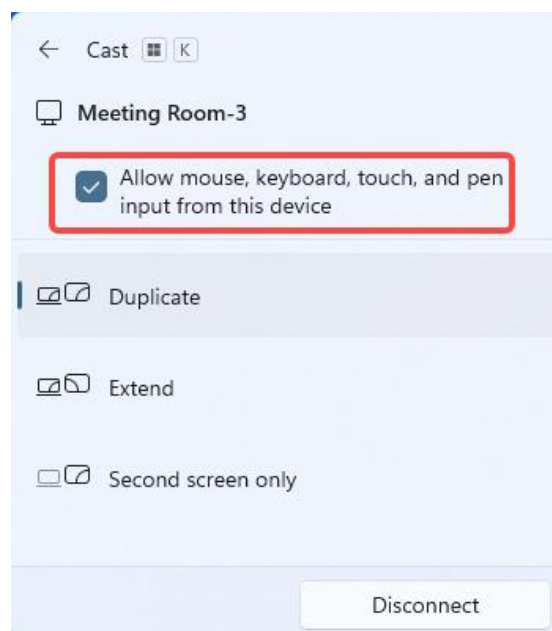
With the Miracast switch enabled, Windows laptops or Android phones that support the Miracast can discover the large display, and select it to cast the screen.

4.2.1 Guide for Windows Laptops

1) Press Win + K and select the device to cast to.



2) Check the option “Allow mouse, keyboard, touch, and pen input from the device” to enable touch feedback feature.



4.2.2 Guide for Android Phones

Open Cast/SmartView/Wireless Projection... on Android phones (different brands may name differently for this function), select a device to cast screen.

Miracast feature depends on the Wi-Fi direct transmission (P2P) of the hardware, so the performance and stability have a lot to do with the Wi-Fi of the large display.

4.3 Chromecast

4.3.1 Preconditions to Use Chromecast

- 1) The switch "ChromeCast" in ESharePro settings is enabled.
- 2) The client and receiver devices are in the same network.
- 3) The date of the large display is accurate.

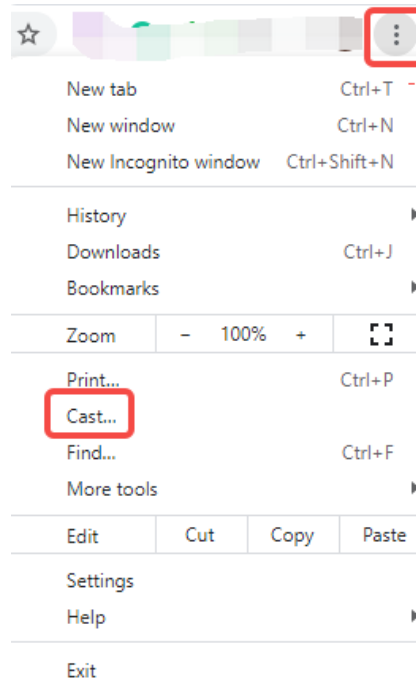
4.3.2 Guide for Chromecast

- 1) Android phones

Open Cast/SmartView/Projection... (different phone manufacturers may name differently for this function), select a large display to cast screen.

- 2) Chrome browser

Click the "More" icon  in the top right corner of the Chrome browser, find the "cast" option, and then select a large display device to cast screen.



- 3) Chromebooks

Click the system clock in the bottom right corner, open “cast”, and select a large display to start casting.



5. FAQ and Troubleshooting

Q: I cannot connect my device to the ESharePro receiver. What can I do?

A: Please ensure that both your device and the ESharePro receiver are connected to the same network, and try reconnecting using different connection modes (e.g., Device Name, PIN Code, IP). If you are still having issues, please check the network requirements and ensure that the necessary ports are open.

Q: The screen mirroring is laggy or choppy. How can I improve this?

A: The performance of the screen mirroring can be affected by the quality of your network connection. For a reliable user experience, it is recommended to connect the large display using Ethernet and the laptop/phone using the 5GHz Wi-Fi band.

Q: I am not able to share my screen using WebCast. What could be the problem?

A: Please ensure that your devices have internet access and the “Enable WebCast” button is turned on.

Q: The audio is not casting to the large display while mirroring. What could be the problem?

A: For Android phones with Android 10.0 or later, audio can be casted to the large display while mirroring, and the audio casting only works if the other Apps allow their audio to be recorded. It should be noted that for Android OS 9.0 or before, the audio

cannot be cast as Google doesn't share the API needed for audio casting. The audio of those Android phones while screen sharing will be output just from phones.

Q: How can I troubleshoot casting failures with AirPlay, Miracast or Chromecast?

A: Ensure that the corresponding casting feature is enabled in ESharePro settings. Restart both devices and attempt the casting process again. If using wireless casting methods, ensure that Wi-Fi signals are strong and stable.

Q: Can I use EShare with multiple devices at the same time?

A: Yes, EShare supports multi-screen interaction, allowing multiple devices to connect and interact with the display simultaneously. However, performance may vary based on network conditions and the number of connected devices.

Q: Can I use ESharePro in a network with strict firewall policies?

A: ESharePro requires specific ports to be open (as detailed in the manual). If you're experiencing connectivity issues, please consult with your network administrator to ensure these ports are not blocked by your firewall.

