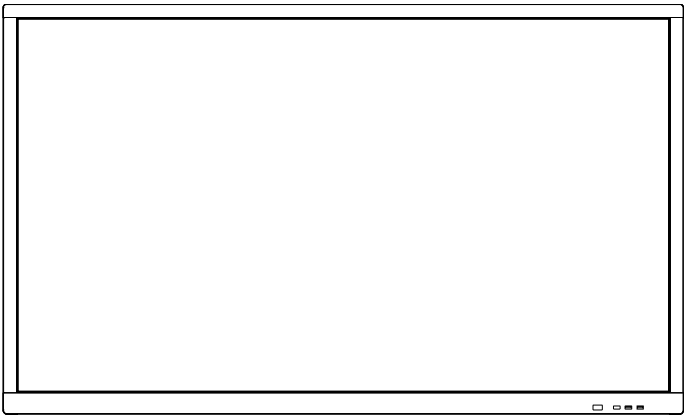
www.aver.com



AVer CP2 series

(CP2-65/CP2-75)

User Manual

Federal Communications Commission

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

DISCLAIMER

No warranty or representation, either expressed or implied, is made with respect to the contents of this documentation, its quality, performance, merchantability, or fitness for a particular purpose. Information presented in this documentation has been carefully checked for reliability; however, no responsibility is assumed for inaccuracies. The information contained in this documentation is subject to change without notice.

In no event will AVer Information Inc. be liable for direct, indirect, special, incidental, or consequential damages arising out of the use or inability to use this product or documentation, even if advised of the possibility of such damages.

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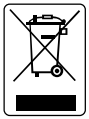

The mark of Crossed-out wheeled bin indicates that this product must not be disposed of with your other household waste. Instead, you need to dispose of the waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. For more information about where to drop off your waste equipment for recycling, please contact your household waste disposal service or the shop where you purchased the product.

Notice

The technical specifications provided in this Manual and on the carton are subject to change without further notice. If there is any difference between this Manual and any actual operation, such actual operation shall prevail.

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CAN ICES-3(B)/NMB-3(B)

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Safety Instruction

As a valuable offering better audio and visual experience, this product has considered the personal safety factors in design and been tested strictly before delivery. However, improper installation and use may cause electric shock or fire. To ensure its safe use, maintain its service life and bring its best performance into full play, please read and understand the operating instructions and nameplates and observe the following safety precautions carefully before using the product, and keep this Manual properly for future reference.

For your safety, please read the following instruction before you use the product. Serious injury or property loss may be caused by improper operations. Do not try to repair the product by your own.

<table>
<tr><td colspan="2">WARNING</td></tr>
<tr><td rowspan="2"> </td><td>Disconnect the product from power supply immediately if major failures occur.
The major failures include the following:
• Smoke, peculiar smell or abnormal sound is discharged from the product.
• No image or sound is displayed, or the image error occurs.
• Where the mains plug or an appliance coupler is used as the disconnect device the disconnect device shall remain readily operable.
In the preceding scenarios, do not continue to use the product, disconnect power supply immediately and contact professional staff for troubleshooting.</td></tr>
<tr><td>The socket-outlet shall be installed near the equipment and shall be easily accessible.</td></tr>
<tr><td rowspan="2"> </td><td>Do not drop liquid, metal or combustible into the product.
• If any liquid or metal is dropped into the product, power off the product and disconnect power supply, then contact professional staff for solutions.
• Pay attention to the children when they are close to the product.</td></tr>
<tr><td>Do not damage the power cable.
• Do not damage, change, wind, bend, heat or drag the power cable forcibly.</td></tr>
</table>

	WARNING
	• Do not put weights (such as the product itself) on the power cable. • Do not drag the cable forcibly when you pull out the power plug. If the power cable is damaged, please contact the local distributor to repair or replace it. • The power cable in the accessory box is for this product only. Don't use it on other devices.
	Put the product on a stable surface. An unstable surface includes and does not limit to an inclined plane, a shaky stand, desk or platform, which might cause the turnover and damage.
	Use the battery correctly. • Galvanic corrosion, electric leakage and even fire may be caused by improper battery usage. • It is recommended to use the designated type of battery and install the battery by correct electrodes (positive and negative electrodes). • Do not install and use new battery together with the used one. • Take out the battery if the remote control is not used for a long period. • Do not expose the battery under overheated environments such as sunlight and firing. • Dump the used battery based on local regulations.
	Do not open the cover or change the product by your own. High voltage components are installed in the product. When you open the cover, high voltage, electric shock or other dangerous situations may occur. If inspection, adjustment or maintenance is required, contact the local distributor for help.
	Use the specified power supply. • Do not use any types of power cables other than the one provided with the product to prevent the product from being damaged. • Use a three-wire socket and ensure that it is properly grounded. • Pull out the power plug from the socket if the product is not used for a long period.

WARNING

	Before you move the product, disconnect all external connections and separate all toppling preventing devices. Move the product carefully to prevent it from being hit or squeezed, especially the screen, which may cause injury if broken.
	Clean the dust and metal on the power plug regularly. • When you are cleaning, fire or electric shock may be caused if the product is powered on. • Keep in mind to pull out the power plug before cleaning it by using a dried cloth.
	Do not put items on the top of the product. • Do not put items, such as a container for liquid (a vase, flowerpot, cosmetics or liquid medicine), on the top of the product. • If any water or liquid is spilled on the product, short circuit may occur and cause fire or electric shock. • Do not tread on the product or hang any items on the product.
	Do not install the product in an improper place. • Do not install the product in humid places, such as the bathroom, the shower room, the place near windows or outdoor environments where experience rain, snow or other harsh weather. The product installation is also required to avoid a place around by hot spring vapor. The preceding environments may cause faults or electric shock under extreme conditions. • Do not put exposed fire source, such as an ignited candle, on the product.
	Pull out the power plug during thunderstorms. • Do not touch the product when lighting to avoid electric shock. • Install or place components which power supply voltage is high enough to cause personal injury in places out of the reach of children.
	Do not cover or block up any vents on the product. • The overheated components may cause fire, damage the product and shorten the service life.

WARNING	
	• Do not put the venting surface of the product facedown. • Do not install the product on a carpet or bed clothes. • Do not use a cloth such as table cloth to cover the product.
	Do not touch the power cable with wet hands to avoid electric shock. Altitude during operation (m): less than 5000m

CAUTION	
	Do not install the product in high temperature environments. • Do not install the product near heat source, such as the radiator, the heat reservoir, the stove or other heating devices. • Do not expose the product under sunlight, which may cause high temperature and subsequent faults in the product.
	For transport: • Pack the product for mobility or maintenance by using the cartons and cushioning material provided with the product. • Vertically move the product during transport. The screen or other components are easily broken if the product is moved by an improper way.
	Keep away from the product when you use a radio. The product design to prevent radio interference complies with the international EMI standard. However, the interference still exists and causes noise in the radio. • If noise occurs in the radio, try the following solutions. • Adjust the direction of the radio antenna to avoid the interference from the product. • Keep the radio away from the product.

CAUTION

Advice for watching:

- Use the product in an environment with comfortable light. It is harmful to your eyes to watch in a too bright or too dark environment.
- Relax your eyes after a period of time for watching.
- When you are watching, the distance which is 3 to 7 times of the display height should be kept, and it is the best distance to protect eyes and prevent eyestrain.
- Adjust the volume to an appropriate level, especially at night.
- Use amplifier equipment as the audio input source with caution. If you must use amplifier equipment, the input power should not exceed the maximum of speaker power. Otherwise, problems occur, such as the speaker is overpowered and damaged.

- Sudden temperature or environment humidity changes may cause moisture condensation. This may cause poor picture quality on screen. If this occurs, please keep the IFP on to evaporate moisture.
- When the IFP is not in use for several days, please disconnect IFP from the power socket for environment and safety reasons.
- IFP may have features that require it to be left in standby to work correctly.
- For children, please do not allow children to climb on the IFP, keep small accessories out of reach of children, so that they are not mistakenly swallowed.

If protective earthing is used as a safeguard, the instructions shall require connection of the equipment protective earthing conductor to the installation protective earthing conductor (for example, by means of a power cord connected to a socket-outlet with earthing connection).

Wall Mount Important Safety Instructions

Improper installation may cause property damage or personal injury. If you do not understand these directions, or have doubts about the safety of the installation, contact Customer Service or call a qualified contractor. AVer is not responsible for damage or injury caused by incorrect installation or use.

After reading the manual, please keep it handy for future reference.

Safety information

Warning

1. The product should be installed by a qualified professional specified by the retail store. Product installation by non-qualified personnel is very dangerous and may cause personal injury.
2. When moving or replacing the product after installation, contact a qualified installer specified by the retail store. Installation or movement of the product must be carried out by a skilled professional. If an unqualified person moves and installs the product, it may cause safety risks.
3. Be sure not to hang the power cable and signal cable on the back of IFP when installing the wall-mounted IFP. Damaged cables may result in fire, electric shock, or damage to the product.
4. The product should be installed where its weight can be fully supported. If the product is installed on a weak surface, the product may fall, causing injury.
5. Do not hang on this product; protect the product from severe impacts after the installation. The product may fall and cause injury.
6. This product contains small items that could be a choking hazard if swallowed. Keep these items away from young children.

Caution

1. Follow the instructions in this manual to product properly. If you do not follow these instructions, the product may be installed incorrectly and cause serious injury or the product may become damaged.
2. When installing the product, first check that the wall is flat and strong enough. Use the anchors and screws provided. If you use anchors and screws that are not specified by the manufacturer, they may not hold the weight of the product, causing safety issues.
3. Keep this product away from sprinklers, sensors, high-tension wires and power sources. Do not install it in a location where vibrations or impacts are likely to occur.
4. To install or adjust the height of the product, two or more people are needed. If you try to install or move the product alone, it may fall and cause injury or the product may become damaged.

5. Do not attempt to install or assemble this product if the product or hardware is damaged or missing. In the event that replacement parts or hardware are needed, please contact Customer Service.
6. When drilling holes into the wall, make sure you use a drill and drill bit with the specified diameter. Ensure that you also follow the instructions regarding the depth of the holes. Otherwise, the product may be installed incorrectly and cause safety issues.
7. Do not clean the product with a wet towel, and do not place a heater, or humidifier beneath it. Moisture, steam or heat permeating into this product may result in fire, electric shock or product damage.

Safety tips for installation

1. At least 2 professional installers should on site when installing the wall mounting bracket and the IFP. To prevent injury and damage to the wall and device, user should not perform the installation without professional guidance.
2. The installation position should be on the wall that can bear the weight of the IFP and bracket, and measures should be taken to calculate the effects of other external forces.
3. To avoid accidental damage to the device and human safety, please install the bracket in a place which avoids the contact of children.
4. When the installed screws become loose, please turn off the device and unplug the power cord for further check.
5. The bracket should be installed on a vertical flat surface.
6. For the best working performance, these places should be avoided: strong electric field, strong magnetic field and potential leakage of inflammable gas.
7. For the best panel viewing, the bracket should be installed in the place where the direct intense light and reversed light situations should be avoided.
8. In case of fire, please avoid the places as described below: heavy soot, windy and dusty place, intense humidity and intense heat.
9. During installation, please make sure connection between the screws and bracket are secured firmly.

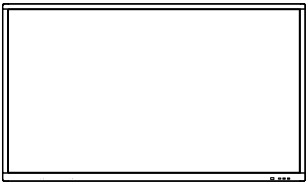
This instruction should be strictly followed. The manufacturer isn't responsible for **any damages and lost caused by inappropriate installation and operation.**

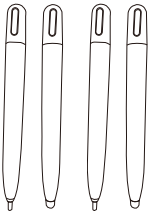
Introduction

Thank you for choosing our interactive display. As our latest independently developed and produced human-machine interactive product, the interactive display is a multi-functional display for interactive teaching, digital demonstration, multi-media presentation, touch operations and handwriting. They are well designed and produced to meet the needs of education and corporate applications, and provide a user-friendly experience, digital intelligent control as an ideal equipment for schools and companies. You can use your fingers or stylus pen to write, edit and delete any things on the screen.

Hardware Introduction

Package Contents

1 

2 

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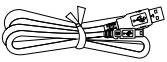
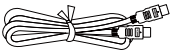
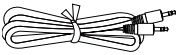
5 

6 

7 

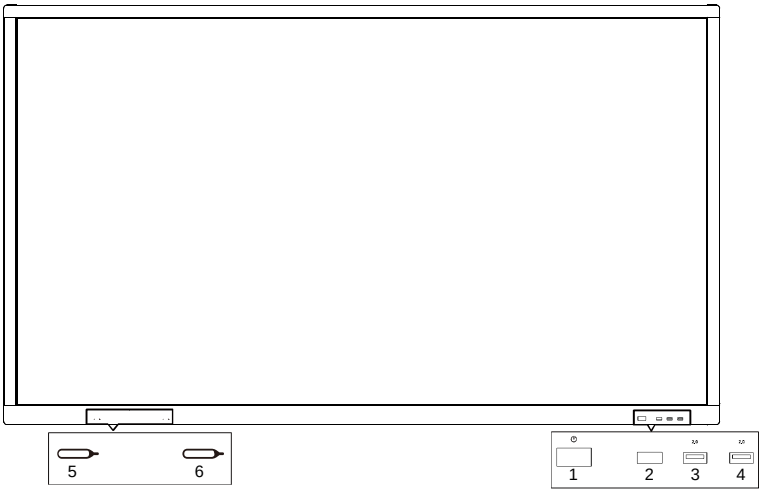
8

9

10

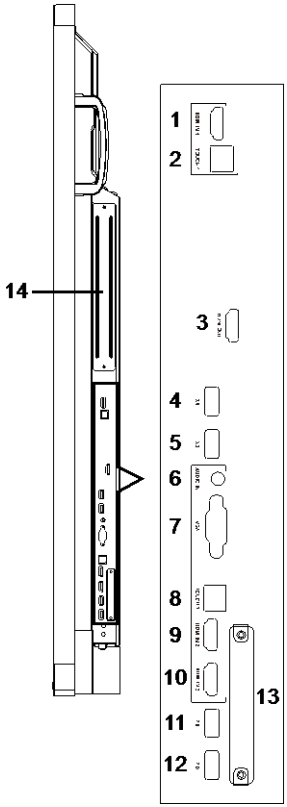
1. AVer CP2 series (65”, 75”)
2. Stylus pens x4 (2 pairs)
3. WiFi module package(WiFi module + Antenna x2)
4. Power cable
5. USB-Touch cable
6. HDMI cable
7. Audio cable
8. Remote Controller
9. Quick Guide
10. Batteries for remote controller

Front Side

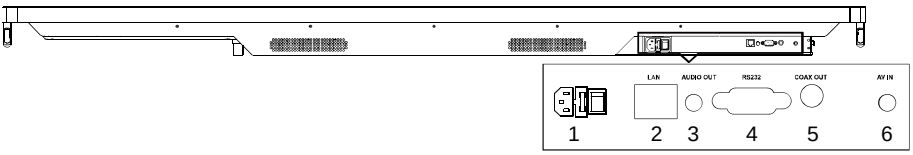


1	Power button	4	USB 2.0 port
2	IR receiver	5	Magnetic zone for Stylus pen
3	USB 2.0 port	6	Magnetic zone for Stylus pen

Terminal Interface Overview



1	HDMI input 1
2	USB-Touch 1
3	HDMI output
4	USB 3.0 port
5	USB 3.0 port
6	Audio input
7	VGA input
8	USB-Touch 2 (For HDMI 2/3)
9	HDMI input 2
10	HDMI input 3
11	USB 2.0 port
12	USB 2.0 port
13	WiFi module slot
14	PC module slot

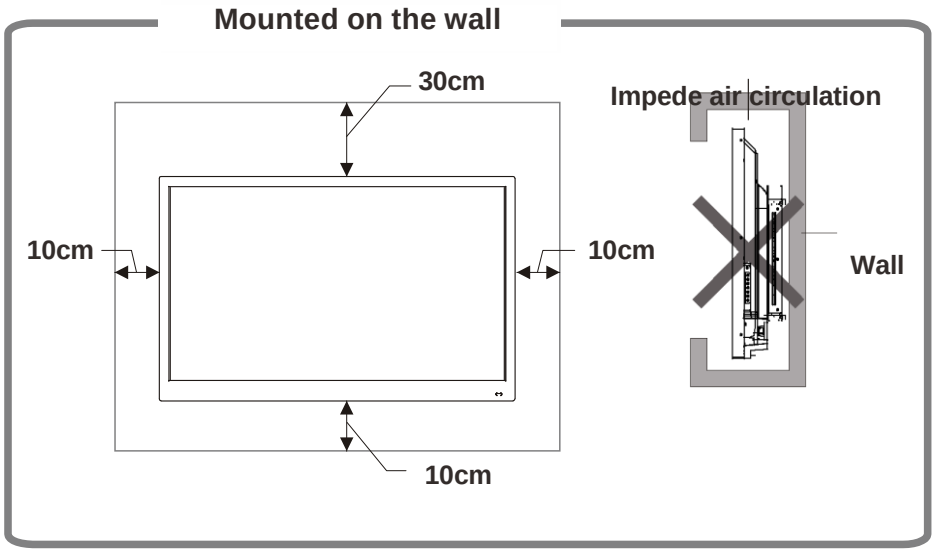


1	Power switch
2	Ethernet port
3	Audio output port
4	RS232 port
5	Coaxial output port
6	AV IN port

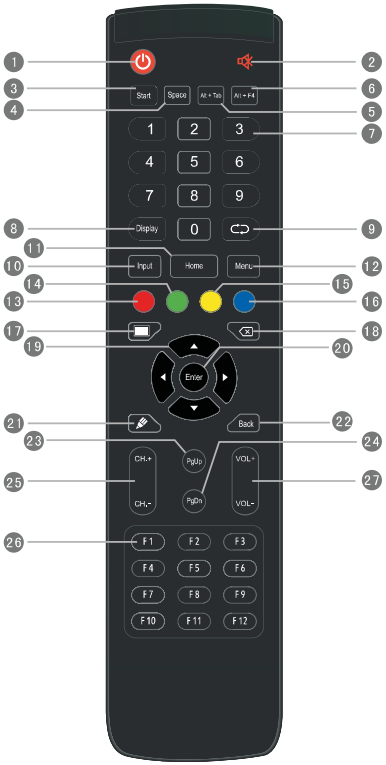
Ventilation for Installation

Keep clearances around the product according to the minimum dimensions shown in the picture.

Never cover the ventilation holes or insert any object into the housing.
Do not place the product in a confined space such as bookcase or imbedded closet unless appropriate ventilation conditions are provided. There should be adequate clearances around the product to ensure good ventilation.



Remote Controller



Name	Function
(1) ⏻	Power on/off.
(2) 🔇	Volume mute.
(3) Start	Built-in computer Windows key.
(4) Space	Built-in computer Space key.
(5) Alt+Tab	Built-in computer Spacebar Alt + Tab
(6) Alt+F4	Built-in computer program window close button.
(7) Numeric Pad	Use to enter numeric.
(8) Display	Display channel information.
(9) 🔁	Not support.
(10) Input	Input signal source selection key,

Name	Function
(11) Home	Android system main screen button.
(12) Menu	Press this button to bring out the Setting menu button.
(13) Red button	Lock and unlock Buttons and Touch function.
(14) Green button*	Lock and unlock Buttons function.
(15) Yellow button*	Lock and unlock Touch function.
(16) Blue button	Freeze and call out zoom in/out function
(17) ▣	Switch to backlight off mode.
(18) ⌫	Backspace key.
(19) ▲▼◀▶	Use these buttons to navigate through the selections.
(20) Enter	To confirm the selection.
(21)	Quickly start writing software.
(22) Back	Return key
(23) PgUp	Built-in computer previous page button.
(24) PgDn	Built-in computer next page button.
(25) CH+/CH-	Not support.
(26) F1~F12	Built-in computer F1 - F12 function keys
(27) VOL+/VOL-	Adjust volume up or down.

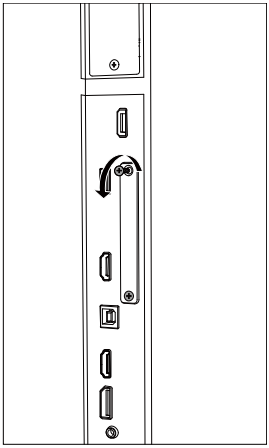
*Please use the same key to lock and unlock function.

Installation

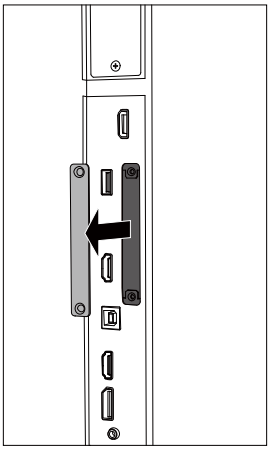
Install WiFi Module

Open the “WiFi module package” and follow the below step to install WiFi module and antenna on the CP2 unit.

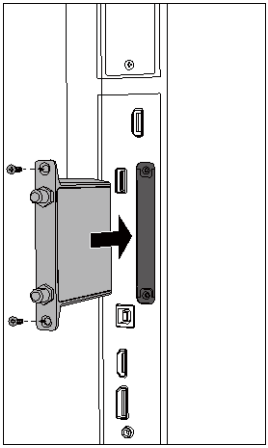
Make sure the power cord is unplugged from the wall socket before processing.



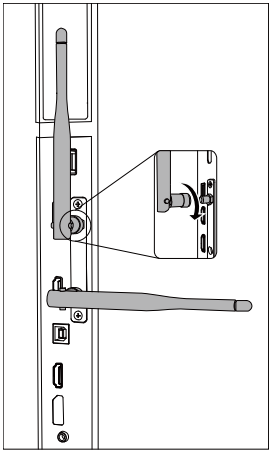
1. Loosen the screws on the metal plate.



2. Remove the metal plate.

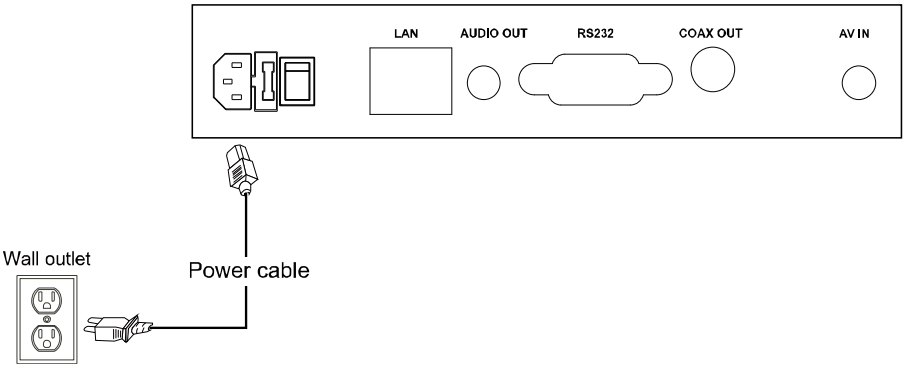


3. Slide the WiFi module into the WiFi module slot and secure the WiFi module with 2 screws.

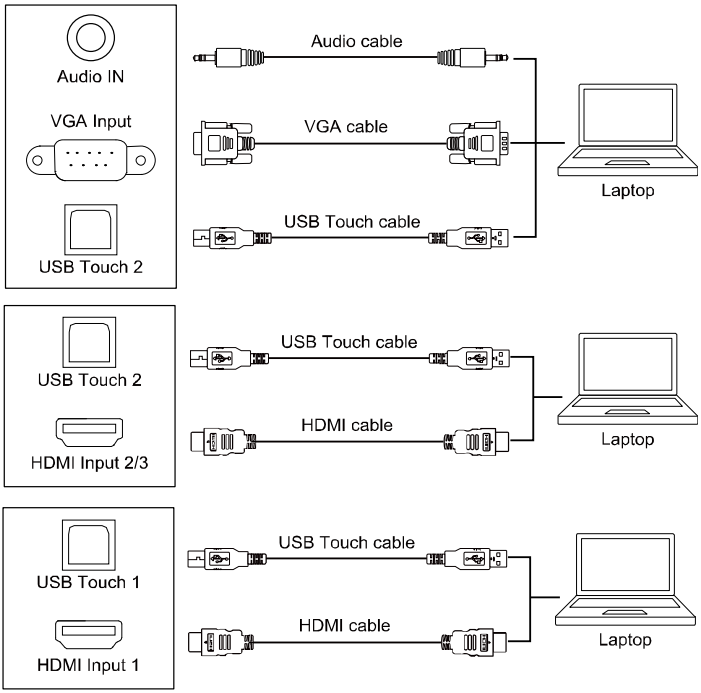


4. Install the WiFi antennas to the corresponding position.

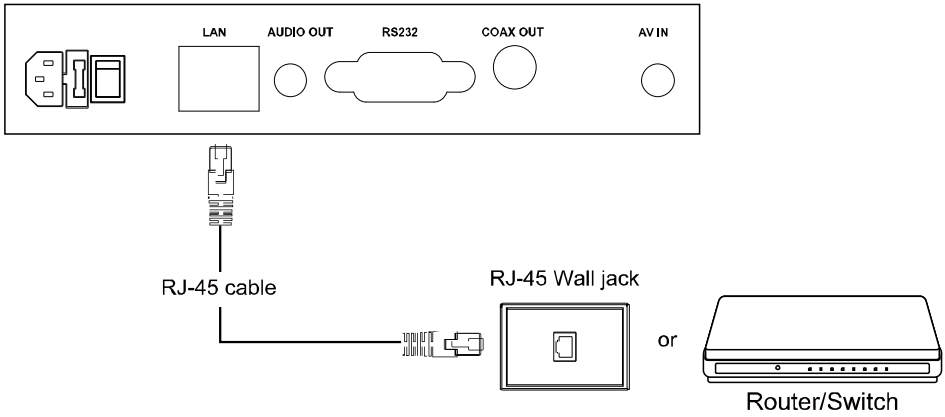
Power connection



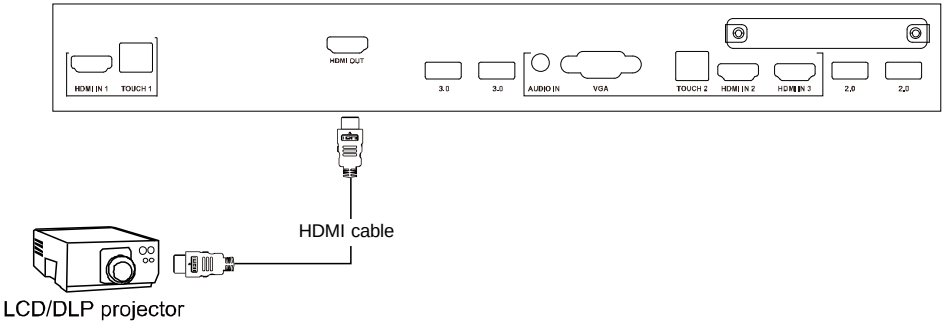
Connect to Laptop



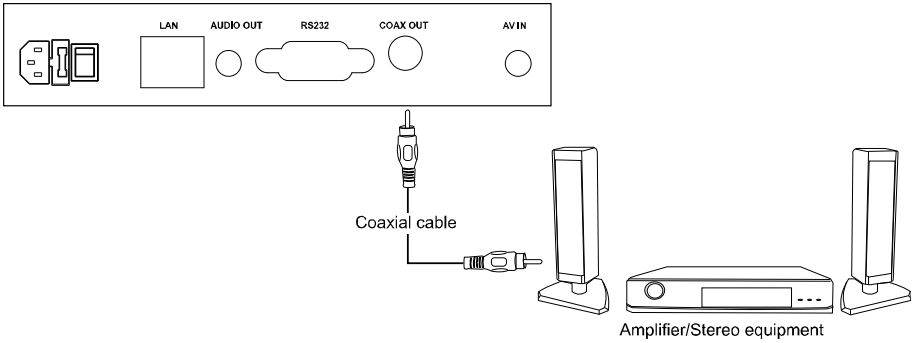
LAN Connection



HDMI Output Connection



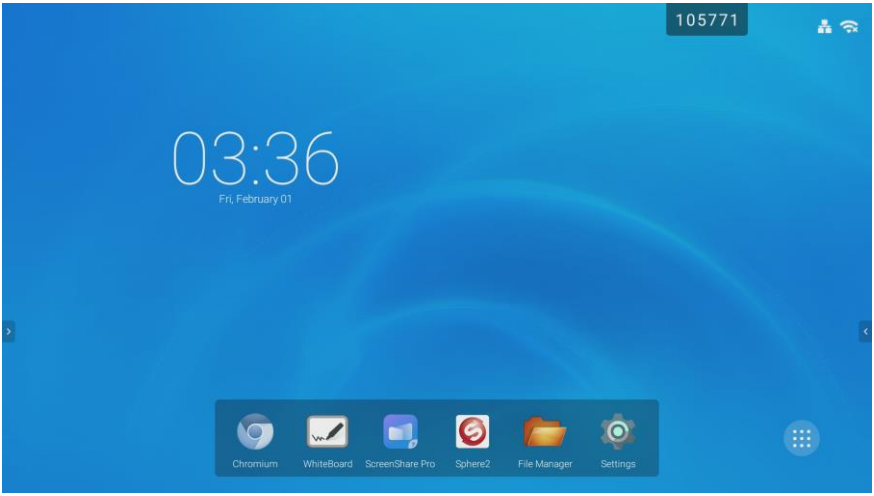
Coaxial Output Connection



Using AVer CP2 System

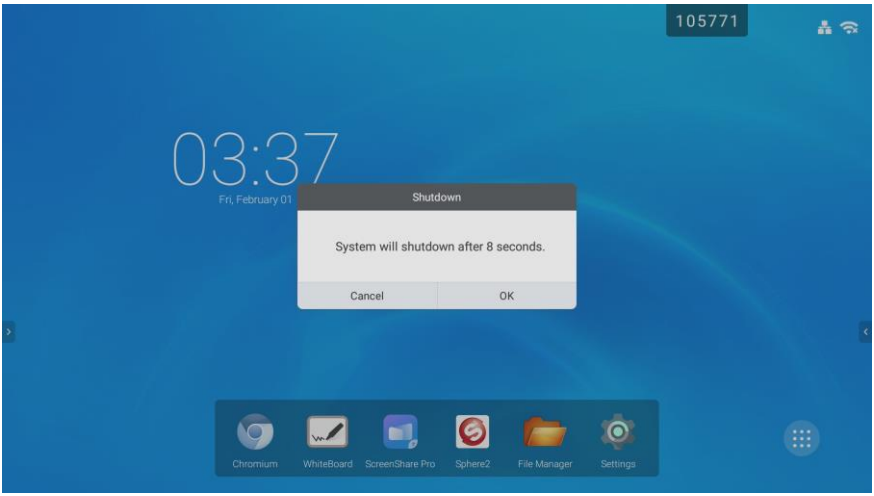
Power On

Connect the power plug of AVer CP2 to the power outlet on the wall. Press the power switch button to on and press the power button locate front panel of AVer CP2. After power on, the main screen is displayed.

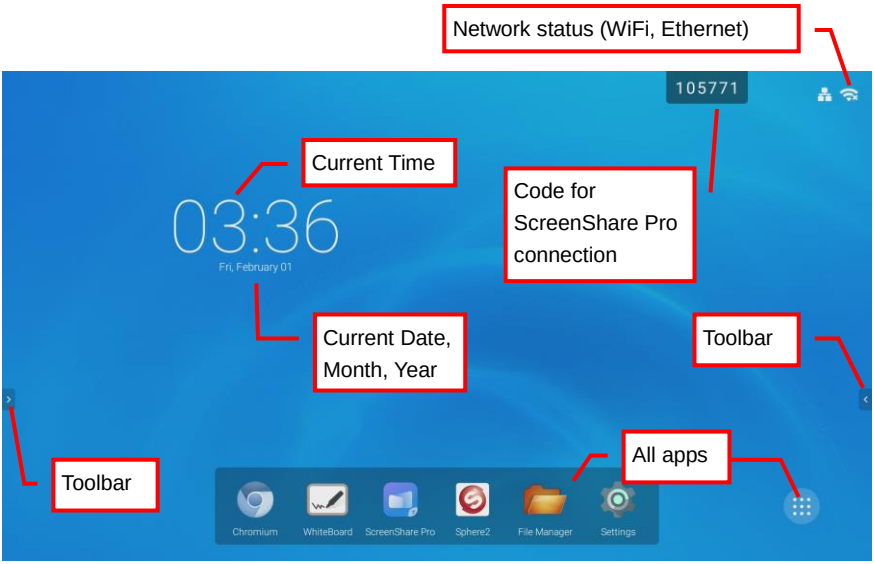


Power Off

While in power on status, press and hold power button (front panel) on the AVer CP2 unit and a message is displayed on screen; select “**Yes**” to turn off the AVer CP2 system.

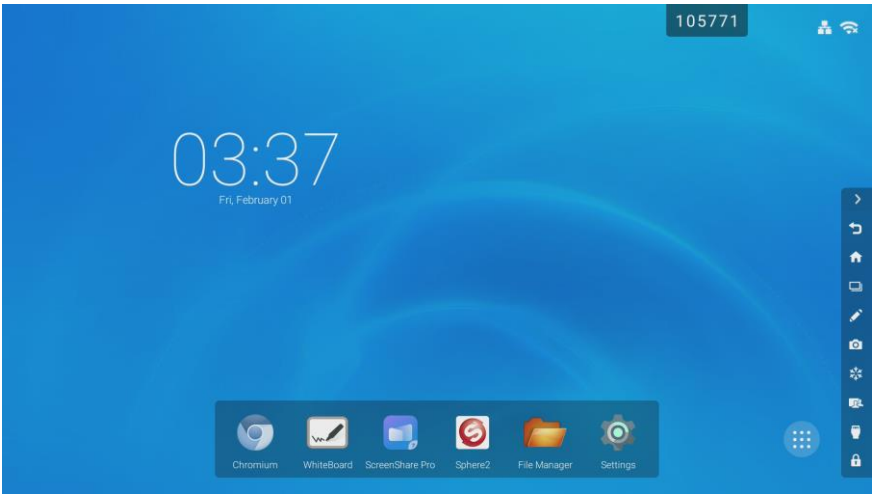


Main Screen

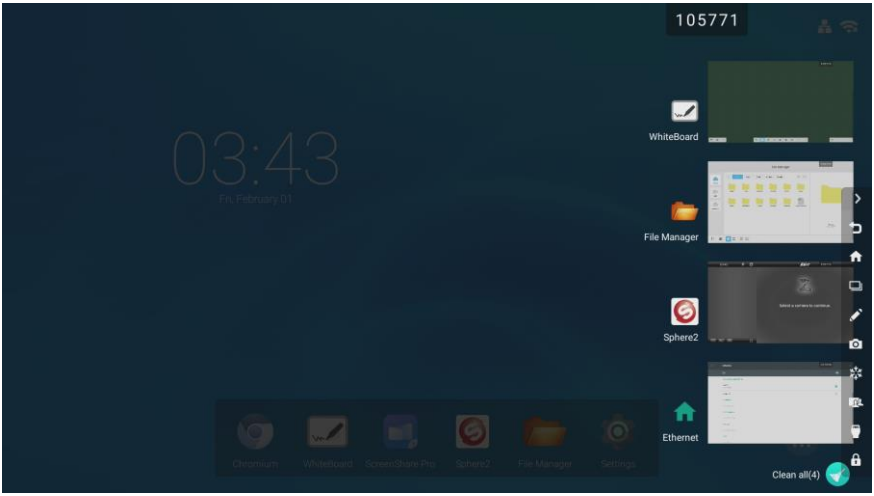


Toolbar

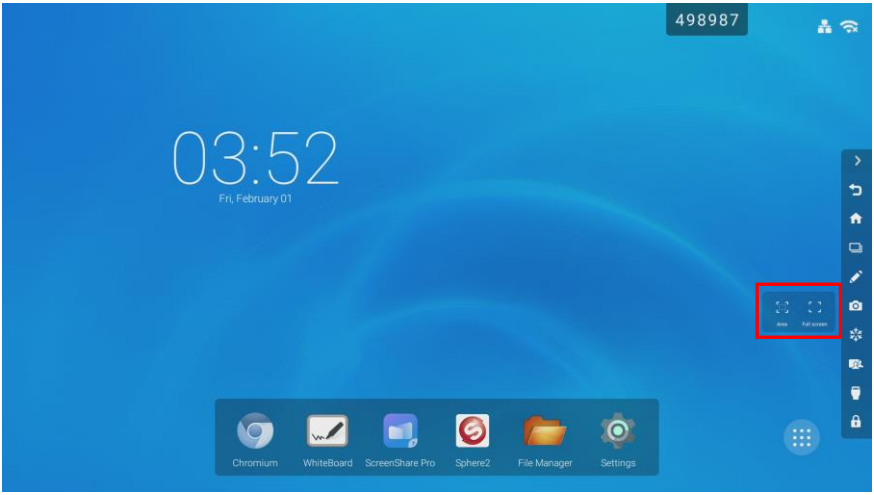
The toolbar is located at both side of the screen, Tap or to call out the toolbar. Tap to hide the toolbar. The toolbar position can be move up or down.



- **(Back):** Back to previous screen.
- **(Home):** Return to main screen.
- **(App Switch):** View recent running programs, switch to one of running program, and close the running programs. Tap “**Clear all**” can close all programs.

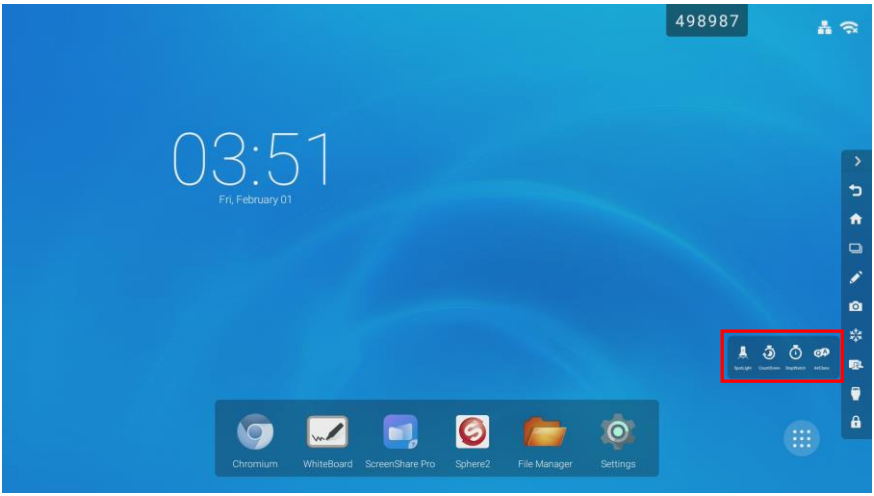


- **(Annotate):** Call out the annotation tool (Also see Annotation Tool section).
- **(Snapshot):** Capture the current screen image and save to local disk. User can select the specific area ( ) or full screen ( ) to capture.

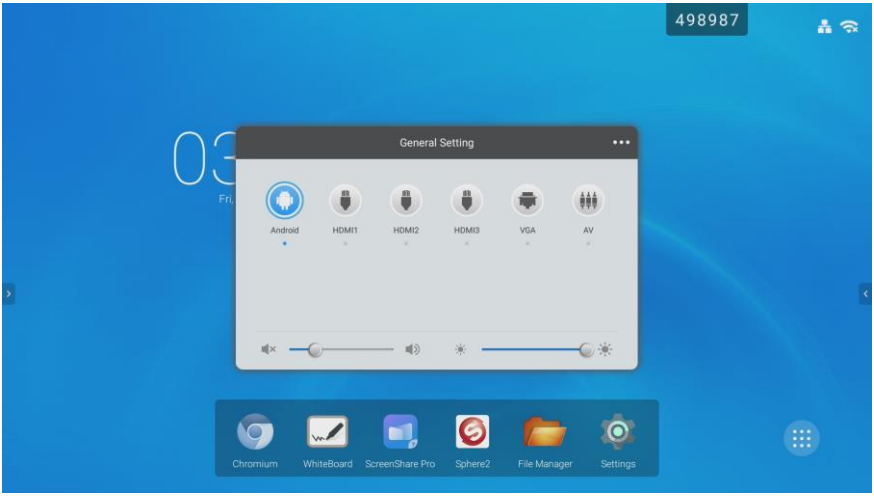


- **(Freeze):** To temporarily freeze the screen. A freeze icon will display at upper right corner. When in freeze status, user can zoom in/out the freeze screen image. Tap the "**Freeze**" button to un-freeze.

- **:** It includes Spotlight, CountDown, StopWatch, and AirClass(Also see Spotlight, CountDown, StopWatch, AirClass section).

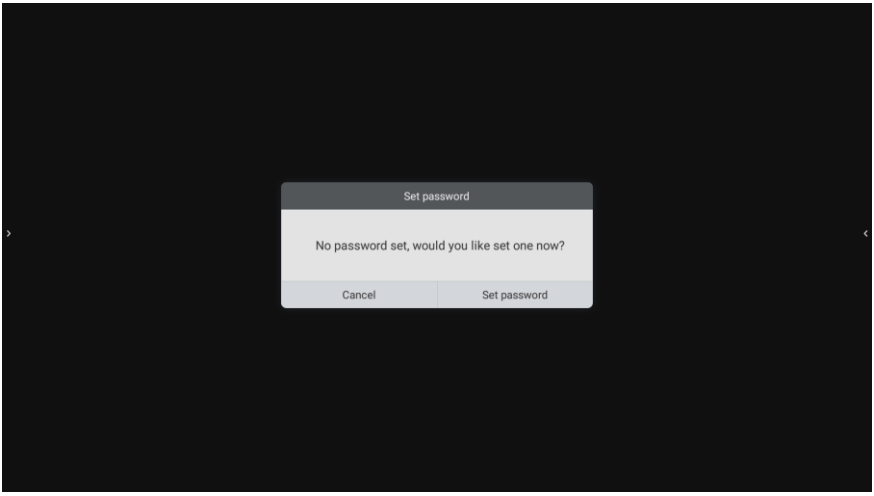


- **(Inputs):** Select the input source which devices are connected with the AVer CP2 system through HDMI and VGA interface. If the PC module has installed on AVer CP2 unit, a PC input source icon will display.



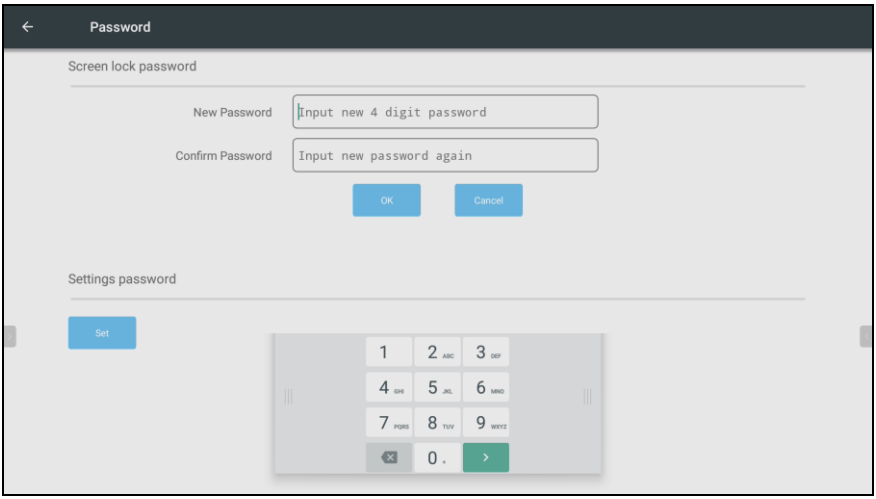
- **(Screen lock):** To lock the screen and turn off the backlight (The screen will be black).

  If the screen lock password is not set, the message will be display and tap “**Set password**” to set the password.

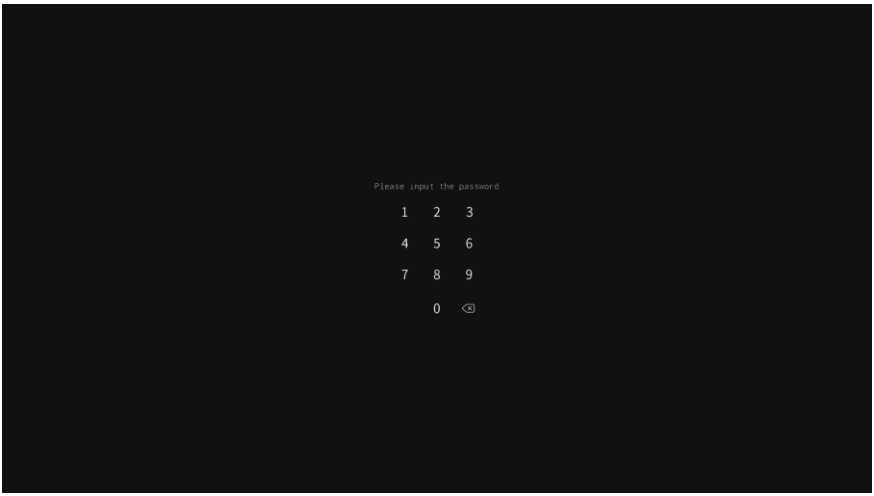


Next, tap “**Set**” to set the password.

Then, enter the password and tap “**OK**” to complete setup.



To un-lock the locked screen, press power button of AVer CP2 and enter the password that user has set.



Annotation Tool

The annotation tool can be used in any input source screen.

Tap from toolbar to call out annotation tool.

(Pen color): User can tap icon to switch pen color (black, red, blue, and green)

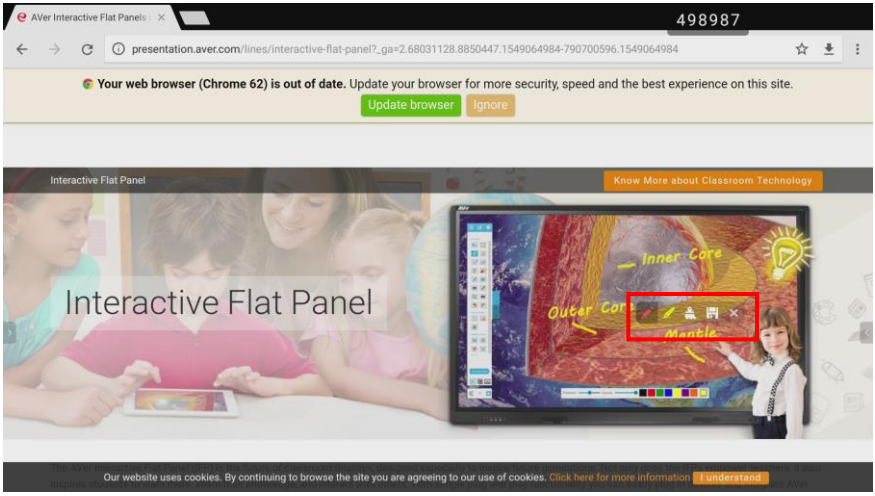
(Highlighter): User can tap icon to switch highlighter color (yellow, green, blue, and orange).

(Eraser): Clear all annotation on the screen.

[Note] Press with your fist or hand against the screen; a board eraser will show up and user can use it to clear large area of writing/drawing.

(Save): Save the screen image to local disk or external USB pen drive.

(Exit): Close the annotation tool.

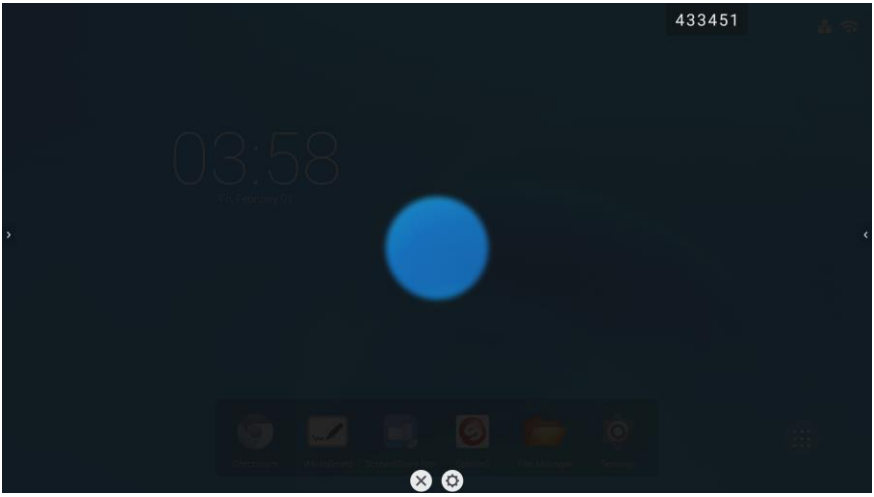


Spotlight

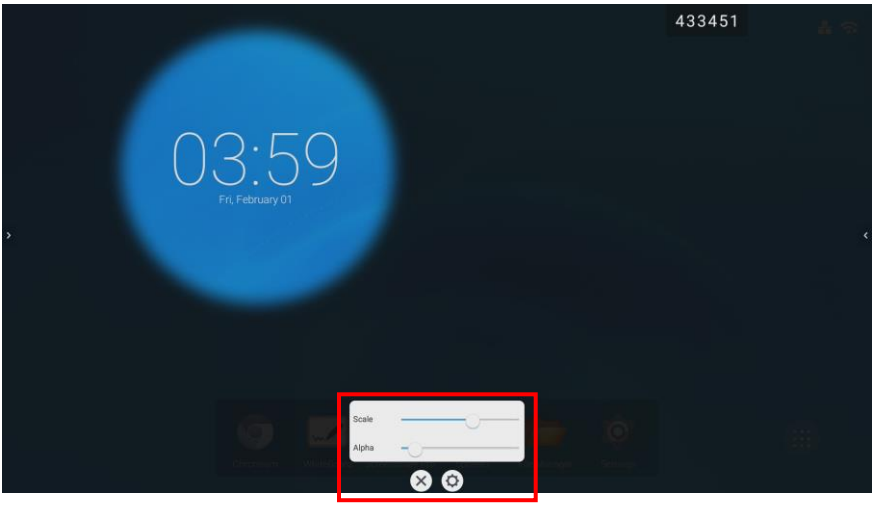
Focus part of screen to display. User can adjust scale and alpha of spotlight.

Tap > from the toolbar.

User can move the spotlight around the screen.



Tap to adjust scale and alpha of spotlight. Tap "**X**" can exit/close spotlight function.

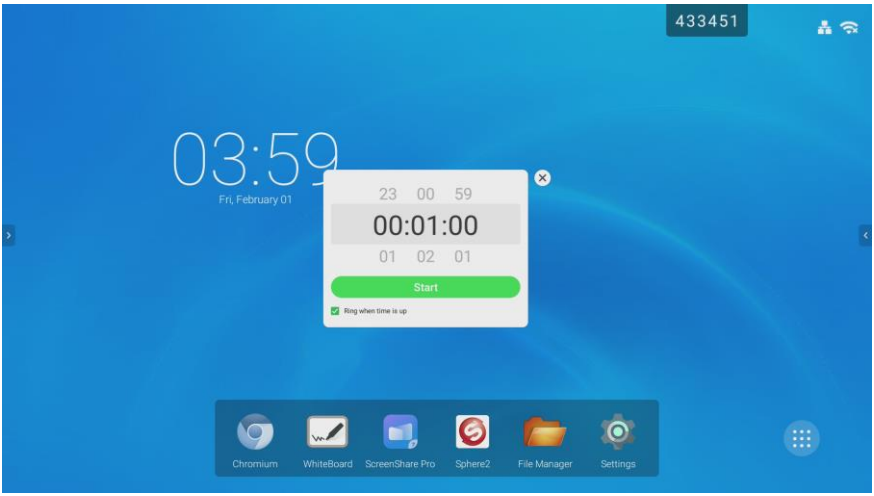


Countdown

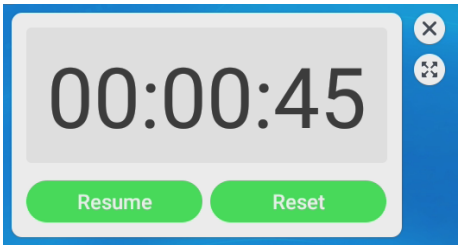
The Countdown timer function.

Tap > from the toolbar.

Tap “**Start**” to begin countdown. Mark “**Ring when time is up**” when the time is up the system will give a ring sound. Tap “**X**” to close countdown function.



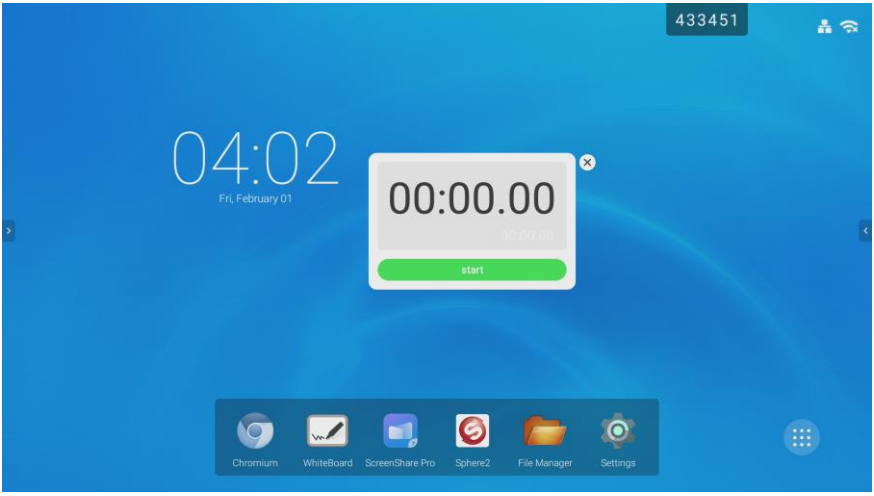
User can pause, resume and reset the countdown timer. Tap “ ” can switch to full screen mode. Tap “ ” to close countdown timer.



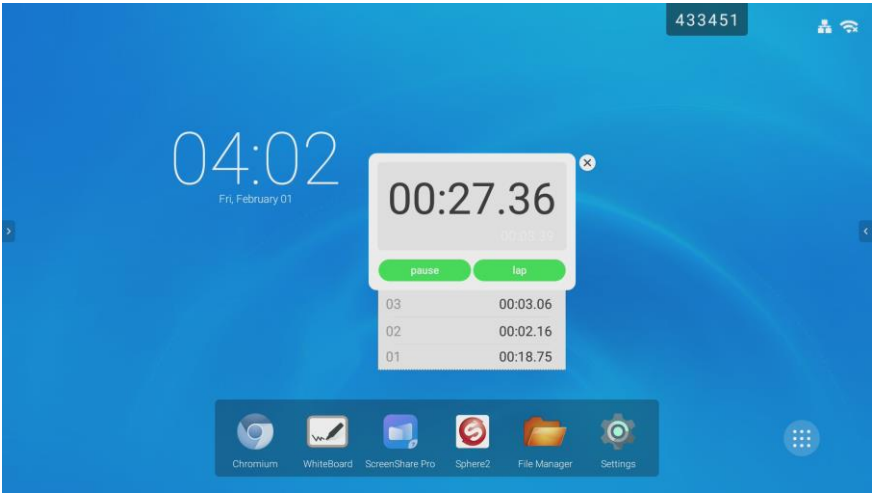
Stopwatch

Tap > from the toolbar.

Tap “**Start**” to begin.



Tap “**Lap**” to mark the time. Tap “**Pause**” to stop temperately. Tap “**Continue**” to start again. To restart, tap “**Reset**”.



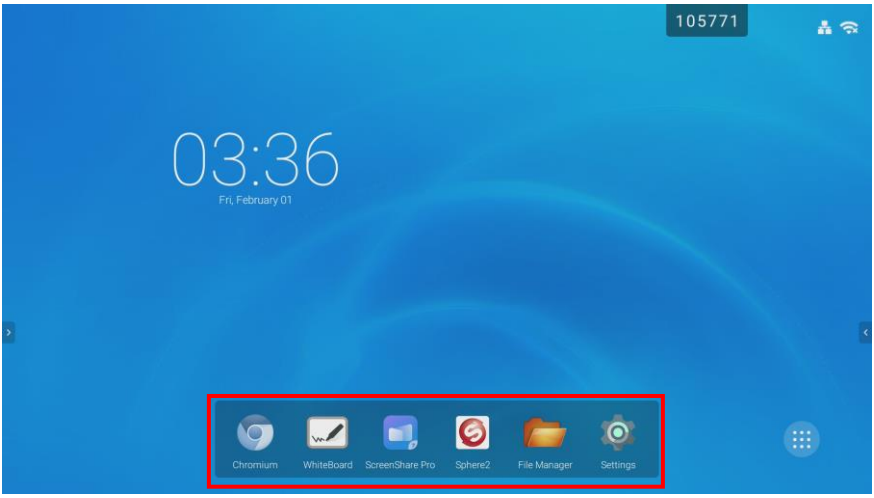
AirClass

Students can scan bar code to join the class for interactive teaching.

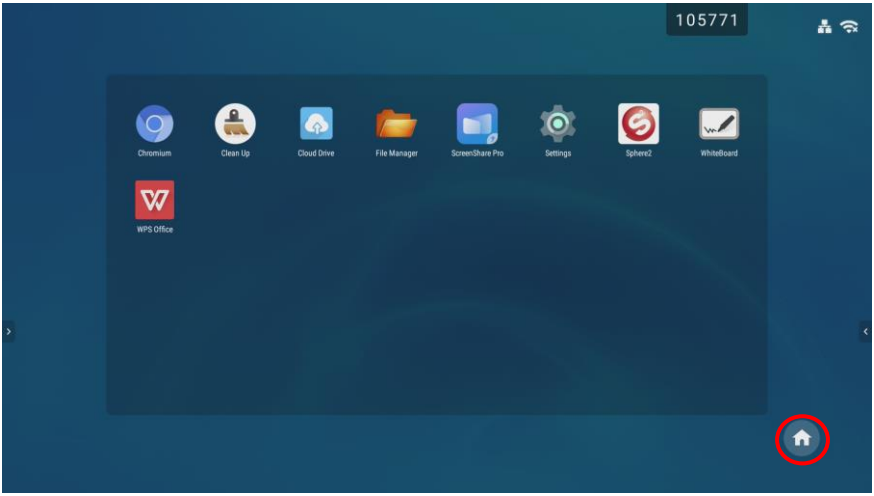
Tap > from the toolbar.

All apps

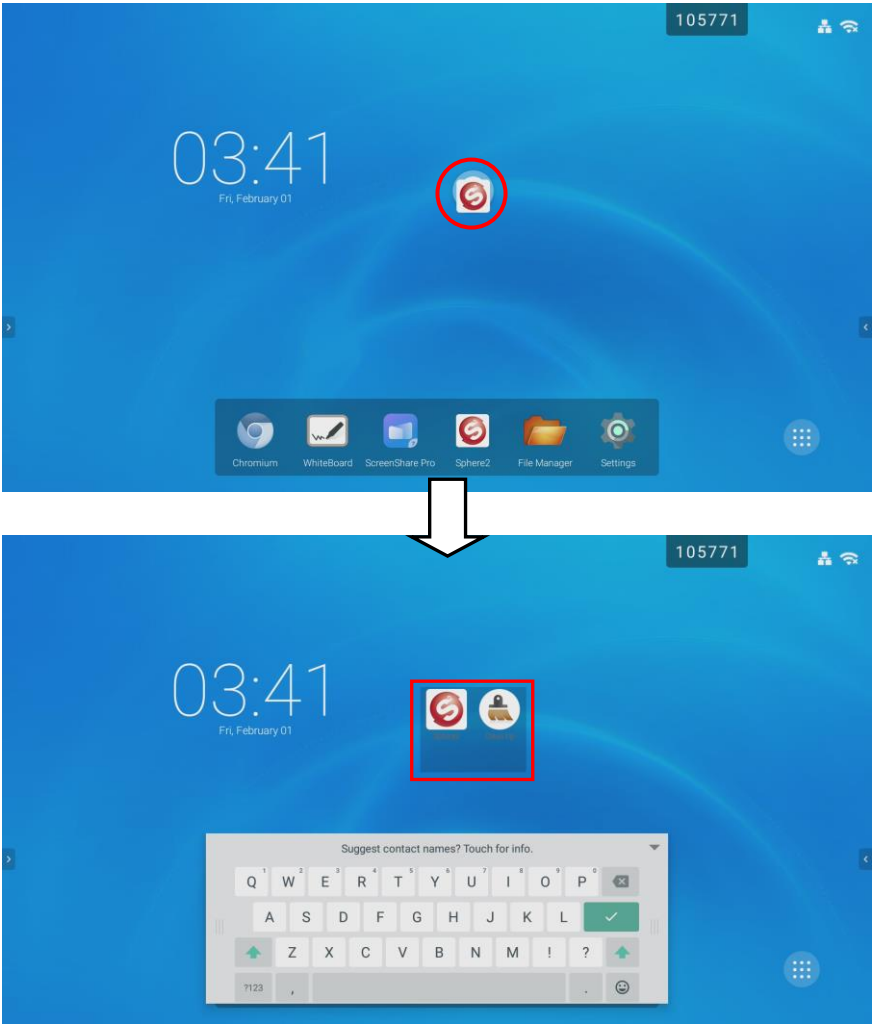
All application programs in the system are displayed in here. Select to expand app list. Tap and hold on the app can move app's position to the screen.



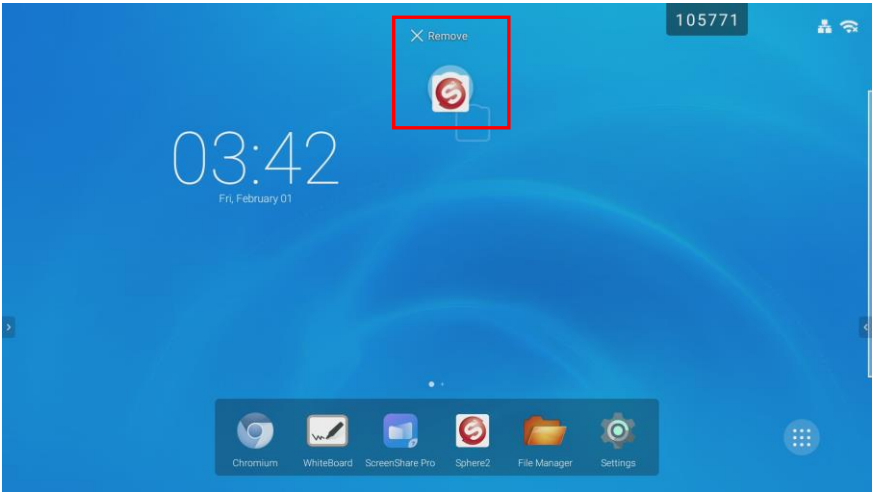
Click to exit the app list.



Multiple apps can create a file folder on the screen. First, move the one app to the screen and move another app overlap on the app. Then, a file folder will be created. The file folder can be re-named as user wants; just select and enter the name.

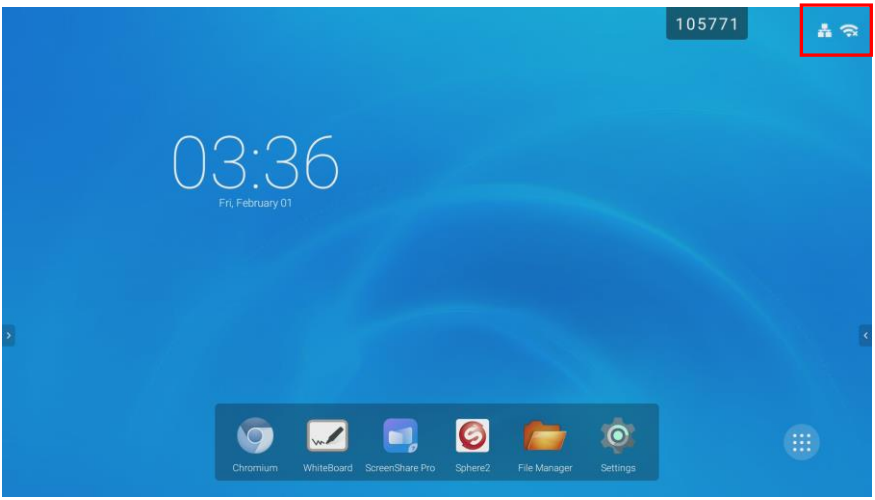


To delete the folder, tap folder until the “**remove**” option is shown and move the folder to remove option.



Status icon

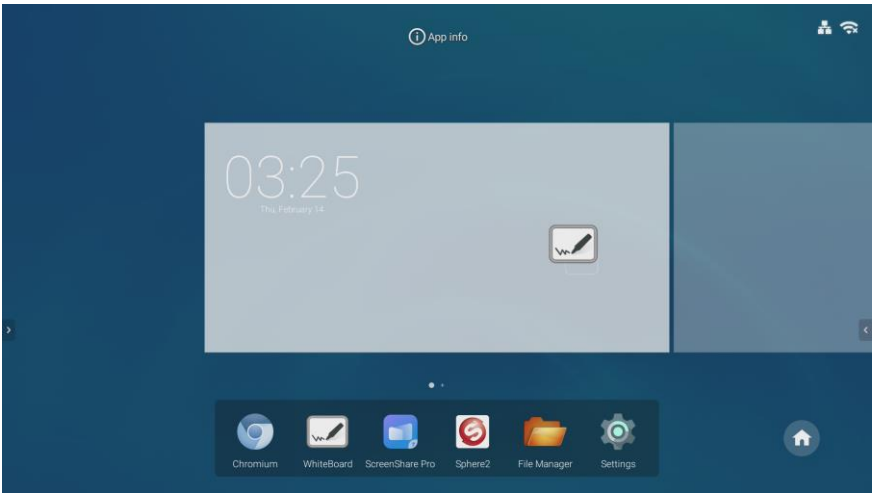
The Ethernet and WiFi status icon is located at upper right corner. Tap icon will call out the Ethernet/Wi-Fi setup page.



Multiple Screen Page

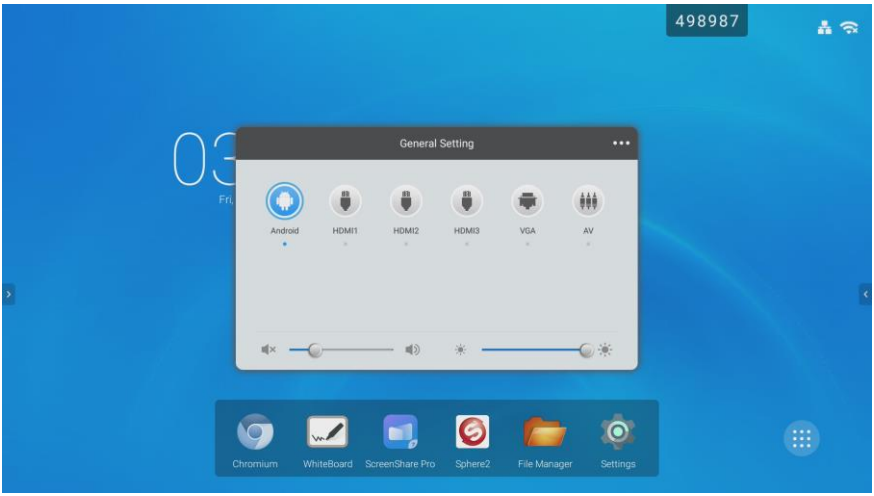
The AVer CP2 supports multiple screen pages.

Tap an app and move to the screen; the screen page becomes multiple pages status.



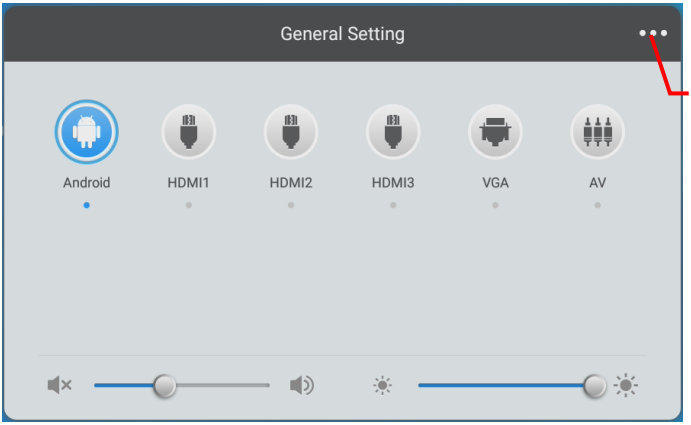
On-Screen Menu

User can select input source, adjust volume and brightness, setup audio, screen ratio, display parameters, and adjust screen position and relate parameters.
On the screen, swipe from bottom to top to call out the on-screen menu. Also, tap toolbar > can call out the on-screen menu.



■ **General Setting**

Select the input source. If the PC module is installed, a “PC” input source will be displayed. Also, user can adjust volume and brightness by moving the bar.



■ **Audio**

User can select the audio value by the scene – **Standard**, **Meeting**, **Class**, and **Custom**. The Standard, Meeting, and Class have default value, but user still can adjust the value on your own. Custom can be set by user own.

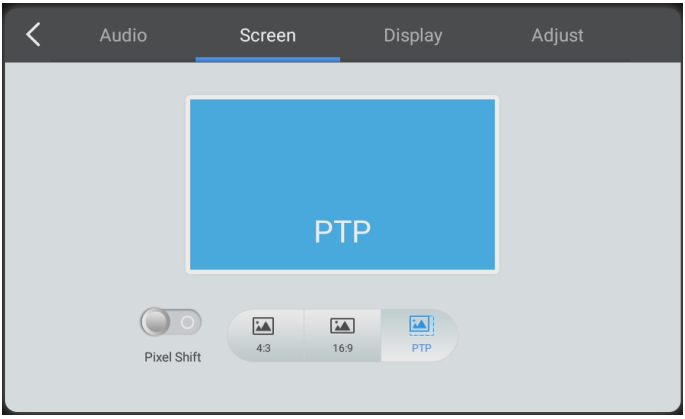
To adjust value, tap the function circle (ex: volume, balance) and move (blue circle) forward or back to adjust.

To mute the sound, select "**Mute**" to the on status. When mute turn to blue means on.

■ **Screen**

Select the screen ratio – 4:3, 16:9, PTP. User also can enable/disable the "**Pixel Shift**" function.

This option is available only when the video input source is VGA or HDMI.



■ Display

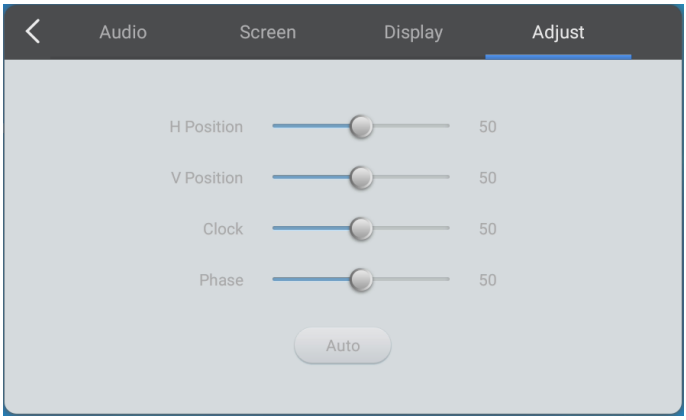
User can select the display value (brightness, contrast, hue, sharpness) in “**Standard**”, “**Bright**” and “**Soft” mode**. Or select “**Custom**” to setup your own. The display color can be select in “**Standard**”, “**Cold**”, or “**Warm**” mode.

This option is available only when the video input source is VGA or HDMI.

■ Adjust

User can modify this option only if the currently video input source is VGA.

- **H Position:** Sets the horizontal position of the image on the screen.
- **V Position:** Sets the vertical position of the image on the screen.
- **Clock:** Sets the clock phase of the image.
- **Phase:** Sets the image visual noise.
- **Auto**: Automatically sets the H Position, V Position, clock and phase value.

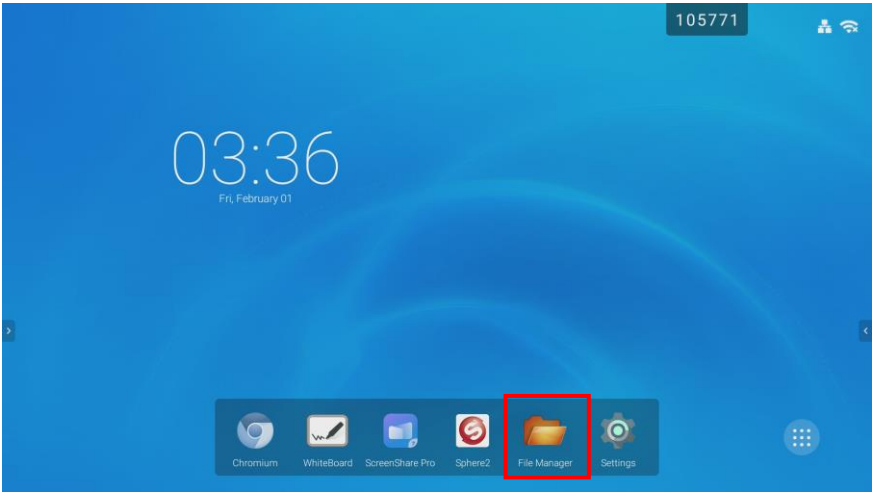


Cloud Storage

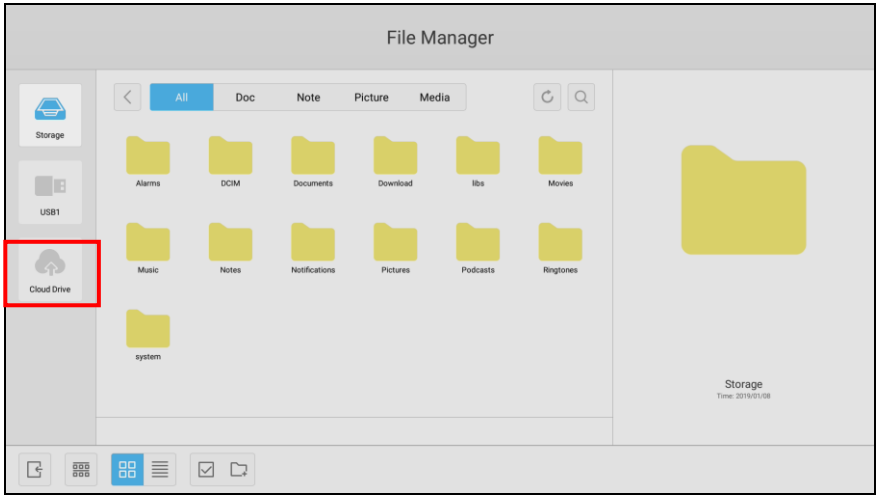
Create the google drive account on IFP for file accessing and storage.

Build an Account

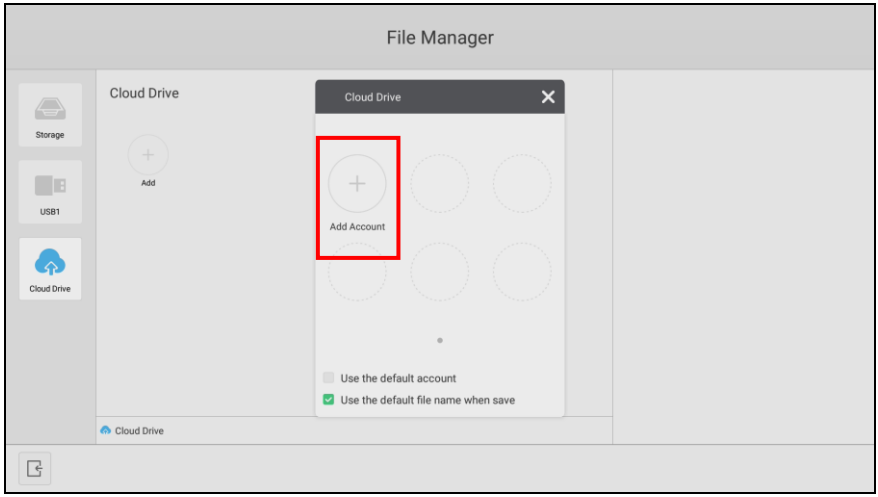
1. Open the “**File Manager**” on the main screen.



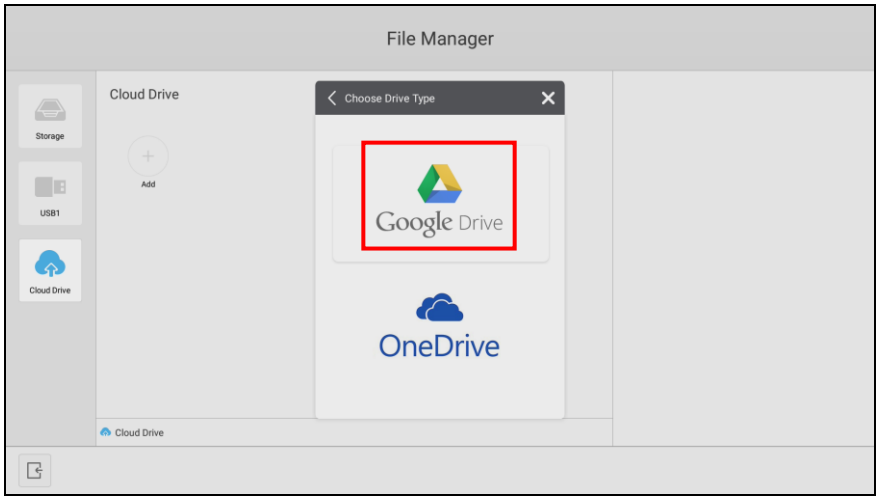
2. In File manager screen, select “**Cloud Drive**”.



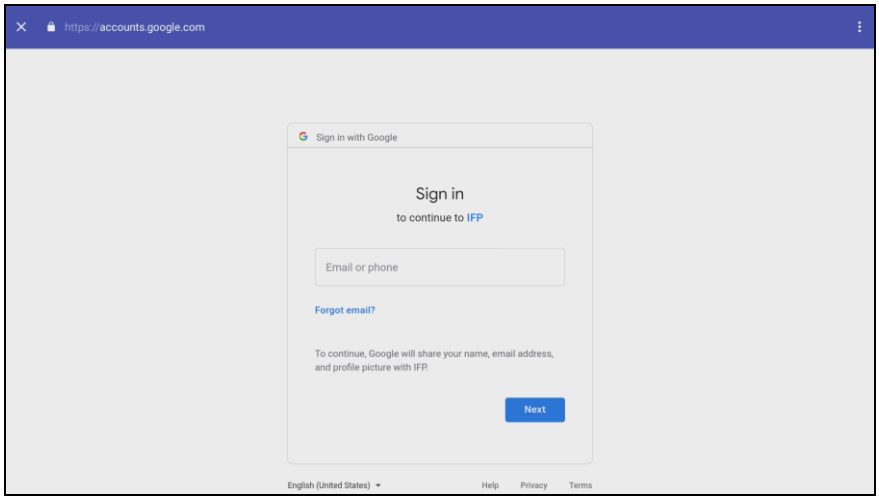
3. Select “**Add Account**”.



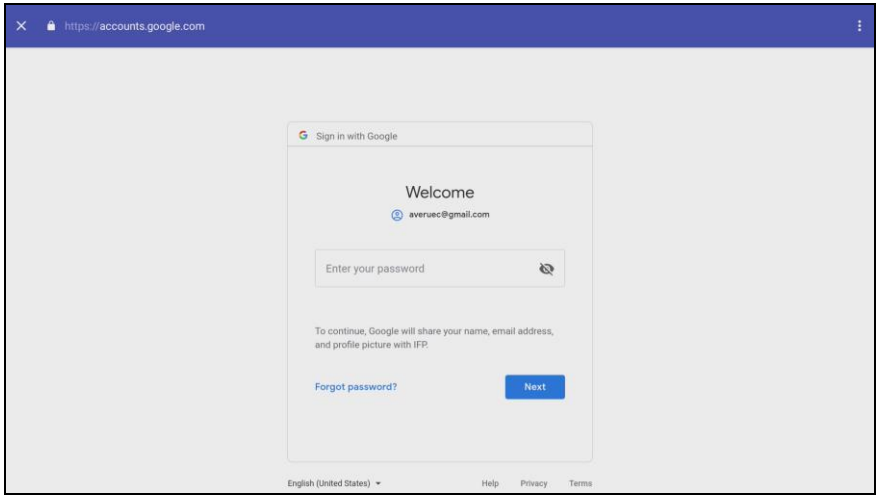
4. Then, select “**Google Drive**”.



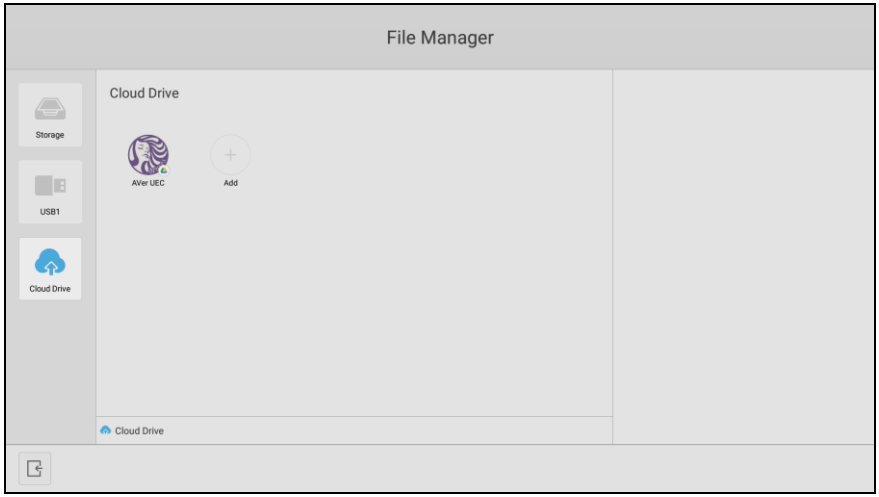
5. In Term of Service page, select “**Accept and Continue**”.
6. The Google sign in screen is displayed. Enter your google account and select “**Next**”.



7. Enter your Google account’s password and select “**Next**”. And follow the on-screen instruction to complete.

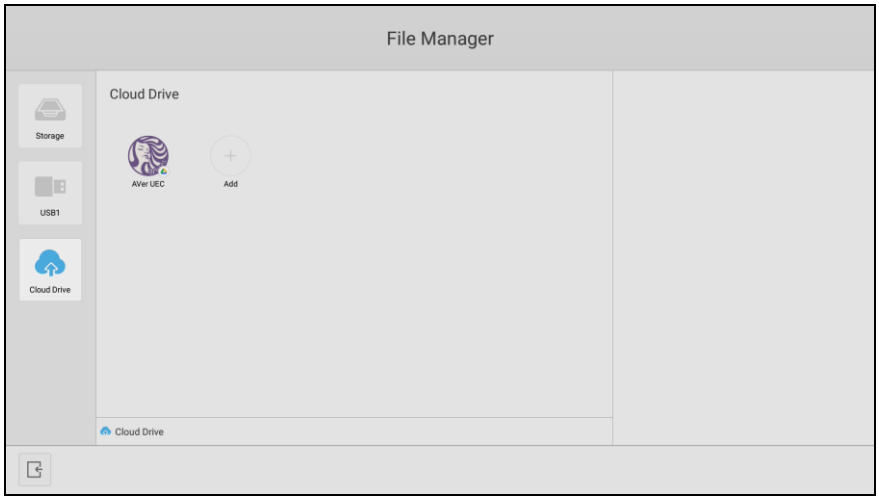


8. The google drive account is created on AVer CP2 system.

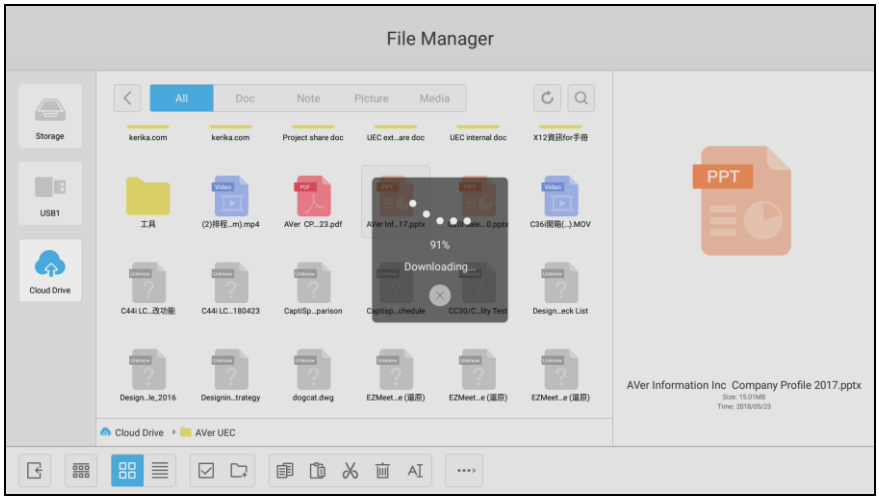


Open a File from the Cloud Storage

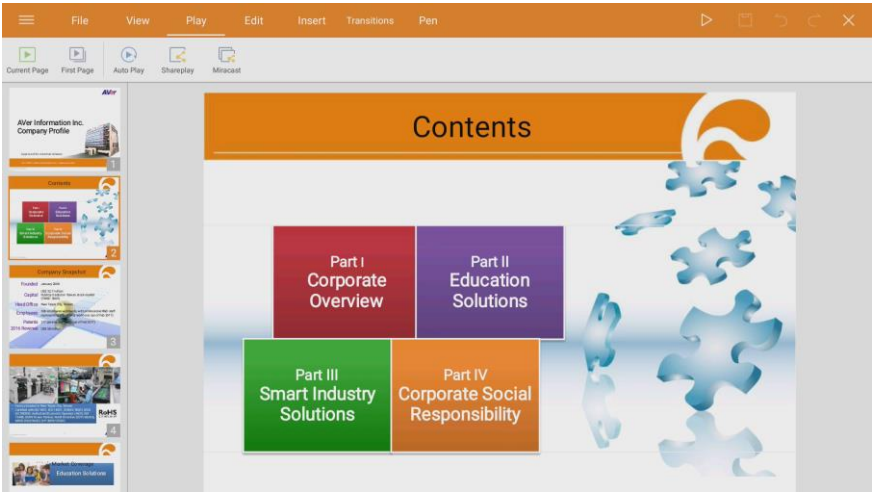
1. Open the **File Manager** > **Cloud Drive** > your Google drive account.



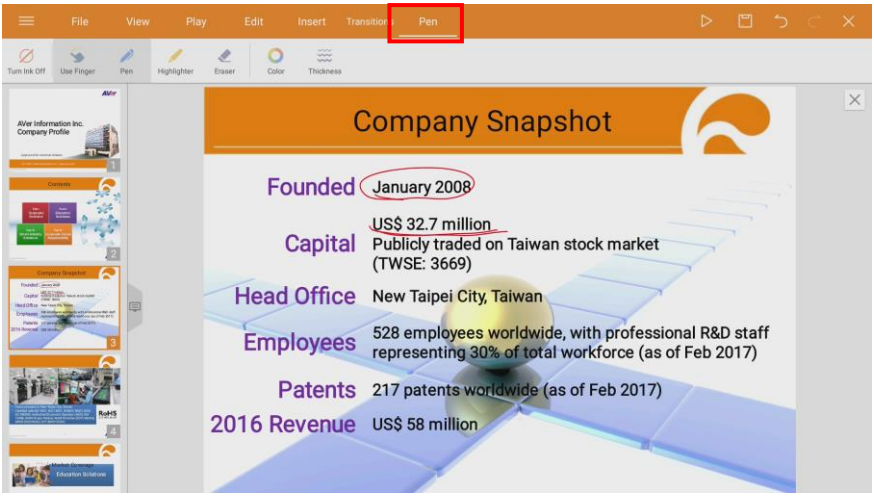
2. Select the file from your google drive.
3. Wait for selected file to download to local disk and open it.



4. The file is opened by OfficeSuite. Click to play slides.



5. Select “**Pen**” tool can edit file. Edited file can be saved as PDF file. Select to save the edited file.

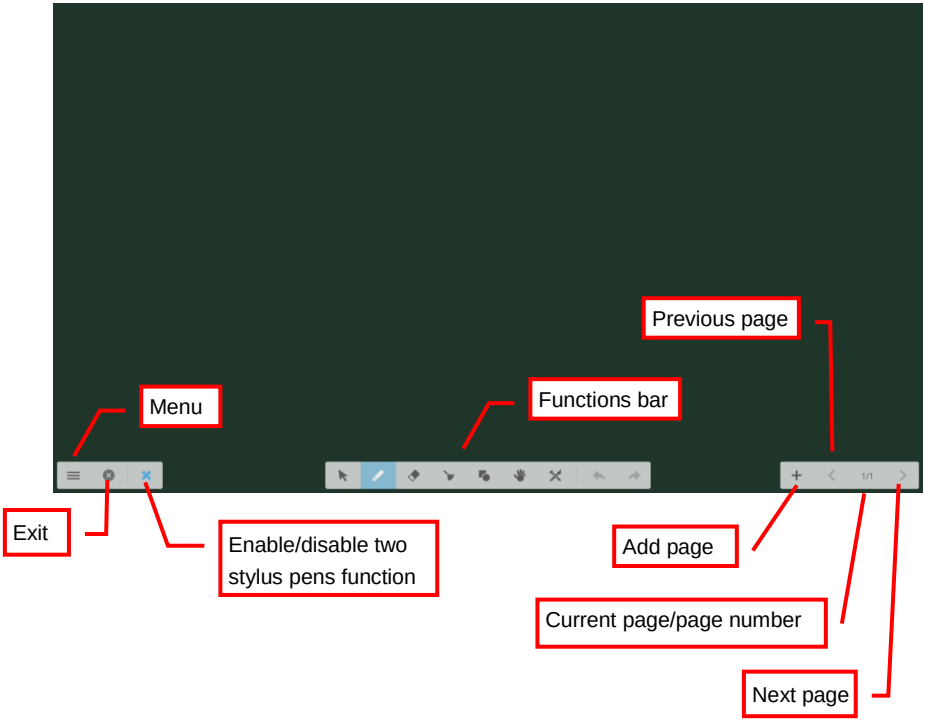


Whiteboard

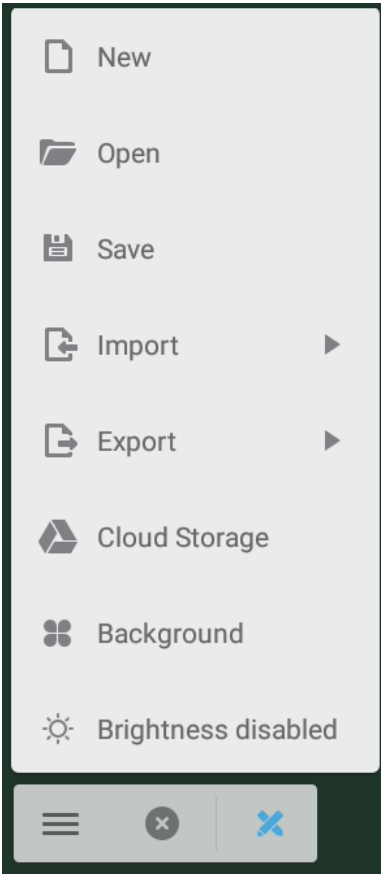
Select on main screen to call out the whiteboard application.

The whiteboard supports two stylus pens function; two stylus pens can write/draw on the screen at the same. Tap to switch to can enable two stylus pens function.

[Note]The two stylus pens easily has wrong color with thin pens, please use it with.



Menu Function

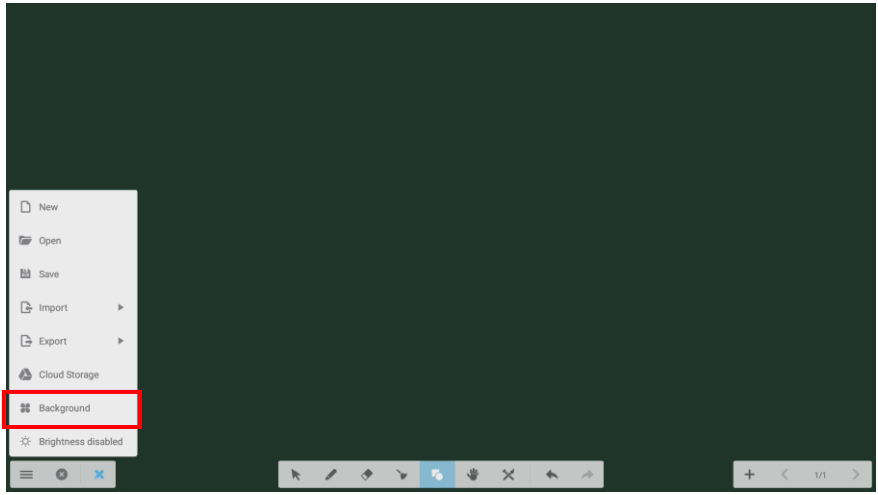


New	To create new file.
Open	To open *.enb format file from local disk.
Save	To save current screen to local disk or external USB drive. The file format is *.enb.
Import	To import IMG, PDF, SVG file format.
Export	Click to export current screen to IMG, PDF, SVG, or IWB file format.
Cloud Storage	To upload the current screen image to cloud storage.
Background	To change background.
Brightness disabled	To enable/disable auto brightness.

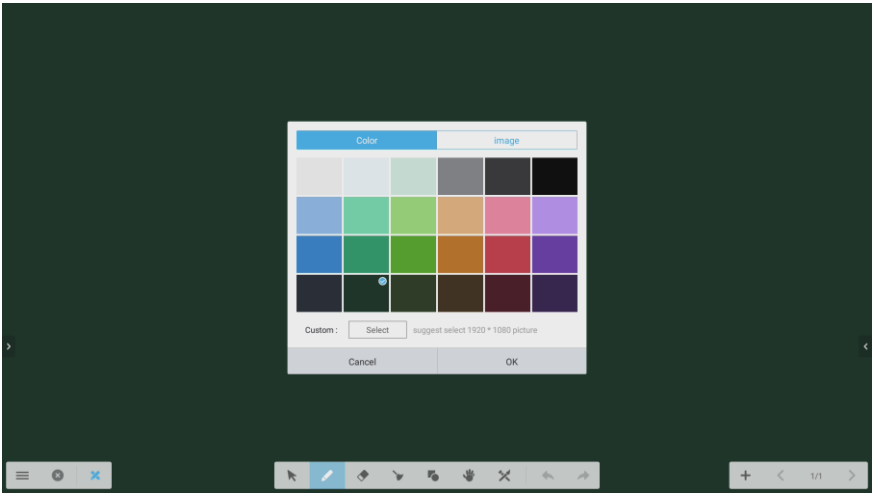
Background

The whiteboard can change to different color and format.

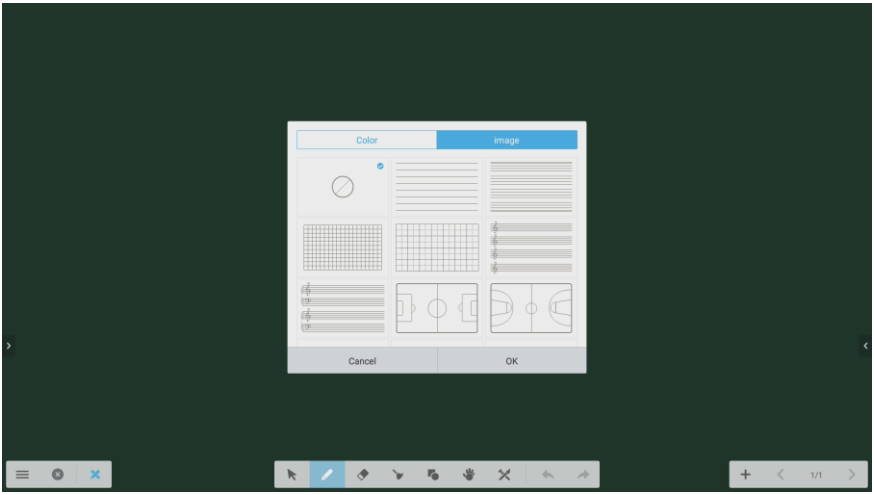
1. Select (menu) and select “**Background**”.



2. **Color:** The user can select the different background color. Select “**Custom**” can set your own color.



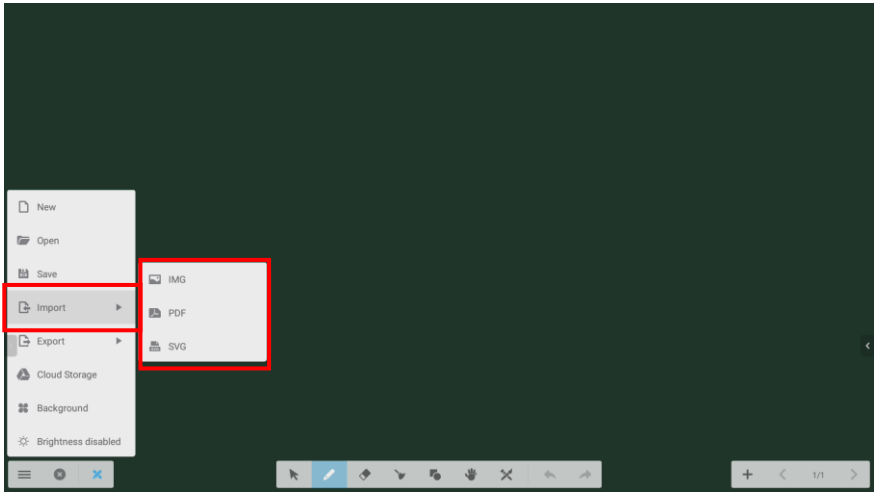
3. **Image:** The user can select different background form.



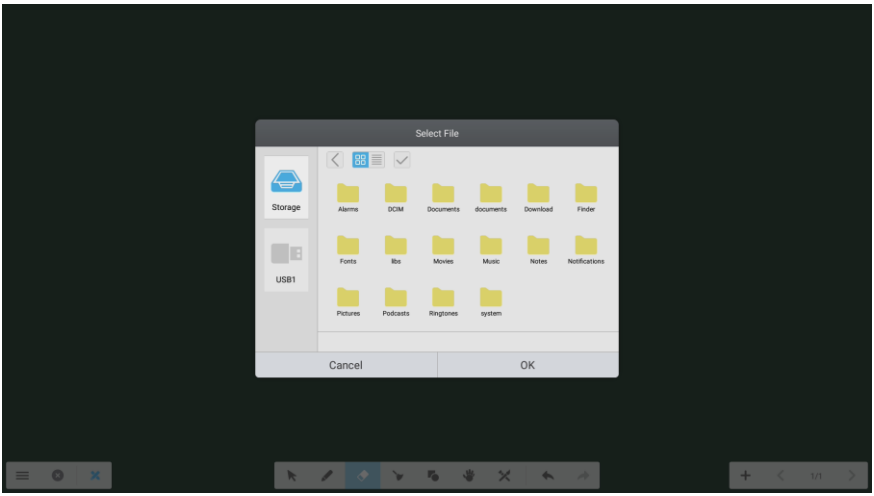
Import PDF

User can import the PDF file from local disk or external USB pen drive into whiteboard.

1. Select (menu) and select “**Import**” > “**PDF**”.



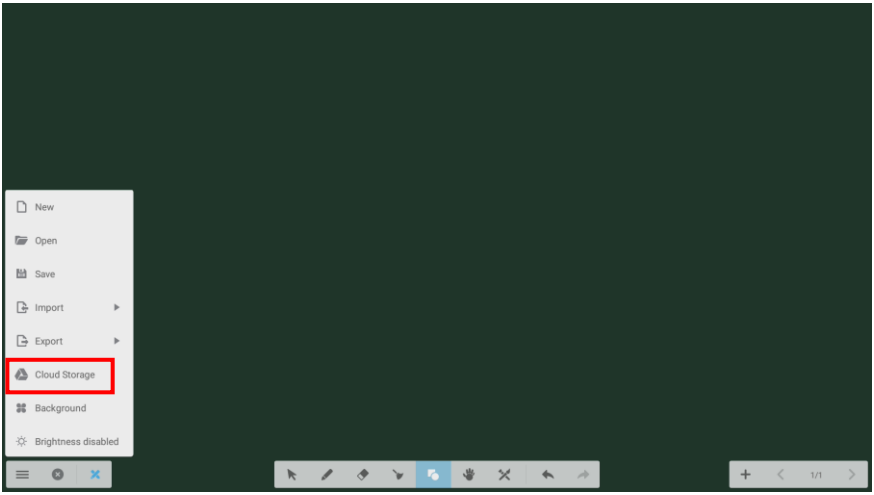
2. Then, locate the PDF in local disk or external USB drive. Then, the imported PDF file will display on the screen.



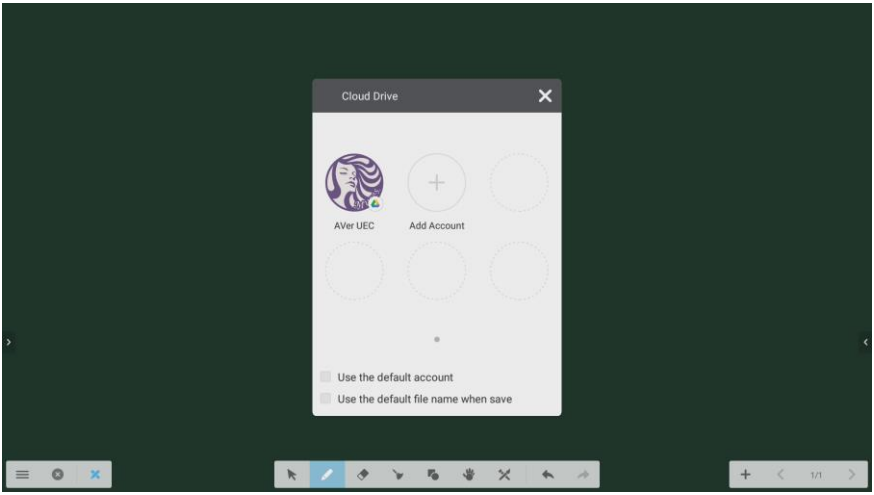
Save the PDF file to Google Drive

[Note] The Google drive must has created on AVer CP2 (See also Cloud Storage section).

1. In whiteboard page, select (menu) and select "**Cloud Storage**".

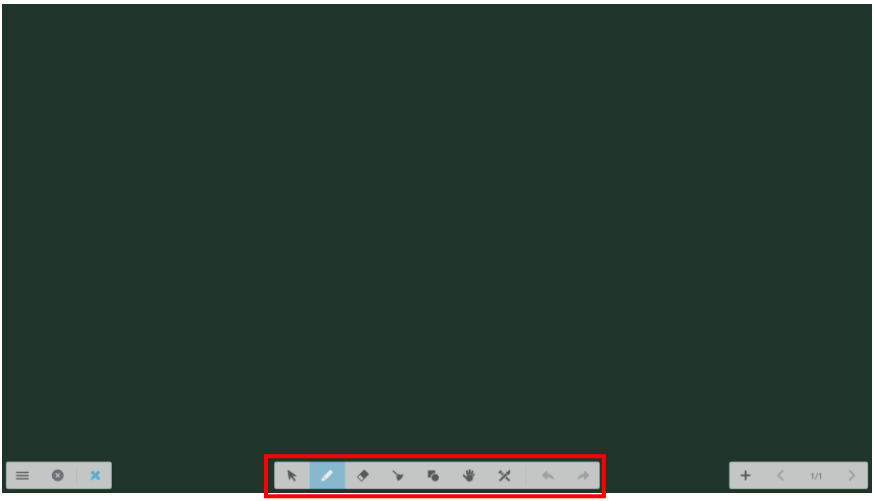


2. Select the Google Drive account. Then, the file will be saving to the Google drive account.
   - **Use the default account:** If user has selected this option, the Google drive account user has selected this time will be default.
   - **Use the default file name when save**: If user has selected this option, the file name will be default file name when next time save the file to Google drive. If not use default file name, a file name entering is required.



Using Whiteboard

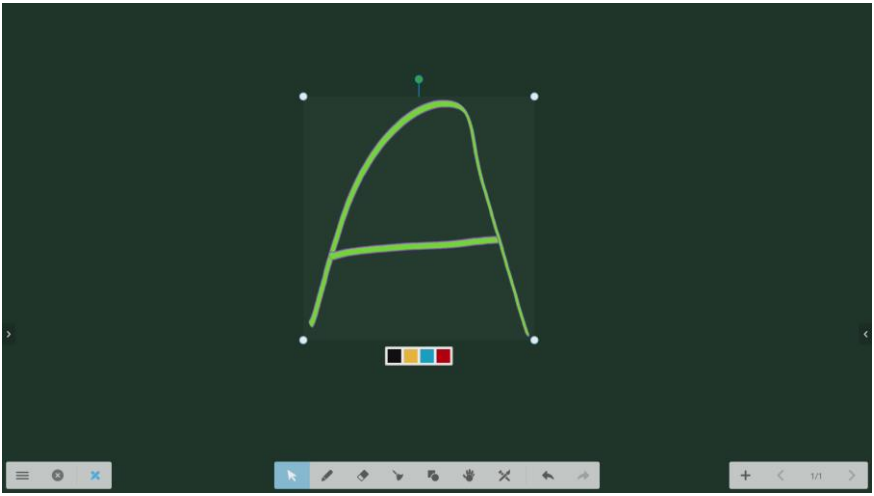
The whiteboard function tools are described in following.



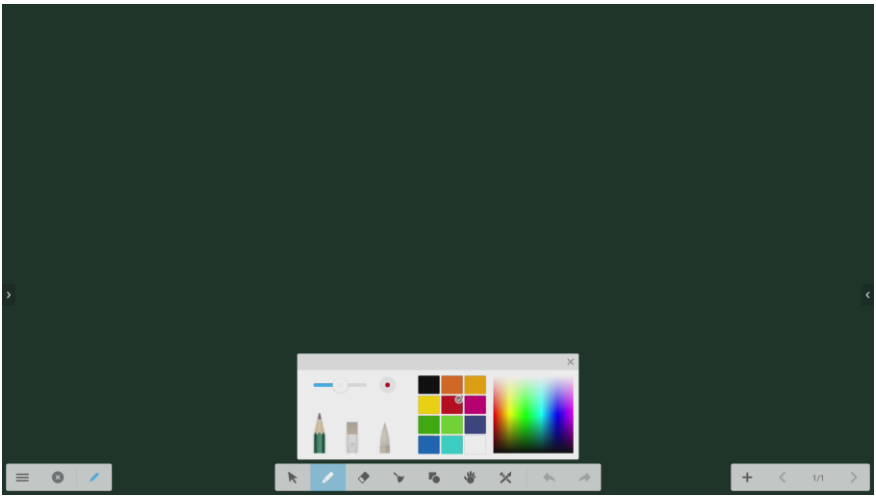
■ **Select(** **)**

Allows user to select the object on the screen to edit.

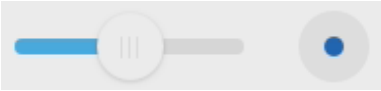
User can change the object's color and size. Tap the color to change the selected object's color. Tap and hold the white dot at corner to adjust the size of the selected object.



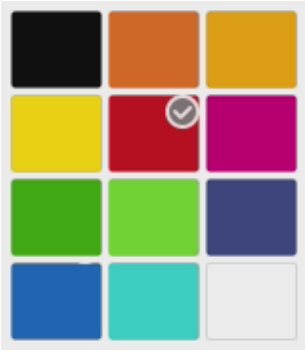
■ **Pen (** **)**



Pen type. Two stylus pens can select different pen type.



Adjust the thickness of pen. Move the dot to adjust the thickness. Two stylus pens can select different pen thickness.

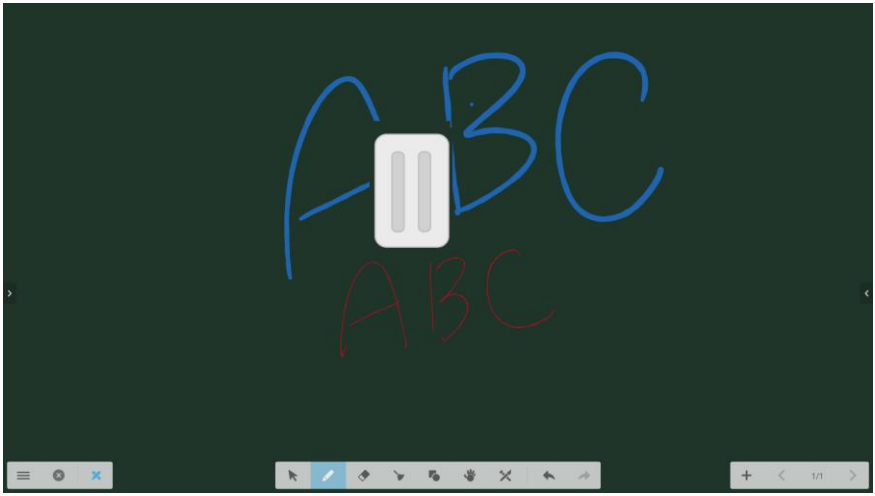


Pen color. The color within mark icon is selected. Two stylus pens can select different pen color.

■ **Eraser**( )

To clear the writing/drawing on the screen as required.

Press with your fist or hand against the screen; a board eraser will show up and user can use it to clear large area of writing/drawing.



■ **Clear All**( )

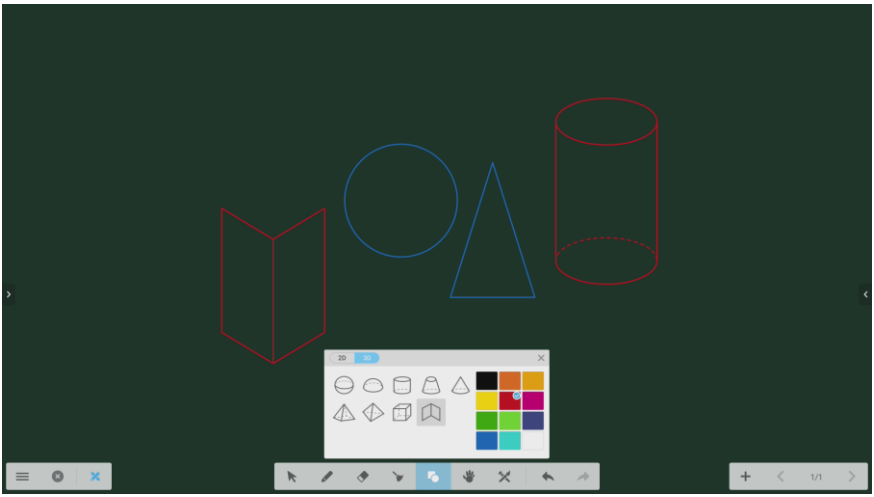
Clear all writing/drawing on the screen.

■ **Move/Zooming**( )

Move/Zooming the writing/drawing objects on the screen.

■ **Shape**( )

Draw the shape objects on the screen. Shape objects have 2D and 3D. Tap color to change color of shape.

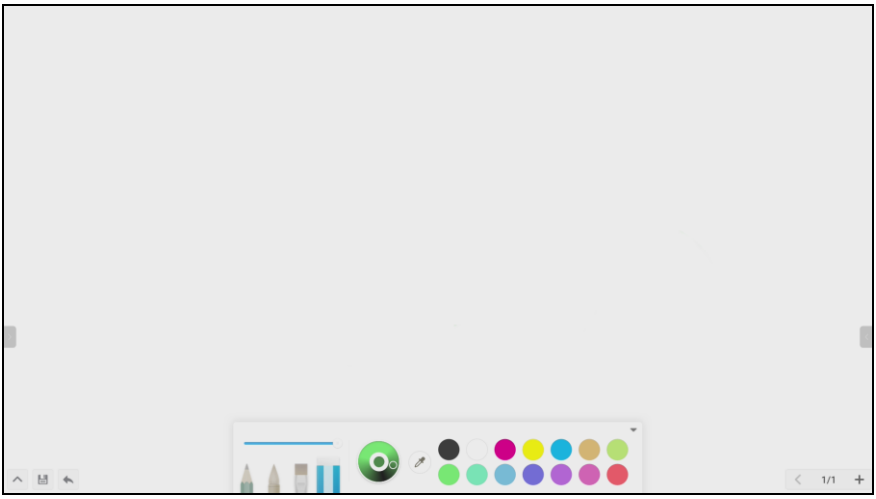


■ **Undo** ( ): Back to previous step.

■ **Redo** ( ): Redo the previous step.

■ **Watercolor(** **)**

Another annotation tool within whiteboard.



Pen type.

To erase the writing/drawing on the screen. Eraser can adjust area size by move the adjust bar.

Adjust the thickness of pen. Move the dot to adjust the thickness.

Select color then press and rotate the circle on palette to adjust color

Click dipper to dip up color for pen.

Click to change pen color

Back to Whiteboard screen.

Save the current screen image to local disk or external USB drive.

Back to previous step.

Add page.

Current page/total page number.

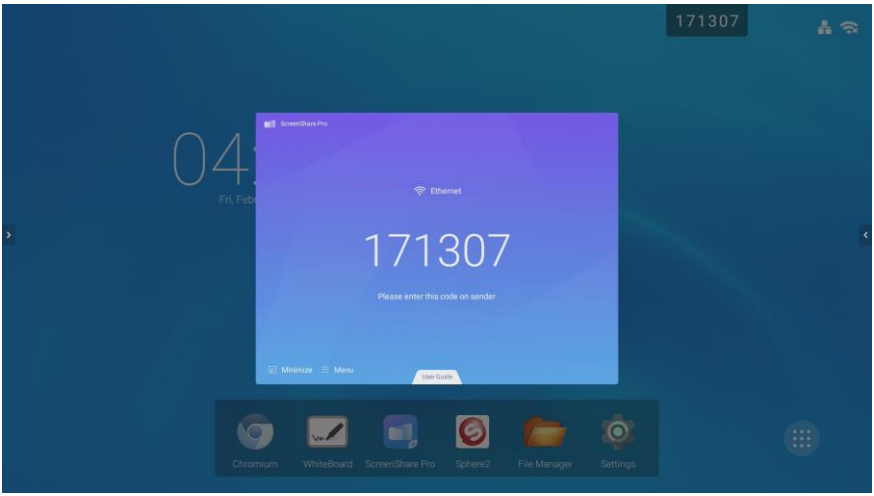
Back to previous page.

ScreenShare Pro

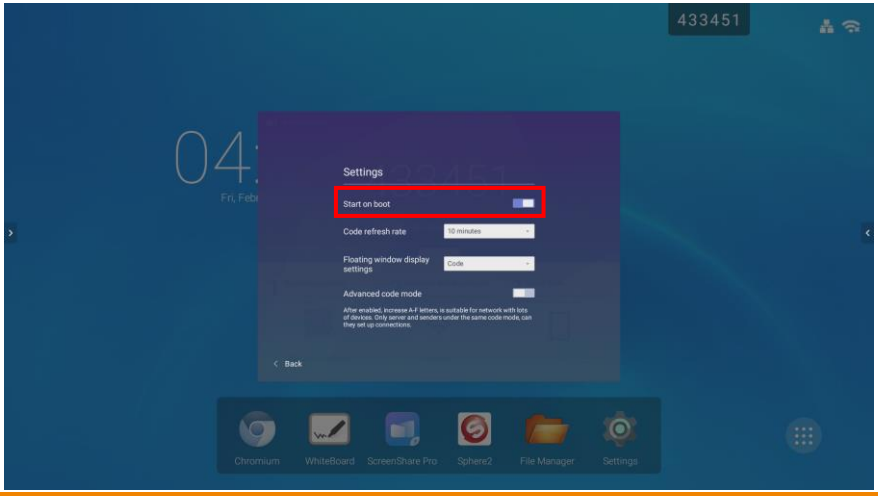
Devices are able to interact directly with the panel across all platforms (Windows, iOS, Android, Mac, and Chrome OS) and share content wirelessly without any add-on hardware installation.

Setup ScreenShare Pro

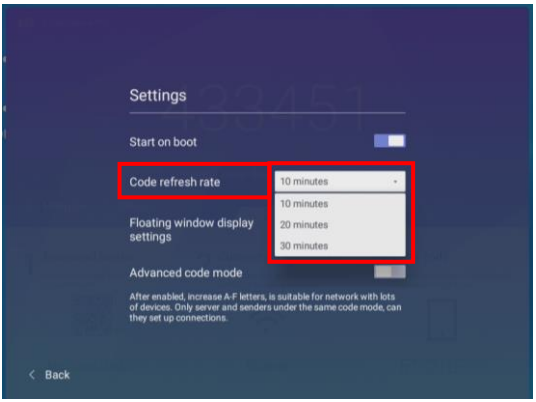
Tap to call out the ScreeShare Pro. Tap “**Menu**” > “**Settings**” to Settings page.



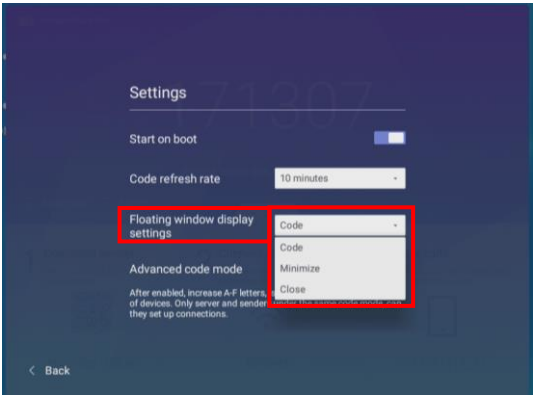
- **Start on boot:** Enable/disable to display the ScreenShare Pro code when AVer CP2 is start-up.



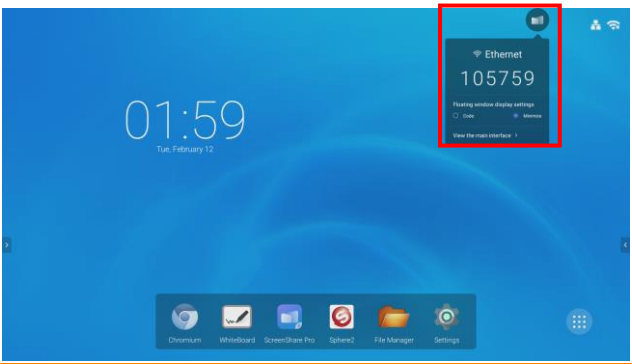
- **Code refresh rate:** Set the period time of code change.



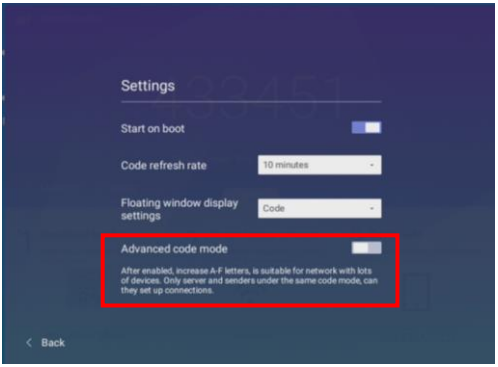
- **Floating window display settings:** Select to display code, minimize, or close code display on the screen.



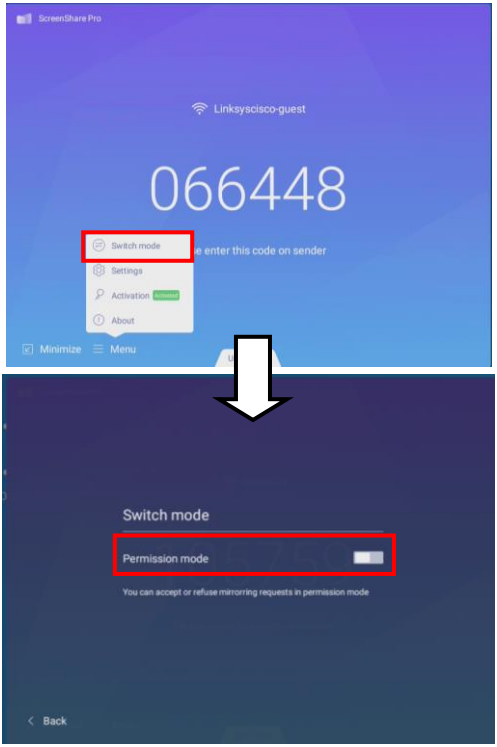
When code is in minimized status, tap on screen can view the code, change code to display status and go to main setup page.



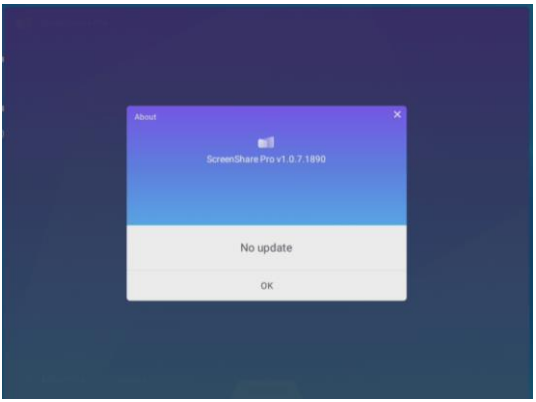
- **Advanced code mode:** Allows multiple devices connect to AVer CP2 through the ScreenShare Pro at the same time. In advanced mode, the code is with A-F letter (ex: 105759A).
  [Note]Only chrome solution doesn't support multiple screen.



- **Switch Mode:** Switch to permission mode. In permission mode, user can accept or reject the any device wants to mirror to AVer CP2.
  Tap “**Back**” to exit from settings page. Tap “**Menu**” > “**Switch mode**” > tap to enable it.



- **About:** Check the update and version.



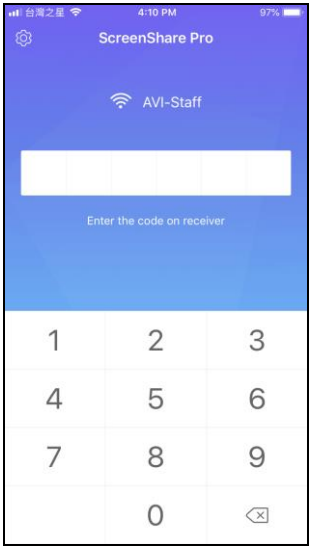
Sharing content from Apple product to the AVer CP2

Airplay is a proprietary protocol developed by Apple Inc. that allows wireless display on Airplay-enabled devices.

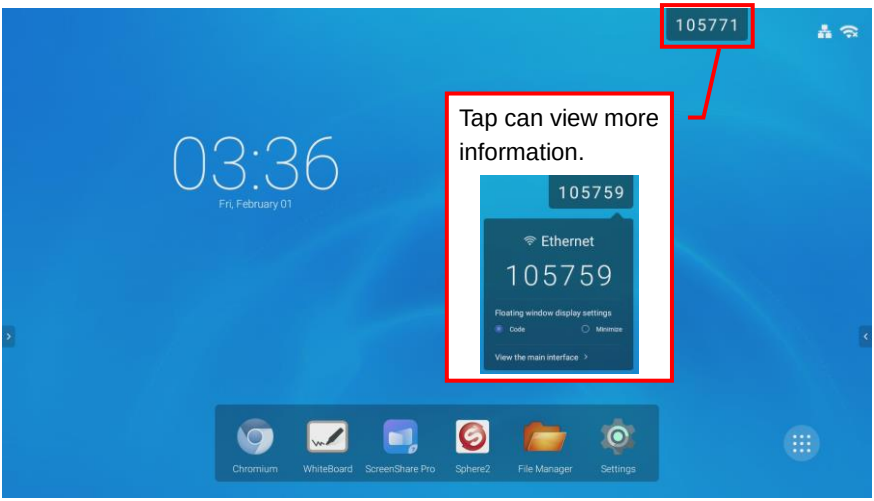
1. Enable WiFi connection on AVer CP2 and your device (ex: iPhone, iPad).

[Note] AVer CP2 and your device must at the same LAN network.

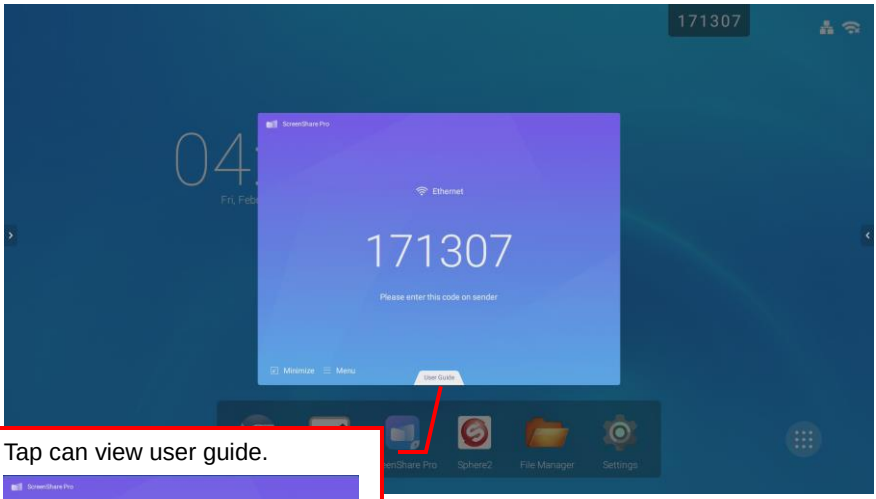
2. Download and install ScreenShare Pro on your device.
3. Run the ScreenShare Pro on your device.



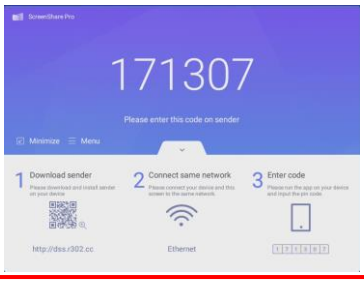
4. Enter the “Code” that is displayed on the screen of AVer CP2.



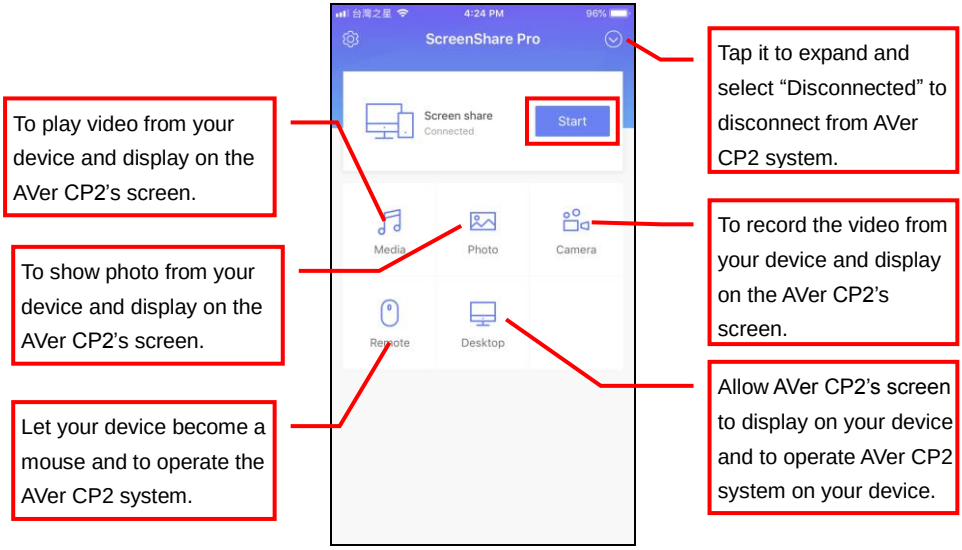
User also can tap to check the code. The code will change depends on the period time user has set.



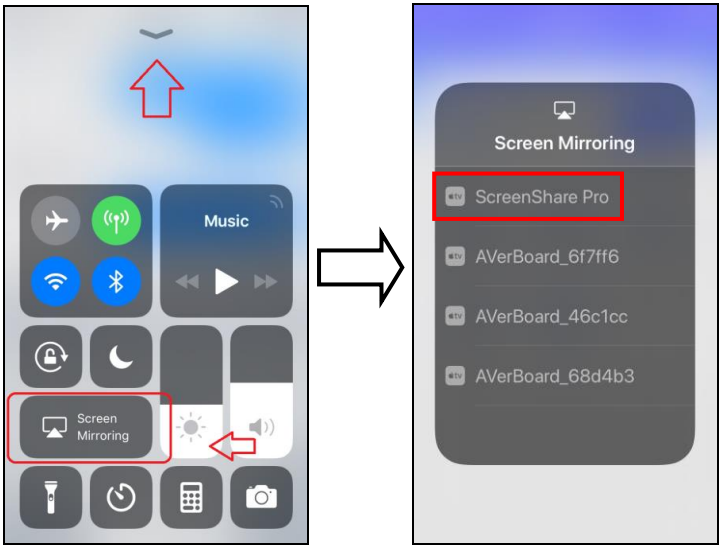
Tap can view user guide.



5. After entering the code, the main screen is displayed. Select “**Start**” can view how to mirror to the AVer CP2’s screen. While in mirroring status, the Media, Photo, Camera, Remote and Desktop functions are not able to use.



6. To mirroring, select “**Screen Mirroring**” and select “**ScreenShare Pro**” on your iPhone/iPad device.



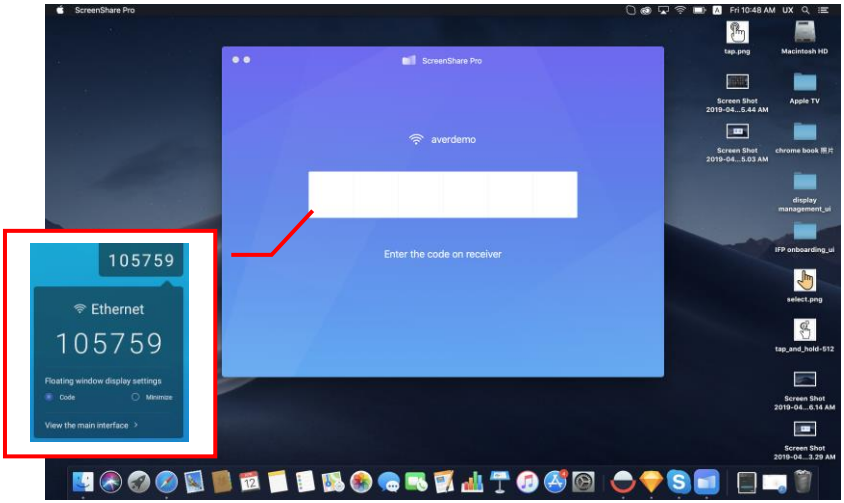
7. Then, your device screen will be displayed on AVer CP2’s screen.

To share your Mac computer's desktop to the AVer CP2

1. Enable WiFi connection on AVer CP2 and your Mac computer.

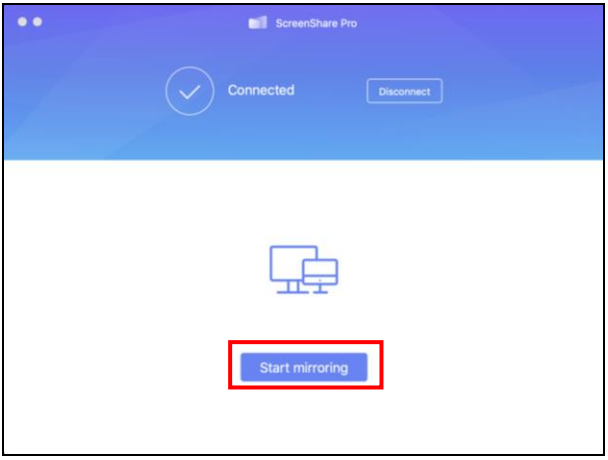
[Note] AVer CP2 and your Mac computer must at the same LAN network.

2. Run Safari and enter "**http://dds.r302.cc**" to download ScreenShare Pro. After downloading, install ScreenShare Pro.
3. Run the ScreenShare Pro on your Mac computer.
4. Enter the "Code" that is displayed on the screen of AVer CP2.

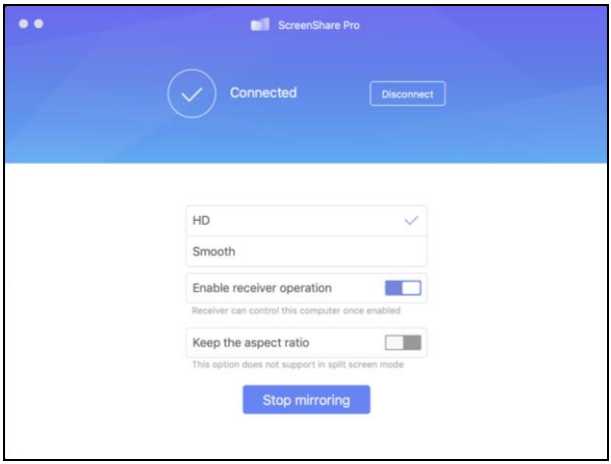


5. After entering the code, your Mac computer is connected with AVer CP2 system. Select "**Start Mirroring**", the Mac computer screen will display on AVer CP2's screen.

[Note] User can touch on CP2 to use your device.



6. To stop mirroring, select “Stop Mirroring”. To disconnect from AVer CP2 system, select “Disconnect”.



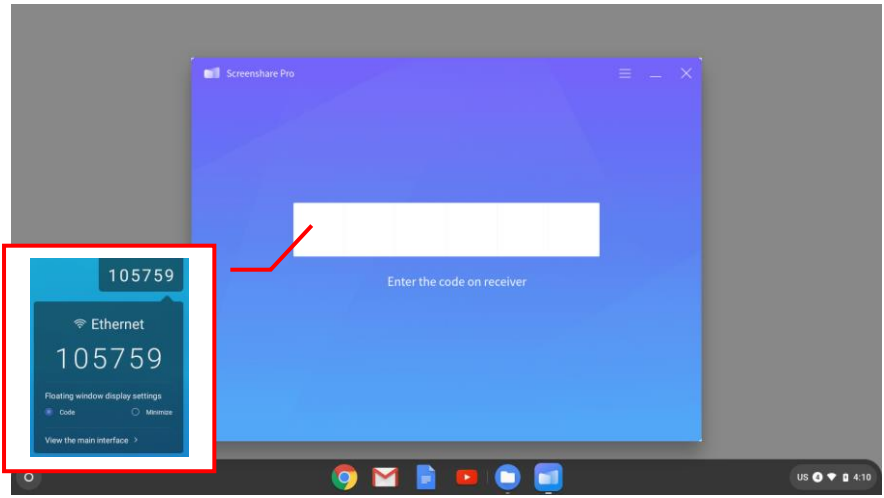
Sharing content from Chrome solution to the AVer CP2

Chromecast is Google cast, it is a proprietary protocol developed by Google that allows wireless display on Chromecast-enabled devices.

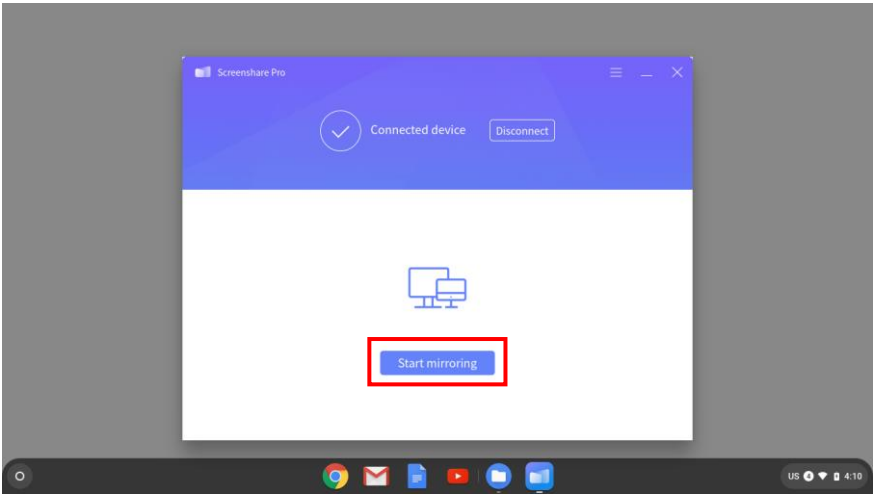
1. Enable WiFi connection on AVer CP2 and your Chromebook.

[Note] AVer CP2 and your Chromebook must at the same LAN network.

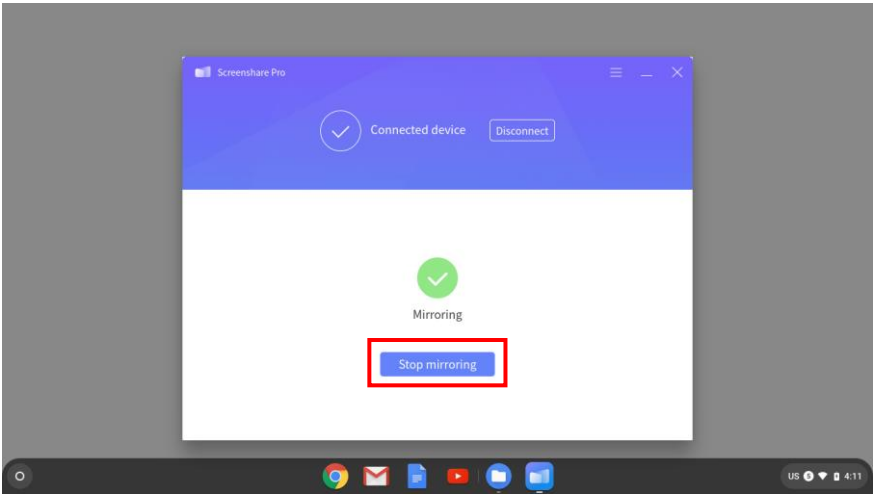
2. Open Chrome browser and go to Chrome Online App store (Enter key word “ScreenShare Pro”) to download and install ScreenShare Pro to your Chromebook.
3. Run the ScreenShare Pro on your Chromebook.
4. Enter the “Code” that is displayed on the screen of AVer CP2.



5. After entering the code, your Chromebook is connected with AVer CP2 system. Select “**Start Mirroring**”, the Chromebook screen will display on AVer CP2’s screen.



6. To stop mirroring, select “**Stop Mirroring**”. To disconnect from AVer CP2 system, select “**Disconnect**”.



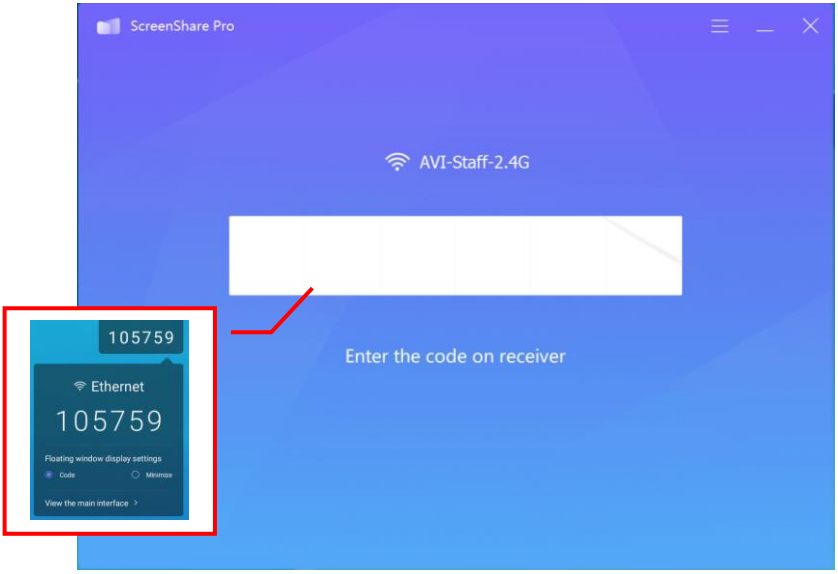
Sharing content from Windows computer to the AVer CP2

Miracast is a wireless display standard included in Windows 8.1 and windows 10 operating systems.

1. Enable WiFi connection on AVer CP2 and your computer.

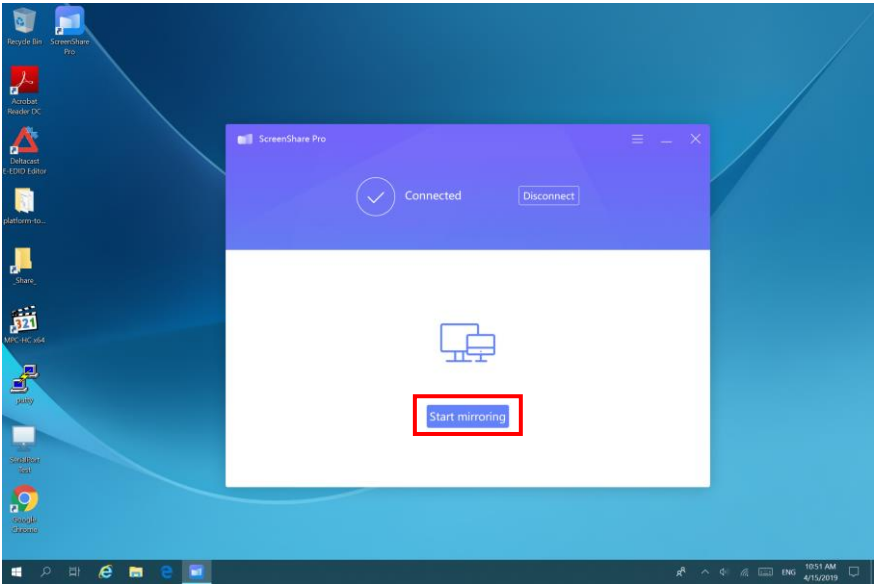
[Note] AVer CP2 and your computer must at the same LAN network.

2. Open browser and enter “**http://dss.r302.cc**” to download and install ScreenShare Pro to your computer.
3. Run the ScreenShare Pro on your computer.
4. Enter the “Code” that is displayed on the screen of AVer CP2.

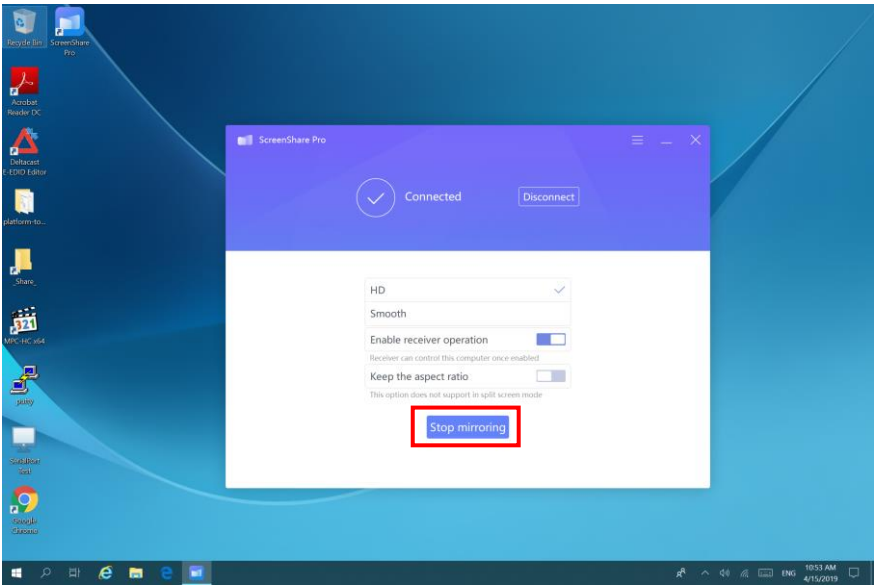


5. After entering the code, your computer is connected with AVer CP2 system. Select "**Start Mirroring**", the computer screen will display on AVer CP2's screen.

[Note] User can touch on CP2 to use your device.



6. To stop mirroring, select "**Stop Mirroring**". To disconnect from AVer CP2 system, select "**Disconnect**".



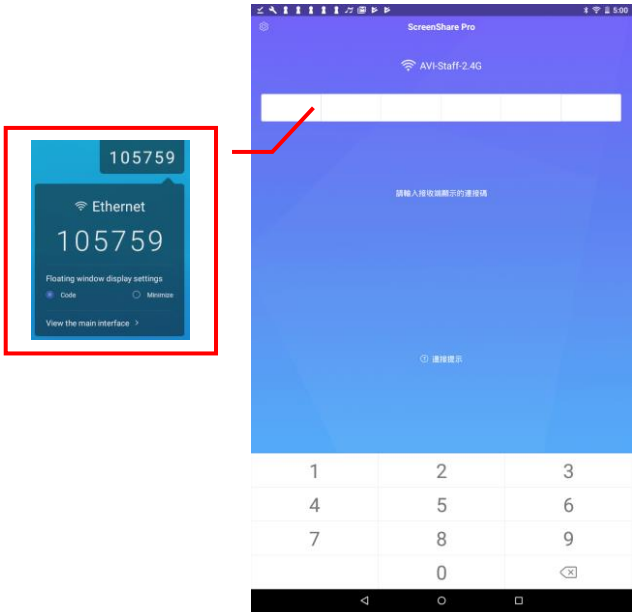
Sharing content from Android device to the AVer CP2

Miracast is a wireless display standard included in Android 4.2 and newer versions perating systems. It is the Wi-Fi Direct standard, which allows for point-to-point connection between devices without the use of router.

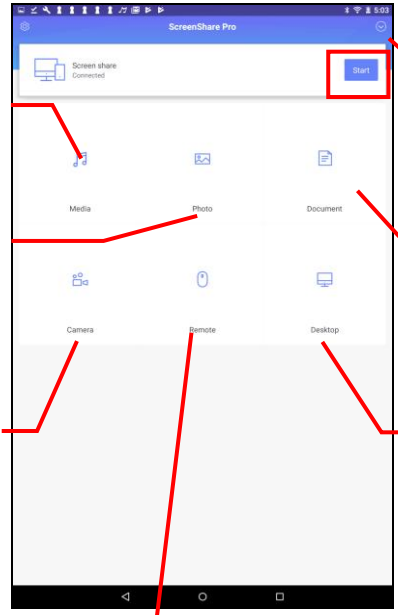
1. Enable WiFi connection on AVer CP2 and your Chromebook.

[Note] AVer CP2 and your Chromebook must at the same LAN network.

2. Open browser and go to "**http://dss.r302.cc**" to download and install ScreenShare Pro to your device.
3. Run the ScreenShare Pro on your device.
4. Enter the "Code" that is displayed on the screen of AVer CP2.



5. After entering the code, your device is connected with AVer CP2 system. Select “**Start Mirroring**”, the device screen will display on AVer CP2’s screen. While in mirroring status, the Media, Photo, Document, Camera, Remote and Desktop functions are not able to use.



To play video from your device and display on the AVer CP2’s screen.

To show photo from your device and display on the AVer CP2’s screen.

To record the video from your device and display on the AVer CP2’s screen.

Let your device become a mouse and to operate the AVer CP2 system.

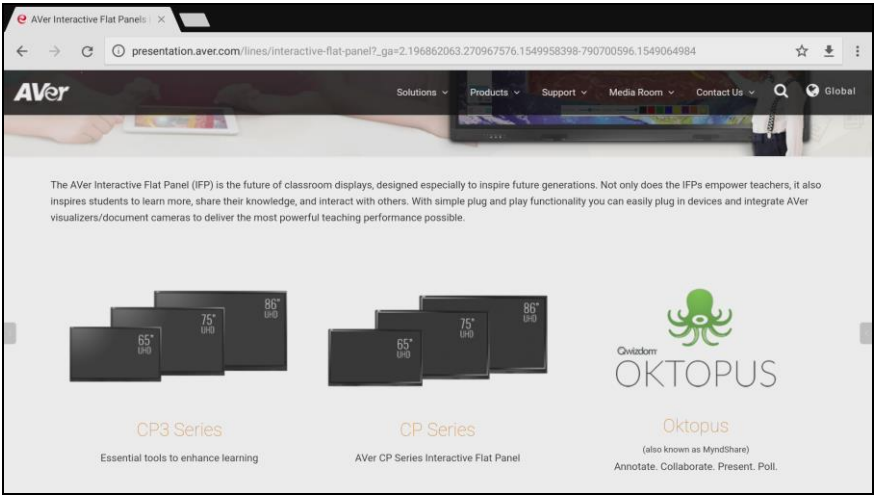
Tap it to expand and select “Disconnected” to disconnect from CP2 system.

Share the documents from your device and display on AVer CP2’ screen.

Allow AVer CP2’s screen to display on your device and to operate AVer CP2 system on your device.

Using Browser

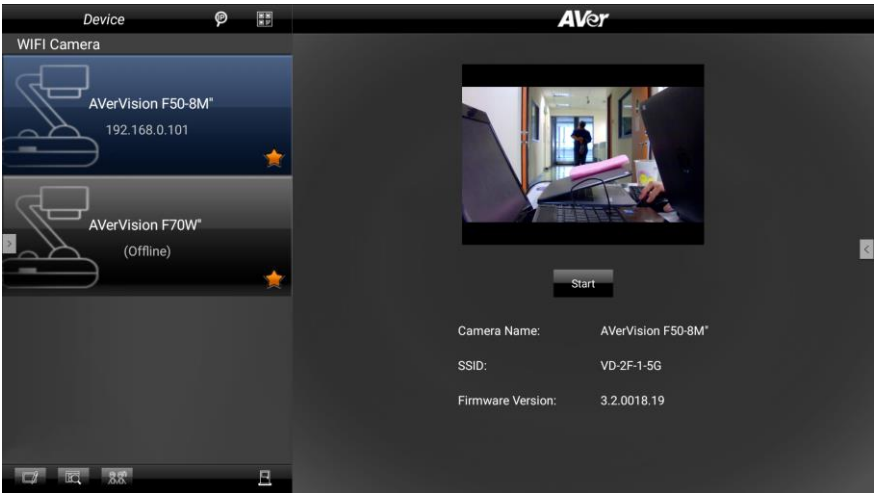
User can operate the browser same as on PC, beside use the finger instead of the mouse. Select the “**Chromium**” to launch the browser app.



Connect to DocCam

The AVer CP2 system can connect to DocCam device through the Sphere2 to use the class interactive function in Sphere2.

1. Select **Sphere2** from app list at main screen.
2. Please make sure the DocCam and the AVer CP2 system are at same local network. The Sphere2 will auto search the available DocCam on your local network and list on screen.
3. Select the DocCam device that wants to connect.
4. Enter the "**Password**" of DocCam and select **OK** to confirm.
5. And, select "**Start**" to connect.

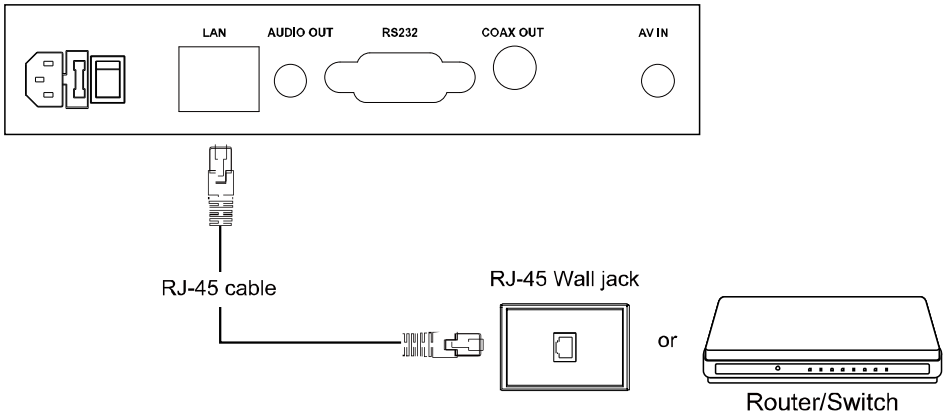


Internet Connection

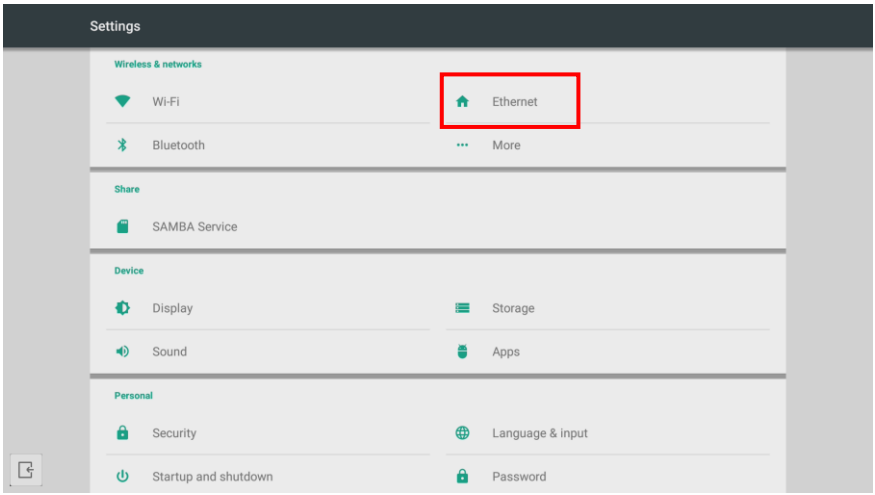
There are two ways to access the internet – Ethernet and WiFi connection.

Ethernet connection

Using ethernet cable connects IFP to your local network.
[Note] Turn off the WiFi function if WiFi connection has connected.



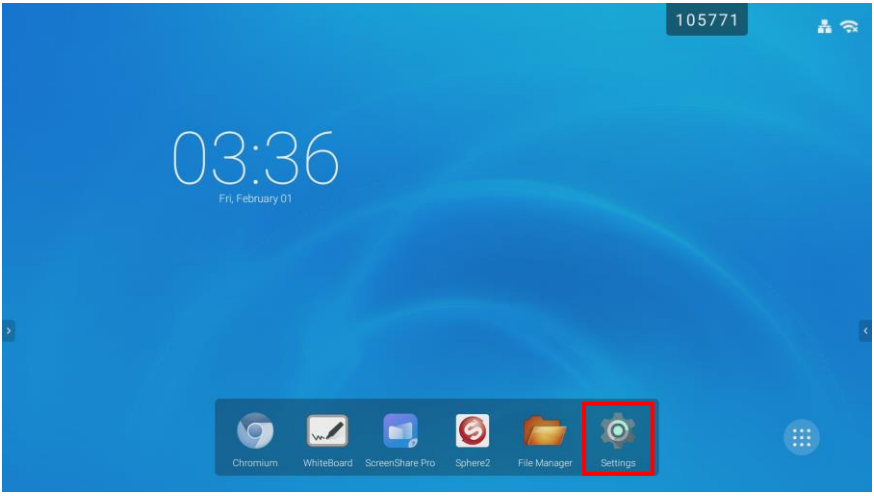
Tap **Settings** > **Ethernet**. The user can check IP address of AVer CP2.



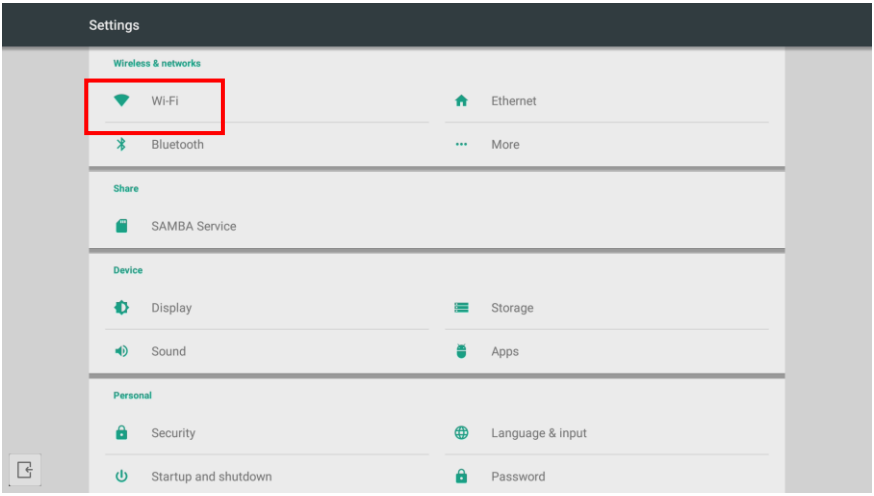
Wi-Fi Connection

Connect AVer CP2 to internet through the Wi-Fi AP.

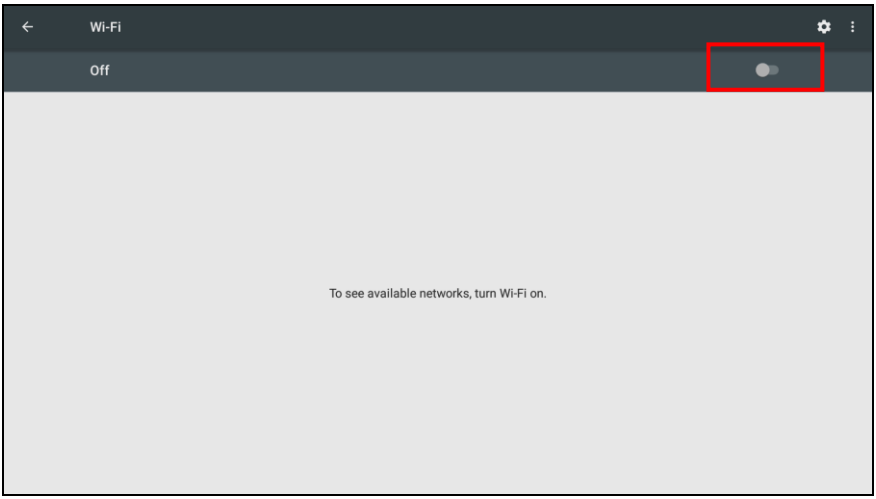
1. Tab the “**Settings**” icon to bring out the Settings page.



2. In Settings page, tap “**Wi-Fi**”.



3. Set Wi-Fi to “**On**”.



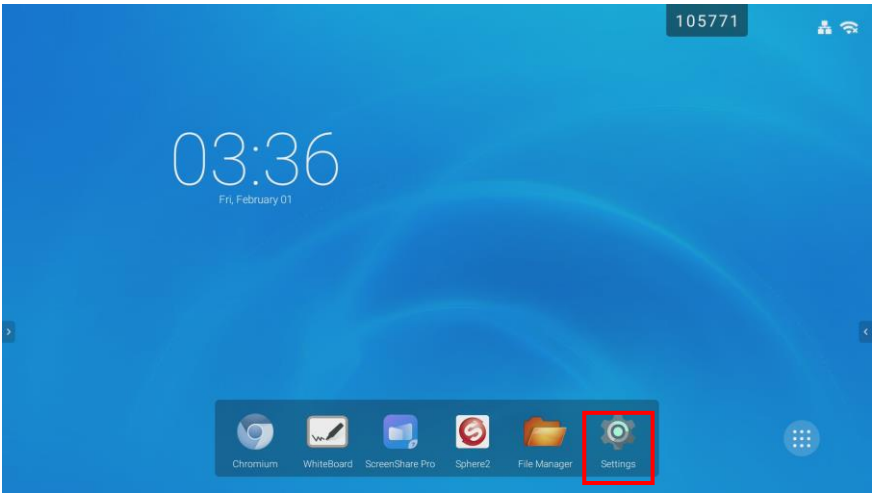
4. Select available Wi-Fi networks to connect to it.

5. Tap “ ” can view IP information.

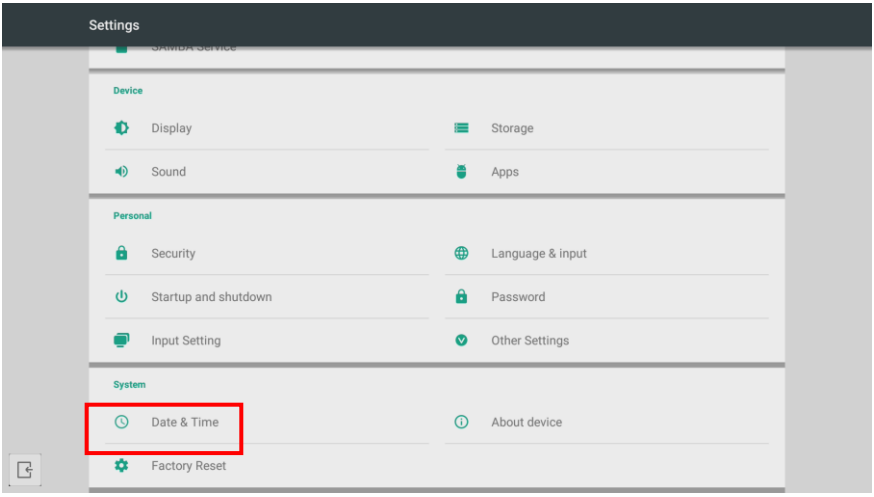
Adjust Date and Time

1. Select the “**Settings**” icon to bring out the Settings page.

[Note] The internet connection is required for auto date and time adjustment.



2. In Settings page, tab “**Date & Time**”.



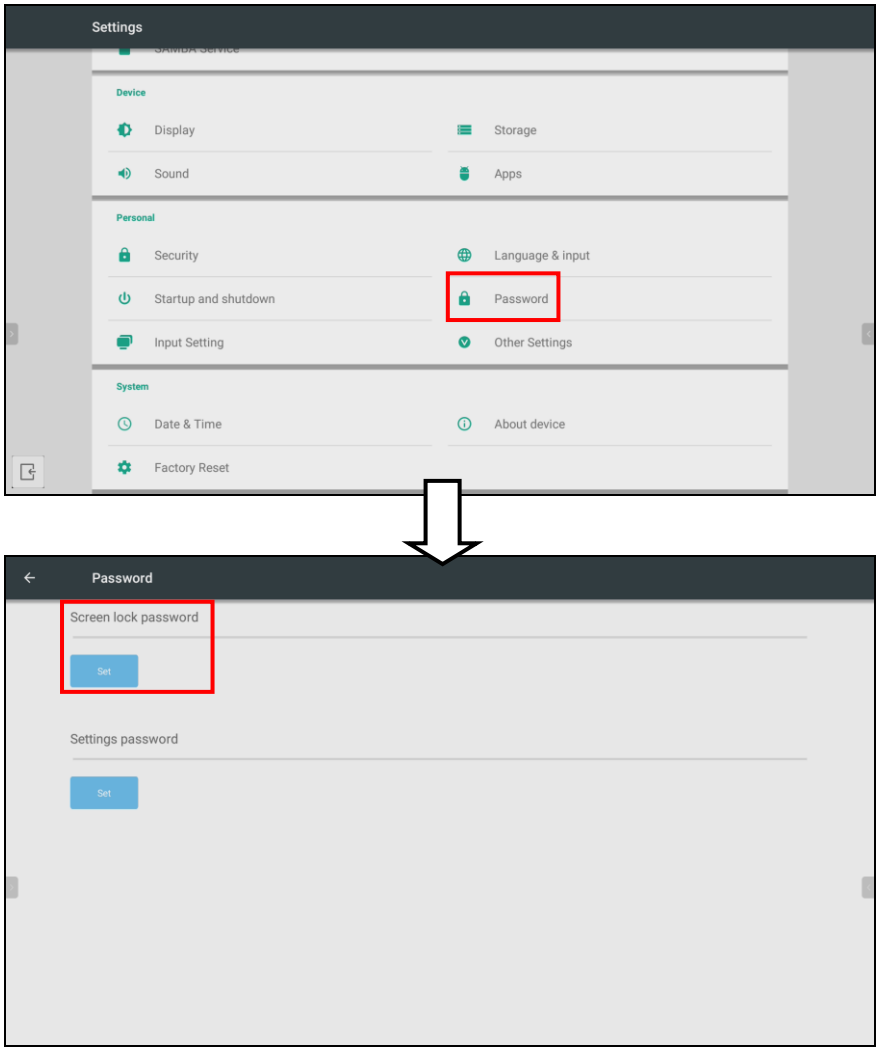
3. You can select “**Set date**”, “**Set time**”, “**Select time zone**” and “**Choose time format”** to setup.

4. Also, you can select “**Automatic date & time**” for adjust date and time through the network time server.

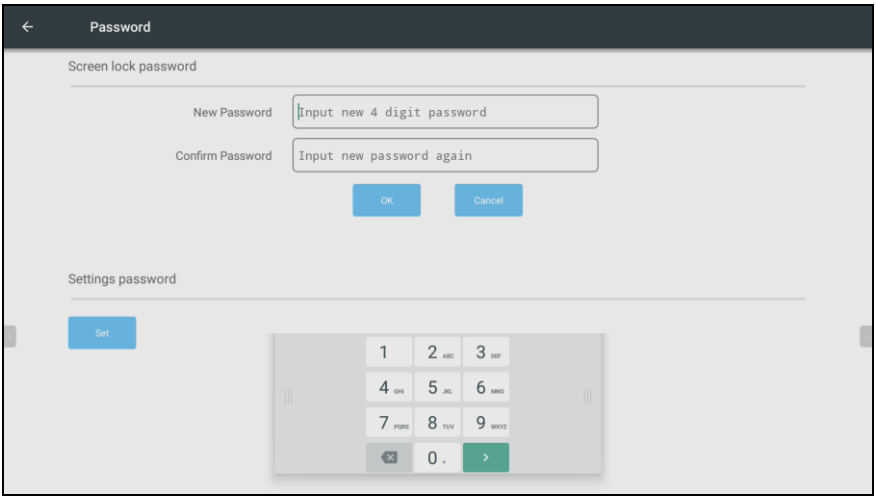
Screen Lock

Protect screen by password.

1. Tap **Settings** > **Password** > **Screen lock password** > **Set**.



2. Enter the 4 digital numbers for password. Then, re-enter the password again to confirm.



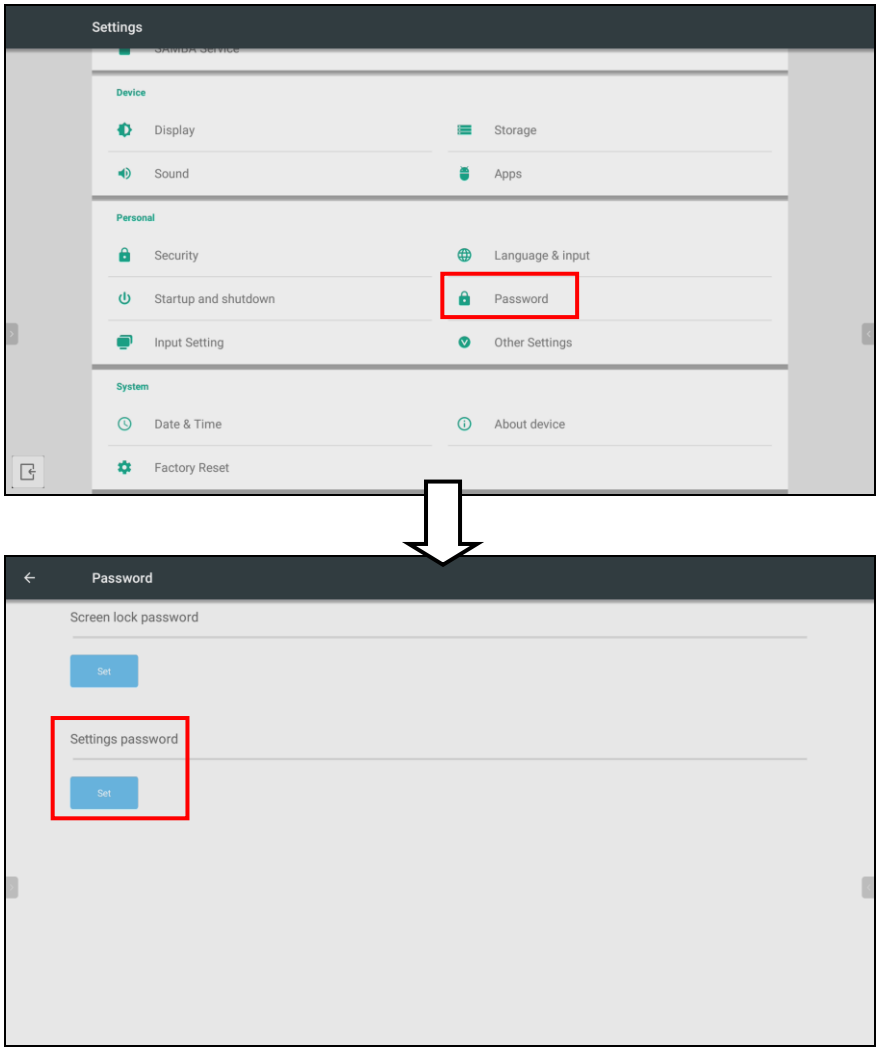
3. To lock screen by press power button of AVer CP2 unit. Or tap from toolbar.
4. Press power button again and enter the password to un-lock the screen. Or touch the panel screen and enter the password to un-lock the screen.

5. To disable screen lock, tap **Settings** > **Password** > **Screen lock password > Clear** and enter the password user has set. Then, select “**Clear**” to disable the screen lock.

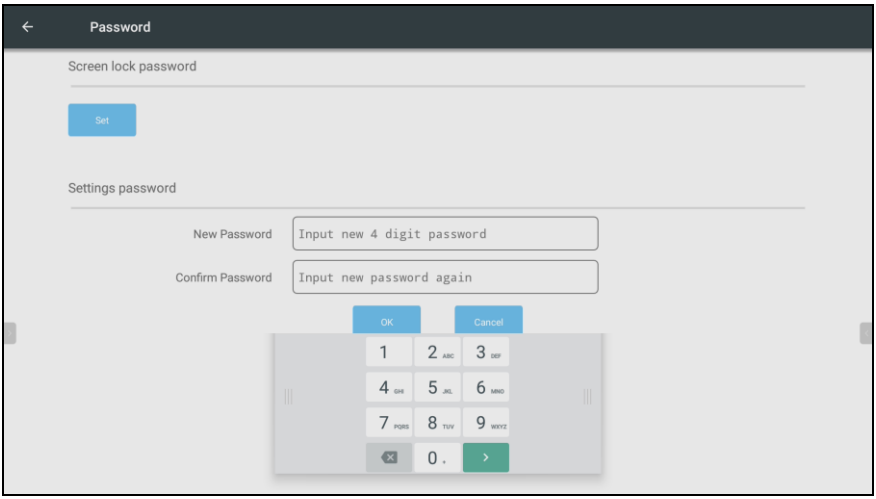
Settings Password

Protect the settings function with password.

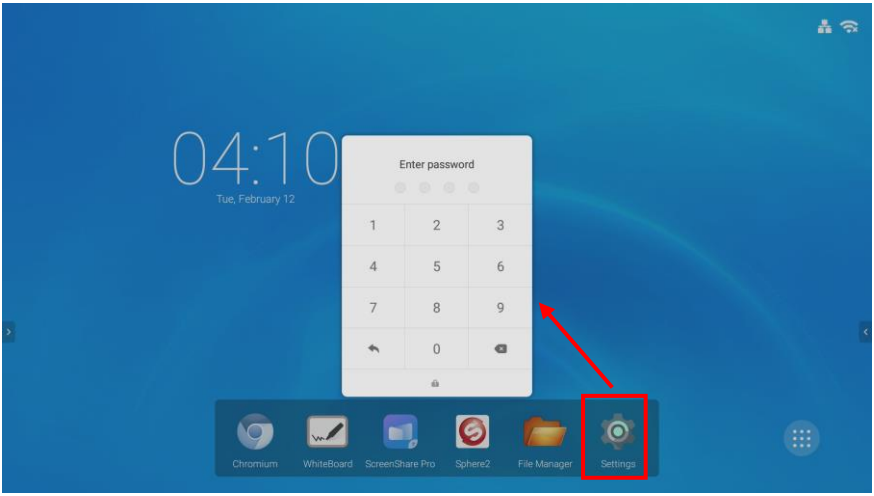
1. Tap **Settings** > **Password** > **Settings password** > **Set.**



2. Enter the 4 digital numbers for password. Then, re-enter the password again to confirm.



3. When user tap “**Settings**”, the password entering is required.

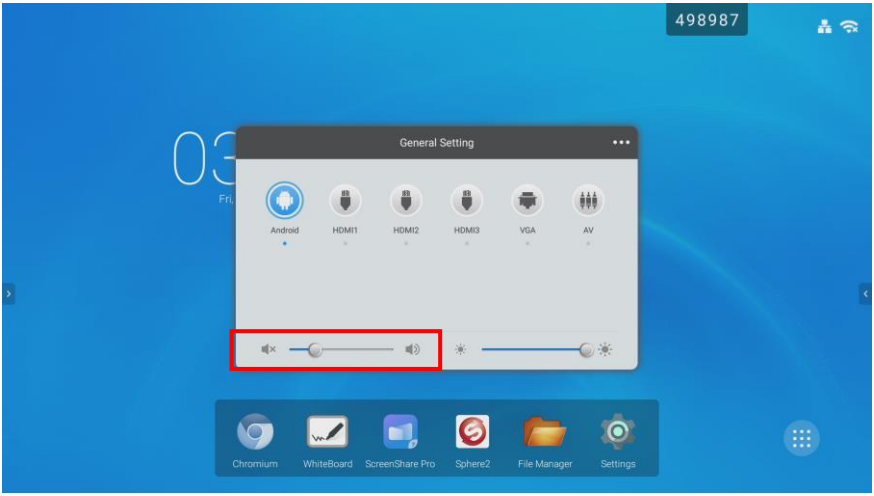


4. To disable Settings password, tap **Settings** > enter the password user has set > **Password** > **Setting password > Clear** and enter the password user has set. Then, select “**Clear**” to disable the Settings password.

Volume Adjustment

Swipe from bottom to top to call out on-screen menu. Or tap from toolbar.

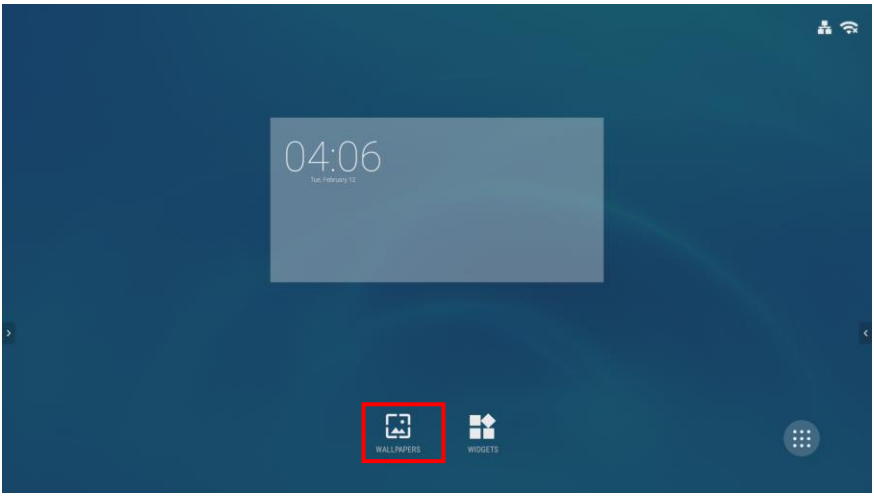
Move the bar to adjust the volume.



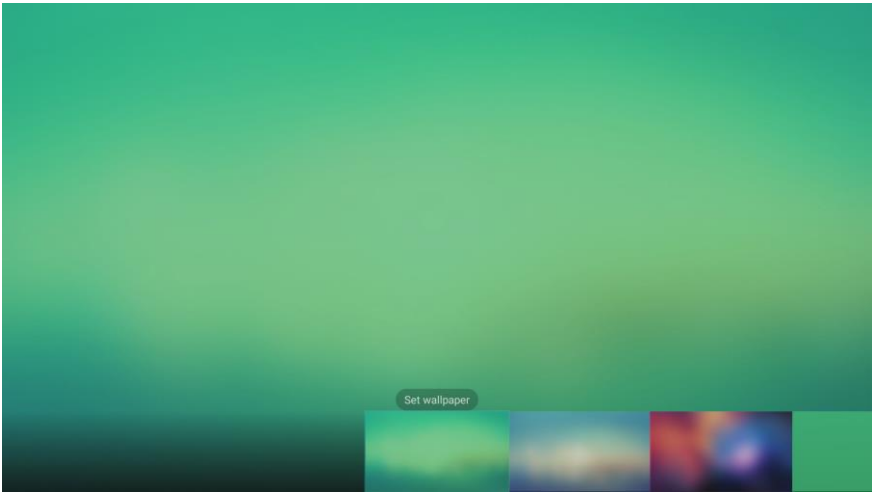
Wallpaper

Change the wallpaper.

1. Tap and hold on the screen until the “**Wallpaper**” option is shown.



2. Select the “**Wallpaper**” and tap “**Set wallpaper**” to change the wallpaper.



System Update

Tap **Settings** > **About device** > **System updates** and system update will start.
The system update takes time; we recommend doing the system update when the panel is not in use.
If there is no update, select “**Close**” to finish.

Display Management

To manage the IFP devices on your LAN – manual power on/off/reboot IFP and scheduling IFP for power on/off/reboot.

[Note] An Ethernet cable connection is required for IFP devices.

Please download the Display Management application from

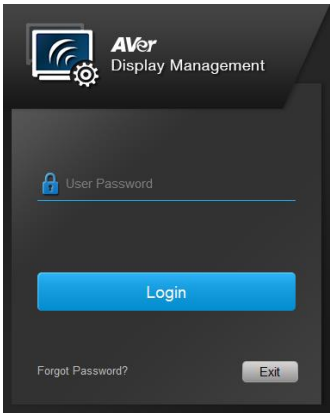
http://www.aver.com/download-center

Minimum Server System Requirements

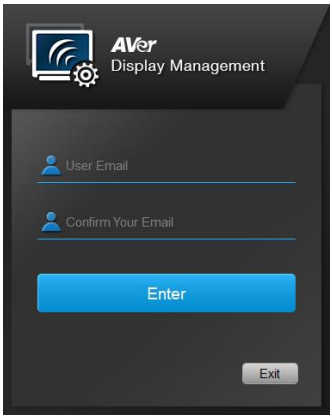
- **Operating System** : Win 7 / Win8 / Win10
- **CPU** : Intel Core 2 Duo 2.00GHz or later
- **RAM** : 1 GB of RAM (2 GB recommended)
- **Resolution** : 1024 x 768 or higher resolution display
- **Graphic card** : DirectX 9.0c compatible video card
- **Hard Disk** : 500 MB free hard disk space for basic installation

Login

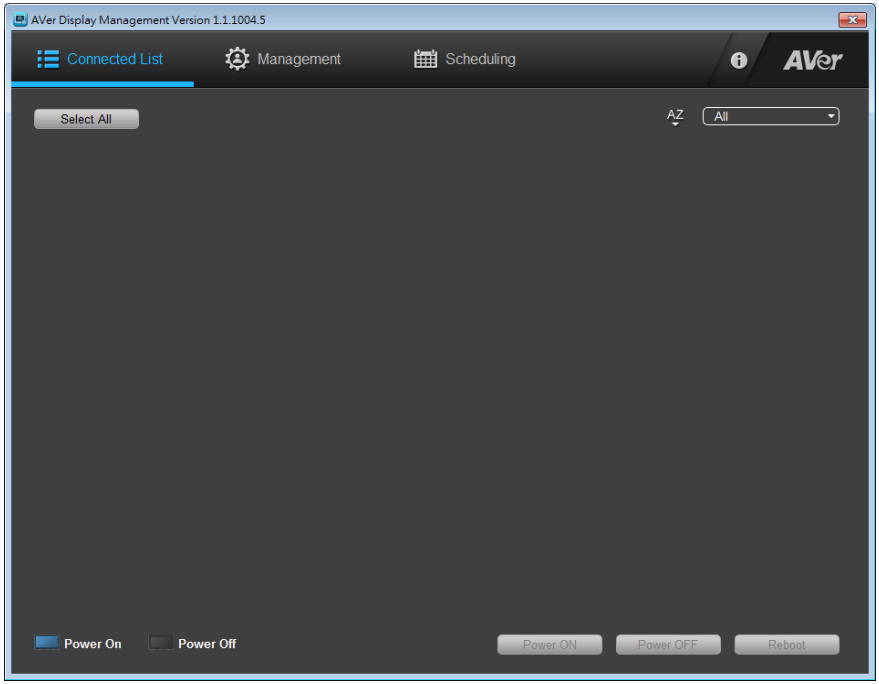
1. Run the AVer Display Management application.
2. The login dialog is displayed. Enter the password; for the first time login, the default password is “**admin**”.



3. After entering the password, select “**Login**” to go next step.
4. Enter the email for sending password if forgot the password in future. Select “**Enter**” to login.

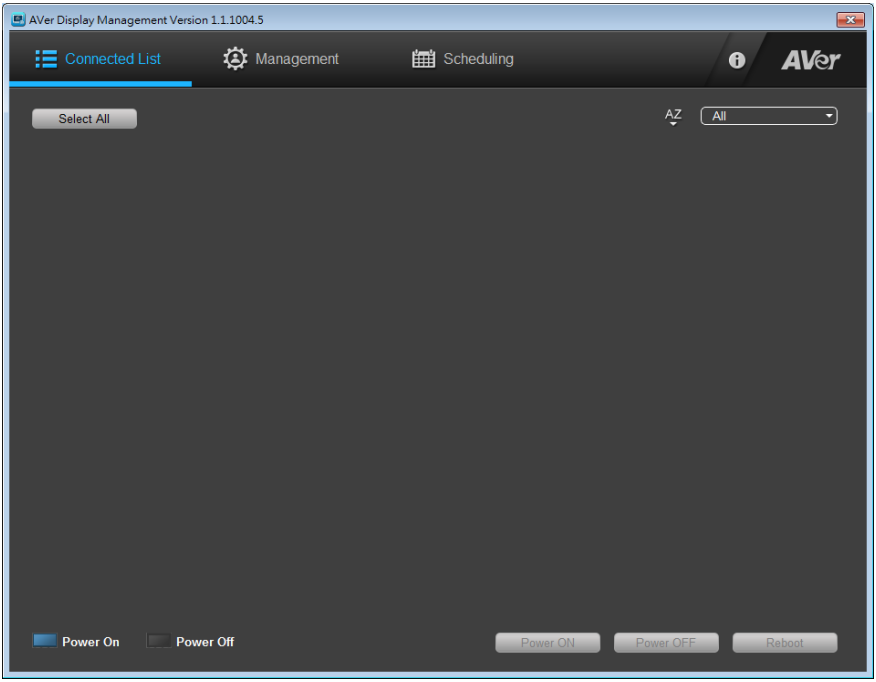


5. After login, the Display Management UI is displayed.

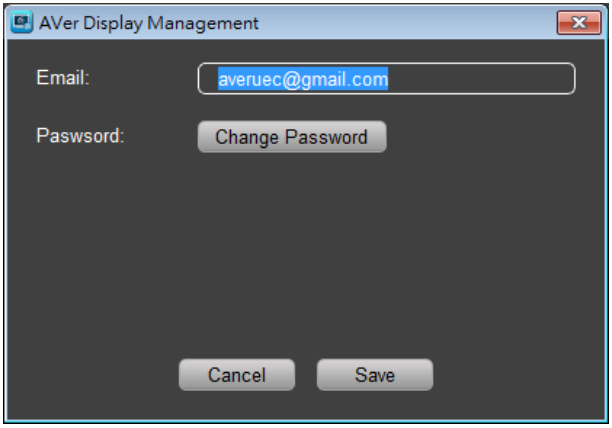


Change Password

1. Select “ ” icon.

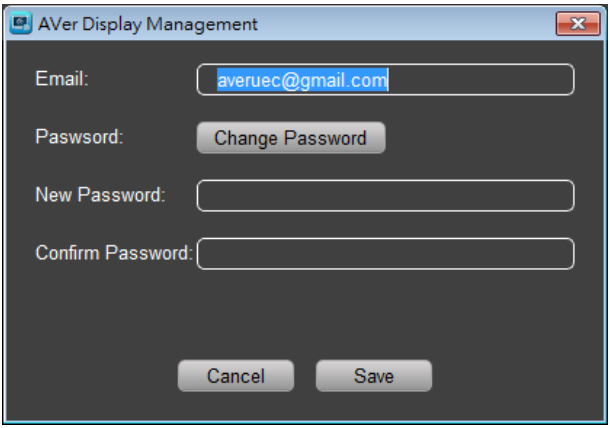


2. The email and password dialog will show up.



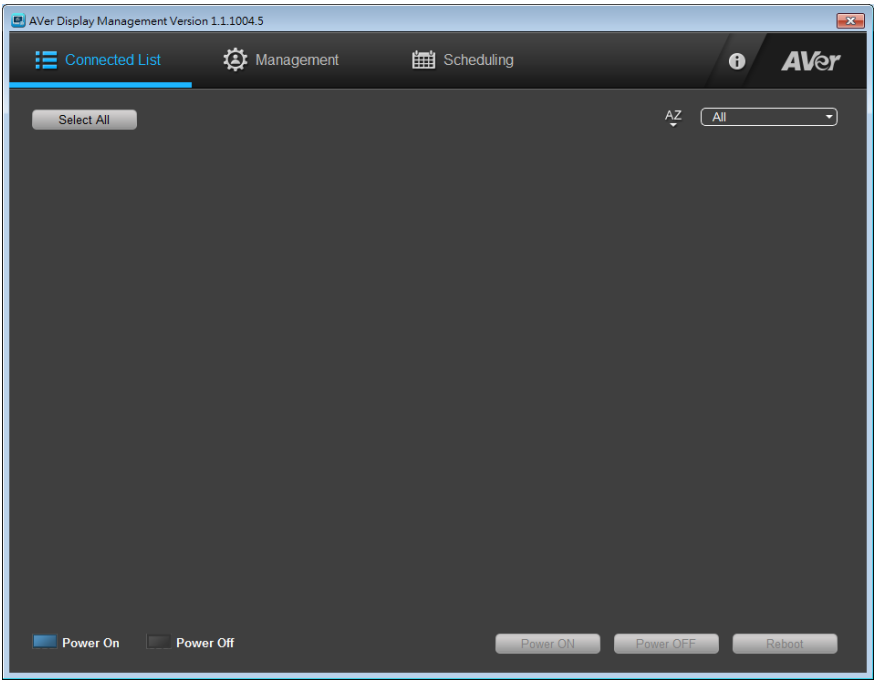
3. Select “**Change Password**”. Then, enter the new password and re-enter the new password to confirm.

4. Select “**Save**” to save the changes.

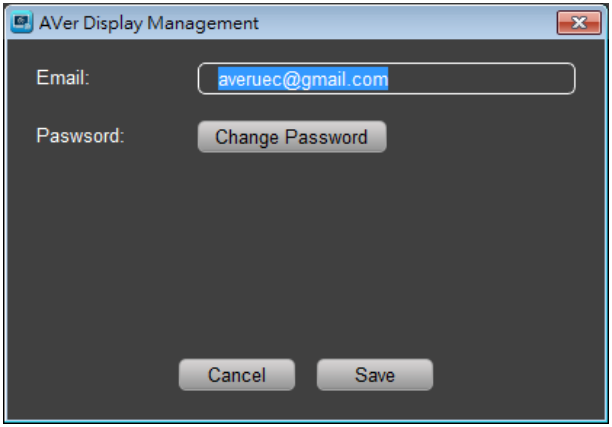


Change Email

1. Select “ ” icon.

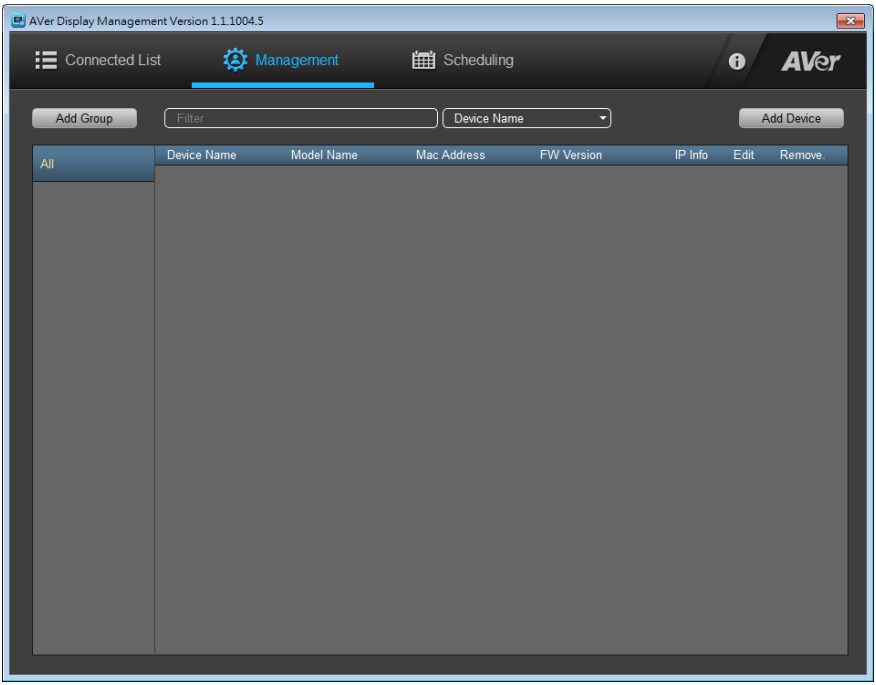


2. The email and password dialog will show up.
3. Enter the new Email address. Then, select “**Save**” to save the changes.



Add IFP Device

1. Select “**Management**”.

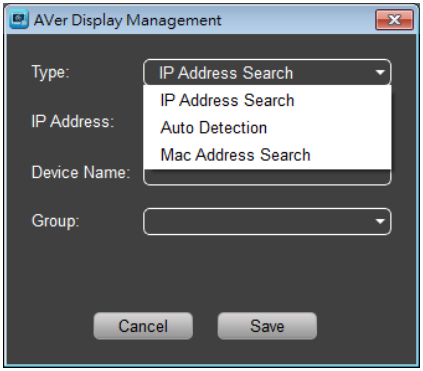


2. Click “**Add Device**”.
3. In Add Device dialog, you can choose “**IP Address Search**”, “**Auto Detection**”, or “**Mac Address Search”** to find the IFP device on your LAN network.

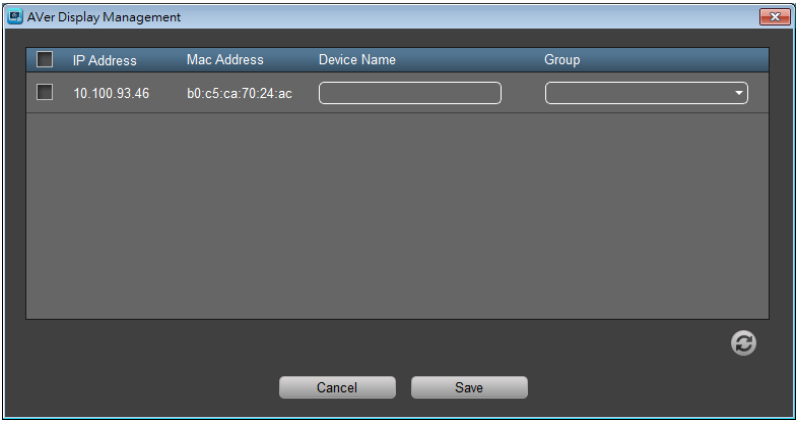
[Note]

a. An Ethernet cable connection is required for IFP devices.

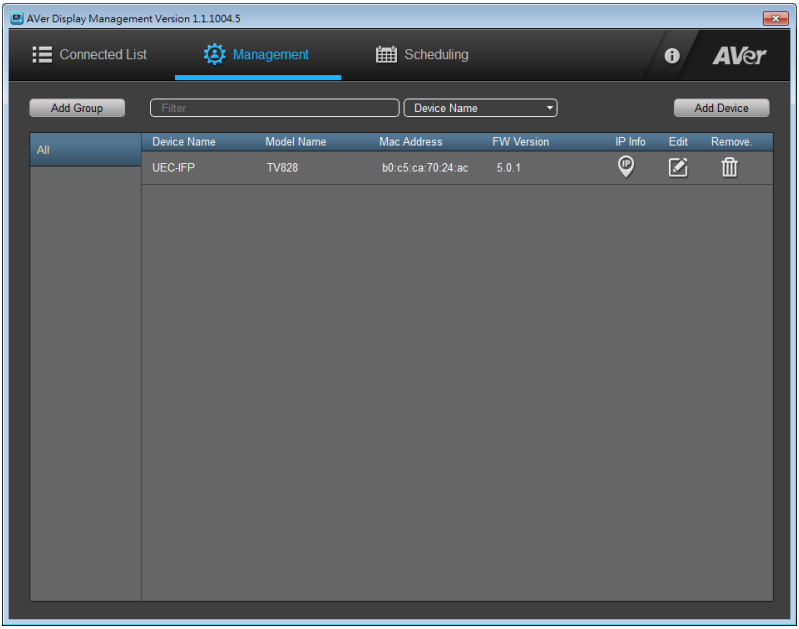
b. The IFP devices and Display Management must be in the same network.



4. The search result will be listed. Select the IFP device and enter “**Device Name**” and select the “**Group**” if there are groups for selecting.
5. Select “**Save**” to add IFP device.



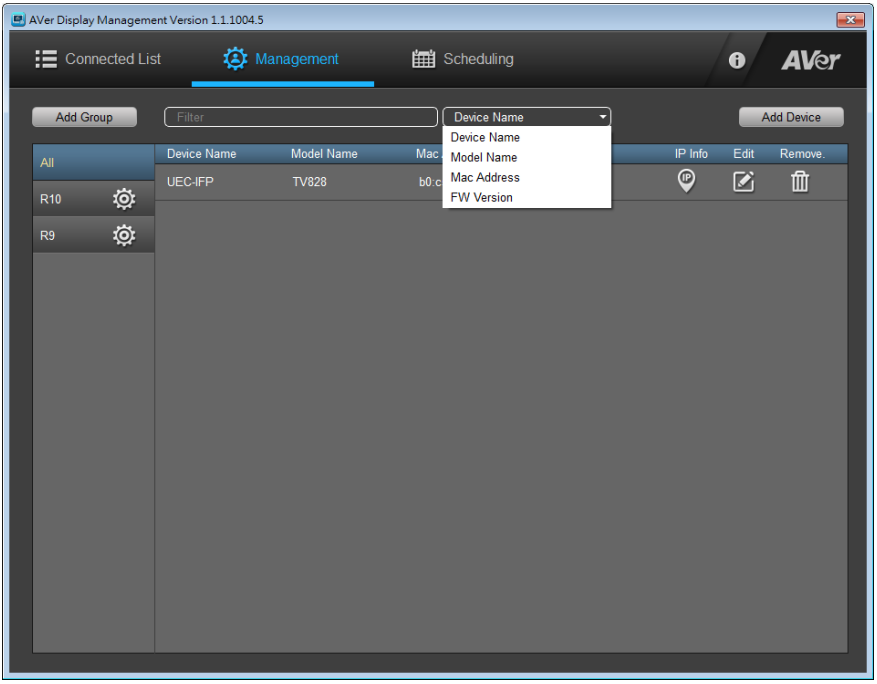
6. The added IFP device will be listed in management list.
   - ✓ : View IFP device’s IP, mask, and gateway information.
   - ✓ : Edit IFP’s device name.
   - ✓ : Delete IFP device from management list.



Filtering IFP Device

To find IFP devices from management list by searching of “Device Name”, “Model Name”, “Mac Address”, or “FW Version”.

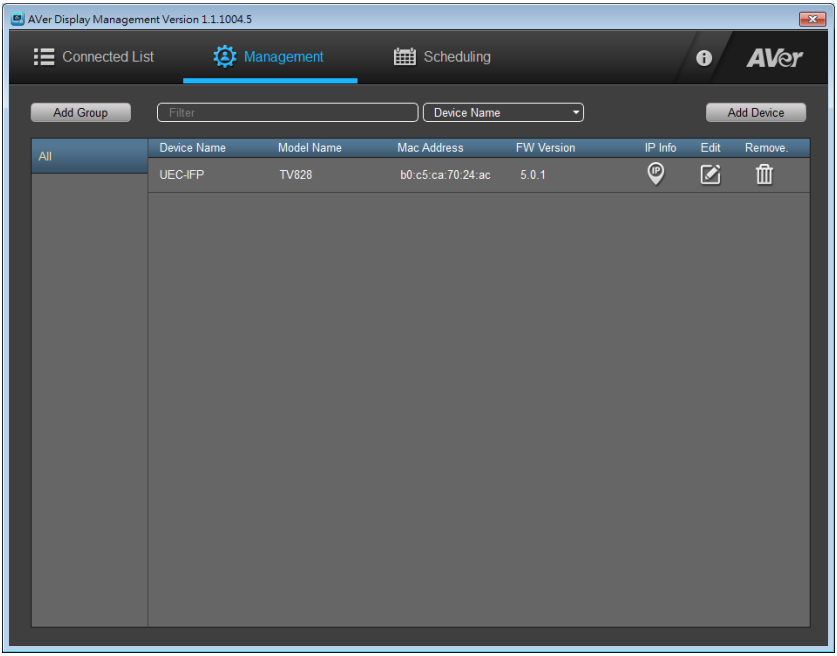
Select the filter condition – Device Name, Model Name, Mac Address or FW Version or enter the specific words to filter. Then, the filter result will display.



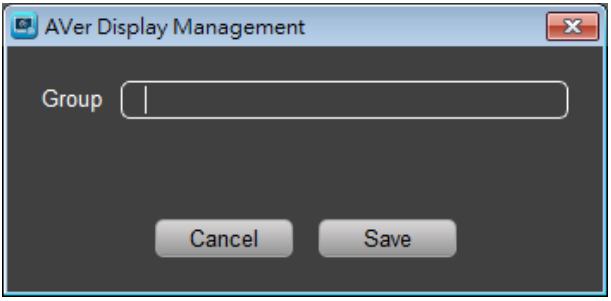
Add Group

Create the group and assign IFP devices to specific group for managing.

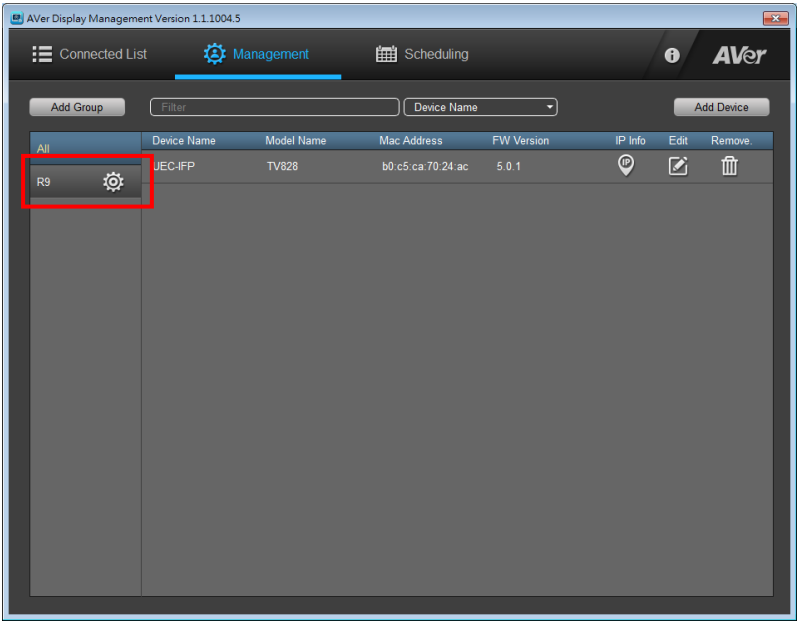
1. Select “**Add Group**” in Management screen.



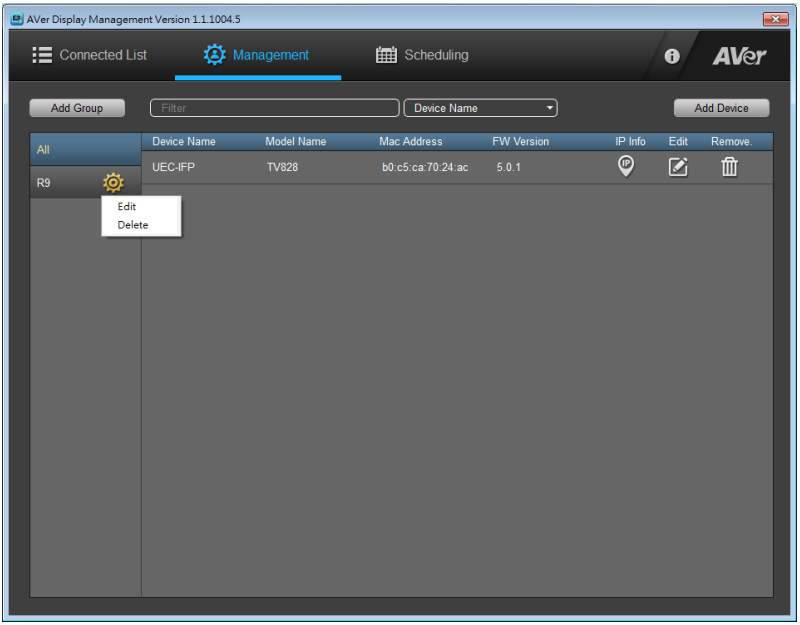
2. Enter the group name in Group dialog and select “**Save**”.



3. The created group will list at left side of Management screen. Select the group to view the IFP devices in the group. When add IFP device, you can assign IFP device to the group.



4. Select “ ” can edit and delete group. Edit can change the group name.


AVer Display Management Version 1.1.1004.5
Connected List
Management
Scheduling
AVer
Add Group
Filter
Device Name
Add Device
All
R9
Edit
Delete
Device Name
Model Name
Mac Address
FW Version
IP Info
Edit
Remove.
UEC-IFP
TV828
b0:c5:ca:70:24:ac
5.0.1

Power On, OFF, and Reboot IFP Device

In Connected List screen, display the IFP devices that have added into Display management app. You can manual power on, power off, and reboot the IFP devices that list in Connected List screen.

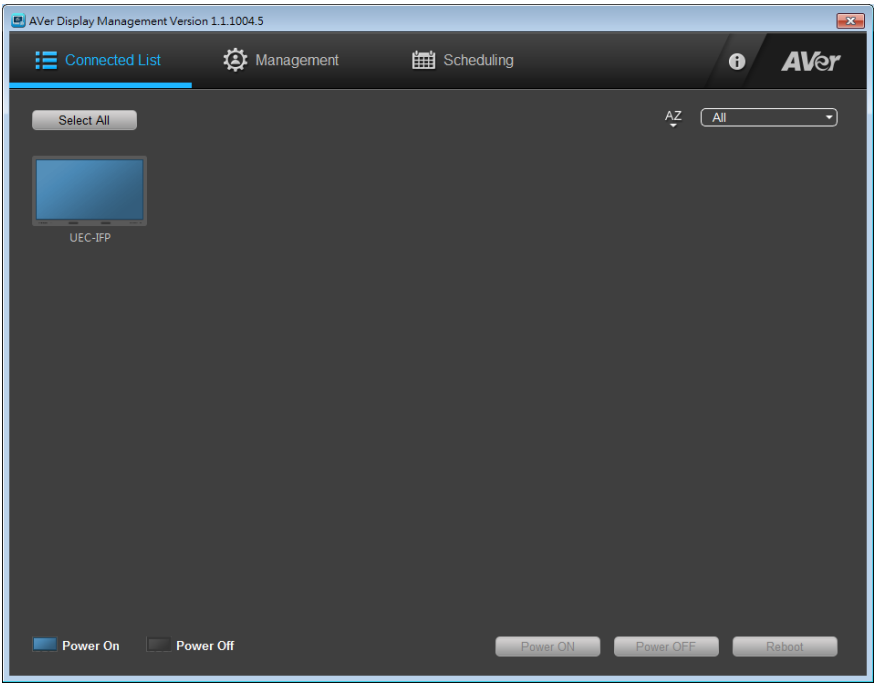
[Note]

a. An Ethernet cable connection is required for IFP devices.

b. The IFP devices and Display Management must be in the same network.

c. The Display Management app must be running in order to control the IFP devices on/off/reboot.

d. UDP port 9 of Wake On LAN cannot be blocked.

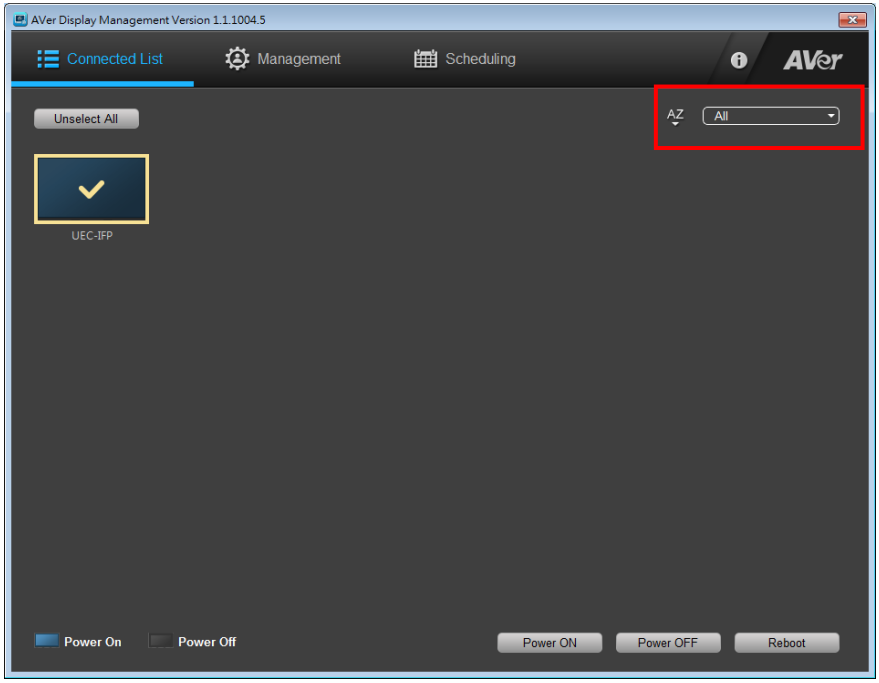


1. Select “**Connected List**”.
2. Select the IFP devices from screen list or select “**Select All**”. The selected IFP device will be marked. Then, select “**Power on**”, “**Power Off**”, or “**Reboot**” button to execute.

[Note]

a. After selecting IFP device, the power on, power off and reboot button will be enabled.

b. The IFP devices display order can be change by select A-Z order or group (drop-down list).



Scheduling

Set the specific day and time to power on, power off, and reboot the selected IFP devices. The schedule will execute until you disable the schedule.

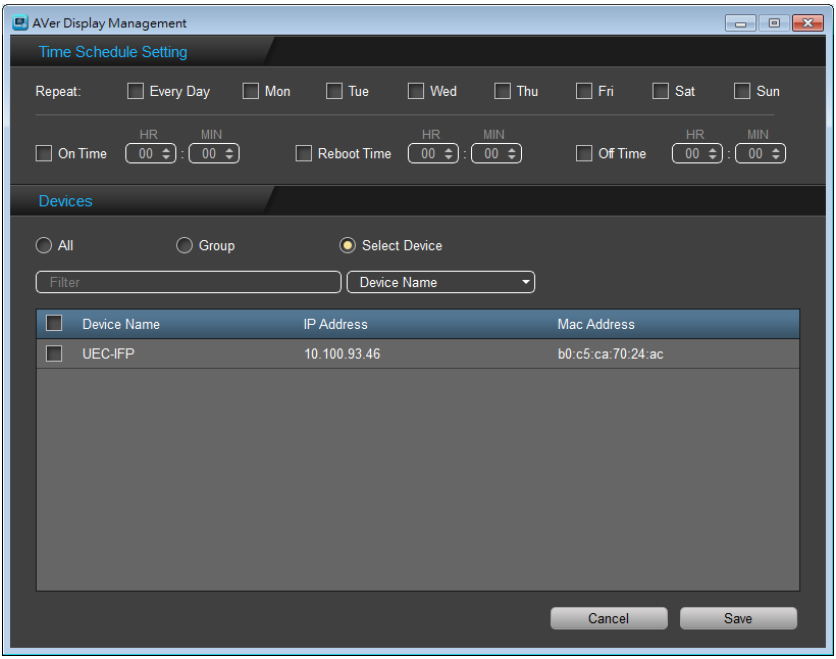
[Note]

a. An Ethernet cable connection is required for IFP devices.

b. The IFP devices and Display Management must be in the same network.

c. The Display Management app must be running in order to control the IFP devices on/off/reboot.

1. Select “**Scheduling**”.
2. Select “**Add Schedule**”. The Time Schedule Setting dialog is displayed.



3. **Select the Day:** Every Day, Mon, Tue, Wed, Thu, Fir, Sat, or Sun.

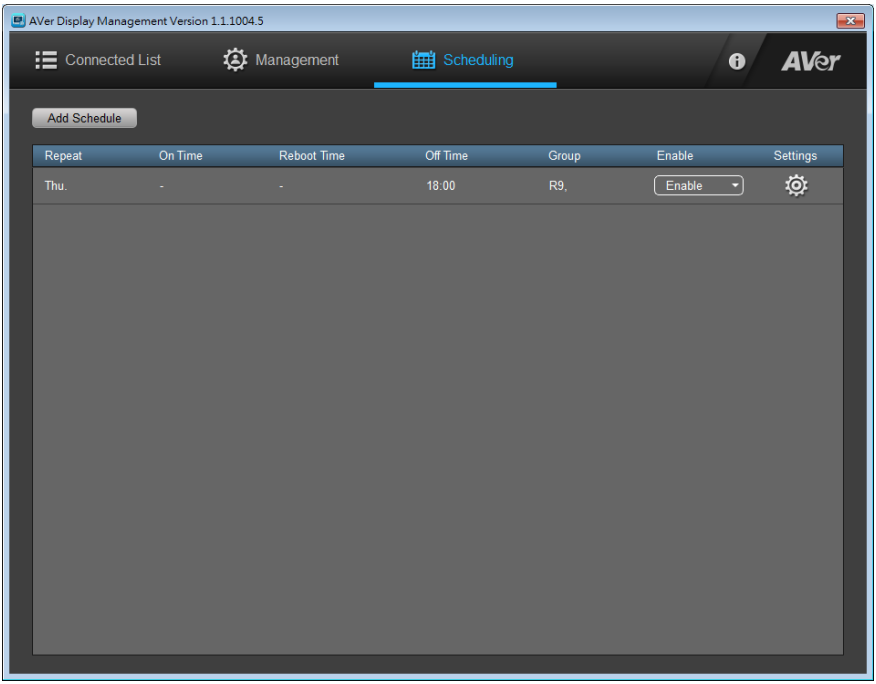
[Note] When select ‘Every Day” schedule, Mon to Sun will be all marked. If un-select one of day, then, the “Every Day” schedule is invalid.

4. **Select the action:** Power on, Reboot, or Power off. Then, set the time (HR:MIN) for action.
5. **Select Device:**
   - ✓ **All :** Select all IFP devices.

- ✓ **Group:** Select IFP devices by group.
- ✓ **Select Device**: Select IFP device one by one from IFP device list.

[Note] Using filter function to find the IFP device if you know IFP device's name or group.

6. Select "**Save**" to save the schedule.



7. From Enable drop-down list, select "**Disable**" can stop schedule to run.
8. Select " " can modify schedule's setting.

Specification

Spec.	Description
Model	CP2-65
Panel Level	A grade(details refer to panel manufacturer IIS standard)
LCD Size	65 inch Cell LGD LGM351E-G
Active Display Area	1428.48 (H)*803.52(V)mm
Light Source	Direct LED (DLED)
Resolution	3840(H)*2160(V), 4K resolution
Aspect Ratio	16:9
Brightness (typ.)/(min.)	350 cd/m^2 (typ.) / 300 cd/m^2(min.)
Contrast Ratio (typ.)/(min.)	1200:1
Response Time (ms)	6ms (Typ)
Frame Rate	60Hz
Viewing Angle	178º (H) / 178º (V)
Pixel Pitch	0.372mm x 0.372mm
Panel Surface	Anti-Glare
Panel Bit (8 or 10)	10 bit (8bit+FRC), 1073.7M
Usage time (hrs/days)	18 hrs/day
Light Life Time	30000 Hours
HDMI 2.0 Input	3
USB-B Touch	2
VGA in	1
AUDIO in	1
AUDIO out	1
COAXIAL OUT	1
USB2.0	4 (Including 2 USB ports in front)
USB3.0	2
RS232 in Serial	1
RJ45	1
HDMI 1.4 Output	1
Wifi Slot	One slot
PC Module Slot	One slot
Sensing Type	Infrared recognition
System	Windows10/Windows8/Windows7/Windows XP/Vista/Linux/Mac/Android
Touch point	10 points writing and 20 points touch
Minimum object size	2mm
Touch Tool	Finger, Finger cover by glove, Opaque objects
Response Time	<15ms

Spec.	Description
Accuracy	<1.5mm (over 90% Area)
Writing Height	4mm
Communication Mode	Full-speed USB
Interface	USB2.0 type B
Touch Drive	Free drive (Multi-touch for Mac need another touch driver)
Surface Hardness	Toughened Glass with Level 7 of Mohs Standard, (glass level is G2s glass of CVTE)
Interpolation Resolution	32767(W)*32767(D)
System Version	Android 7.0
CPU	ARM Cortex A73 Dual Core CPU
GPU	Mali 450*5
RAM	2G
ROM	16G
Speaker Type	Built-in Speaker
Output Power	12W × 2
Voltage	100 V ~ 240V, 50 Hz / 60Hz
Standby Power	≤0.5W
IR receiver	Yes×1 , Remote control distance 8 meter
Net Weight	Panel is 45.6 Kg (w/o package/wall mount/PC module)
Gross Weight	55 Kg
Wall-hanging Screw Spec	M8×25mm (4 screws)
VESA	600×400mm
Handle	Yes, 2 handle at the upper left and right side
Power Button	Yes (with LED light, blue/Red)
Logo	The upper left corner and using nameplate logo
Dimension L*H*D	1521×914×98mm
Dimension(package) L*W*H	1697×220×1071mm
Operation Temperature	0℃ - 40℃
Operation Humidity	10% - 90%
Storage Temperature	-20℃ -60℃
Storage Humidity	10% - 90%
Altitude	Below 5000 meters

Spec.	Description
Model	CP2-75
Panel Level	A grade(details refer to panel manufacturer IIS standard)
LCD Size	75 inch Cell LGD LGA251E-G
Active Display Area	1649.664(H)*927.936(V)mm
Light Source	Direct LED (DLED)
Resolution	3840(H)*2160(V), 4K resolution
Aspect Ratio	16:9
Brightness (typ.)/(min.)	350 cd/m^2 (typ.) / 300 cd/m^2(min.)
Contrast Ratio (typ.)/(min.)	1200:1
Response Time (ms)	8ms (Typ)
Frame Rate	60Hz
Viewing Angle	178º (H) / 178º (V)
Pixel Pitch	0.429mm x 0.429mm
Panel Surface	Anti-Glare
Panel Bit (8 or 10)	10 bit (8bit+FRC), 1073.7M
Usage time (hrs/days)	18 hrs/day
Light Life Time	30000 Hours
HDMI 2.0 Input	3
USB-B Touch	2
VGA in	1
AUDIO in	1
AUDIO out	1
COAXIAL OUT	1
USB2.0	4 (Including 2 USB ports in front)
USB3.0	2
RS232 in Serial	1
RJ45	1
HDMI 1.4 Output	1
Wifi Slot	One slot
PC Module Slot	One slot
Sensing Type	Infrared recognition
System	Windows10/Windows8/Windows7/Windows XP/Vista/Linux/Mac/Android
Touch point	10 points writing and 20 points touch
Minimum object size	2mm

Spec.	Description
Touch Tool	Finger, Finger cover by glove, Opaque objects
Response Time	<15ms
Accuracy	<1.5mm (over 90% Area)
Writing Height	4mm
Communication Mode	Full-speed USB
Interface	USB2.0 type B
Touch Drive	Free drive (Multi-touch for Mac need another touch driver)
Surface Hardness	Toughened Glass with Level 7 of Mohs Standard, (glass level is G2s glass of CVTE)
Interpolation Resolution	32767(W)*32767(D)
System Version	Android 7.0
CPU	ARM Cortex A73 Dual Core CPU
GPU	Mali 450*5
RAM	2G
ROM	16G
Speaker Type	Built-in Speaker
Output Power	12W × 2
Voltage	100 V ~ 240V, 50 Hz / 60Hz
Standby Power	≤0.5W
Key Location & Number	Front physical key, 1 (power key)
IR receiver	Yes×1 , Remote control distance 8 meter
Net Weight	Panel is 58.6 Kg (w/o package/wall mount/PC module)
Gross Weight	78 Kg
Wall-hanging Screw Spec	M8×25mm (4 screws)
VESA	800×400mm
Handle	Yes, 2 handle at the upper left and right side
Power Button	Yes (with LED light, blue/Red)
Logo	The upper left corner and using nameplate logo
Dimension L*H*D	1763×1034×100mm
Dimension(package) L*W*H	1913×280×1225mm
Operation Temperature	0℃ - 40℃
Operation Humidity	10% - 90%
Storage Temperature	-20℃ -60℃
Storage Humidity	10% - 90%
Altitude	Below 5000 meters

Multimedia Supported Formats

Movie			
File	**Codec**		
Extensions	Video	Audio	Maximum transmit ratio
.3g2	H.263	AAC,AMR_NB	Spec: Max Solution: 1280*720 30 Fps , 5Mbps
.3gp	H.264		Spec: Max Solution: 3840*2160 30 Fps , 100Mbps
	H.263		Spec: Max Solution: 1280*720 30 Fps , 5Mbps
	MPEG-4		Spec: Max Solution: 1920*1088 30 Fps , 50Mbps
.avi	H.263	Mpeg1/2 Layer3,AAC,LPCM	Spec: Max Solution: 1280*720 30 Fps , 5Mbps
	H.264		Spec: Max Solution: 3840*2160 30 Fps , 100Mbps
	MPEG-1		Spec: Max Solution: 1920*1088 30 Fps , 80Mbps
	Mpge-2		Spec: Max Solution: 1920*1088 30 Fps , 80Mbps
	Mpge-4		Spec: Max Solution: 1920*1088 30 Fps , 50Mbps
	MJPEG		Spec: Max Solution: 1920*1080 30 Fps , 150Mbps
.dat	MPEG-1	Mpeg1/2 Layer3,LPCM	Spec: Max Solution: 1920*1088 30 Fps , 80Mbps
.flv/.f4v	H.263	Mpeg1/2 Layer3,AAC	Spec: Max Solution: 1280*720 30 Fps , 5Mbps
	VP6		Spec: Max Solution: 1920*1088 30 Fps , 40Mbps
	H.264		Spec: Max Solution: 3840*2160 30 Fps , 100Mbps
.m4v	H.264	AAC	Spec: Max Solution: 3840*2160 30 Fps , 100Mbps
.mkv	H.264	AAC,Mpeg1/2 Layer3	Spec: Max Solution: 3840*2160 30 Fps , 100Mbps
	Vc-1		Spec: Max Solution: 1920*1088 30 Fps , 45Mbps

Movie			
File	**Codec**		
Extensions	Video	Audio	Maximum transmit ratio
.mov	H.264	AAC,PCM	Spec: Max Solution: 3840*2160 30 Fps , 100Mbps
	MPEG-4		Spec: Max Solution: 1920*1088 30 Fps , 50Mbps
	MJPEG		Spec: Max Solution: 1920*1080 30 Fps
.mp4	H.264	AAC	Spec: Max Solution: 3840*2160 30 Fps , 100Mbps
	MPEG-4		Spec: Max Solution: 1920*1088 30 Fps , 50Mbps
.VOB	MPEG-2	Mpeg1/2 Layer3,PCM	Spec: Max Solution: 1920*1088 30 Fps , 80Mbps
.mpg/.mpeg	H.264	Mpeg1/2 Layer3,,AAC	Spec: Max Solution: 3840*2160 30 Fps , 100Mbps
	MPEG-1		Spec: Max Solution: 1920*1088 30 Fps , 80Mbps
	MPEG-2		Spec: Max Solution: 1920*1088 30 Fps , 80Mbps
.rmvb	H.264	AAC	
.ts	H.264	AAC,Mpeg1/2 Layer3,	Spec: Max Solution: 3840*2160 30 Fps , 100Mbps
	H.265		Spec: Max Solution: 3840*2160 30 Fps , 100Mbps
	MPEG-2		Spec: Max Solution: 1920*1088 30 Fps , 80Mbps
	VC-1(AP)		Spec: Max Solution: 1920*1088 30 Fps , 45Mbps

Audio			
File	**Format**	**Audio Codec**	**Supported range**
.aac	AAC	AAC	Sample Rate: 16K~48KHz
			Bit Rate: 24K~384Kbps
.ape	Monkey's Audio	Monkey's Audio	Sample Rate: Max 48KHz
			Bit Rate: max 320Kbps
.flac	FLAC	FLAC	Sample Rate: Max 48KHz
			Bit Rate: max 320Kbps

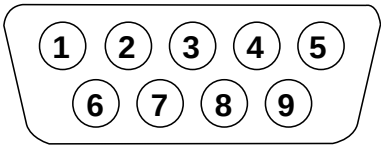
Audio

File	Format	Audio Codec	Supported range
.m4a	ALAC	ALAC	Sample Rate: 16K~48KHz
			Bit Rate: 24K~384Kbps
.mp3	MPEG Audio Layer3	MPEG1/2 layer3	Sample Rate: 32K~48KHz
			Bit Rate: 32K~320Kbps
.ogg	Vorbis	Vorbis	Sample Rate: 8K~48KHz
			Bit Rate: max 320Kbps
.wma	WMA	WMA	Sample Rate: 8K~48KHz
			Bit Rate: 128K~320Kbps
.wav	WAV	LPCM	Sample Rate: max 48KHz
			Bit Rate: max320Kbps
		Min Resolution : 4x4	

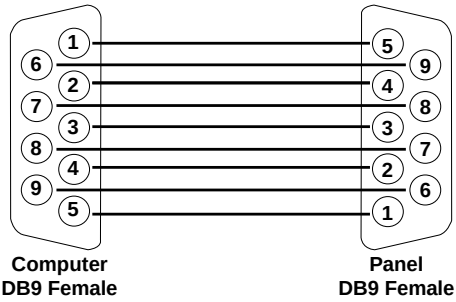
Photo

File	Format	Supported range	Remark
.bmp	BMP	Max Resolution: 8000×8000	Spec: Max Solution: 8000x8000Preview Normal ， Unable to play full screen
		Min Resolution : 4x4	confirm file:5000x5000 OK
.jpeg/jpg	JPEG	Max Resolution: 8000×8000	PASS
		Min Resolution : 4x4	
.png	PNG	Max Resolution: 8000×8000	PASS

RS-232 Pin Definition



PIN	Signal	Note
1	NC	
2	TXD	Send to panel
3	RXD	Receive from panel
4	NC	
5	GND	
6	NC	
7	NC	
8	NC	
9	NC	



RS-232 Send Command Table

Serial port setting:

Item	Data
Baud rate	9600
Data rate	8
Stop bit	1
Parity bit	None
Flow control	None

Serial Communication Data Format:

No.	Command	Meaning	Note
1	0xAA		
2	0xBB		
3	0xCC		
4		See command table	No. 4 + No. 5 = one command
5		See command table	No. 4 + No. 5 = one command
6	0x00		
7	checksum		
8	0xDD		
9	0xEE		
10	0xFF		

Serial Command:

No.	Function	Status	Command	Data	Note
1	Power on/off	SET	Power on	AA BB CC 01 00 00 01 DD EE FF	
2		SET	Power off	AA BB CC 01 01 00 02 DD EE FF	
3	Input source	SET	TV	AA BB CC 02 01 00 03 DD EE FF	
4		SET	DTV	AA BB CC 02 10 00 12 DD EE FF	
5		SET	AV	AA BB CC 02 02 00 04 DD EE FF	
6		SET	YPBPR	AA BB CC 02 0F 00 0F DD EE FF	
7		SET	Android	AA BB CC 02 0A 00 0C DD EE FF	
8		SET	PC/DVI	AA BB CC 02 08 00 0A DD EE FF	
10		SET	VGA1	AA BB CC 02 03 00 05 DD EE FF	
11		SET	VGA2	AA BB CC 02 04 00 06 DD EE FF	
12		SET	VGA3	AA BB CC 02 0B 00 0D DD EE FF	
13		SET	HDMI1	AA BB CC 02 06 00 08 DD EE FF	
14		SET	HDMI2	AA BB CC 02 07 00 09 DD EE FF	
15		SET	HDMI3	AA BB CC 02 05 00 07 DD EE FF	
16		SET	DP	AA BB CC 02 11 00 13 DD EE FF	
17		SET	HDMI4K(4K*2K)	AA BB CC 02 0D 00 0F DD EE FF	
18		SET	Android+	AA BB CC 02 0E 00 0E DD EE FF	

No.	Function	Status	Command	Data	Note
19	Video	SET	00—100	AA BB CC 03 00 xx ** DD EE FF	xx= Volume value, ex: volume value is 30(decimal)= 1E (Hexadecimal). XX=1E; **=03+00+1E(Hexadecimal) =21
20		SET	Mute	AA BB CC 03 01 00 04 DD EE FF	
21		SET	Unmute	AA BB CC 03 01 01 05 DD EE FF	
22	Ratio	SET	16:09	AA BB CC 08 00 00 08 DD EE FF	
23		SET	4：3	AA BB CC 08 01 00 09 DD EE FF	
24		SET	Point to Point	AA BB CC 08 07 00 0F DD EE FF	
25	Channel switch	SET	ATV(00-100)	AA BB CC 05 00 XX ** DD EE FF	“XX” means channel. “**” means XX+05, calculation result is expressed in hexadecimal
26	PC power	SET	ON	AA BB CC 09 01 00 0A DD EE FF	
27		SET	OFF	AA BB CC 09 00 00 09 DD EE FF	
28	Remote controller function	SET	WIN	AA BB CC 07 0B 00 12 DD EE FF	
29		SET	Space	AA BB CC 07 46 00 4D DD EE FF	
30		SET	Alt+Tab	AA BB CC 07 1D 00 24 DD EE FF	
31		SET	Alt+F4	AA BB CC 07 1F 00 26 DD EE FF	
32		SET	NUM_1	AA BB CC 07 00 00 07 DD EE FF	
33		SET	NUM_2	AA BB CC 07 10 00 17 DD EE FF	
34		SET	NUM_3	AA BB CC 07 11 00 18 DD EE FF	
35		SET	NUM_4	AA BB CC 07 13 00 1A DD EE FF	
36		SET	NUM_5	AA BB CC 07 14 00 1B DD EE FF	
37		SET	NUM_6	AA BB CC 07 15 00 1C DD EE FF	
38		SET	NUM_7	AA BB CC 07 17 00 1E DD EE FF	
39		SET	NUM_8	AA BB CC 07 18 00 1F DD EE FF	
40		SET	NUM_9	AA BB CC 07 19 00 20 DD EE FF	
41		SET	NUM_0	AA BB CC 07 1B 00 22 DD EE FF	

No.	Function	Status	Command	Data	Note
42		SET	Display	AA BB CC 07 1C 00 23 DD EE FF	
43		SET	Input	AA BB CC 07 07 00 0E DD EE FF	
44		SET	Home	AA BB CC 07 48 00 4F DD EE FF	
45		SET	Menu	AA BB CC 07 0D 00 14 DD EE FF	
46		SET	Delete	AA BB CC 07 40 00 47 DD EE FF	
47		SET	Energy	AA BB CC 07 4E 00 55 DD EE FF	
48		SET	UP	AA BB CC 07 47 00 4E DD EE FF	
49		SET	DOWN	AA BB CC 07 4D 00 54 DD EE FF	
50		SET	LEFT	AA BB CC 07 49 00 50 DD EE FF	
51		SET	RIGHT	AA BB CC 07 4B 00 52 DD EE FF	
52		SET	ENTER	AA BB CC 07 4A 00 51 DD EE FF	
53		SET	Point	AA BB CC 07 06 00 0D DD EE FF	
54		SET	Back	AA BB CC 07 0A 00 11 DD EE FF	
55		SET	CH+	AA BB CC 07 02 00 09 DD EE FF	
56		SET	CH-	AA BB CC 07 09 00 10 DD EE FF	
57		SET	VOL+	AA BB CC 07 03 00 0A DD EE FF	
58		SET	VOL-	AA BB CC 07 41 00 48 DD EE FF	
59		SET	PageUp	AA BB CC 07 42 00 49 DD EE FF	
60		SET	PageDown	AA BB CC 07 0F 00 16 DD EE FF	
61		SET	F1	AA BB CC 07 45 00 4C DD EE FF	
62		SET	F2	AA BB CC 07 12 00 19 DD EE FF	
63		SET	F3	AA BB CC 07 51 00 58 DD EE FF	
64		SET	F4	AA BB CC 07 5B 00 62 DD EE FF	
65		SET	F5	AA BB CC 07 44 00 4B DD EE FF	

No.	Function	Status	Command	Data	Note
66		SET	F6	AA BB CC 07 50 00 57 DD EE FF	
67		SET	F7	AA BB CC 07 43 00 4A DD EE FF	
68		SET	F8	AA BB CC 07 1A 00 21 DD EE FF	
69		SET	F9	AA BB CC 07 04 00 0B DD EE FF	
70		SET	F10	AA BB CC 07 59 00 60 DD EE FF	
71		SET	F11	AA BB CC 07 57 00 5E DD EE FF	
72		SET	F12	AA BB CC 07 08 00 0F DD EE FF	
73		SET	RED	AA BB CC 07 5C 00 63 DD EE FF	
74		SET	GREEN	AA BB CC 07 5D 00 64 DD EE FF	
75		SET	YELLOW	AA BB CC 07 5E 00 65 DD EE FF	
76		SET	BLUE	AA BB CC 07 5F 00 66 DD EE FF	

Status Check Command:

No.	Function	Status	Command	Return Command	Mode
1	Get power status	GET	AA BB CC 01 02 00 03 DD EE FF	AA BB CC 80 00 00 80 DD EE FF	Power on
2		GET		AA BB CC 80 01 00 81 DD EE FF	Power off
3	Get volume value	GET	AA BB CC 03 02 00 05 DD EE FF	AA BB CC 82 00 xx ** DD EE FF	volume
4	Get volume status	GET	AA BB CC 03 03 00 06 DD EE FF	AA BB CC 82 01 00 83 DD EE FF	Mute
5		GET		AA BB CC 82 01 01 84 DD EE FF	Unmute
6	Get input source status	GET	AA BB CC 02 00 00 02 DD EE FF	AA BB CC 81 01 00 82 DD EE FF	TV
7		GET		AA BB CC 81 10 00 91 DD EE FF	DTV
8		GET		AA BB CC 81 02 00 83 DD EE FF	AV
9		GET		AA BB CC 81 0F 00 90 DD EE FF	YPBPR
10		GET		AA BB CC 81 0A 00 8B DD EE FF	Android
11		GET		AA BB CC 81 08 00 89 DD EE FF	PC/DVI

12		GET		AA BB CC 81 03 00 84 DD EE FF	VGA1/VGA
13		GET		AA BB CC 81 04 00 85 DD EE FF	VGA2
14		GET		AA BB CC 81 0B 00 8C DD EE FF	VGA3
15		GET		AA BB CC 81 06 00 87 DD EE FF	HDMI1
16		GET		AA BB CC 81 07 00 88 DD EE FF	HDMI2
17		GET		AA BB CC 81 05 00 86 DD EE FF	HDMI3
18		GET		AA BB CC 81 11 00 92 DD EE FF	DP
19		GET		AA BB CC 81 0D 00 8E DD EE FF	HDMI4K(4K*2K)
20		GET		AA BB CC 81 0E 00 8F DD EE FF	Android+
21	Get PC status	GET	AA BB CC 09 02 00 0B DD EE FF	AA BB CC 83 00 00 83 DD EE FF	ON
22		GET		AA BB CC 83 01 00 84 DD EE FF	OFF
23		GET		AA BB CC 83 02 00 85 DD EE FF	SLEEP
24		GET		AA BB CC 83 03 00 86 DD EE FF	Hibernate

Troubleshooting

Symptom	Possible Cause	Solution
The screen does not display anything; there is no sound, and the indicator does not come on	Looseness of power plug, power connection failure	Check if the power cord is properly connected
The product has no accompanying sound	1. Volume is set too low 2. Sound is muted	1. Adjust the volume to a proper level 2. Press the “MUTE” key on the remote control to unmute the product
The PC does not display anything, and gives a prompt indicating no signal input; the red indicator blinks	Looseness or come-off of the signal connection cable	Check if the signal connection cable is loosened or comes off; if so, reconnect it
Pictures shown on the PC are offset, do not cover the entire screen, go beyond the screen, or are blurred	1. Improper adjustment 2. Wrong display mode	1. Use the auto adjustment function 2. Enter “on-screen menu” to adjust the horizontal or vertical position
Short remote control distance, malfunction of remote control	1. The remote receiver of the product is blocked by some object 2. Battery level of the remote control is low	1. Move the object to avoid blocking the remote receiver 2. Replace the battery
A link cannot be accessed via the browser	1. Wrong network parameter configuration 2. Improper network connection 3. Network service is not activated	1. Ask the network administrator for available network IP addresses and other parameters 2. Check if the network connection cable is properly connected 3. Consult the network service provider

Symptom	Possible Cause	Solution
Video gets seriously stuck when played online	1. Network bandwidth is low 2. Several movies are buffered or other content is downloaded	1. Upgrade your network bandwidth to a higher one 2. Try replacement with other VOD addresses to
The product gets stuck, crashes or cannot be operated	1. Too many programs are running 2. Normal operation of the product is disturbed by external environment (e.g., lightning, static electricity)	Disconnect the product from power supply; wait for 1-2min and reconnect power supply; then restart the product
In 1366*768 resolution, Windows touch offset.	1. Might be the compatibility issue. 2. It isn't full screen resolution	Need to manual reset to fit it.