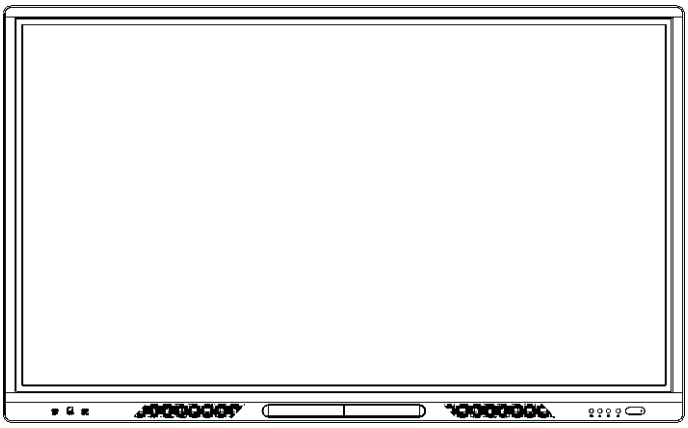
www.aver.com



AVer CP3 series

CP3-65i/CP3-75i/CP3-86i

(CP654IB/CP754IB/CP864IB)

User Manual

Federal Communications Commission

NOTE- This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to pro-vide reasonable protection against harmful interference when the equipment is operate din a commercial environment. This equipment generates, uses, and can radiate radiofrequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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.

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.

CE This product is herewith confirmed to comply with the requirements set out in the Council Directives on the Approximation of the laws of the Member States relating to Electromagnetic Compatibility Directive 2014/30/EU.

Warning - This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures to correct this interference.

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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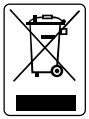

The mark of Crossed-out wheeled bin indicates that this product must not be disposed of with your other household waste. Instead, you need to dispose of the waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. For more information 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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CONTENTS

Introduction **1**

Hardware Introduction **2**

Package Contents 2

Front Side 3

Back Side 5

Power Plug and Power Switch 6

Wall Mounting Installation 7

Important Safety Instructions 7

Safety information 7

Safety tips for installation 8

Installation Dimension 9

Installation 12

Ventilation 15

MINI PC Mount Specification (VESA) 16

Remote Controller 17

Installation **19**

Connect to Laptop/PC 19

LAN Connection 20

HDMI and USB Connection 20

Using AVer CP3 System **21**

Power on 21

Power Off 22

Restart 22

Screen Lock (Manually) 23

Wizard Setup 24

Main Screen....28
Basic Information....32
Schedule....37
Notepad....44
Disable the Notepad....45
Enable the Notepad....46
Pinned File....47
Disable the Pinned Fie....51
Web Search....52
Disable the Web Search....54
Toolbar....55
Annotation Tool....57
Split-Screen Mode....58
Cloud Storage....60
Build an Account....60
Open a File from the Cloud Storage....64
Set Password for ES File Explorer....67
Whiteboard....69
Tutorial....69
Note Format....70
Import PDF....71
Save the PDF file to Google Drive....72
Change Name of the Note....75
Using Whiteboard....76
Screen Share....93
Enable Screen Share....93
Setup Screen Share....95

Sharing content from Apple product to the panel 97
Sharing content from Chrome solution to the panel 102
Sharing content from Windows computer to the panel 106
Sharing content from Android device to the panel 110
Gallery 113
Using Browser 115
Connect to DocCam 116
Internet Connection 117
Ethernet connection 117
WiFi Connection 118
Adjust Date and Time 120
Power Saving 122
Screen Saver 122
Auto Backlight-Off 123
Energy Saver 124
Screen Lock 125
App Lock 128
Eyes Protection Mode 131
Blue Light Filter 131
Volume Adjustment 132
Wallpaper 133
Picture Parameter 134
System Update 136
Display Management 137
Minimum Server System Requirements 137
Login 138
Change Password 140

Change Email....142
Add IFP Device....143
Power On, OFF, and Reboot IFP Device....149
Scheduling....151
Specification....153
Multimedia Supported Formats....159
RS-232 Pin Definition....159
RS-232 Send Command Table....159
RS-232 Transmission Specifications....161
RS-232 Communication Format....161
Troubleshooting....162

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).

Introduction

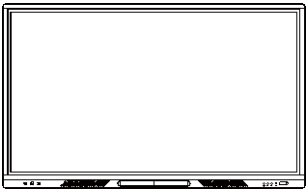
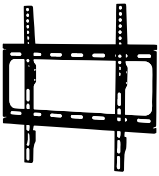
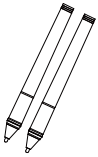
Thank you for choosing our interactive display. As our latest independently developed and produced human-machine interactive product, the interactive display is a multi-functional display for interactive teaching, digital demonstration, multi-media presentation, touch operations and handwriting. They 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 opaque objects to write, edit and delete any things on the screen.

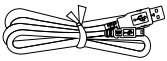
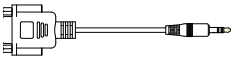
The product features are as follows:

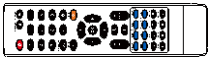
- Run on Android 7.1 operating system with unique UI design, offering you more convenient operations and better visual experience.
- Support convenient operation through a mouse and keyboard with USB port, just like a computer.
- Built-in large-capacity memory and large-capacity buffer, running 4K movies.
- High-quality LCD screen featured by flicker free, low radiation, high brightness, high contrast, large view angle and short response time, greatly reducing the ghosting of fast moving images and eye fatigue.
- De-interlaced image processing and industry-leading motion compensation technology, improving the jagged and blurred edges of moving images thoroughly.
- Dynamic contrast technology, significantly improving image definition and contrast.
- Multiple USB ports, supporting HD streaming media function.
- Ultrathin body and ultra-narrow edges.

Hardware Introduction

Package Contents

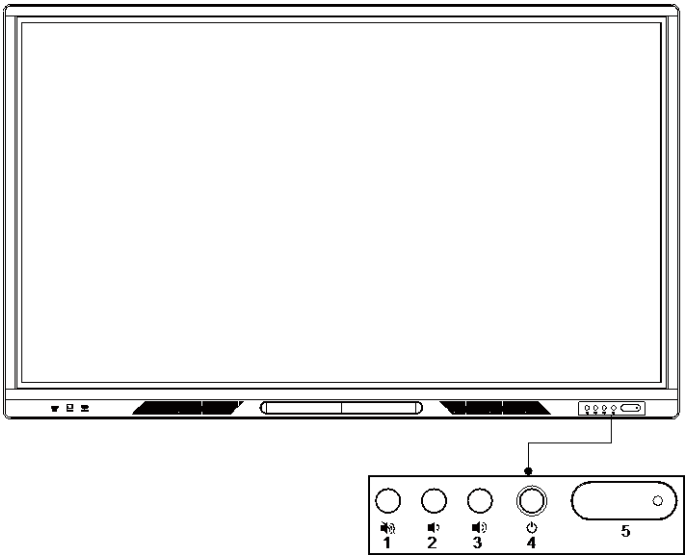
1  2  3  4

5 6  7 

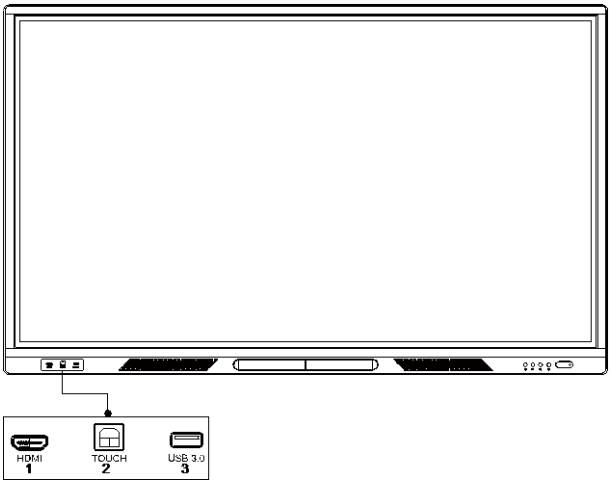
8 9 

1. AVer CP3 series (65”, 75”, 86”)
2. Wall mount
3. Stylus pens
4. Antennas
5. Power cable
6. USB cable
7. RS232 convert cable
8. HDMI cable
9. Remote Controller

Front Side

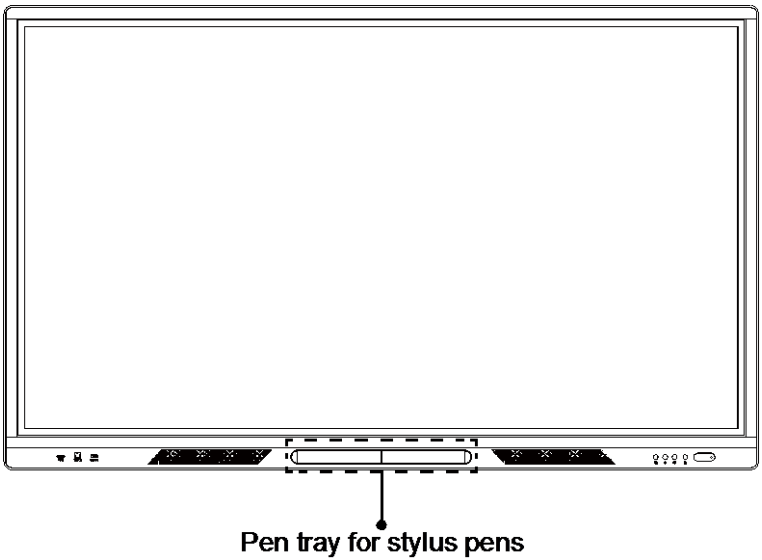


Item	Description
1	Mute
2	Volume down
3	Volume up
4	Power on/off
5	Ambient Sensor



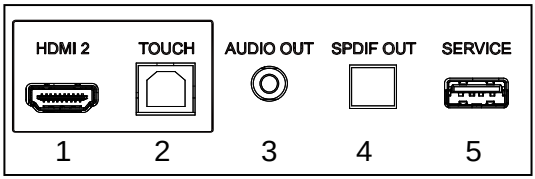
Item	Description
1	HDMI port
2	Touch-USB port
3	USB 3.0 port

Front Side(Continue)



Back Side

Side

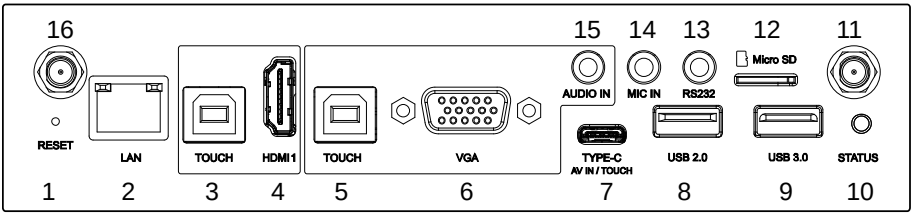


Item	Description
1	HDMI2-IN port
2	TOUCH-USB port
3	Audio Out port
4	SPDIF OUT port
5	Port for Engineer using

[Note]

1. HDMI2-IN port bypasses internal Android system.
2. HDMI2-IN port supports up to 4K and 60fps.

OPS I/O

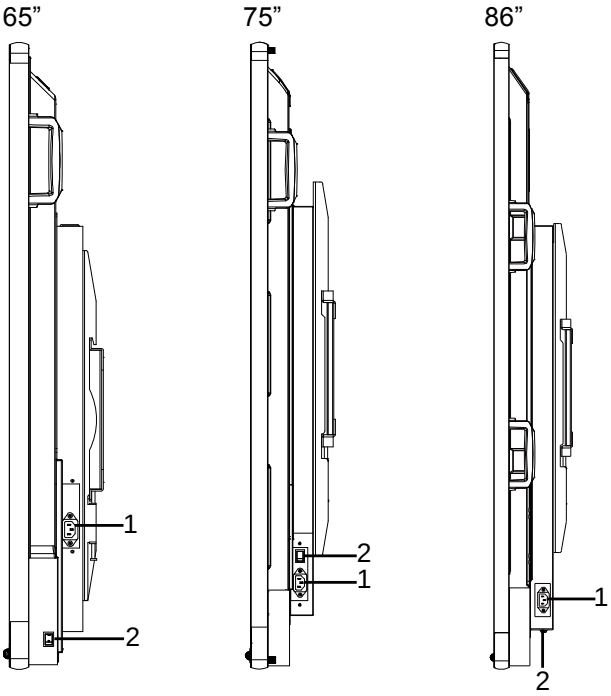


Item	Description	Item	Description
1	Reset button*	9	USB 3.0 port
2	LAN port	10	Status LED
3	Touch-USB port	11	Port for Antenna
4	HDMI 1 Input port	12	Micro SD slot
5	Touch-USB port	13	RS232 port
6	VGA Input port	14	MIC IN port
7	Type C AV-IN/Touch port	15	Audio IN port
8	USB 2.0 port	16	Port for Antenna

[Note]

1. RS232 port use RS232 convert cable for RS232 connection.
2. Type C AV-IN/Touch port: Please use USB 3.1 Gen 2 Type-C (10Gps) cable. Ex. Thunderbolt 3 Type-C to Type-C cable.

Power Plug and Power Switch



Item	Description
1	Power plug
2	Power switch

Wall Mounting Installation

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.

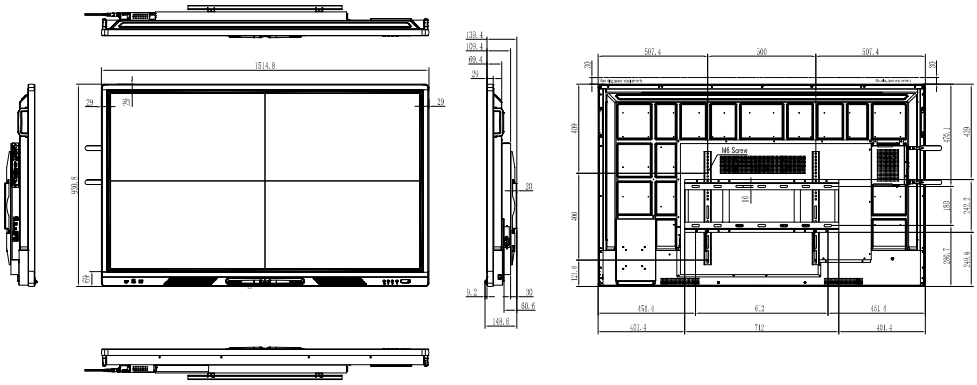
Safety tips for installation

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

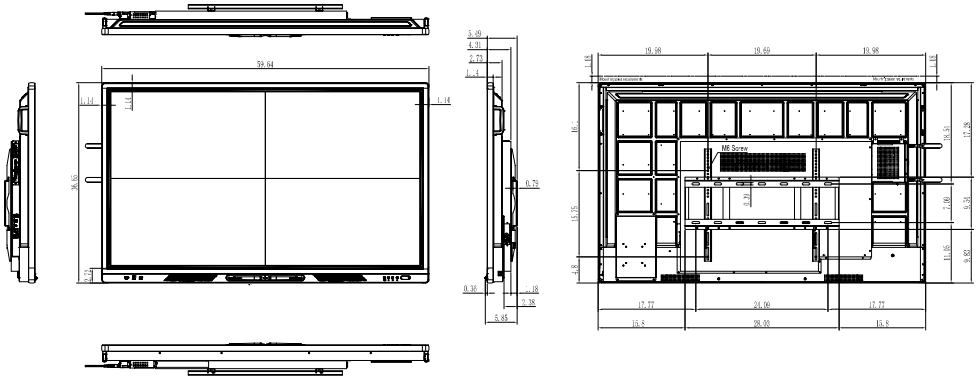
Installation Dimension

65”

Unit: **mm**

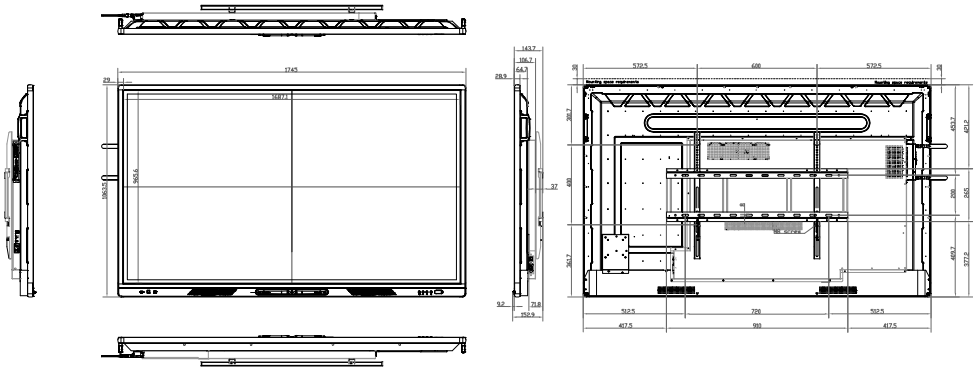


Unit: **inch**

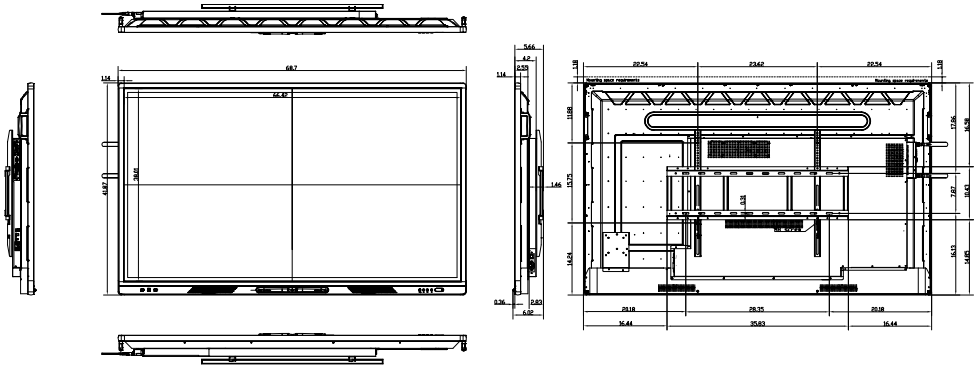


75”

Unit: **mm**

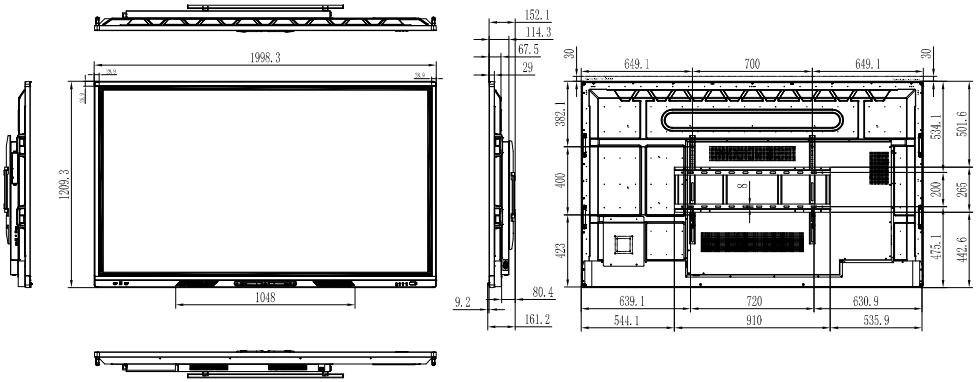


Unit: **inch**

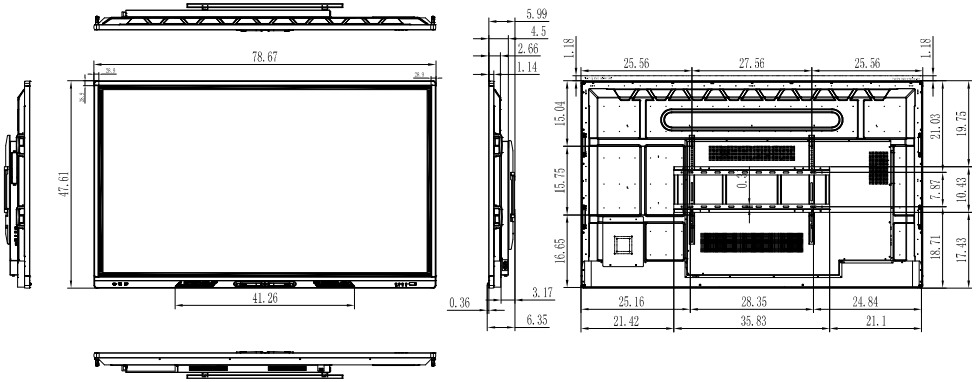


86”

Unit: **mm**



Unit: **inch**



Installation

Accessories

#	Name	Amount
①	Horizontal beam bracket of 50-70”/75-98” universal wall mount	1
②	Vertical beam bracket of 50-70”/75-98” universal wall mount	2
③	PE bag for VESA wall mount	1
④	M8x80mm expansion screw(blue zinc plated)	8
⑤	M4x10MM round head machine screw with spring washer(black zinc plated)	2
⑥	M5x100mm screw	2

Installation tools needed

Churn (impact) drill, pencil, screwdriver, hammer, wrench, grinder (polisher).

1. Take the IFP unit out of the package. Remove the wall mount beam bracket (①). Use screwdriver to remove the 2 M4 screws. Please refer to figure A.

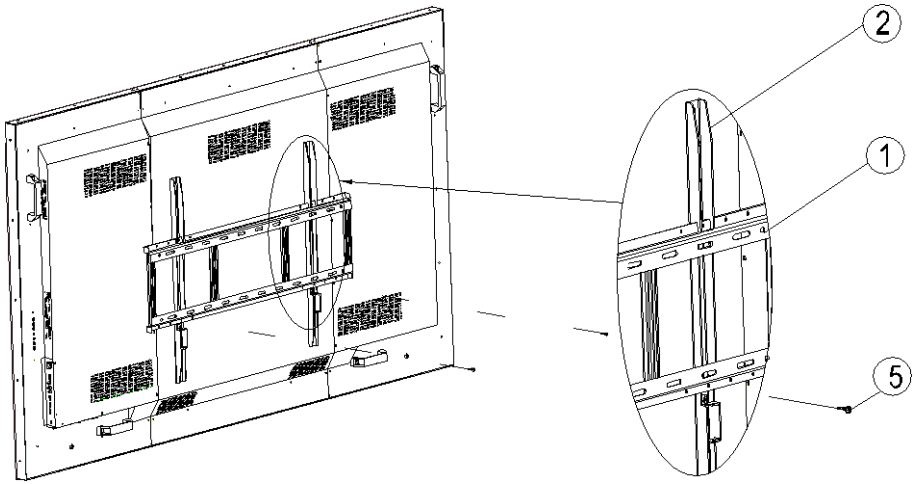
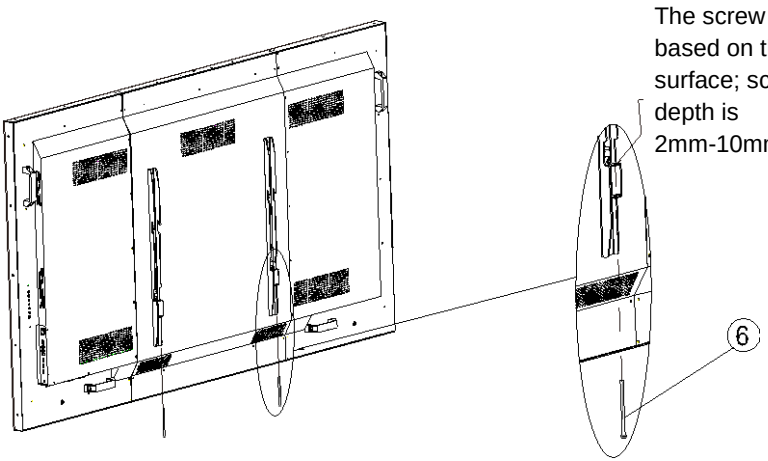
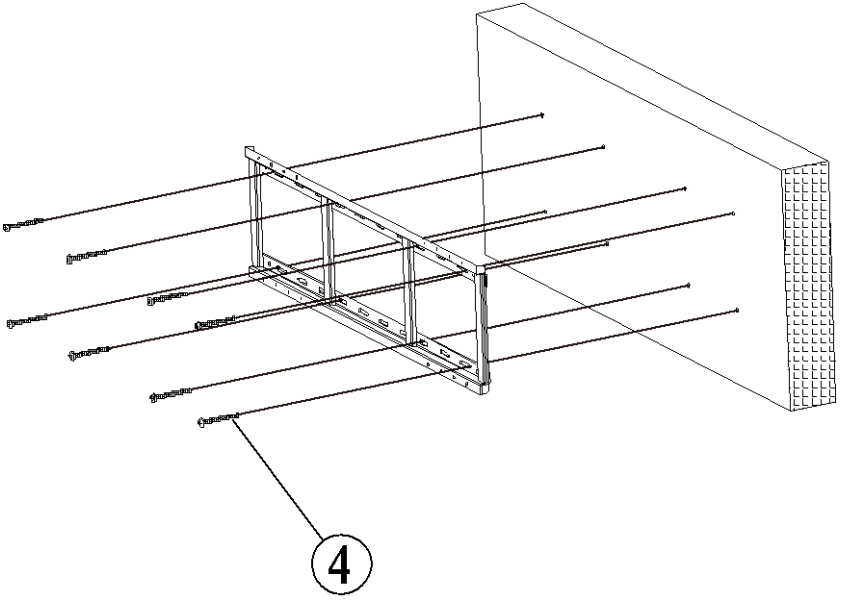


Figure A

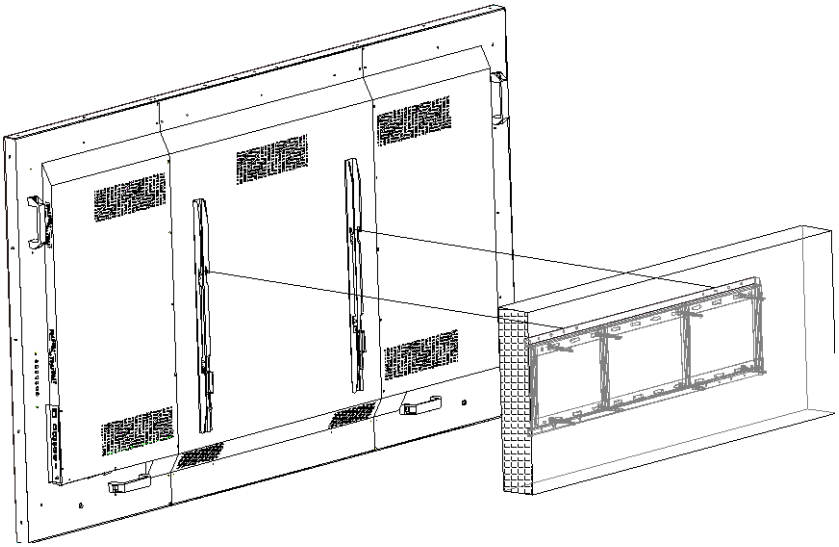
2. Take the M5X100 screws(⑥) from the accessory bag and screw it on the wall mount vertical beam bracket. The screw depth is 2mm-10mm.



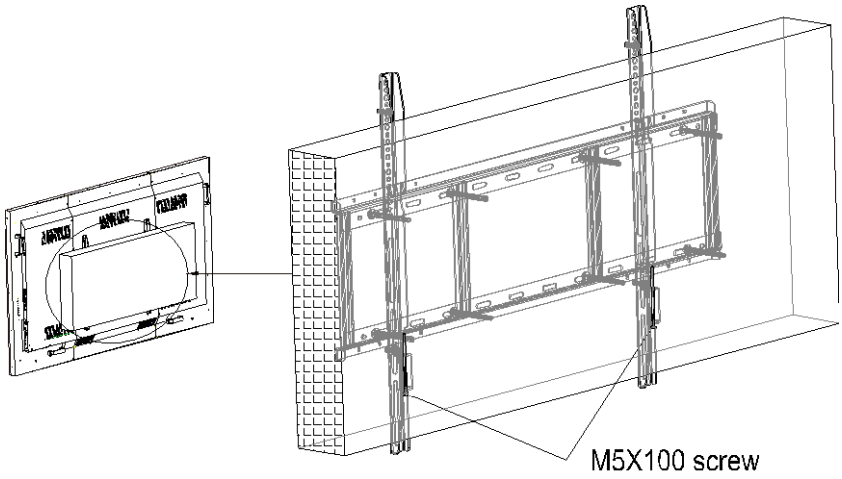
3. Install the wall mount beam bracket on the wall. Put the wall mount beam bracket on the wall, use M8*80mm screws (4 screws for up and down).User can choose the gap between different screws according to the wall material. We recommend opening Ø10mm hole on the wall and tightening it with a nut. And use a pencil to mark the position of the hole (8 holes). Then use the impact drill to drill the holes; the drilling depth recommended is above 85mm



4. Hang the IFP on the wall mount beam bracket.

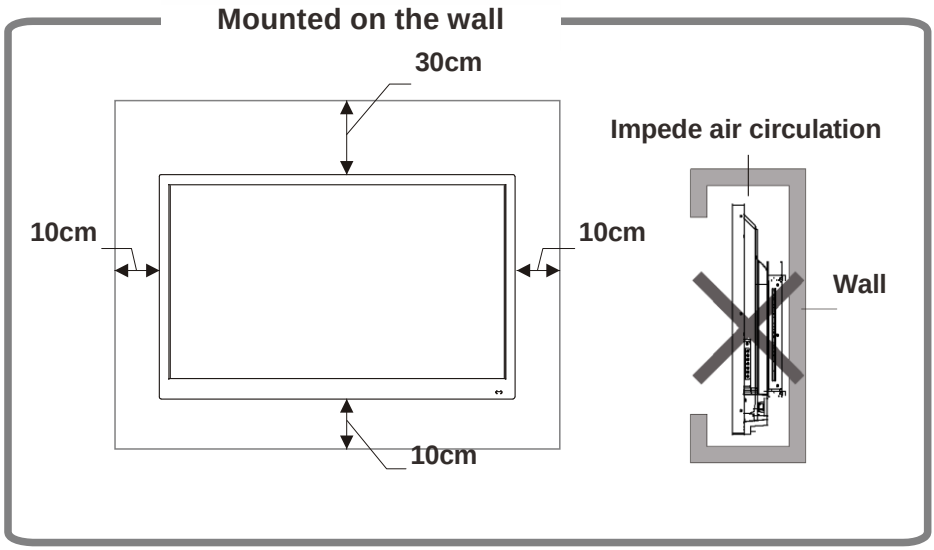


5. Screw tight the M5x100mm that we have pre-screw on the wall mount vertical beam bracket at step 2 to secure the IFP.



Ventilation

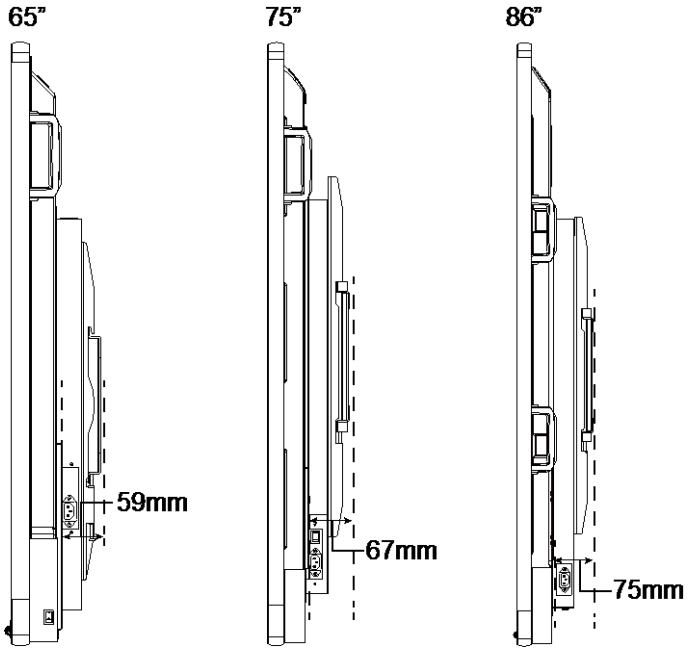
Keep clearances around the product according to the minimum dimensions shown in the picture.
Never cover the ventilation holes or insert any object into the housing.
Do not place the product in a confined space such as bookcase or imbedded closet unless appropriate ventilation conditions are provided.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



MINI PC Mount Specification (VESA)

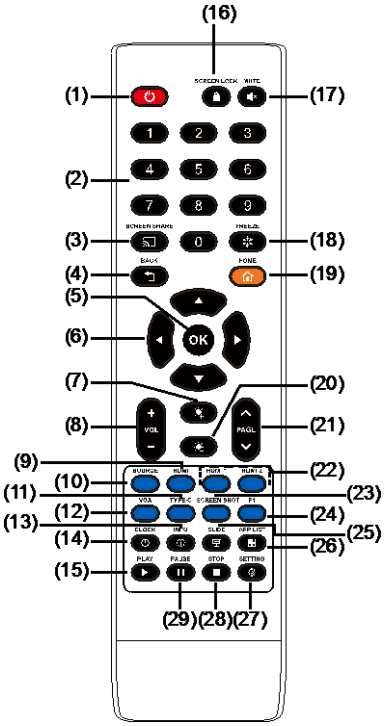
Size	VESA Spec.		Allowable PC installation space after wall mounting
65”	75 x 75mm	100 x 100mm	59mm
75”	75 x 75mm	100 x 100mm	67mm
86”	75 x 75mm	100 x 100mm	75mm

[Note] Screws are included on panel.



Remote Controller

[Note] Some of remote functions don't support HDMI2 source.

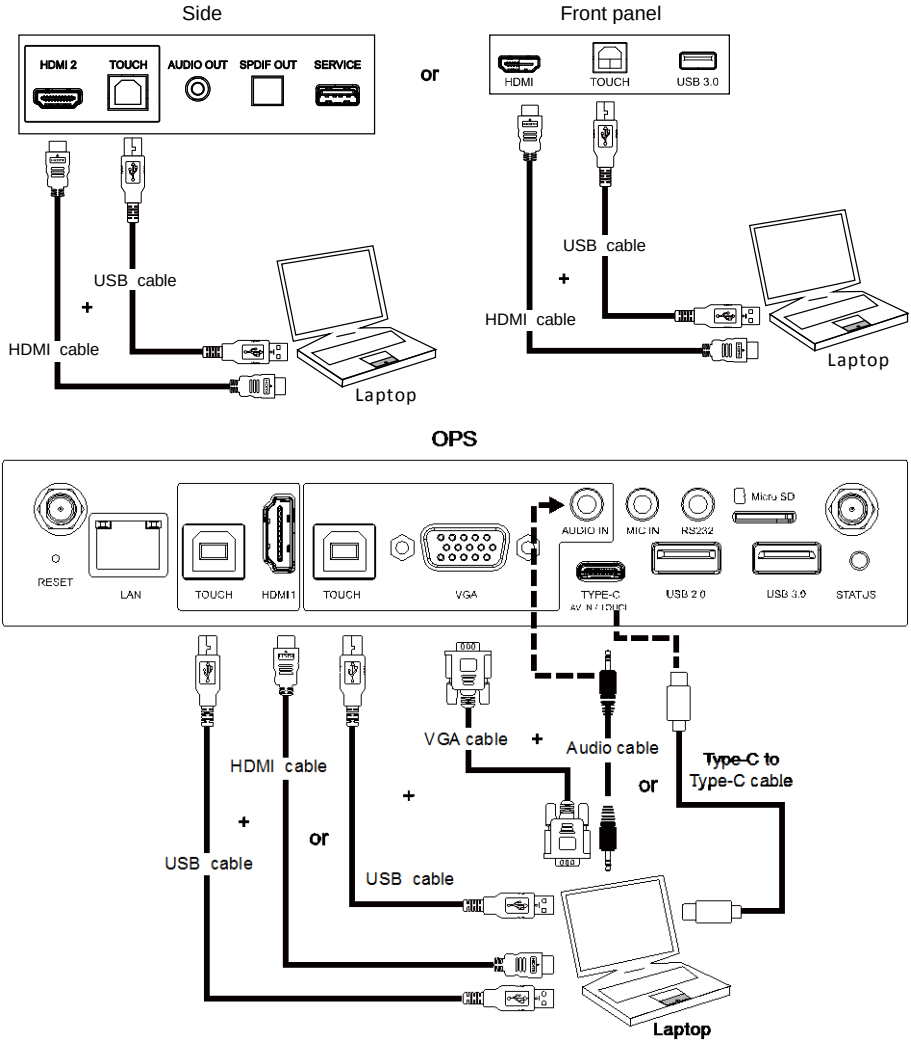


Name	Function
(1)	Call out power menu. Use▼and ▲ button to select “**SCREEN LOCK**”, “**RESTART** or “**POWER DOWN**”. After selecting, press OK button to confirm.
(2) Numeric Pad	Use to enter numeric.
(3)	Call out Screen Share application.
(4)	Back to previous page or selection.
(5) OK	Confirm the selection.
(6) ▲▼◀▶	Use these buttons to navigate through the selections.
(7)	Adjust the brightness of the screen.
(8) Volume +/-	Adjust volume of the system.
(9) HDMI	Switch to the screen of the HDMI connection.

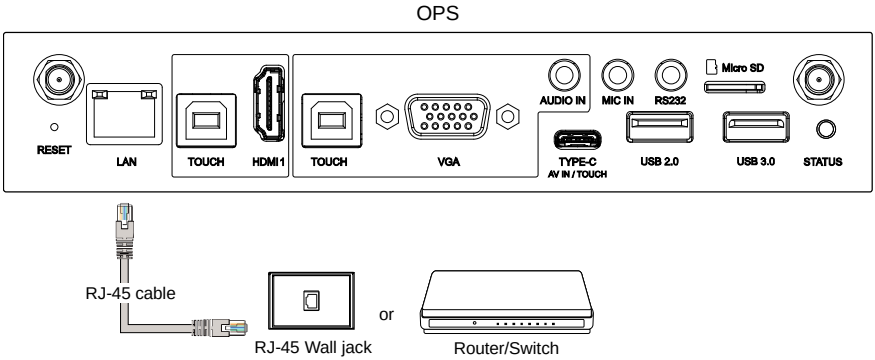
Name	Function
(10) SOURCE	Call out the input source menu.
(11) TYPE-C	Switch to input screen of the Type-C connection.
(12) VGA	Switch to input screen of the VGA connection.
(13) INFO	Call out information screen of the system.
(14)	Call out the Time application.
(15)	Play video in the system.
(16)	Lock screen immediately.
(17)	Switch to mute mode.
(18)	Freeze the screen temporary. While the screen is freeze, the system functions are not available. Press button again to un-freeze.
(19)	Return to main screen.
(20)	Adjust the brightness of the screen.
(21) Page ∧/Page ∨	Can be used when operating the whiteboard or playing PPT files, return to the previous page or to the next page.
(22) HDMI1/HDMI2	Switch to the input screen of the HDMI1/HDMI2 connection.
(23) SCREEN SHOT	Snapshot the screen and save on the system.
(24) F1	No function.
(25)	Play PPT file.
(26)	Call out APP list and use ▲, ▼, ◀, ▶ button to select the APP application, press OK to confirm the selection.
(27)	Call out setting page.
(28)	Stop play video in playback application.
(29)	Temporary stop to play video in playback application.

Installation

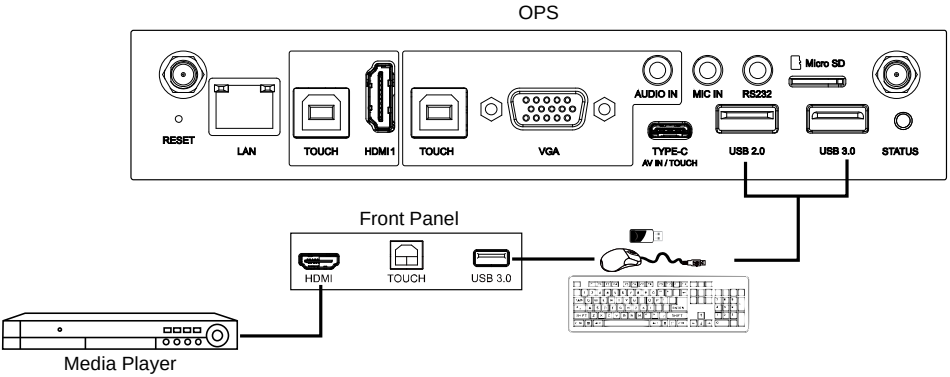
Connect to Laptop/PC



LAN Connection



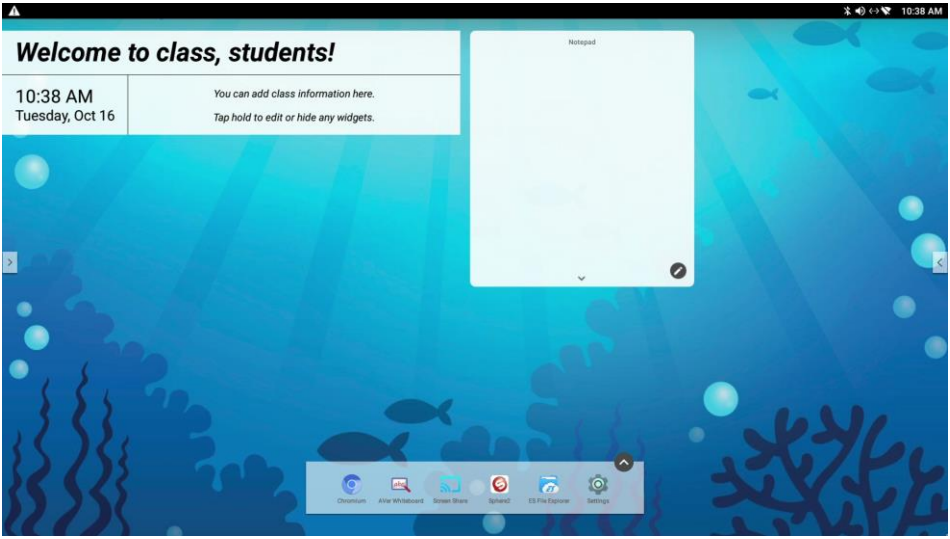
HDMI and USB Connection



Using AVer CP3 System

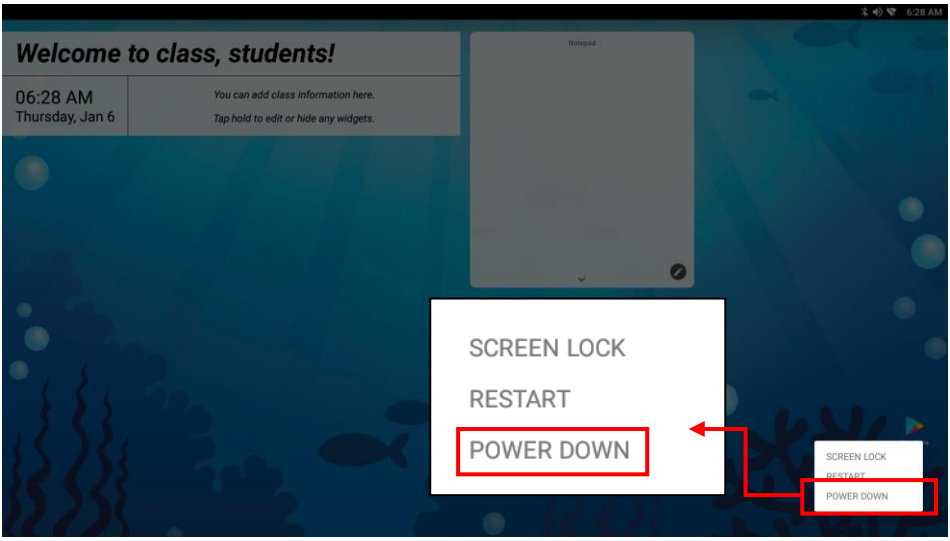
Power on

Connect the power plug to the power outlet on the wall. Switch the power button to on and press the power button locate front panel of AVer CP3 unit. After power on, the main screen is displayed.



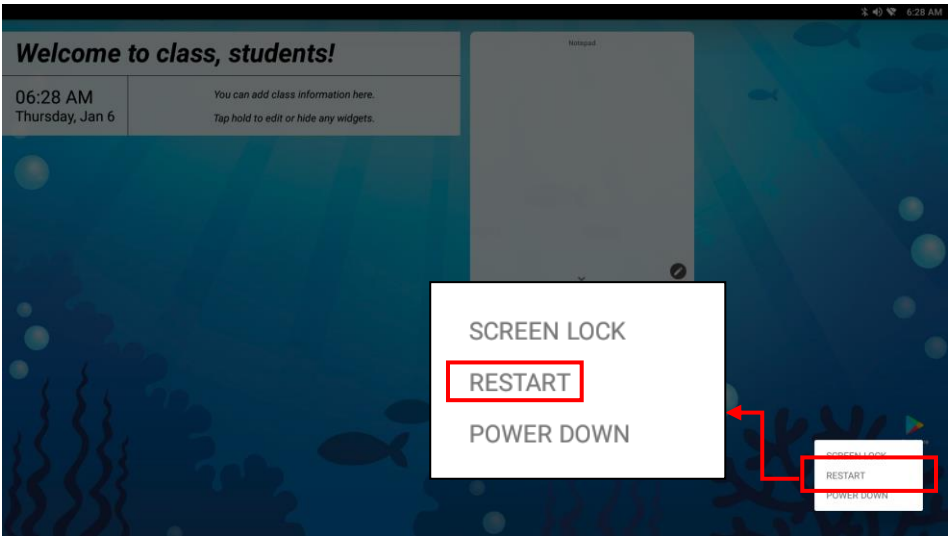
Power Off

While in power on status, press power button on the AVer CP3 unit and the power menu is displayed on screen; select “**Power Down**” to turn off the AVer CP3 system.



Restart

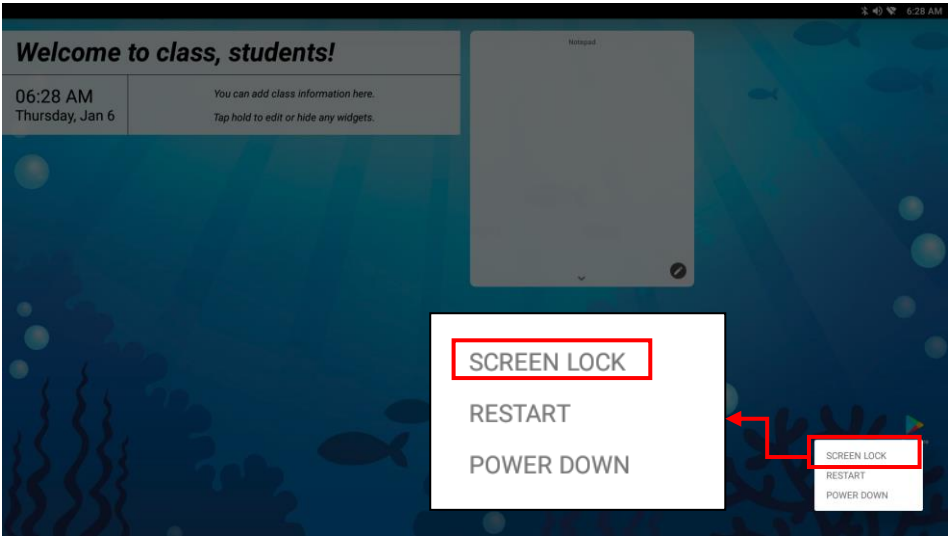
Restart the IFP system. Press power button on the AVer CP3 unit and select “**Restart**”.



Screen Lock (Manually)

User can manually turn off backlight.

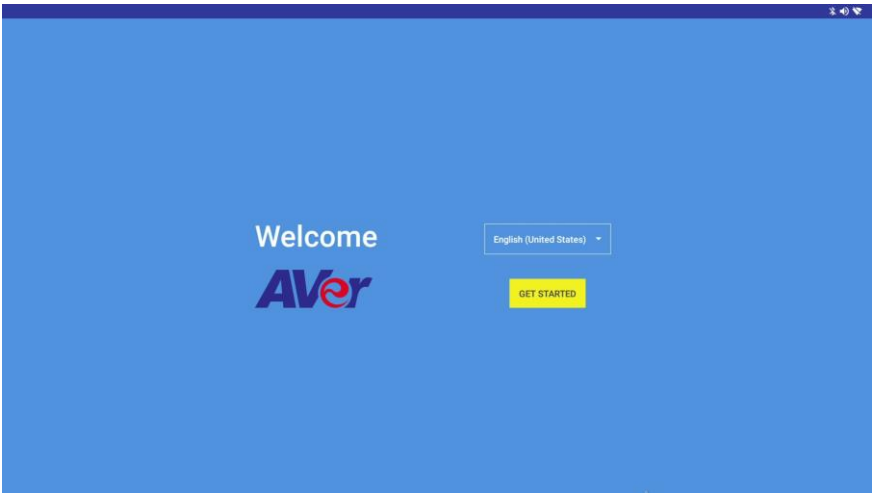
1. Press power button on the AVer CP3 device.
2. Select “**SCREEN LOCK**”. The screen will turn to black immediately.
3. While in backlight off status, press power button can bring out the screen.



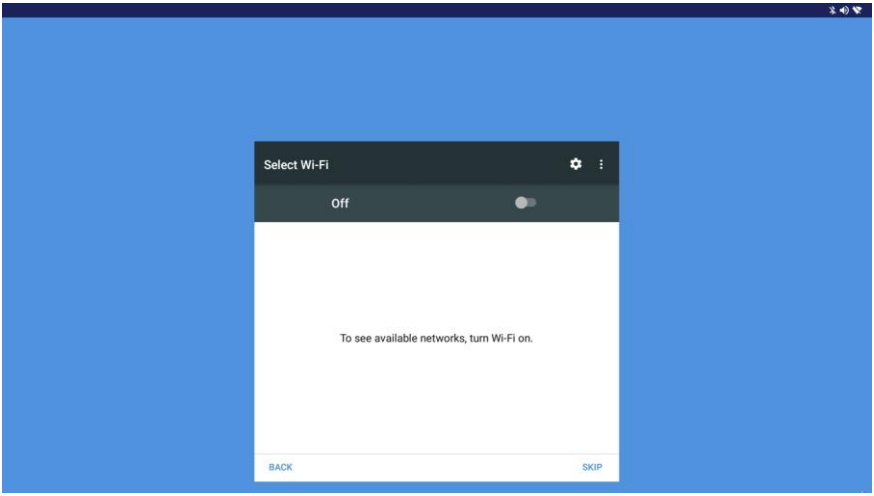
Wizard Setup

For the first time startup IFP, a wizard will guide you to setup some settings.
The following will describe the settings step by step.

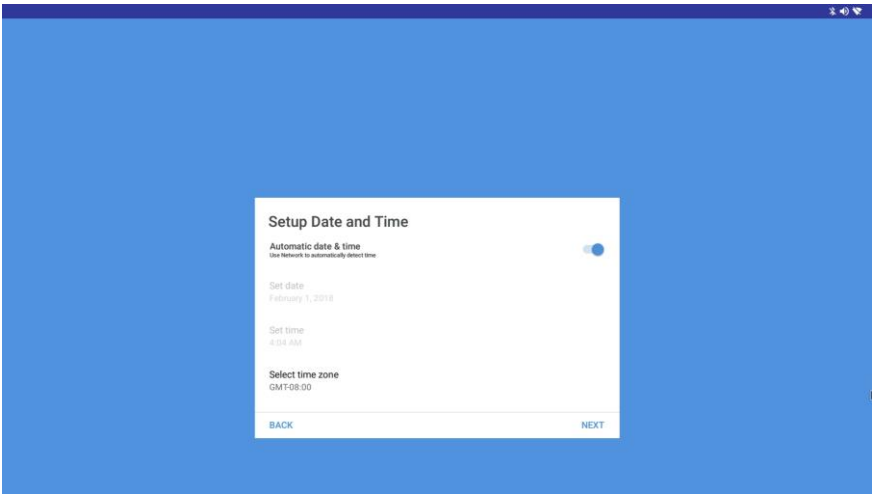
1. **Language:** select the lanuage. Tap the ▼ to select the lanuage. Then, tap “**GET STARTED**” to continune.



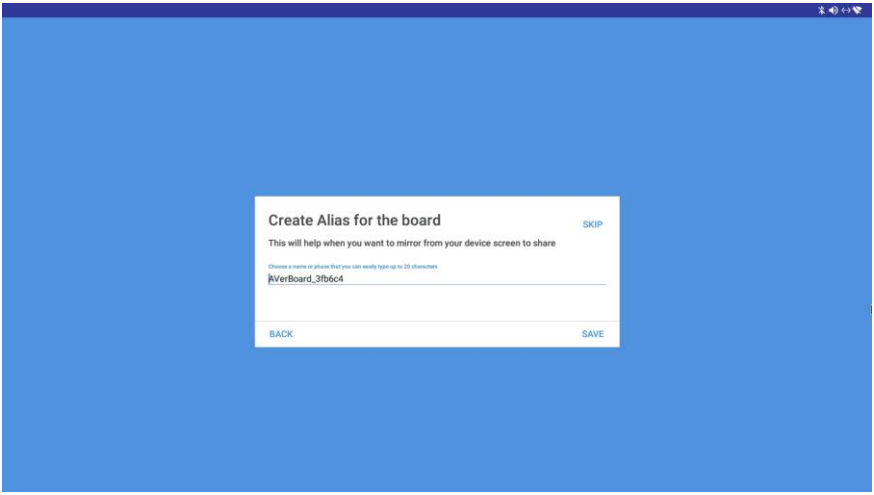
2. **WiFi setup:** Turn on and connect to the WiFi AP. Tap to turn on the WiFi and select the avilable WiFi AP to connect. If user doesn’t enable the WiFi, please remember to connect a Ethernet cable for internet accessing. After connecting the WiFi, tap “Next” to continue.



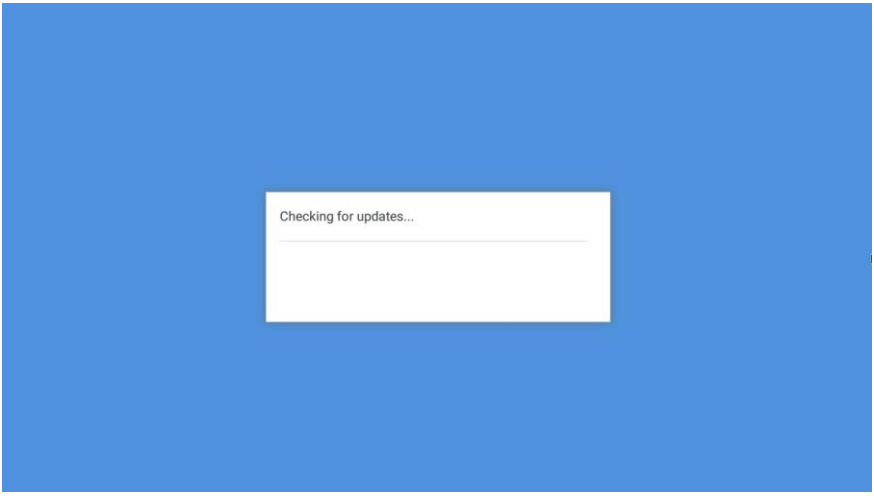
3. **Setup Date and Time:** Set the current date and Time. **Automatically date and time** is enabled in default; but user still can be adjust the **time zone** if needed. Or user can disable the automatically date and time and set the date and time manually. After setting date and time, tap “**NEXT**” to contiune.



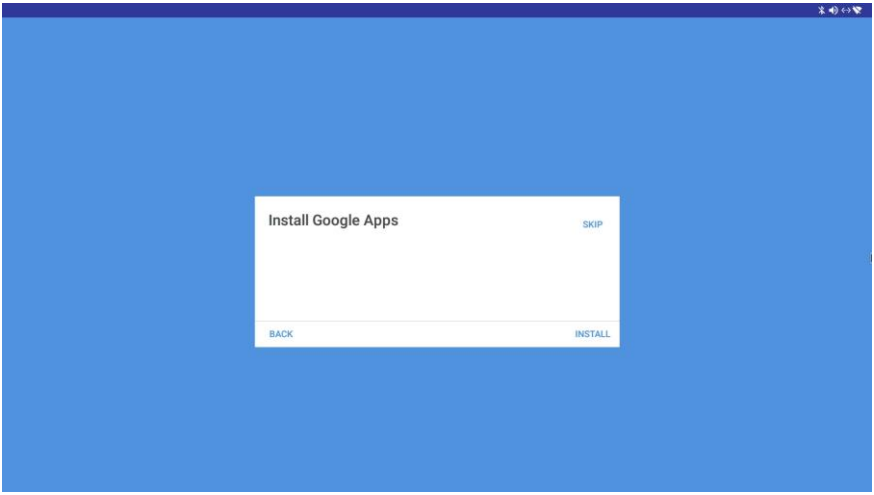
4. **Create Alias for the board:** This name will be used as s Screen Share connection indenitity. The 20 characters are limited. A defalut name will be provided by IFP system. Select “**SAVE**” to continue and save the settings.



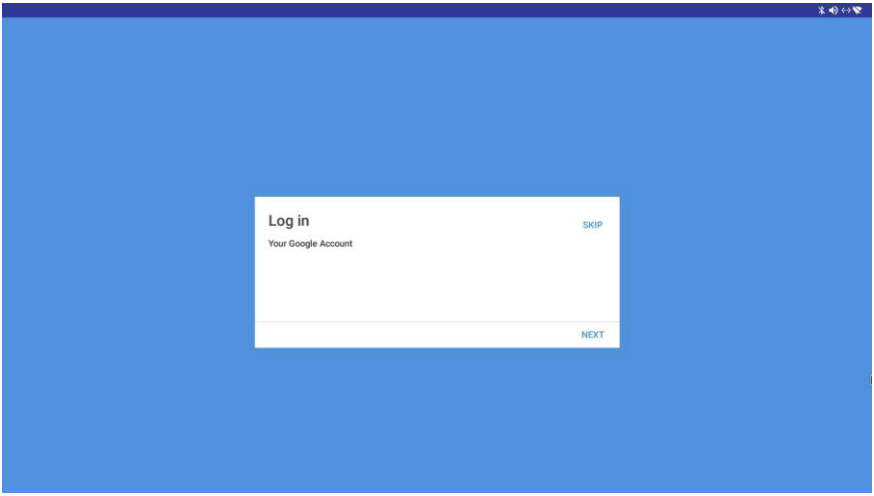
5. **Update FW:** IFP system will check is there new version FW for updating. If there is a new version FW, the update will be performed. No update, the message will show and tap “**NEXT**” to continue.



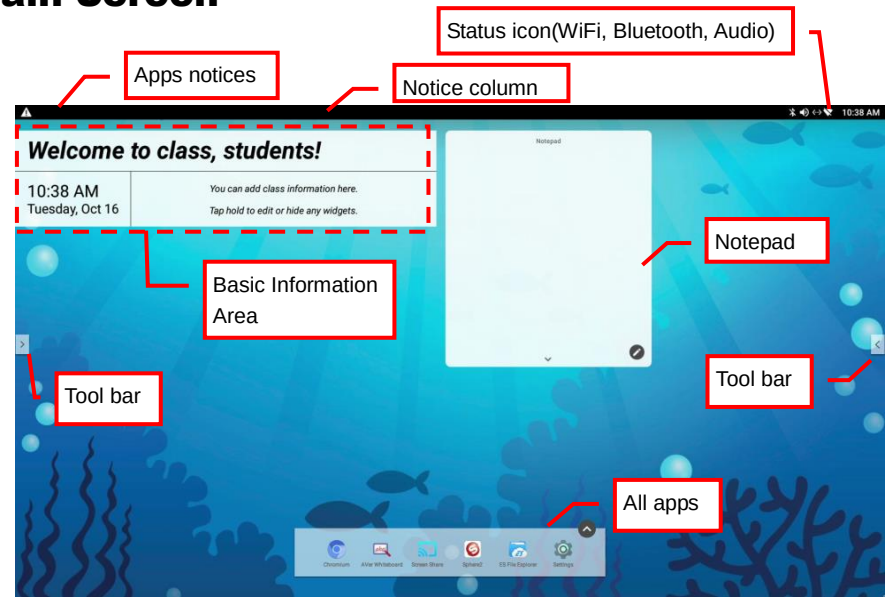
6. **Install Gogole Apps:** Tap”**INSTALL**” to install apps. After installation, the IFP system will restart.



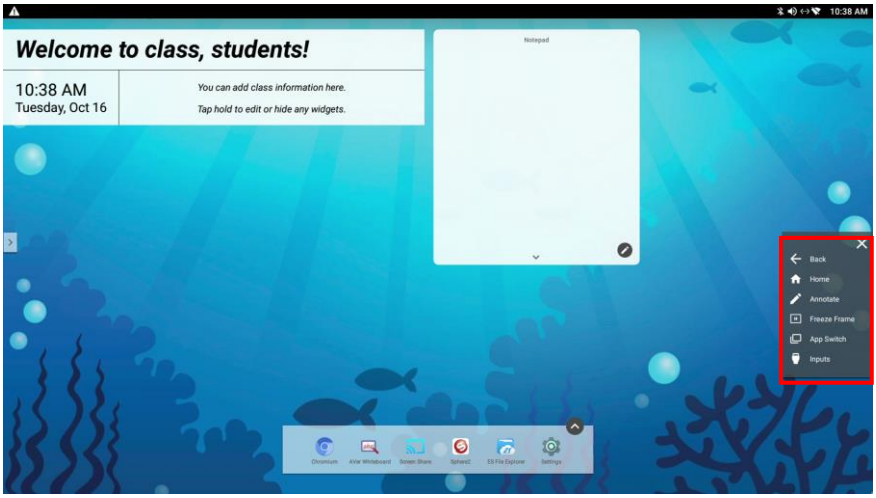
7. **Login:** After restarting, login within your google account. And, the IFP system is ready for using.



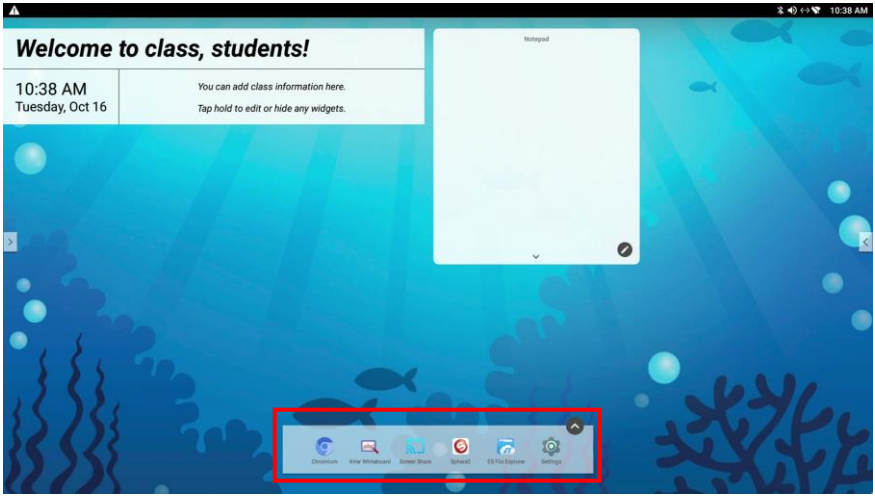
Main Screen



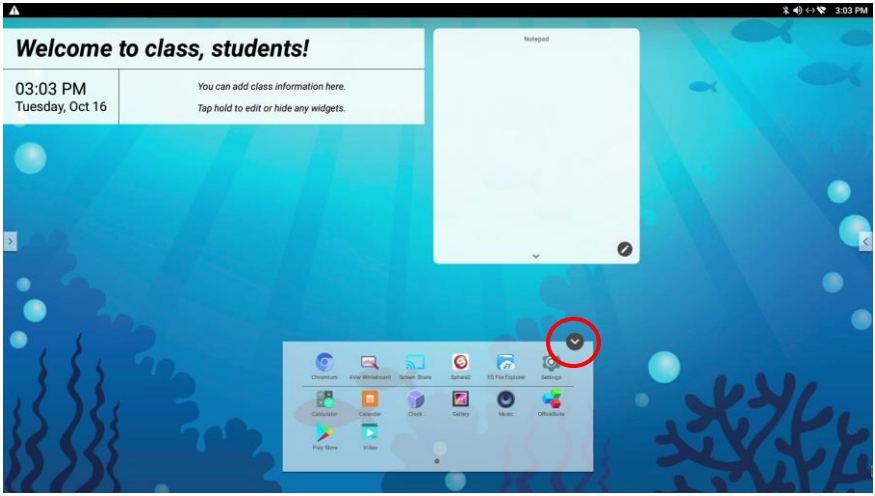
- **Basic Information:** User can define Headline, Secondary Information and Time & Date(Also see Basic Information section).
- **Notepad:** User can write the memos in here (Also see Notepad section).
- **Tool bar:** Select > or < to call out tool bar. Tool bar are include Back, Home, Annotate, App Switch, and Inputs functions (Also see Tool bar section).



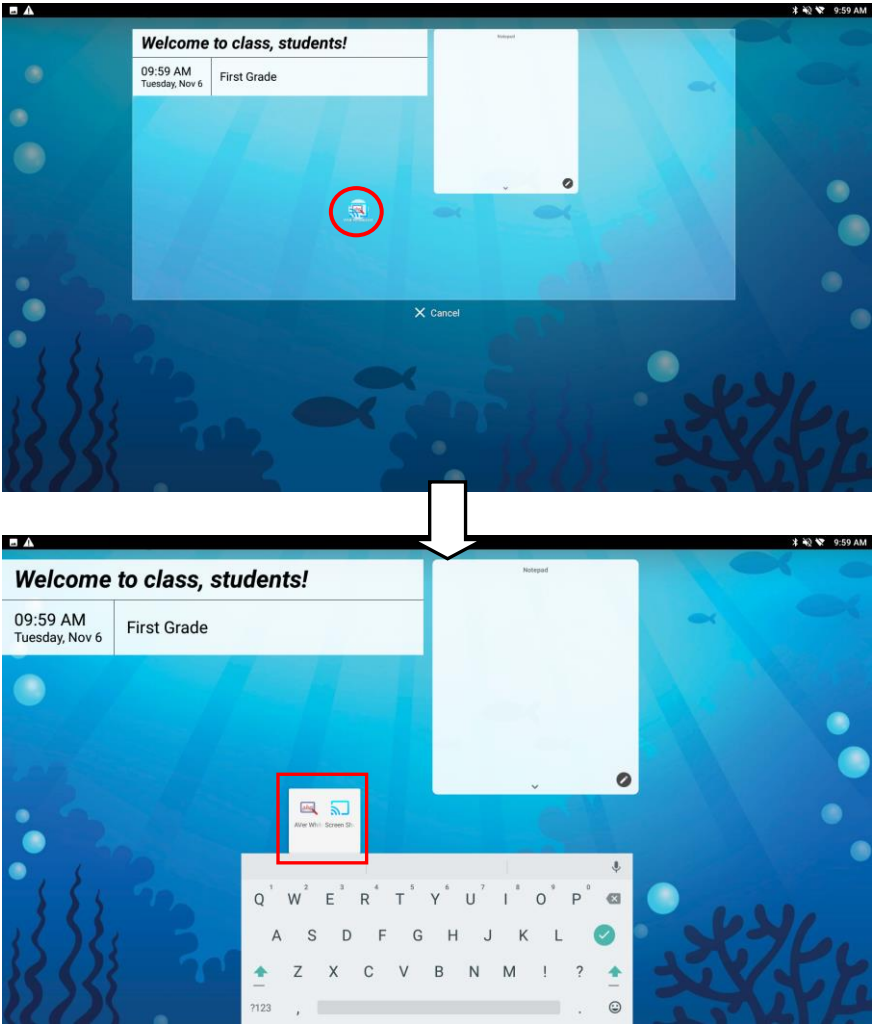
- **All apps:** All application programs in the system are displayed in here. Select to expand app list. Tap and hold on the app can move app's position. If app is installed by user that can be deleted; Tap and hold on the app and an "**x**" will show on app.



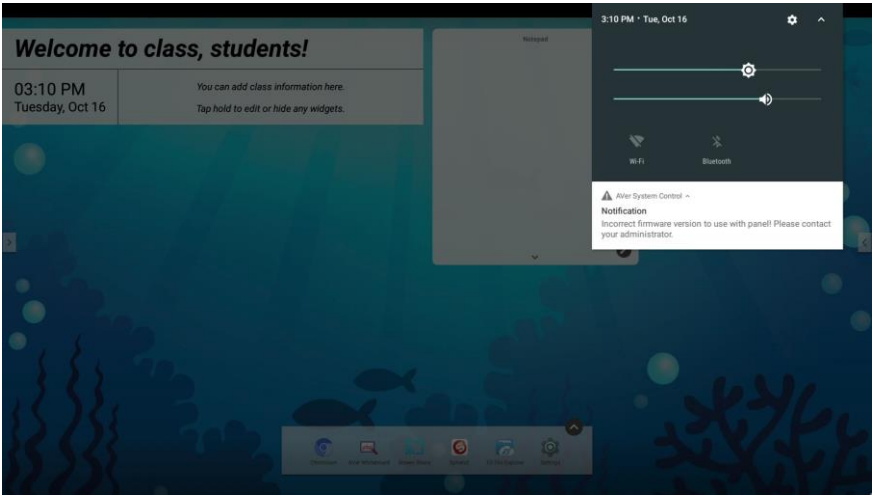
Click to narrow down the app list.



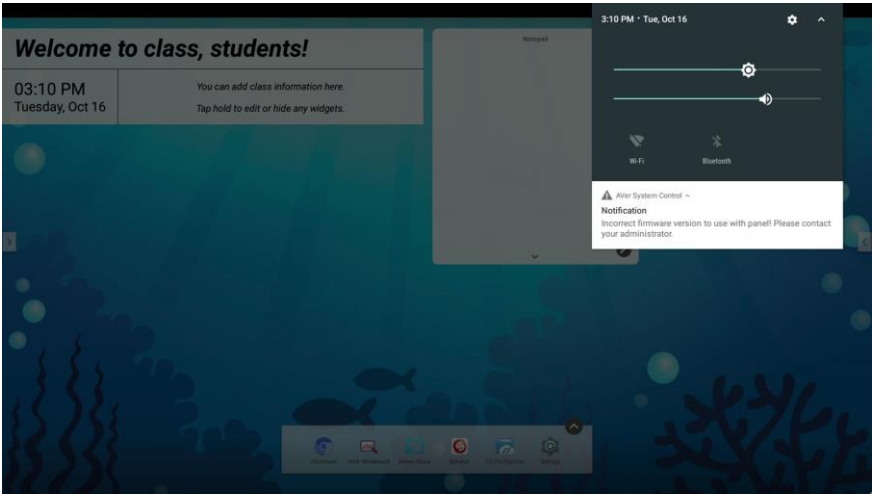
Multiple Apps can create a file folder on the screen. First, move the one app to the screen and move another app over the app. Then, a file folder will be created. The file folder can be re-named as user wants; just select and enter the name.



- **Notice column:** Wipe from top to down the notice column will display. The notice column display the current action that user has done and some reminders. Select "**CLEAR ALL**" will delete all notice in column.

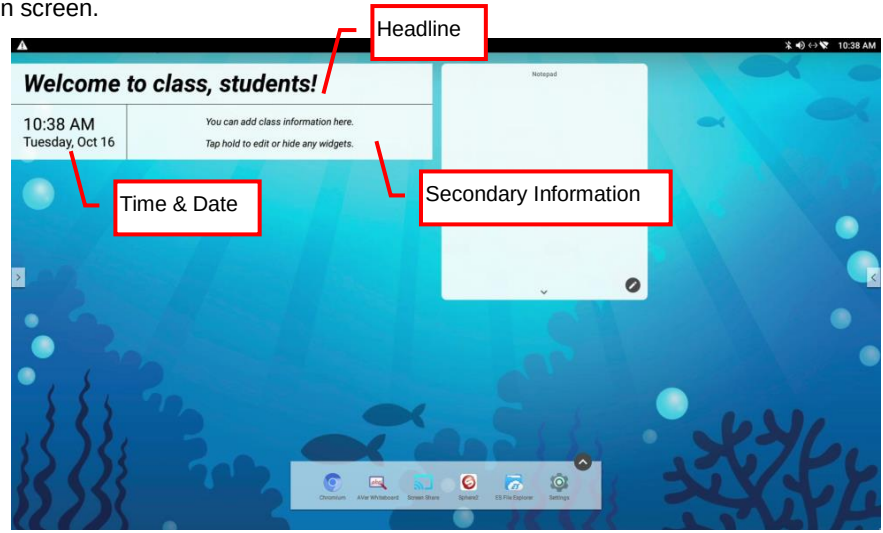


- **Status icon(Bluetooth, WiFi, Audio)**：Tap to display WiFi and Bluetooth status icon. Tap icon can enable/disable the status. Tap "**v**" to expand the column for volume and backlight adjust bar.



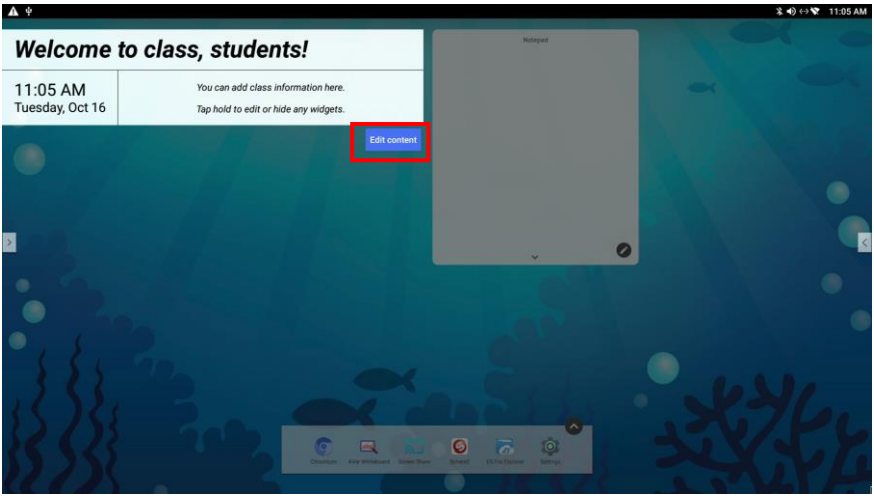
Basic Information

User can define the Headline, Secondary Information, and set Date&Time on/off on the main screen.

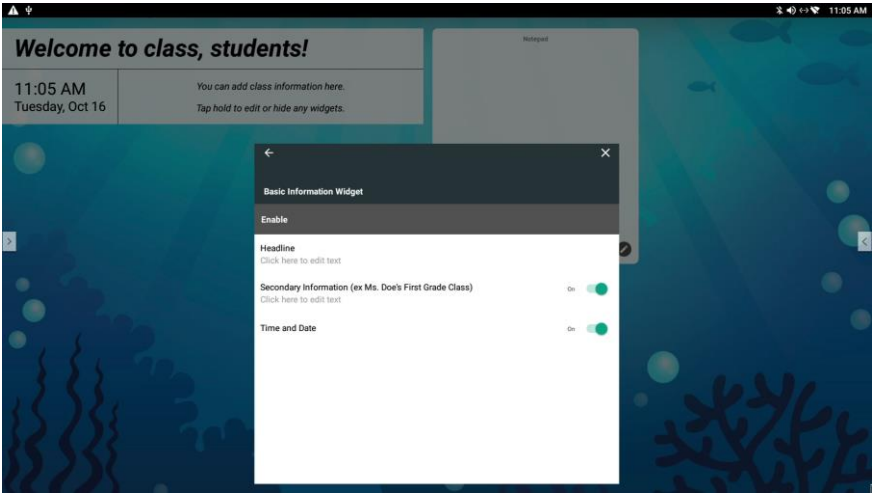


Edit the Basic Information

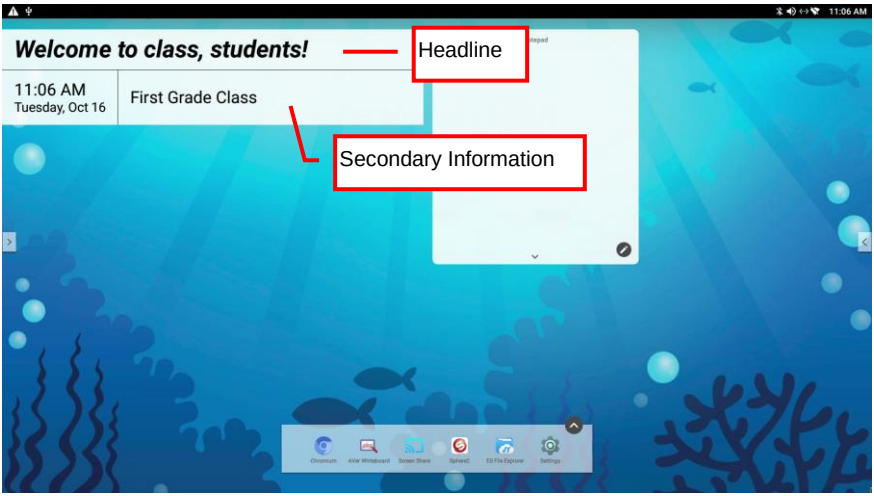
1. Tap and hold the Basic Information to edit.
2. Select “**Edit content**”.



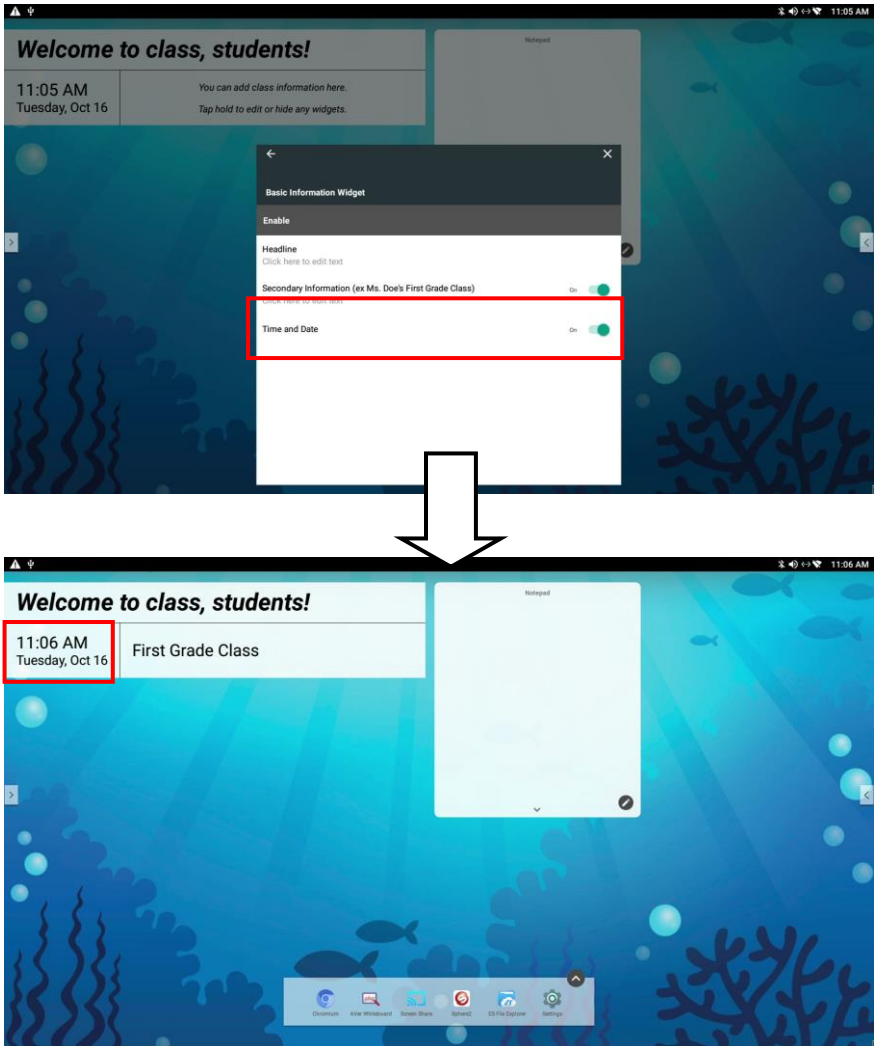
3. In Basic Information dialog, user can select Headline, Secondary Information, and Time and Date to display on main screen or not. Just click to on or off the displaying.



4. **Headline & Secondary Information:** Enter the text to headline and secondary information column. The entered text will display at correspond location.



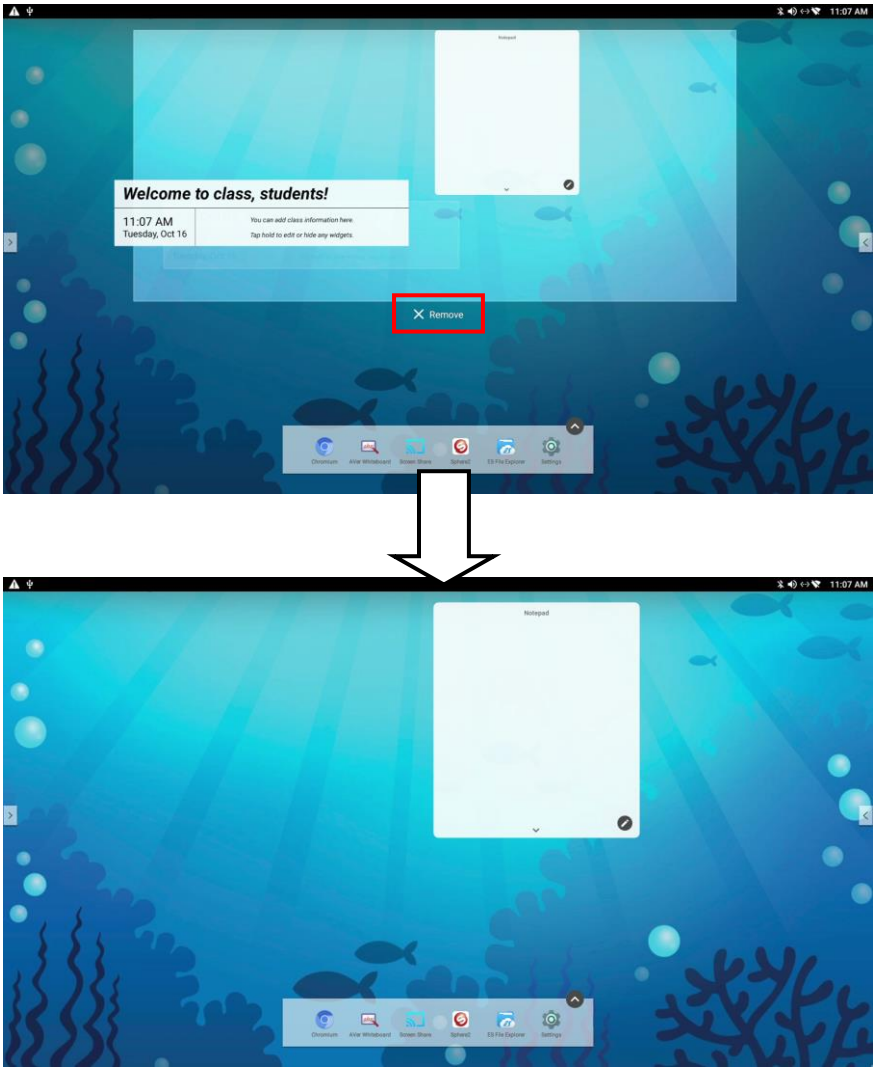
5. **Time and Date:** Set the time and date display on or off.



Disable the Basic Information

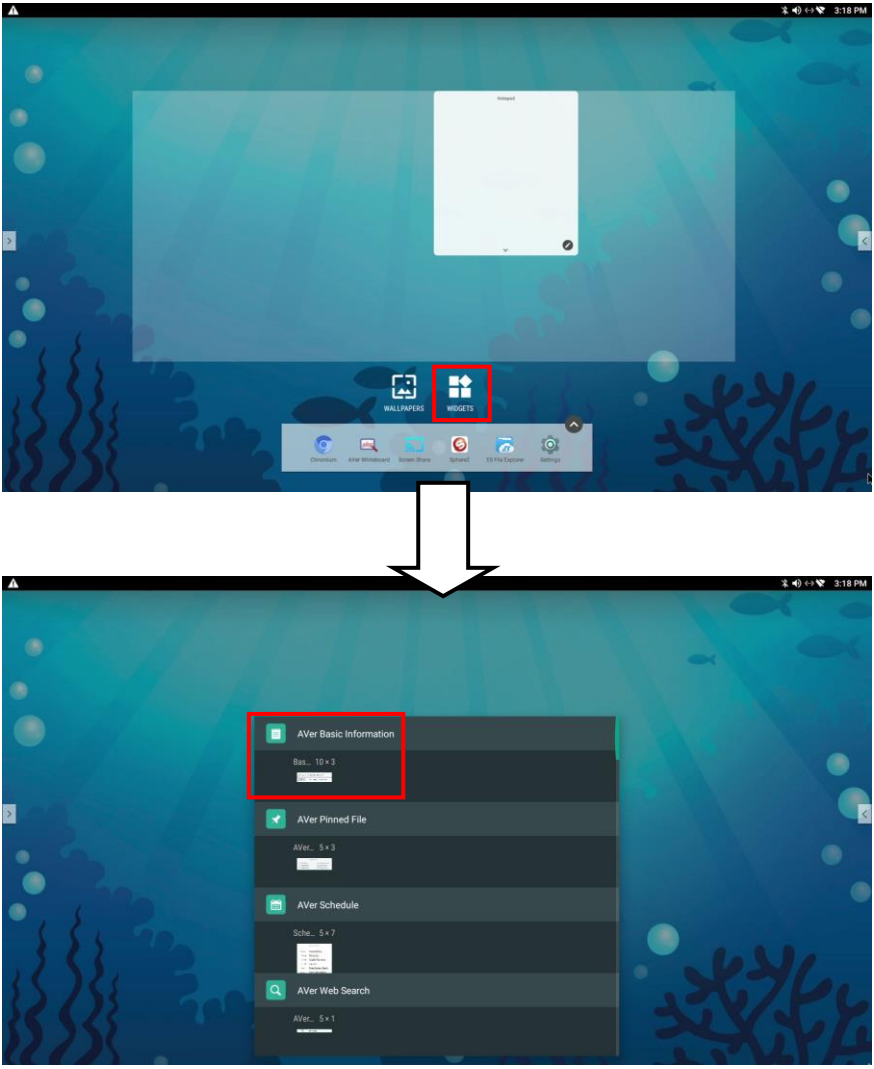
Don’t display the Headline, Secondary information and Time & Date on the main screen.

1. Tap and hold the Basic Information until the “**Remove**” option is shown.
2. Move the Basic Information to the “**Remove**” option. Then, the Basic Information will be disappeared from the main screen.



Enable Basic Information

1. Tap and hold the screen until the “**Widgets**” option is shown.
2. Select “**Widgets**” and select and drag the “**AVer Basic Information**” to the screen.

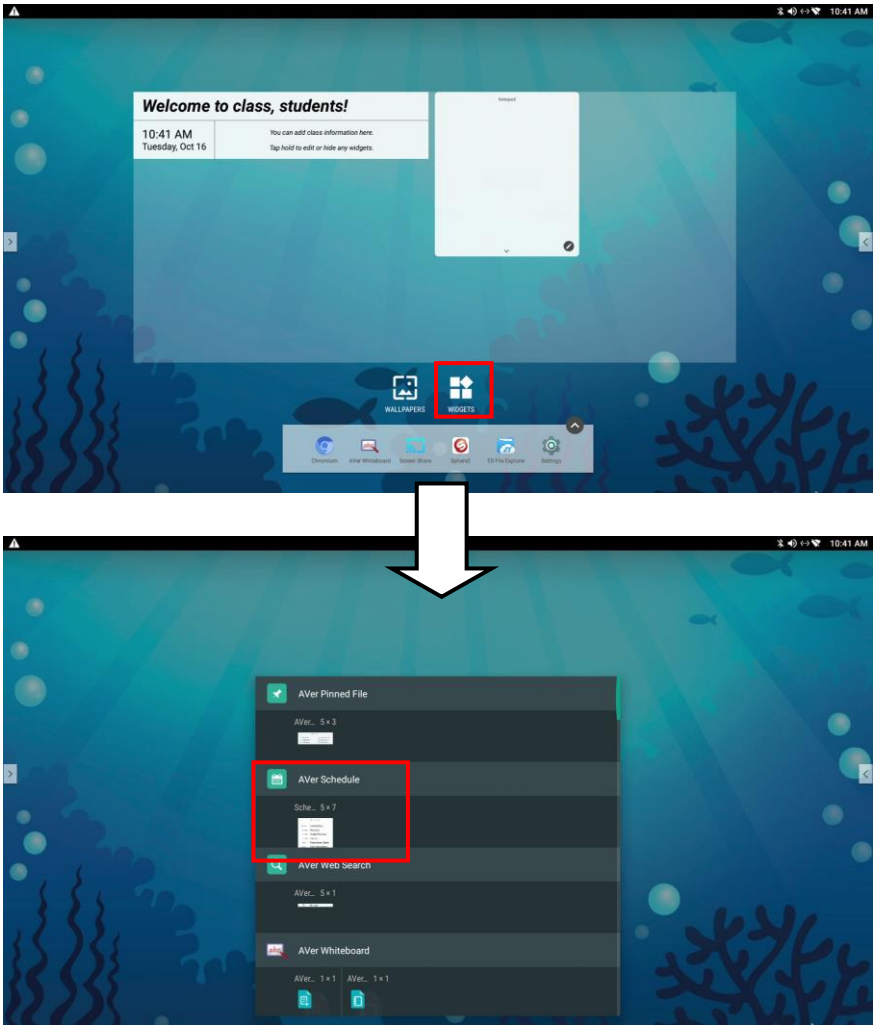


Schedule

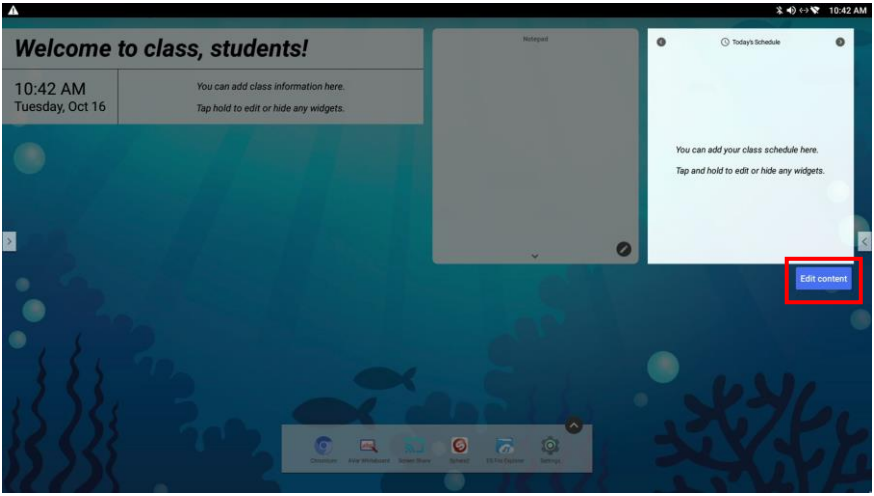
User can set the class time to remind. The in time class will be in **bold text**. The schedule only display "**Today**" schedule. To view other schedule page, tap and to switch it.

Edit the Schedule

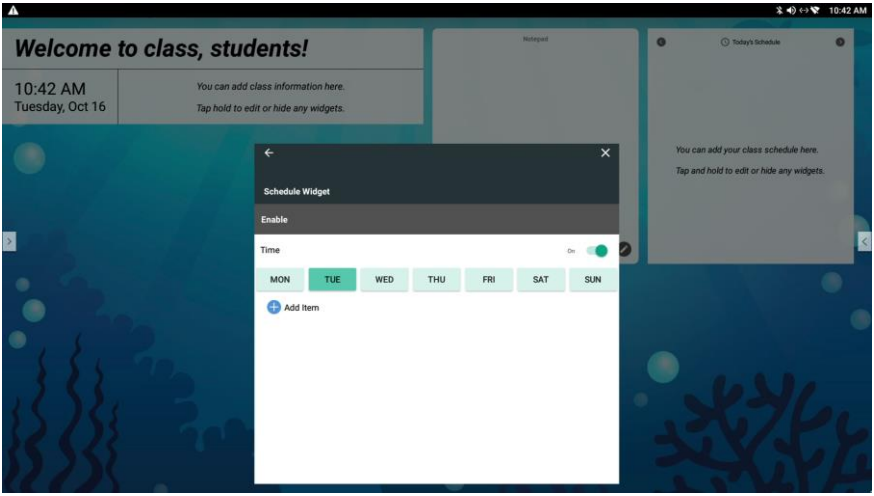
1. Tap and hold the screen until the "**Widgets**" option is shown.
2. Select "**Widgets**" and select and drag the "**AVer Schedule**" to the main screen.



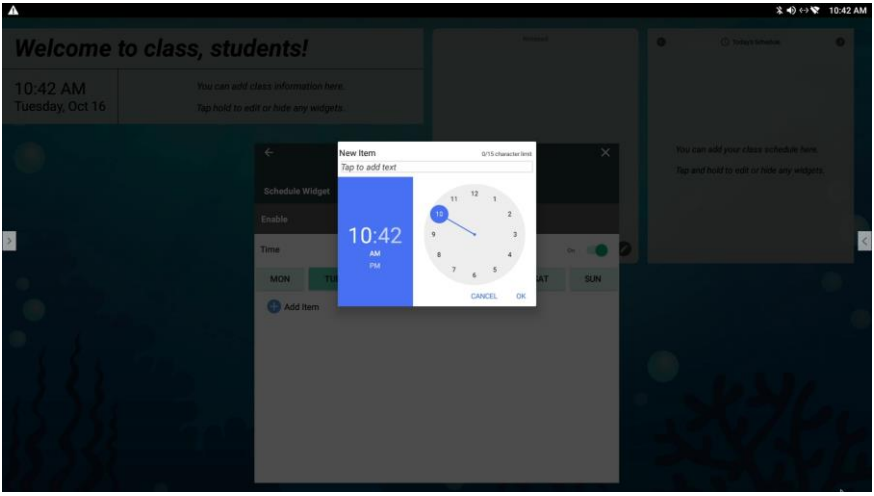
3. Tap and hold the Schedule to edit.
4. Select “**Edit content**”.



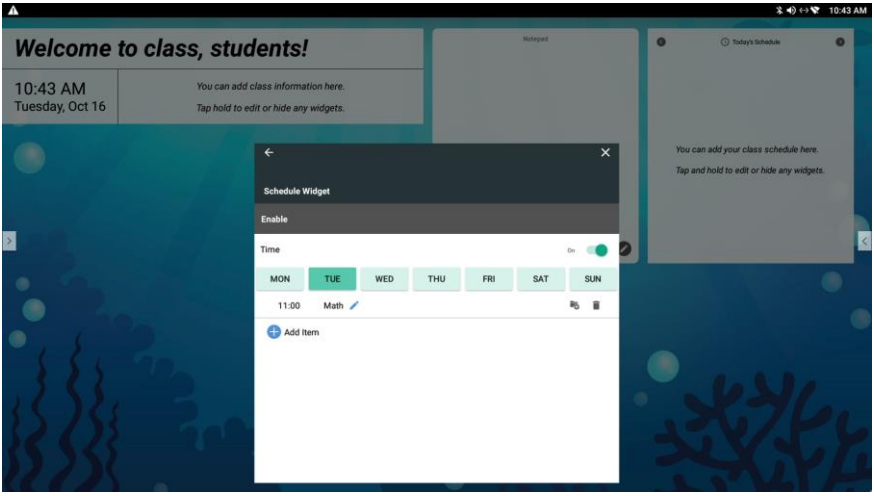
5. Select the day (Mon ~ Sun).



6. Select “**Add item**”. Then, enter the name for the schedule (ex. Math).
7. Next, select the “**Hour**” and “**AM/PM**”.
8. Then, select the “**Minute**” and click “**OK**” to save the settings.

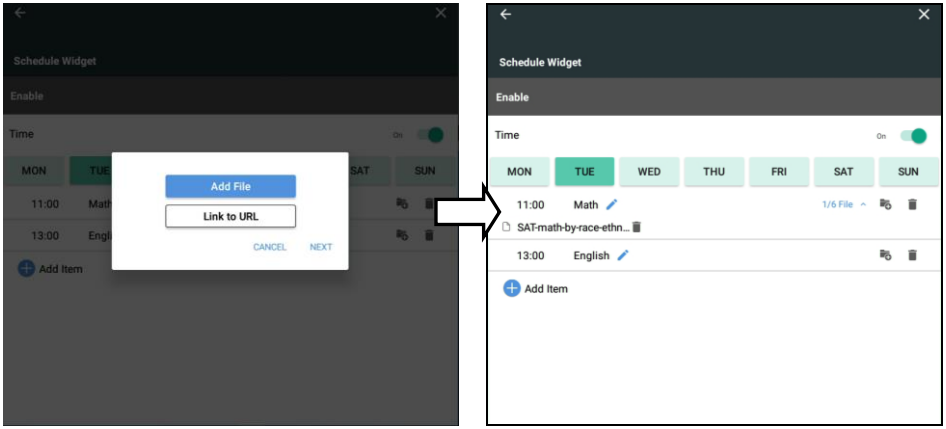


9. A schedule will show in list.

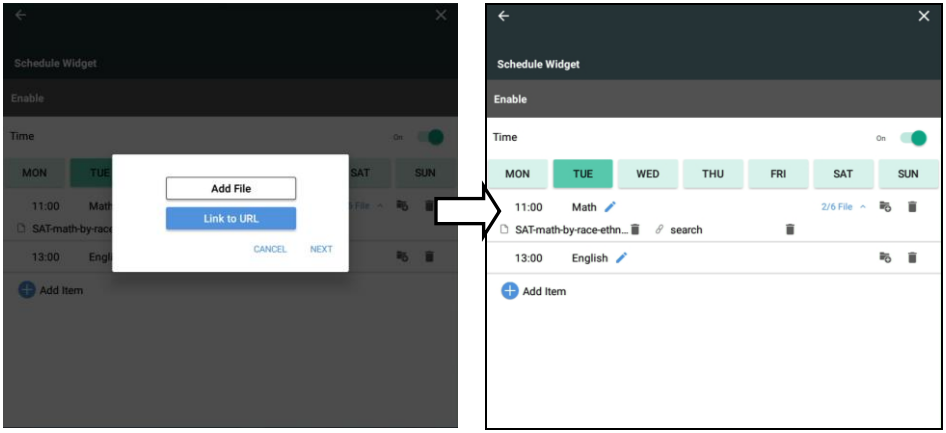


10. User can add file and URL link for the schedule. Select “ ” to add file or URL link.

- **Add File:** Select “ ” > **Add File** and select the file. The added file will be listed under the schedule. Select “ ” can delete the file.

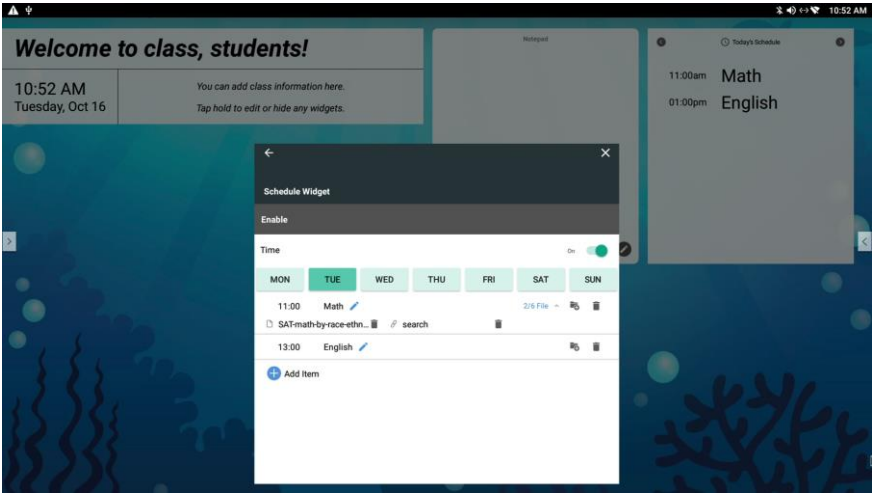


- **Link to URL:** Select “ ” > **Link to URL** and enter the URL (ex: www.google.com) and the name of the URL. The added URL will be listed under the schedule. Select “ ” can delete the file.



11. User can delete the schedule by clicking icon.

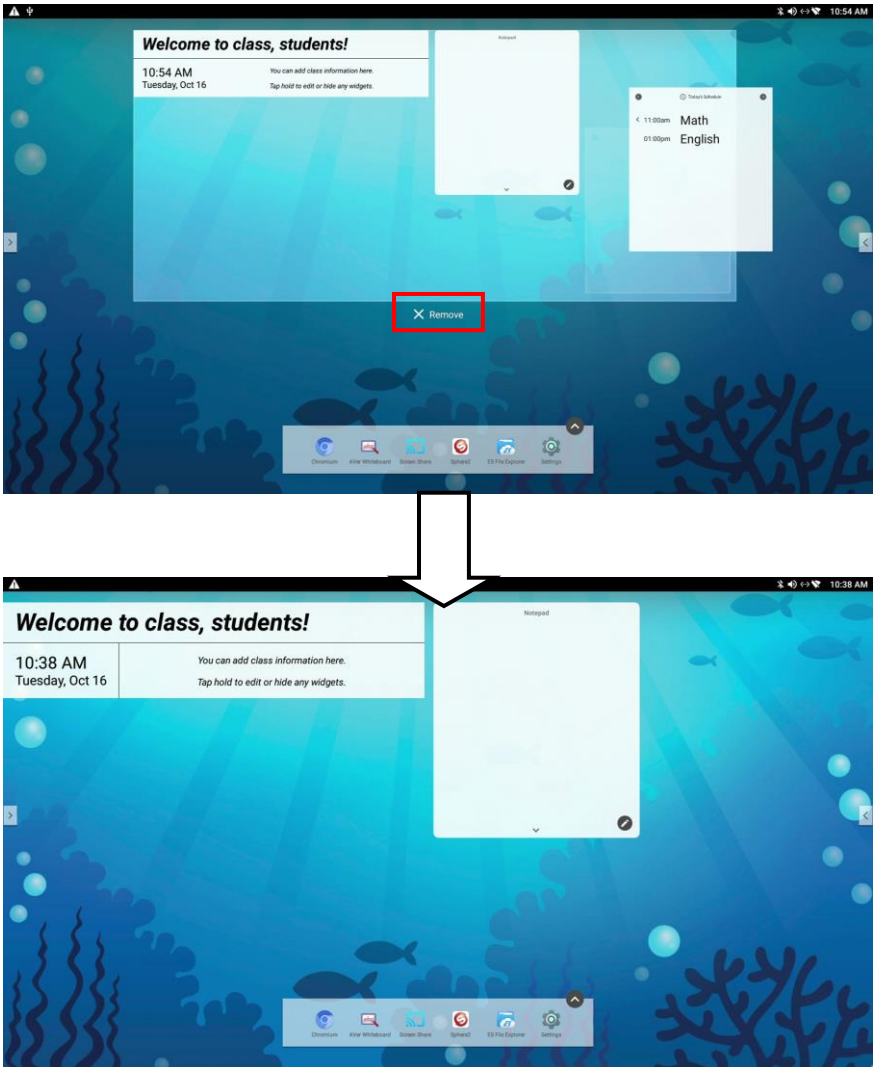
12. To add more schedules, repeat above steps.



Disable the Schedule

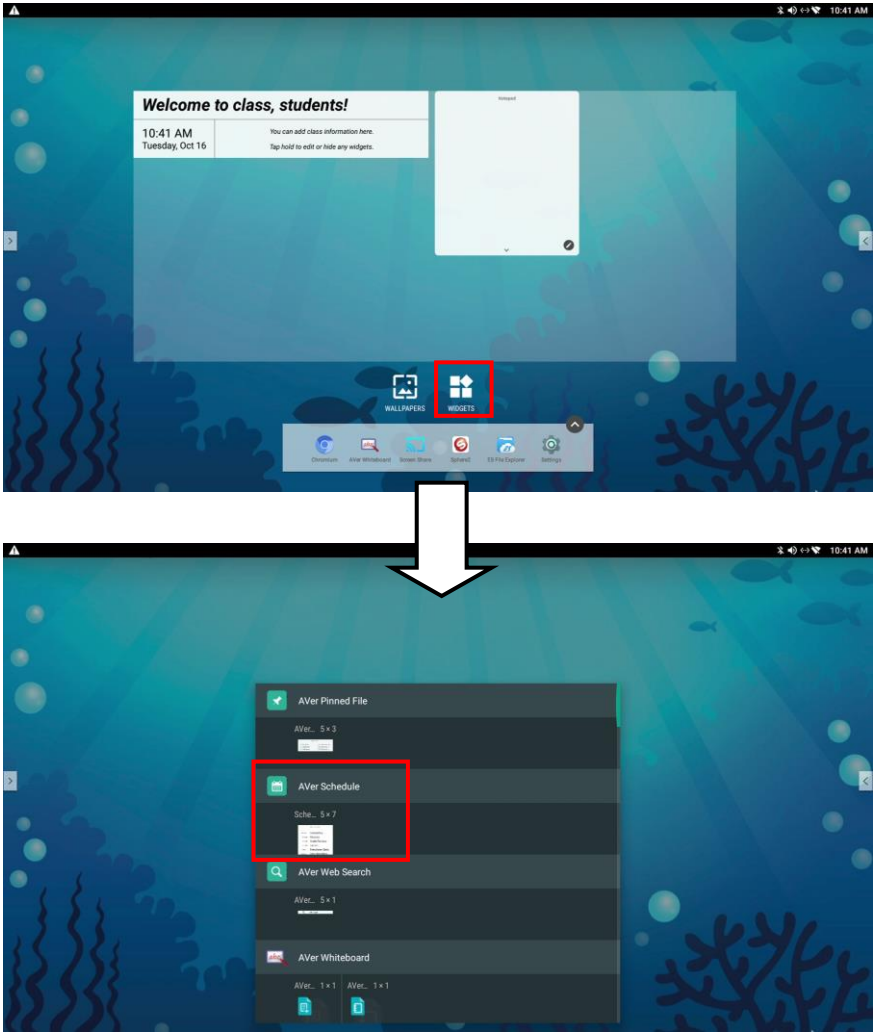
Don’t display the Schedule on the main screen.

1. Tap and hold the Schedule until the “**Remove**” option is shown.
2. Move the Schedule to the “**Remove**” option. Then, the Schedule will be disappeared from the main screen.



Enable the Schedule

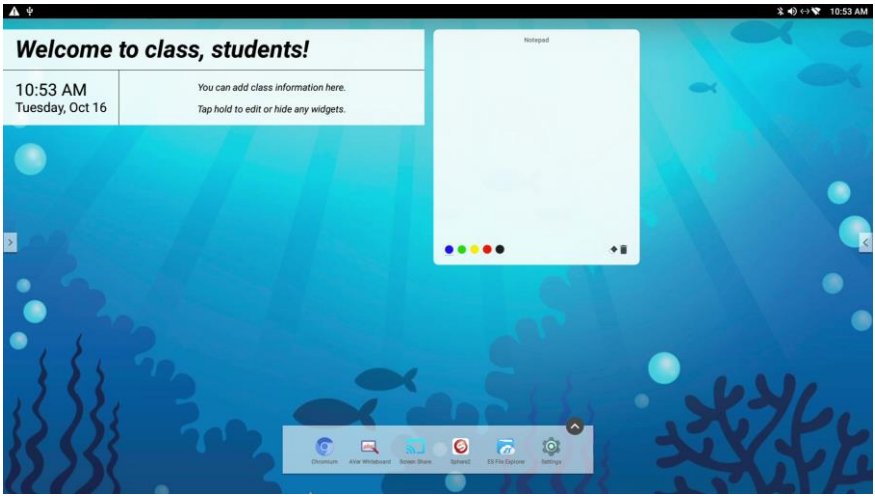
1. Tap and hold screen until the “**Widgets**” option is shown.
2. Select “**Widgets**” and select and drag the “**AVer Schedule**” to the screen.



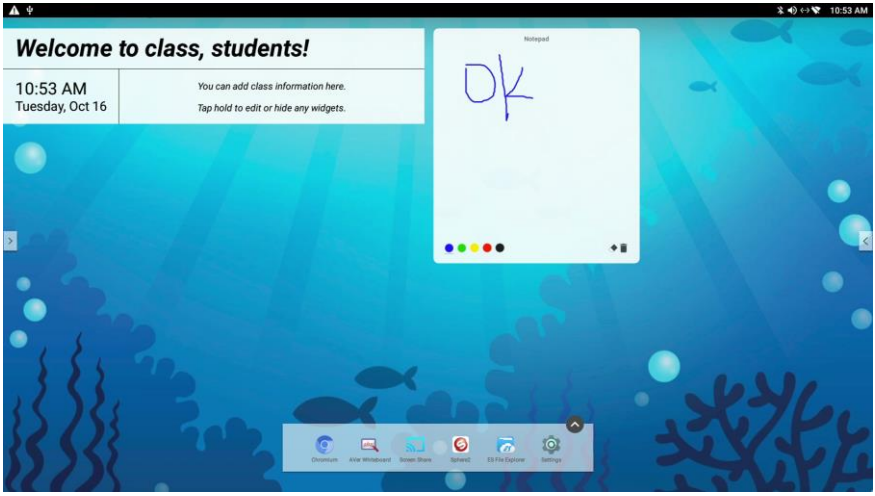
Notepad

User can write memos on the notepad.

1. Tap “ ” switch to edit mode.



2. Select the color and write on the notepad. For partial deletion, select “ ”. To delete all, select “ ”.

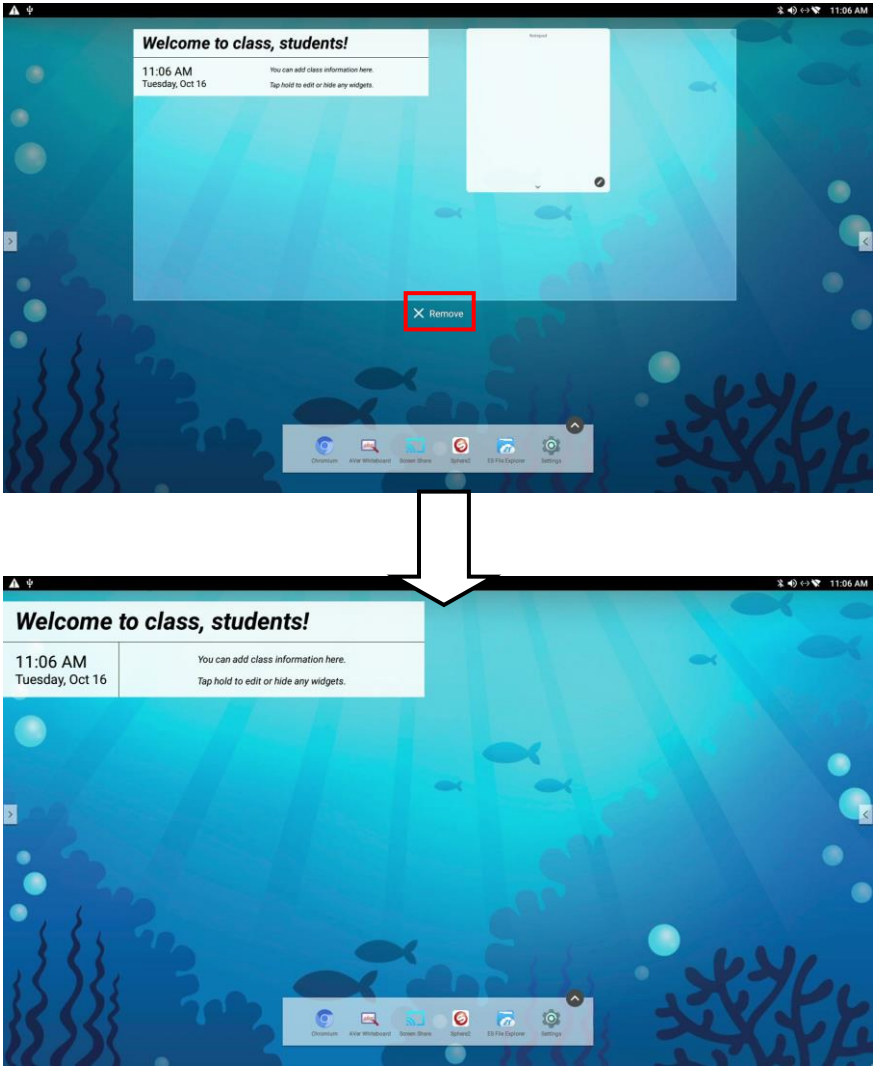


3. Tap “**v**” can expand more space. Then, select” ” switch to edit mode.

Disable the Notepad

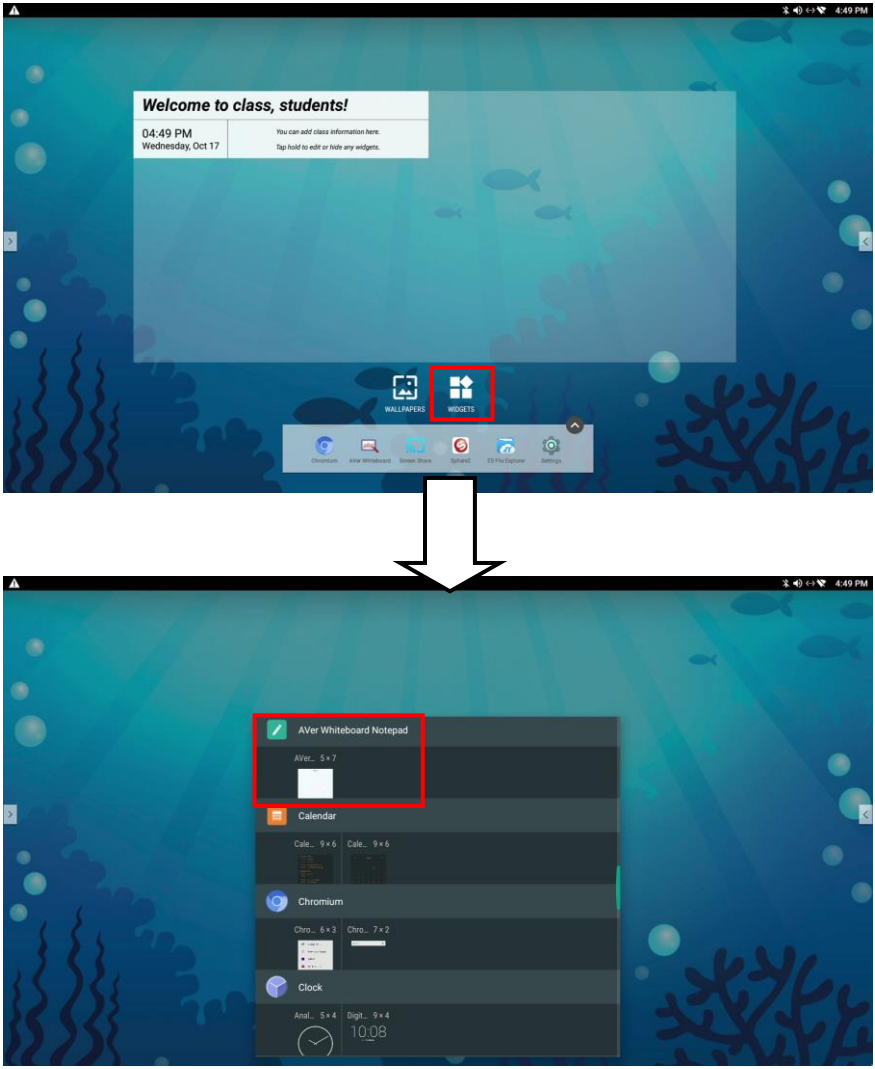
Don’t display the Notepad on the main screen.

1. Tap and hold the Notepad until the “**Remove**” option is shown.
2. Move the Notepad to the “**Remove**” option. Then, the Notepad will be disappeared from the main screen.



Enable the Notepad

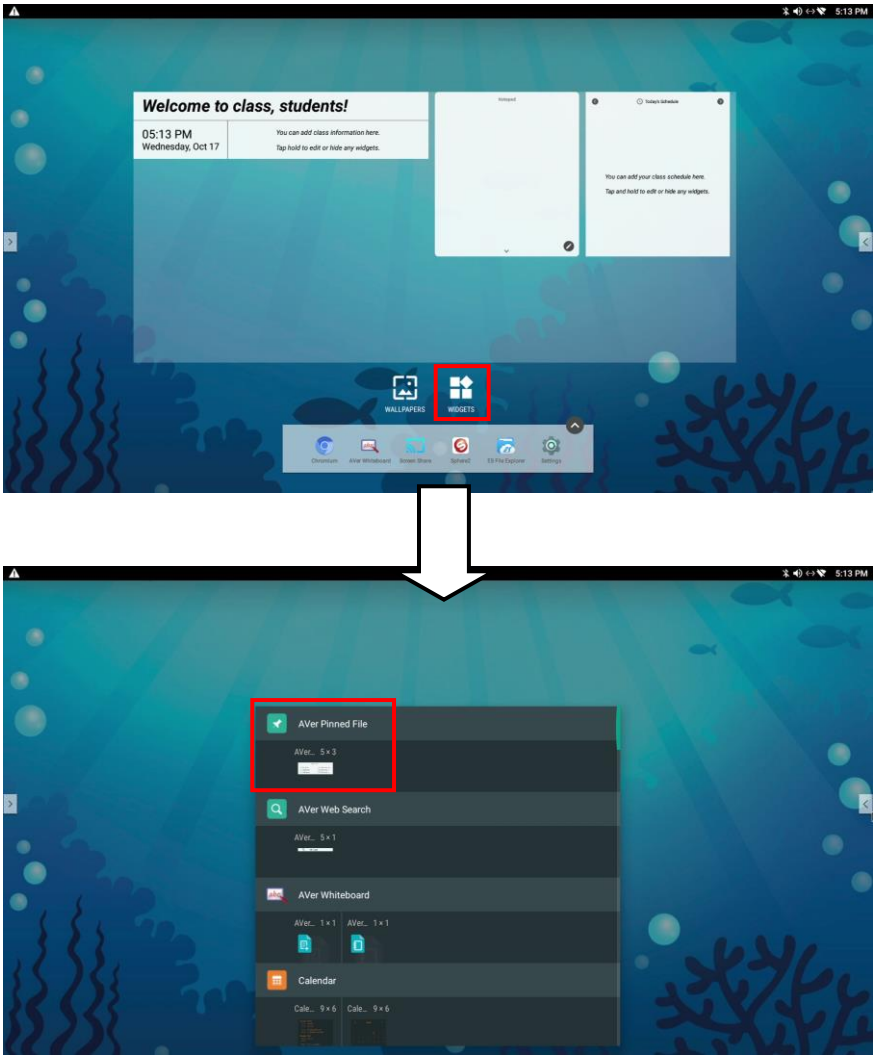
1. Tap and hold the screen until the “**Widgets**” option is shown.
2. Select “**Widgets**” and select and drag the “**AVer Whiteboard Notepad**” to the main screen.



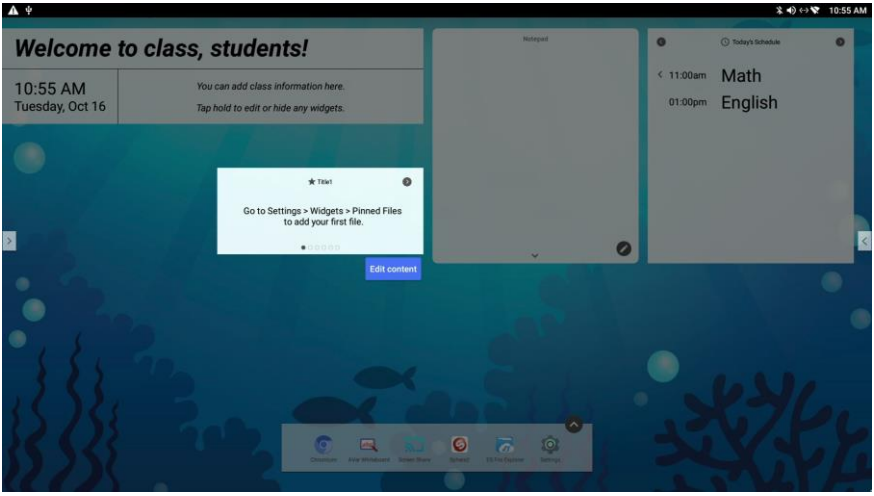
Pinned File

Put the favorite files and links for easily accessing.

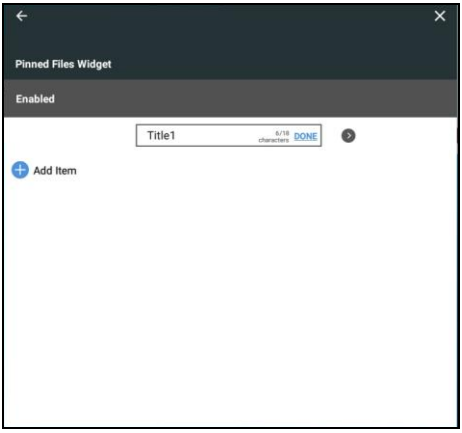
1. Tap and hold the screen until the “**Widgets**” option is shown.
2. Select “**Widgets**” and select and drag the “**AVer Pinned File**” to the main screen.



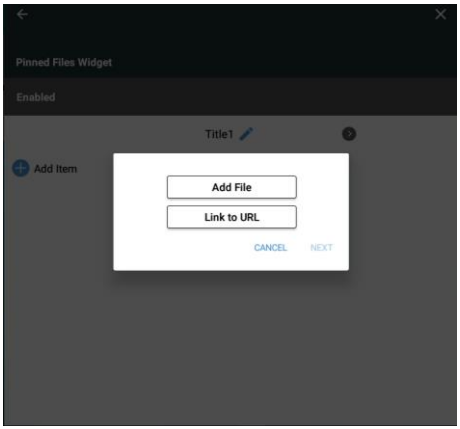
3. Tap and hold the Pinned File to edit.
4. Select the “**Edit content**”.



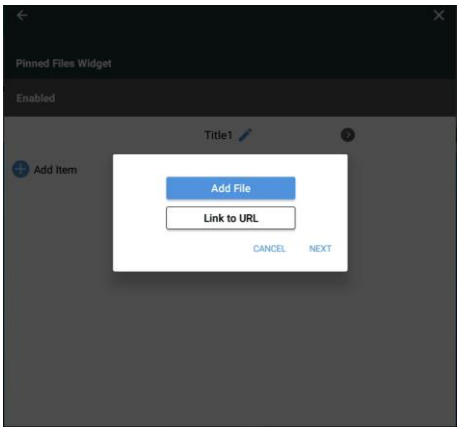
5. Select “ ” can re-name the page of Pinned file. After enter the name, select “**Done**” to save. The maximum length is 18 characters. Total is 6 Pinned File pages, select and to switch it.

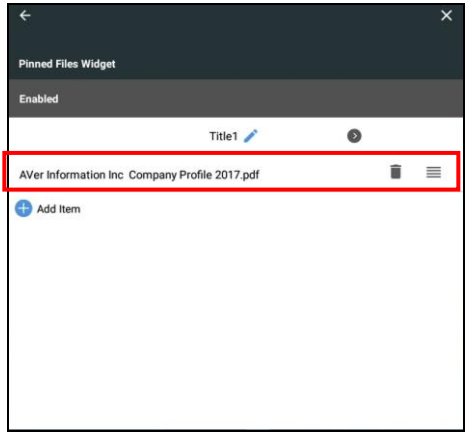


6. Select “**Add Item**” to add file or URL link.

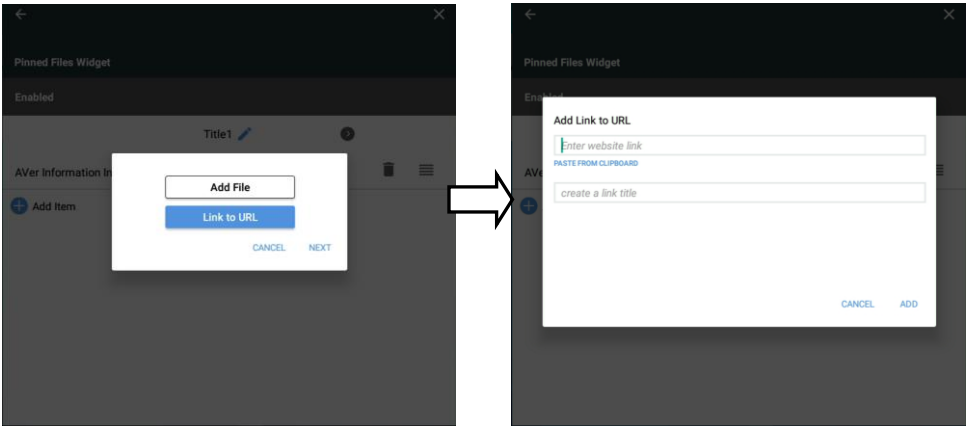


- **Add File:** Select **Add Item** > **Add File** and select the file.
  The added file will be listed on the Pinned File page. To delete, select “ ”. To change the order, tap and hold the “ ” to move.

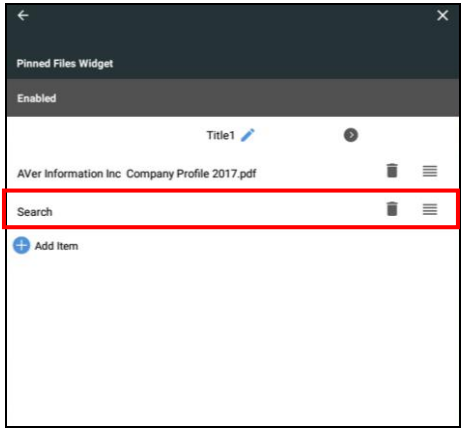




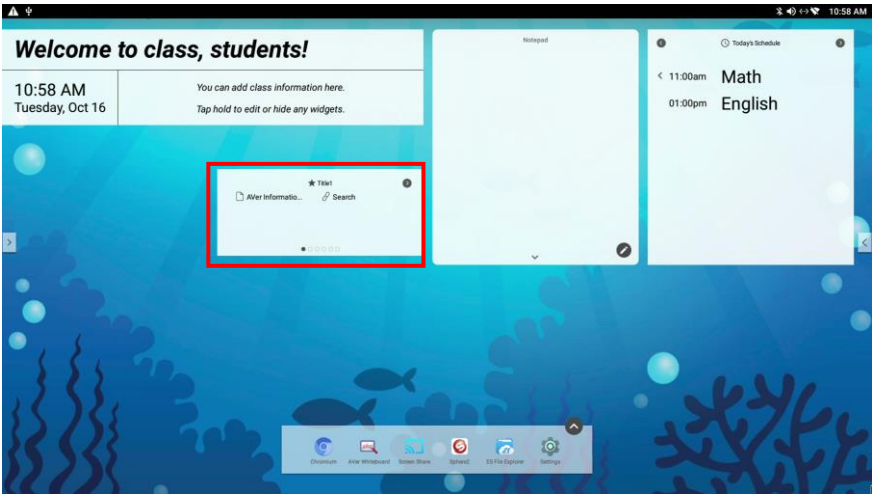
- **Link to URL:** Select **Add Item** > **Link to URL** and enter the URL (ex: www.google.com) and the name of the URL.



The added URL will be listed on the Pinned File page. Select " " can delete the file.



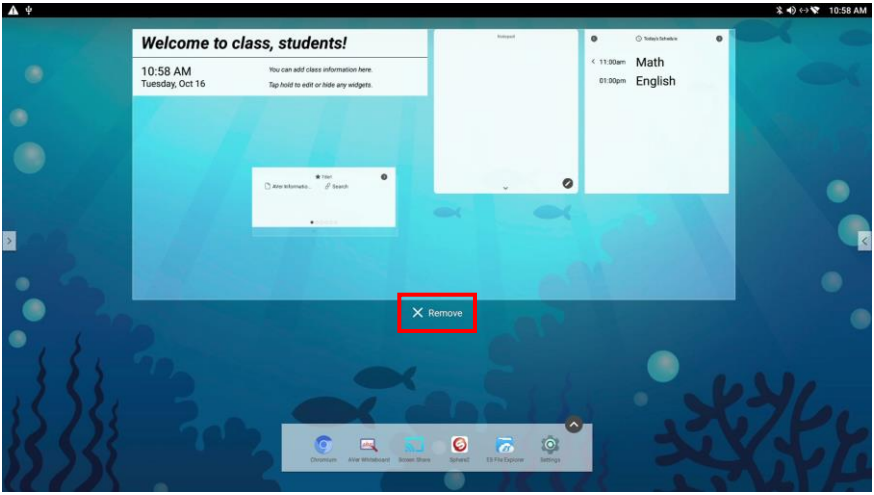
7. After the setup finished, select “**X**” to exit the page. User should see the added file and URL link on the Pinned File page. Tap file or URL link will open the file or the Web page. Select and can switch to different Pinned File page.



Disable the Pinned Fie

Don’t display the Pinned File on the main screen.

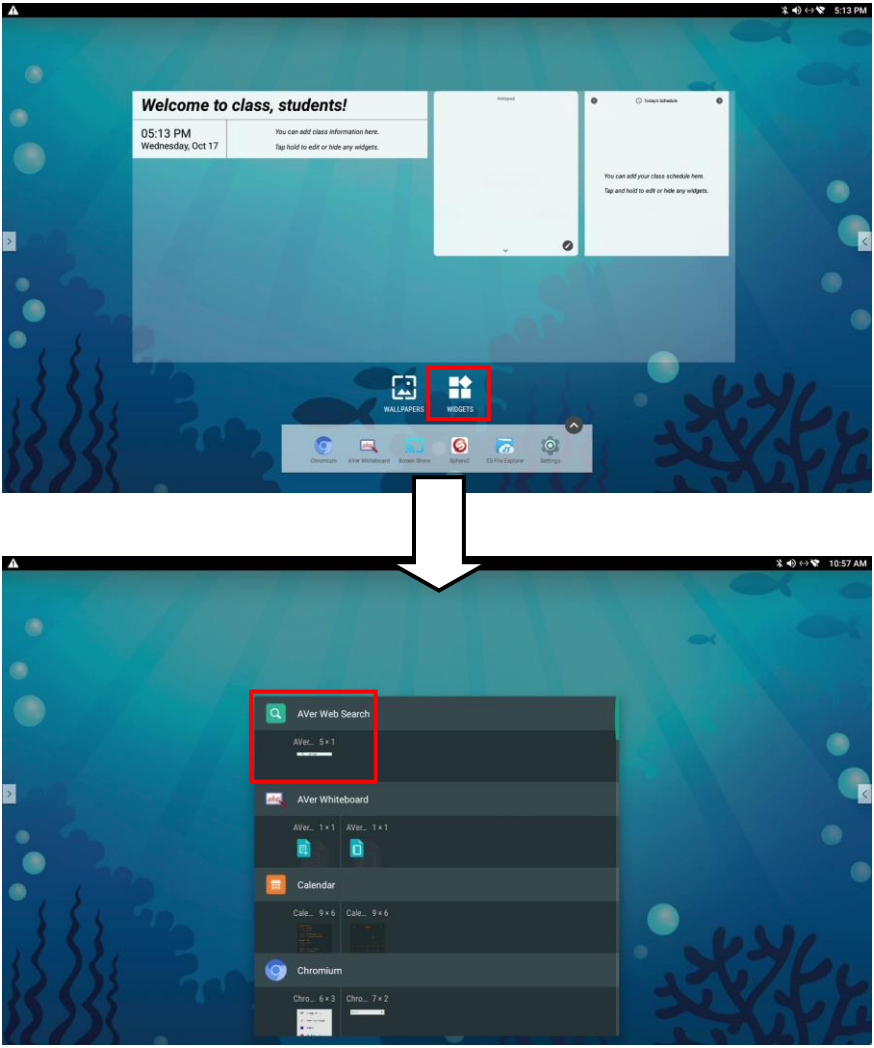
1. Tap and hold on the Pinned File until the “**Remove**” option is shown.
2. Move the Pinned File to the “**Remove**” option. Then, the Pinned File will be disappeared from the screen.



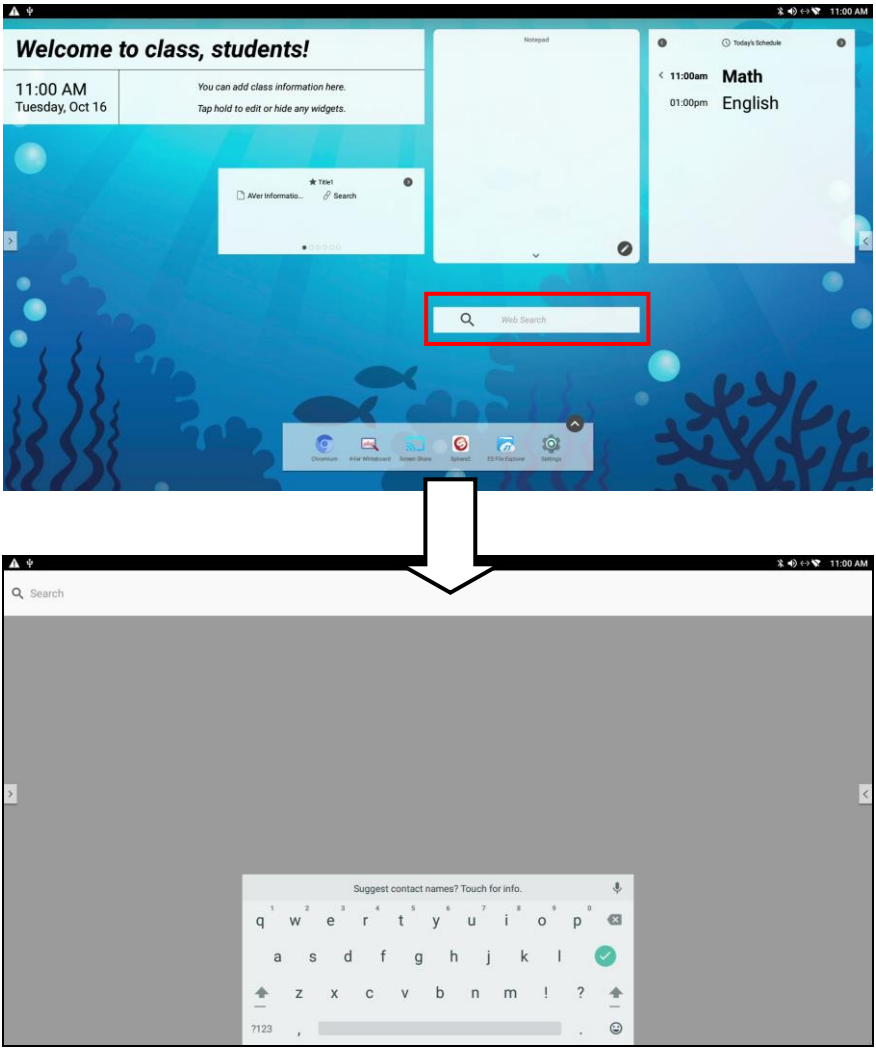
Web Search

Enter key word to search on the web.

1. Tap and hold the screen until the “**Widgets**” option is shown.
2. Select “**Widgets**” and select and drag the “**AVer Web Search**” to the main screen.



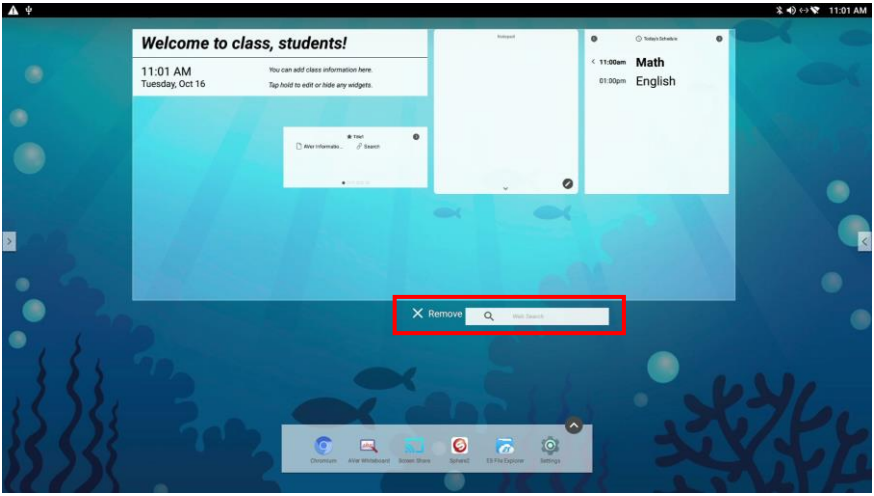
3. Enter the key word or URL to search.



Disable the Web Search

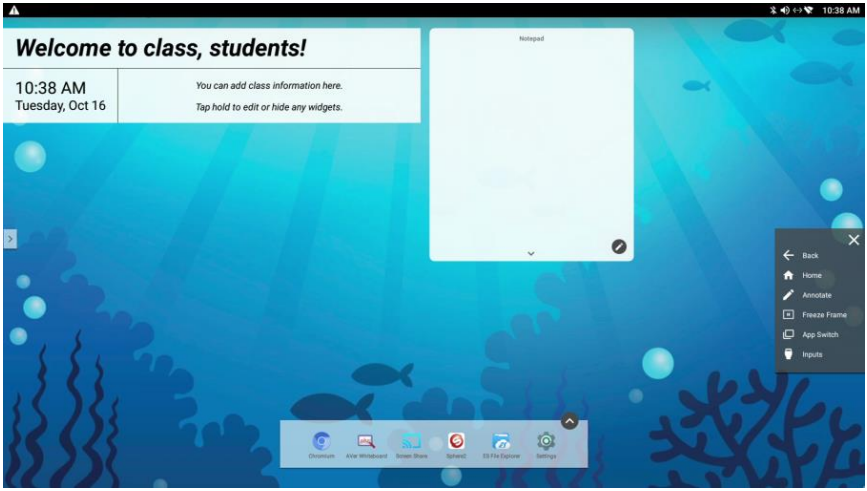
Don’t display the Web Search on the main screen.

1. Tap and hold on the Web Search until the “**Remove**” option is shown.
2. Move the Web Search to the “**Remove**” option. Then, the Web Search will be disappeared from the screen.

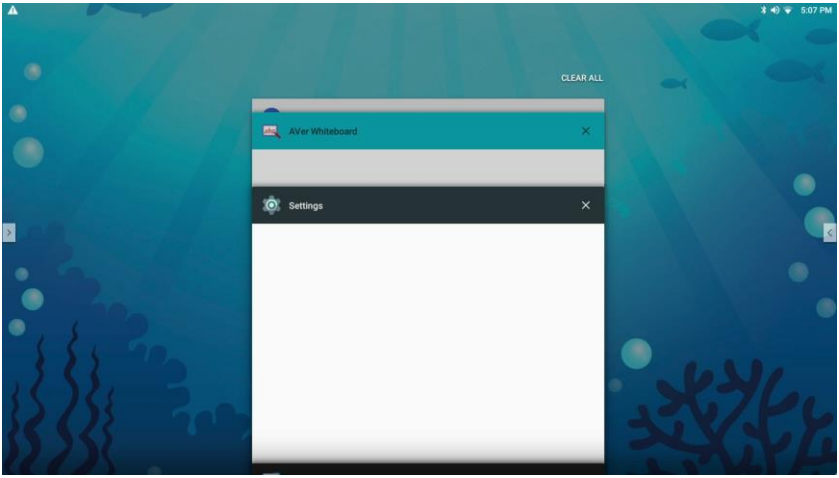


Toolbar

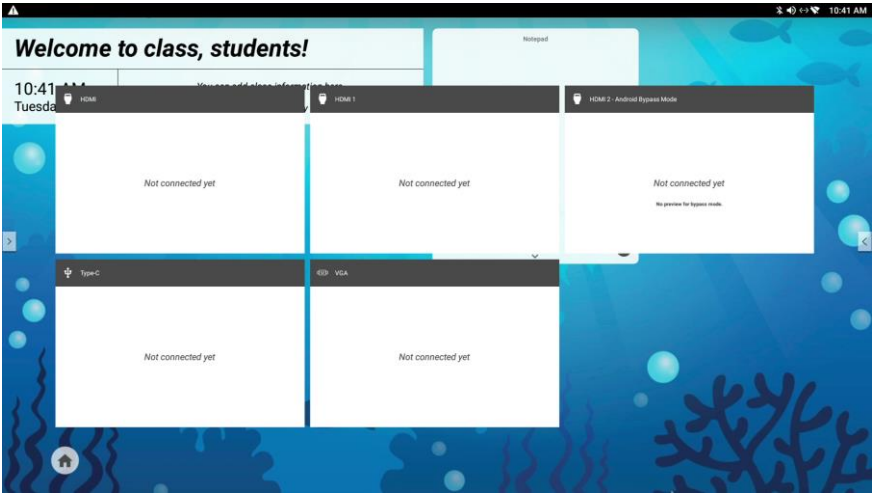
The toolbar is located at both of the screen, tap or on the both side of screen to call out the tool bar. Tap” X” to hide the tool bar.



- **Back:** Back to previous screen.
- **Home:** Return to main screen.
- **Annotate**: Call out the annotation tool (Also see Annotation Tool section).
- **Freeze Frame**: Whine in freeze status, user can operate the power menu and annotation function. To un-freeze, tap “Un Freeze” from toolbar.
- **App Switch:** View recent running programs, switch to one of running program, and close the running programs.



- **Inputs:** Select the input source which devices are connected with the AVer CP3 system through HDMI, VGA, and Type C interface.



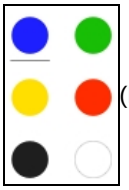
Annotation Tool

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

Select **<** or **>** on the main screen, then, select

to call out annotation tool.

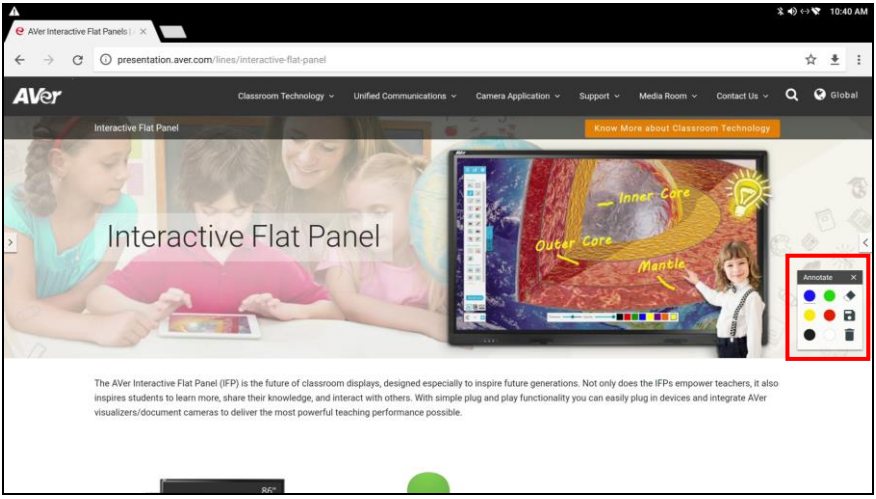
(Eraser): Clear the annotation on the screen.

 (Pen color): User can select the color and draw/write on the screen.

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

(Exit): Close the annotation tool.

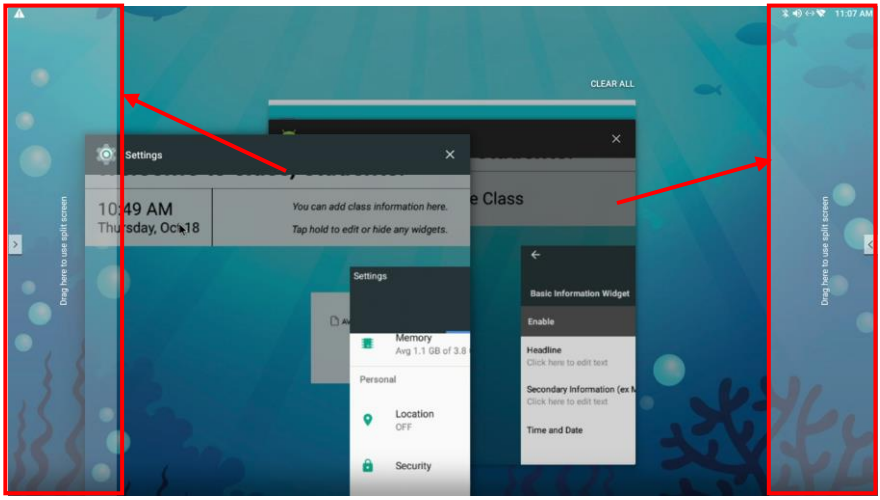
(Clear): Clear all annotations on the screen.



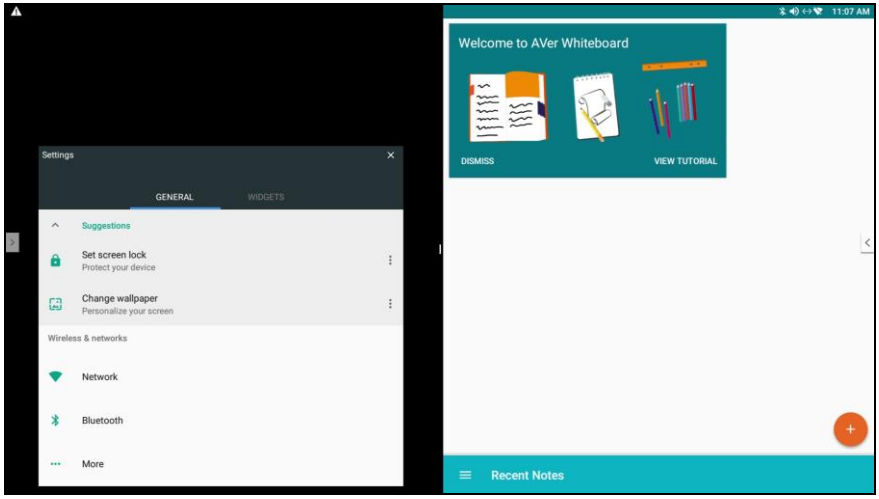
Split-Screen Mode

The IFP system supports 2 split screens display.

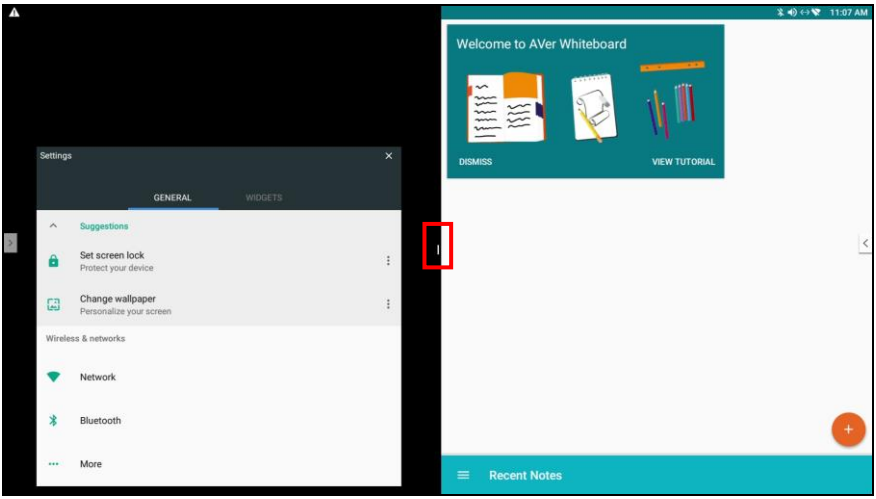
1. Select “**App Switch**” from Tool bar.
2. Tap the one app and hold, then, move to the side of screen (left or right) to switch to split-screen mode. Also, user can select input source to display in split-screen mode, too.



3. In split-screen mode, left screen is fixed display, right screen is replaceable that user can switch another app/input source to display on the screen.



4. The split screen can adjust size by touch the edge of split screen and move to left of right side.



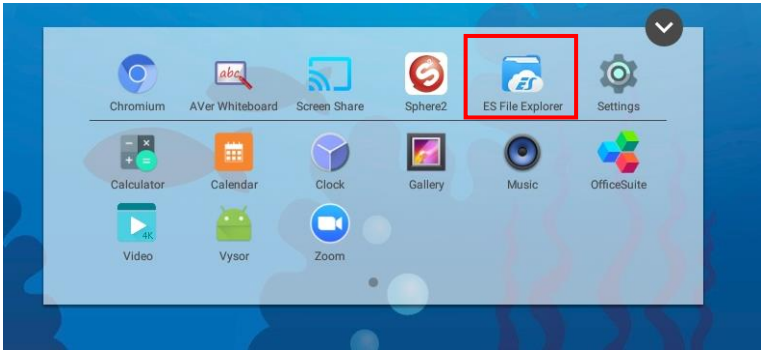
5. To return to normal screen display, touch the edge of split screen and move the way down to left or right side.

Cloud Storage

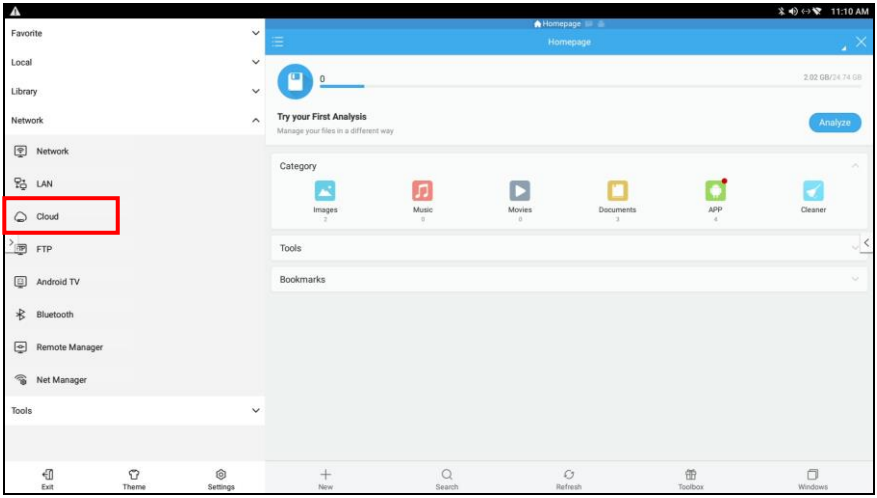
Create the google drive on IFP for file accessing and storage.

Build an Account

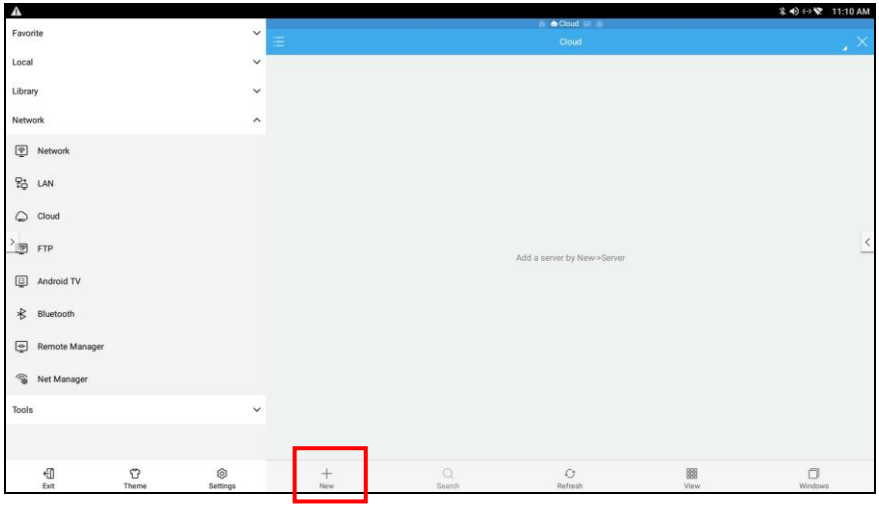
1. Open the ES file explorer from All apps on the main screen.



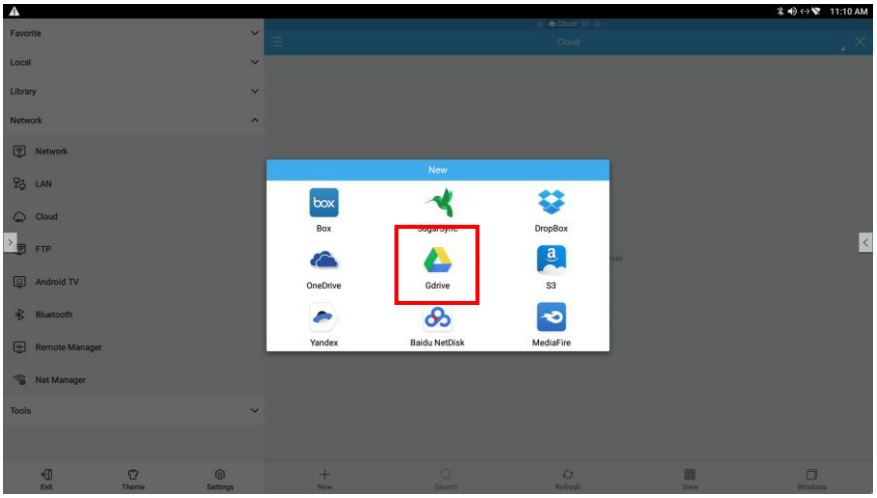
2. In ES file explorer screen, select **Network** > **Cloud**.



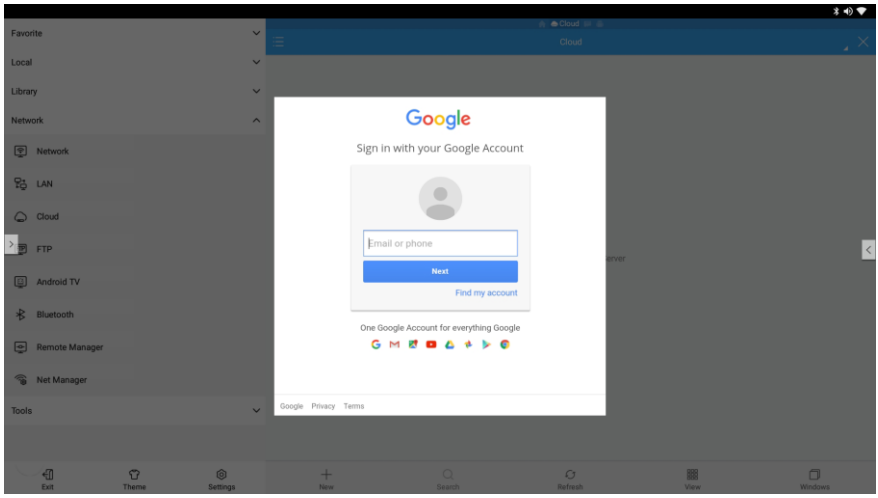
3. In Cloud screen, select “**New**”.



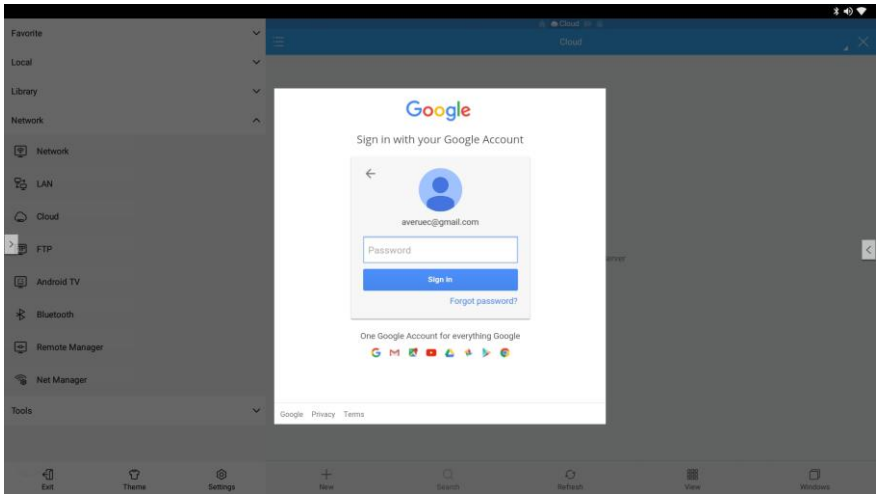
4. Then, select “**Gdrive**”.



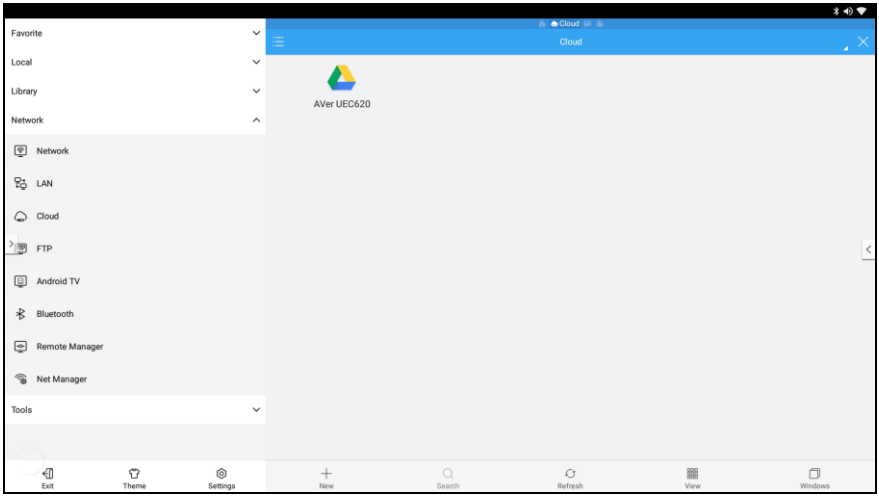
5. The Google login screen is displayed. Enter your google account and select “**Next**”.



6. Enter your Google account’s password and select “**Sign in**”.

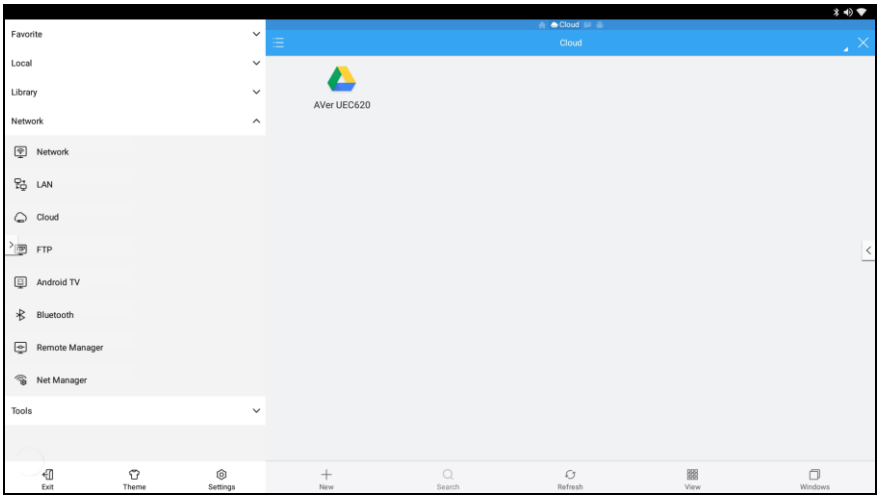


7. After sign in, the google drive is build.

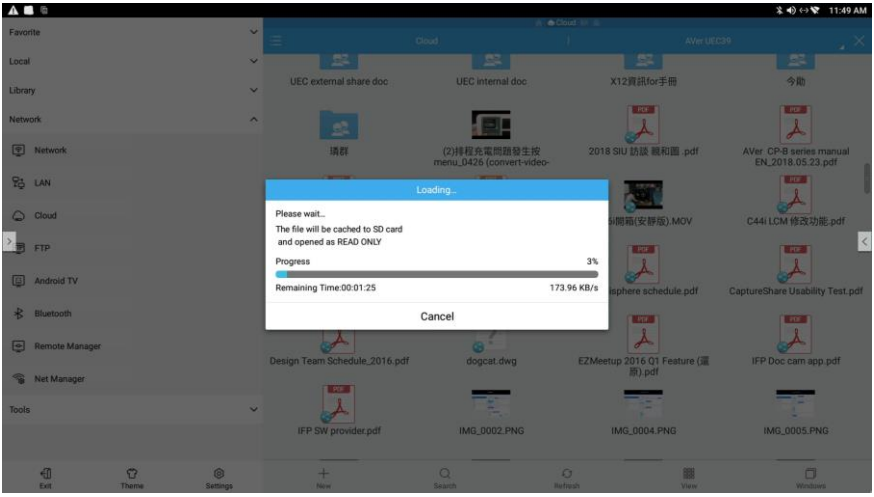


Open a File from the Cloud Storage

1. Open the ES file explorer > Network > Cloud > your Google drive account.



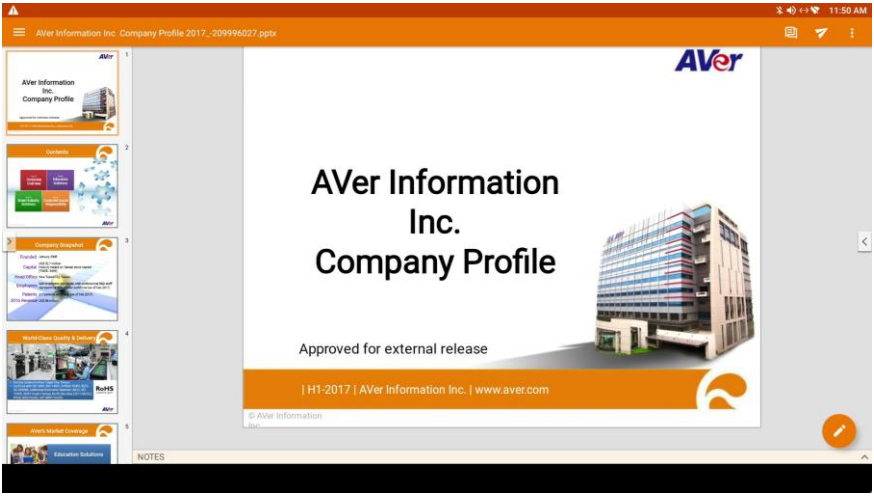
2. Select the file from your google drive.
3. Wait for selected file will be downloading to local disk to open.



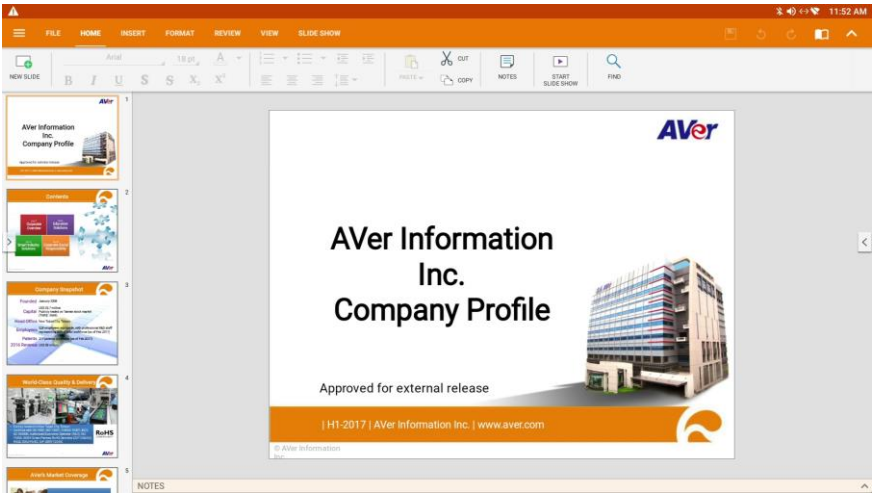
4. The file is opened by OfficeSuite.

5. If file is a *.ppt file. Select > **Start slide show** can switch to slide show mode.

6. Select can edit the file.



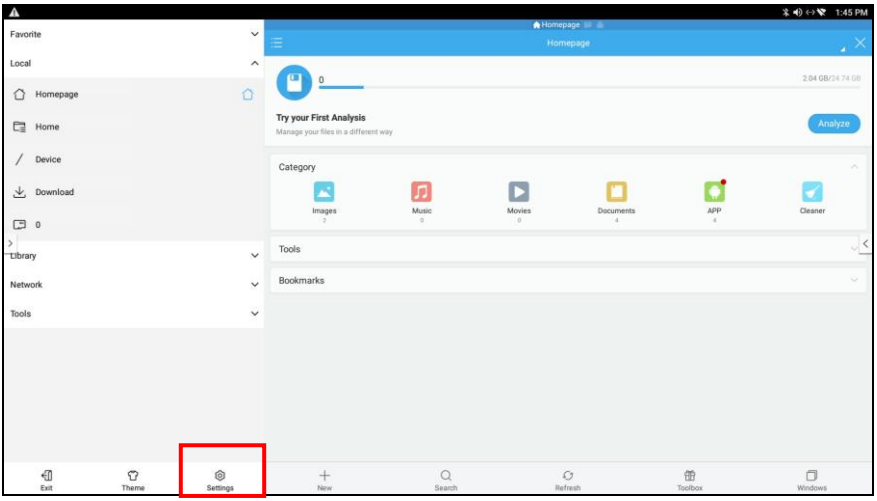
7. Edited file can be saved as PDF file. Select to save the edited file.



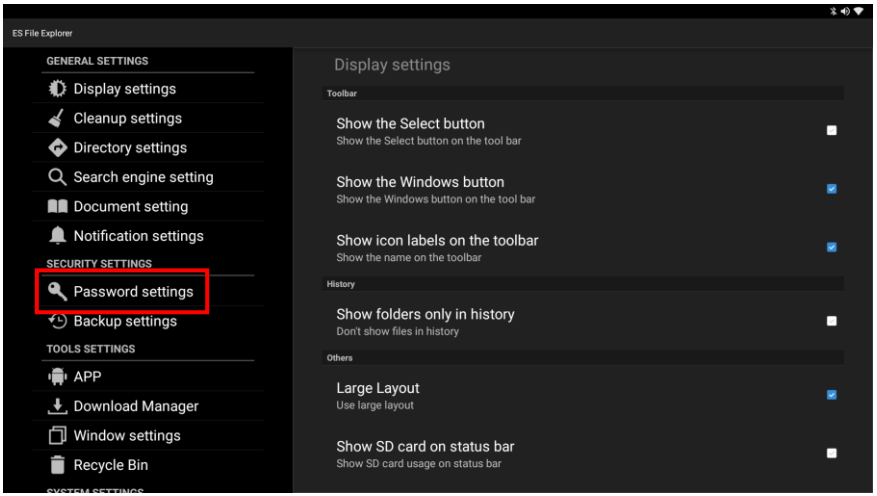
Set Password for ES File Explorer

Set the password to protect ES File Explorer.

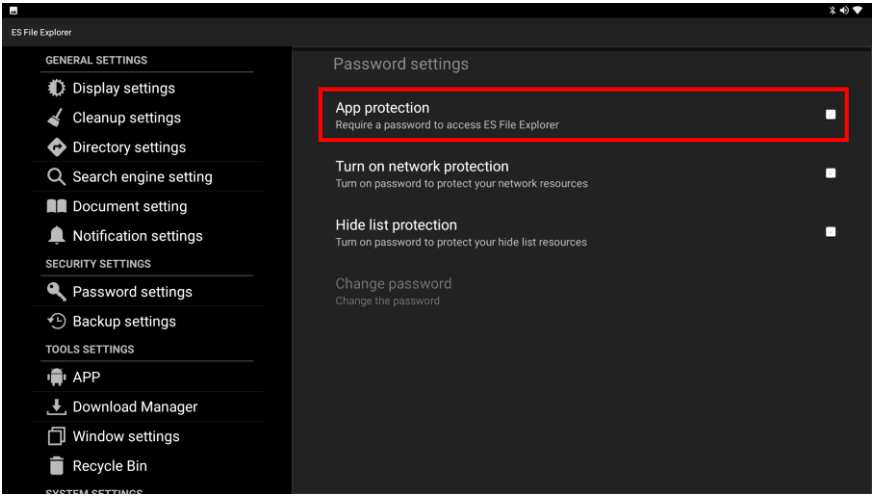
1. Open ES file explorer and select “**Settings**”.



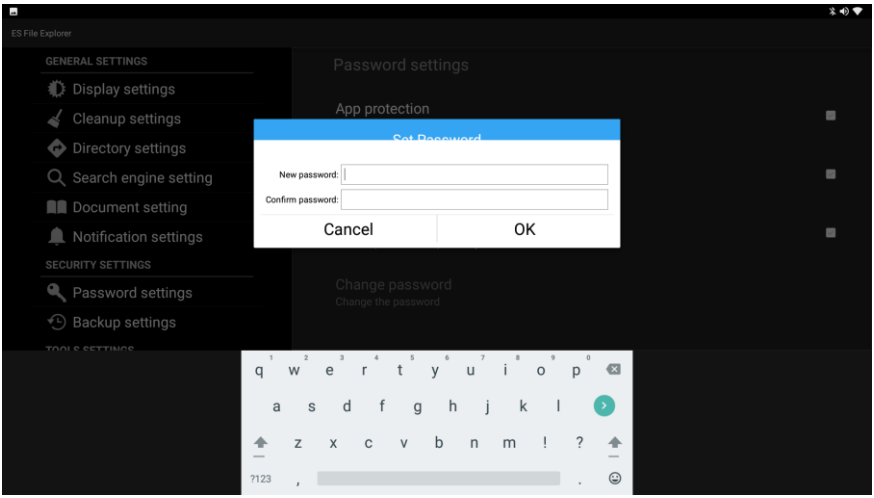
2. Select “**Password Settings**”.



3. Select “**App protection**”.



4. Enter the password and re-enter password to confirm. Then, select “**OK**” to complete.

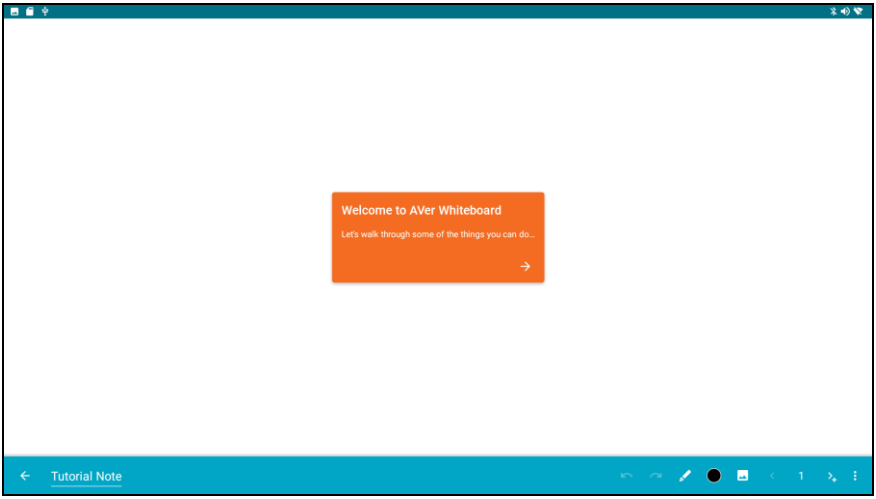


Whiteboard

Select on main screen to call out Whiteboard application.

Tutorial

For the first time use, the tutorial will guide the user how to use whiteboard; select to go next step, select to back previous step. Select the tutorial will close, select can continue the tutorial.

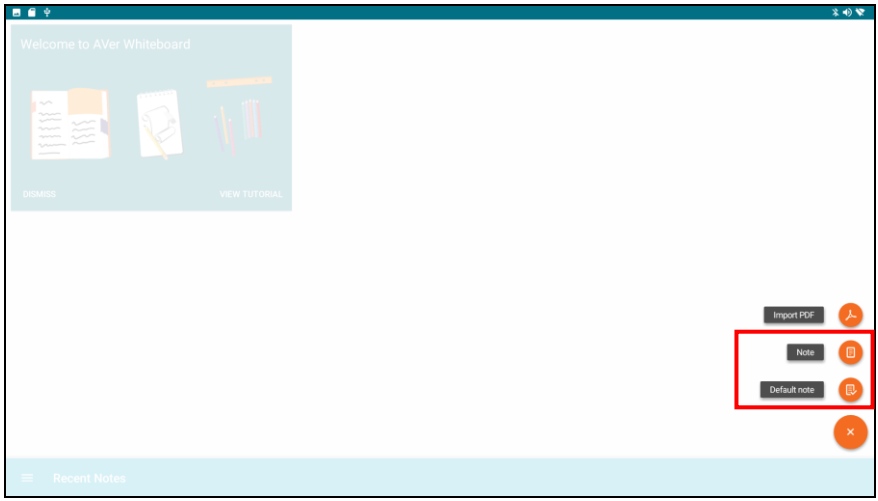


If user wants to view the tutorial again after tutorial, select the "**VIEW TUTORIAL**" at main page of whiteboard. Select "**DISMISS**" will close the tutorial selection.

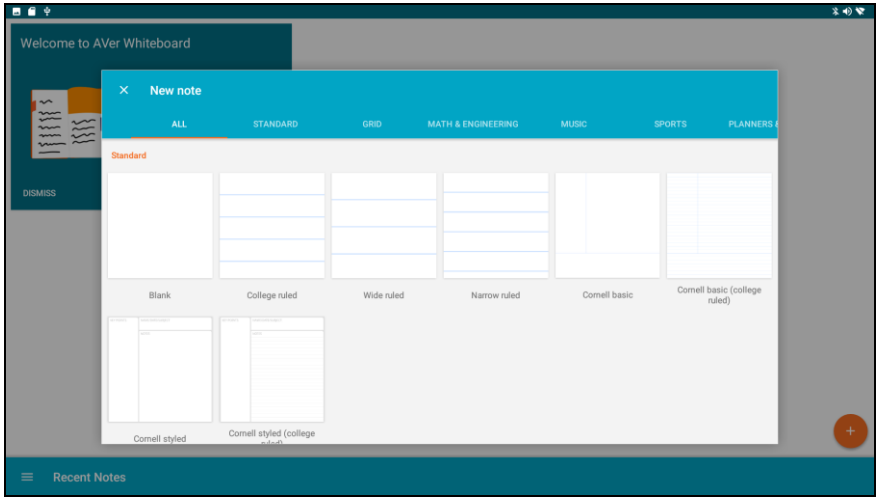
Note Format

The note page has different format and user can choose the proper format to use.

1. Select + and select “**Note**”. Also, user can select “**Default note**”. The default note will be a blank page.



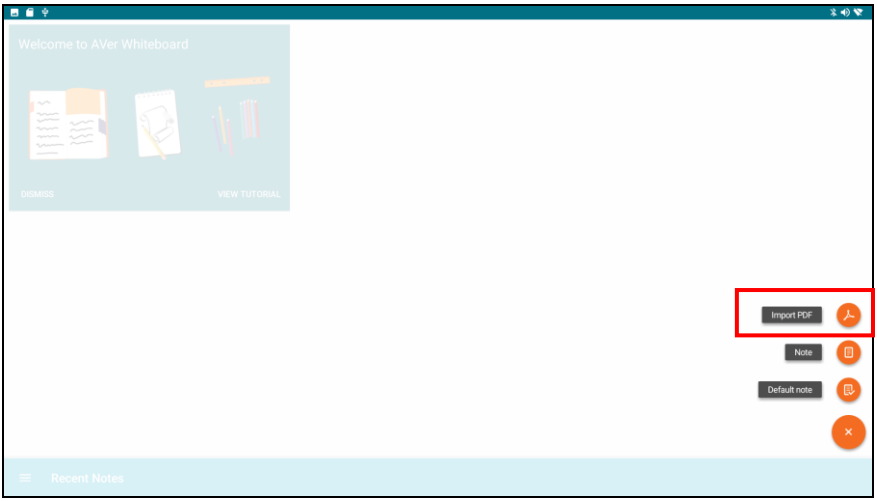
2. The note formats are category in Standard, Grid, Math&Engineering, Music, Sports, and Planners&Lists. Choose the proper note format to use.



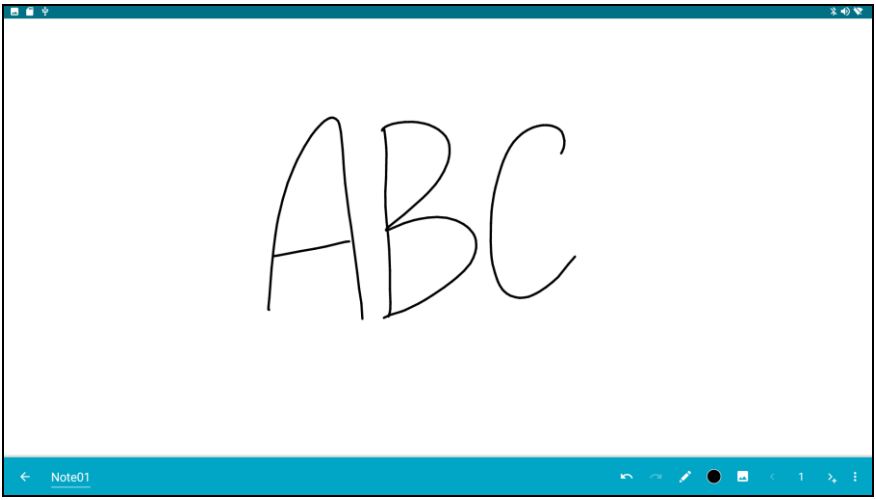
Import PDF

User can import the PDF file from external USB pen drive, local (IFP system), or Google drive into whiteboard.

1. Select + and select “**Import PDF**”.



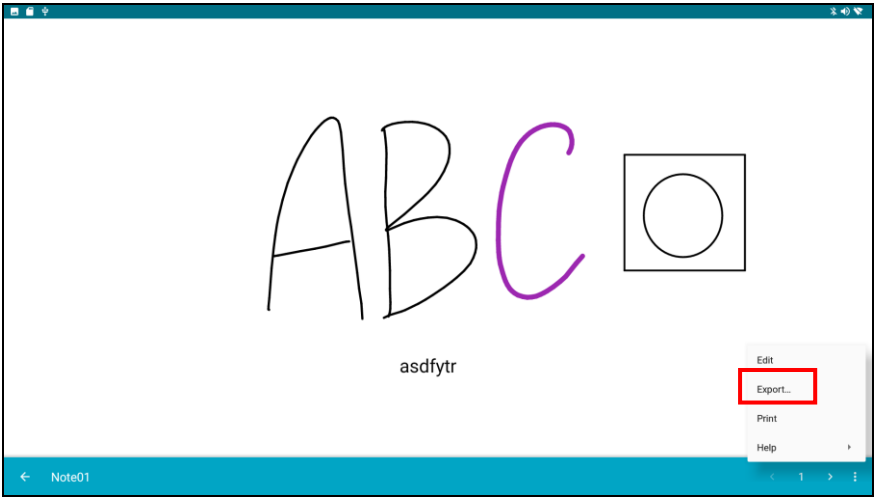
2. Locate the PDF file. If user wants to open the PDF file from Google drive, select **ES file explorer** > select the path > your Google drive.
3. The imported PDF file is displayed on whiteboard screen.



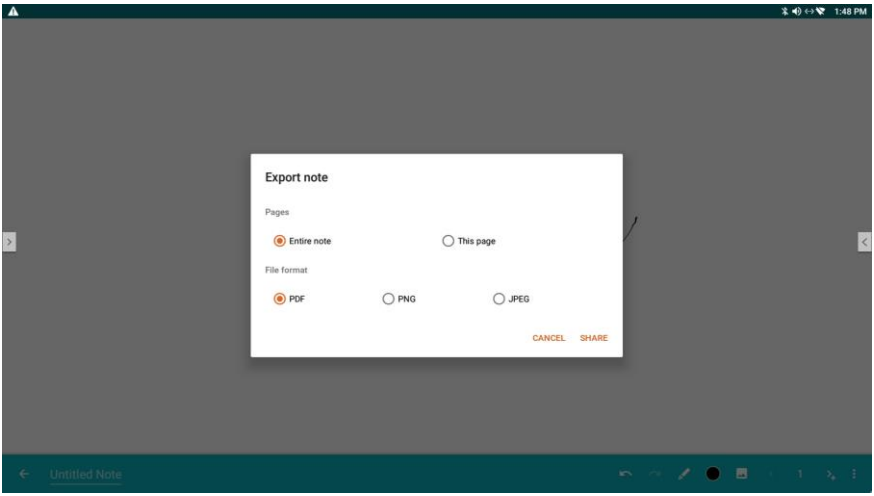
Save the PDF file to Google Drive

[Note] The Google drive must have built on IFP (See also chapter of Cloud Storage).

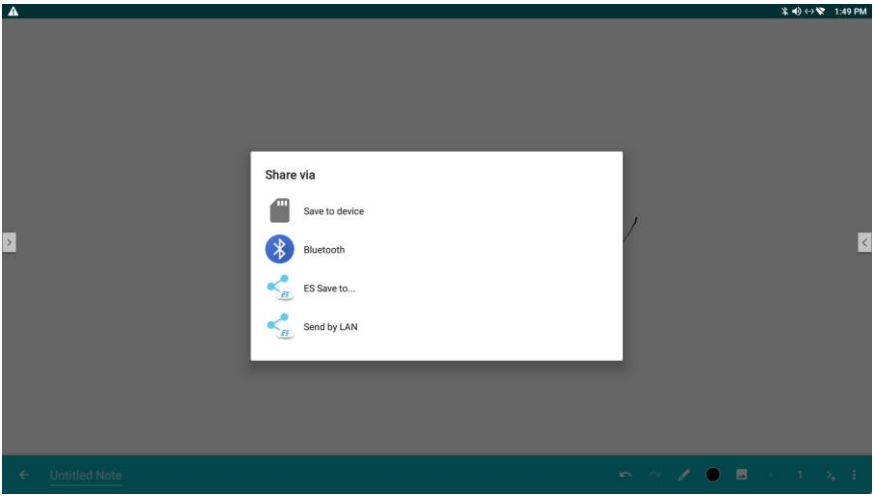
1. In Whiteboard note page, select > **Export**.



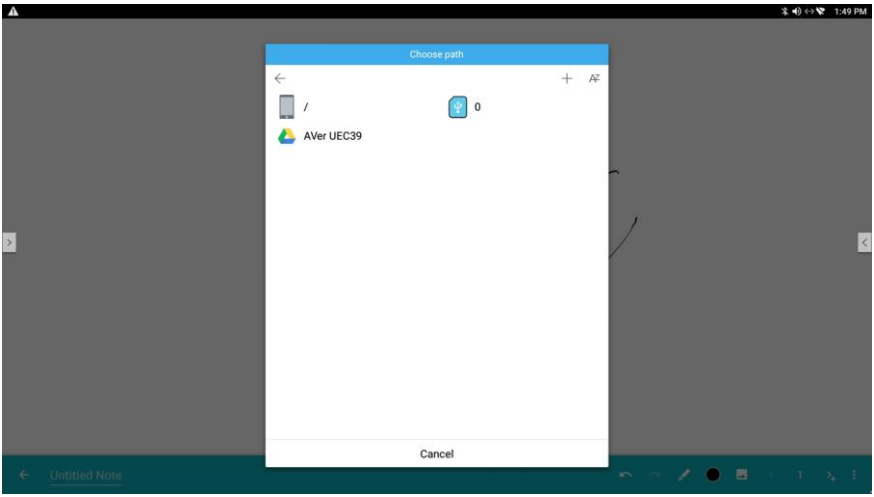
2. Select “**Pages**” and “**File format**” as PDF and select “**Share**”.



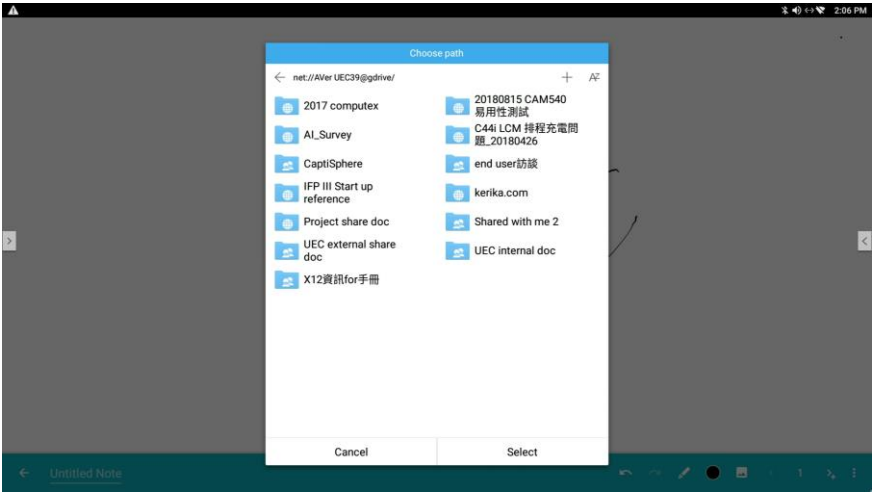
1. Select “**ES Save to…**”.



2. Select ← to go to main root directory. Then, select your Google drive.



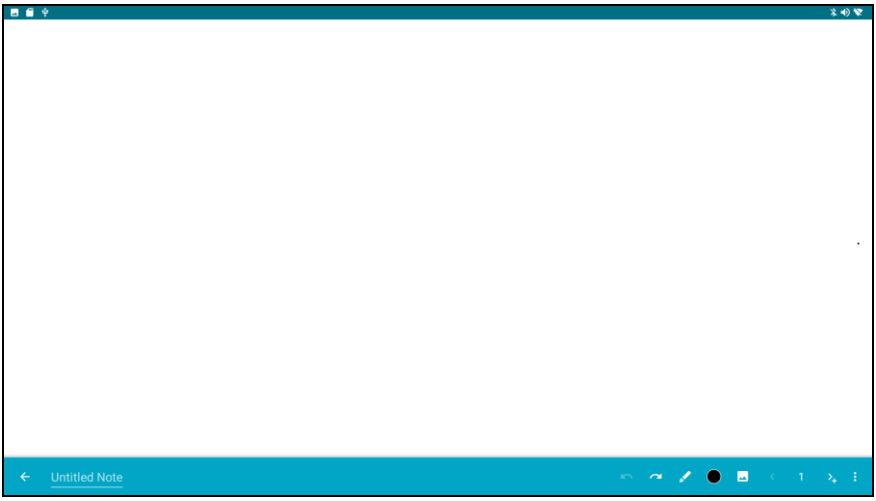
3. Select the folder and select “**Select**”. The note page will be saved to your Google drive.



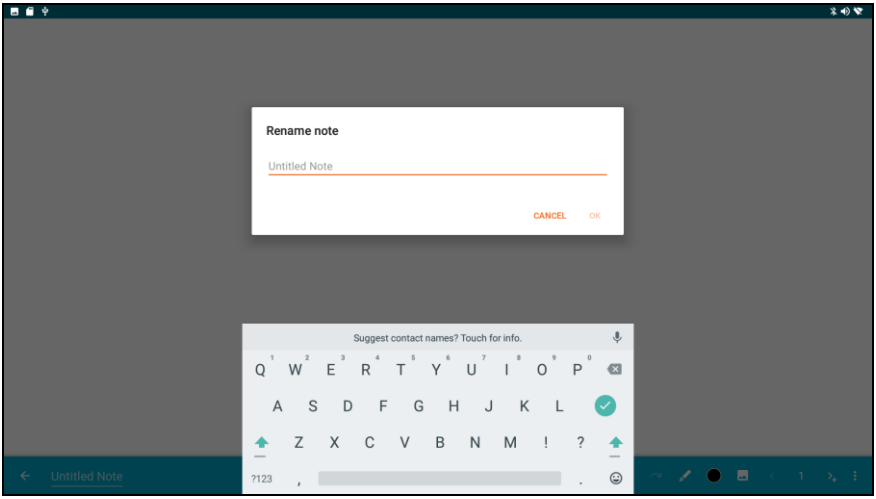
Change Name of the Note

User can rename the note.

1. Select the note name is located at left bottom corner.



2. Enter the new name of the note and select **OK** to confirm.



Using Whiteboard

The Whiteboard function tools are described in following.

/ : Undo and redo the actions.

: Pen function includes pen, eraser, mark, shape, and text function.

: Color selection. User can select the color of pen, text, shape, and background of note.

(Add image): Take a picture from camera that is connected with IFP or select an image to display on whiteboard.

: Note page switch and add new note page. Touch page number will switch to page list screen. Touch and hold the page number will call out note page select dialog.

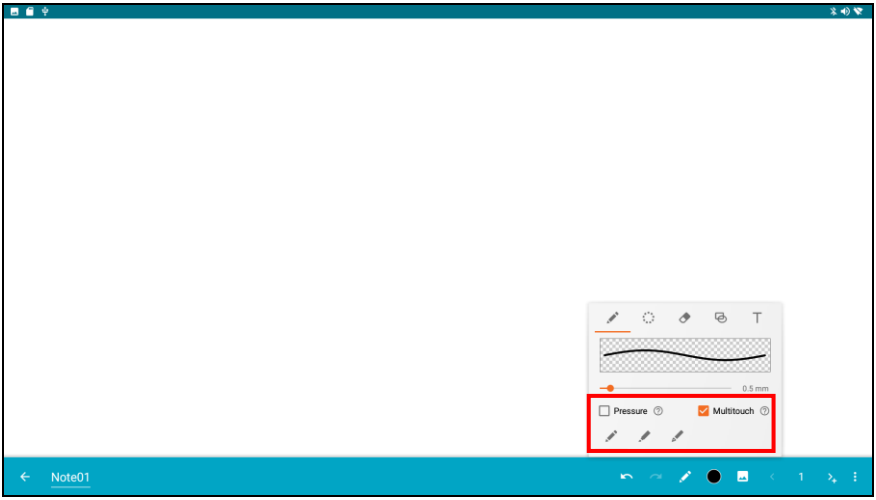
: Call out sub menu list – view only, export, print, page settings, and help.

Pen ( )

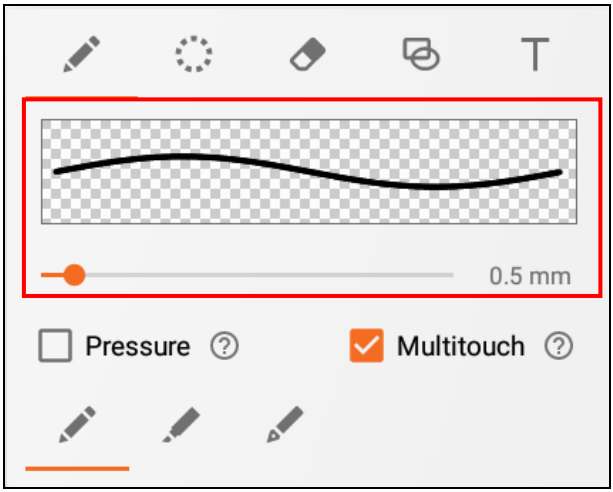
The function includes pen, eraser, mark, shape and text functions.

■ **Pen**

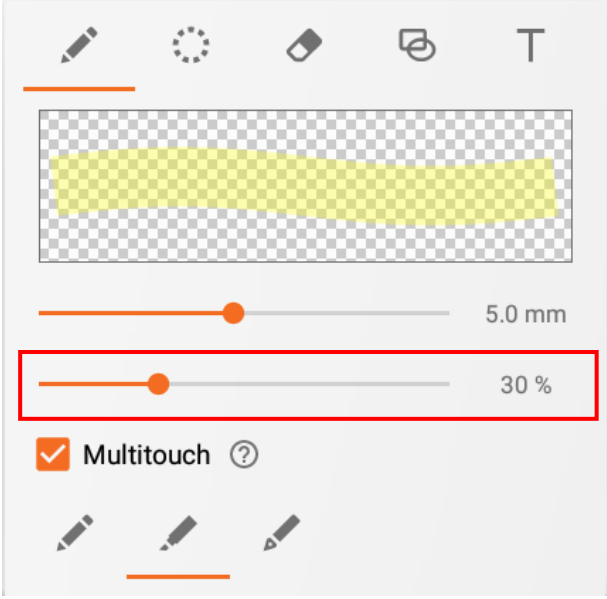
- **Type:** Pen has three types – pencil ( ), highlight pen ( ), and pen ( ).



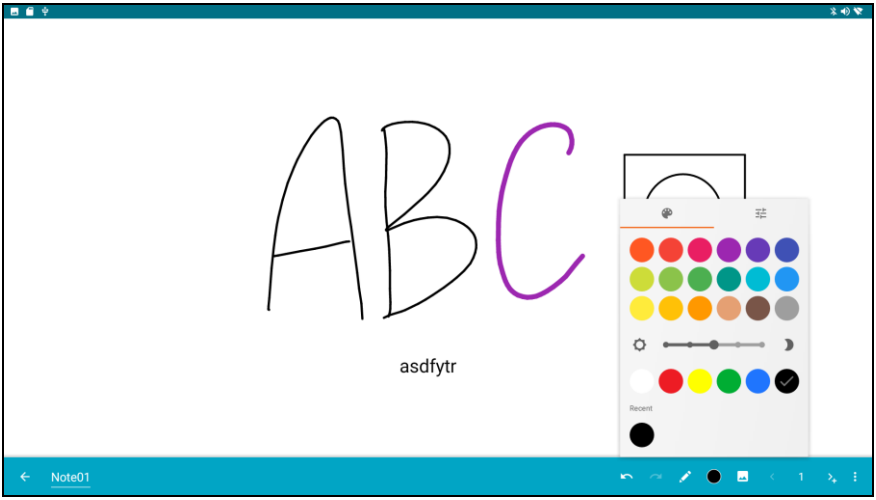
- **Multitouch:** Allows multiple users to write on the screen.
- **Pressure:** To make writing more smooth.
- **Thickness**: Adjust the thickness of pen. Move the dot to adjust the thickness.



- **Color Depth:** Highlight pen can adjust color depth.



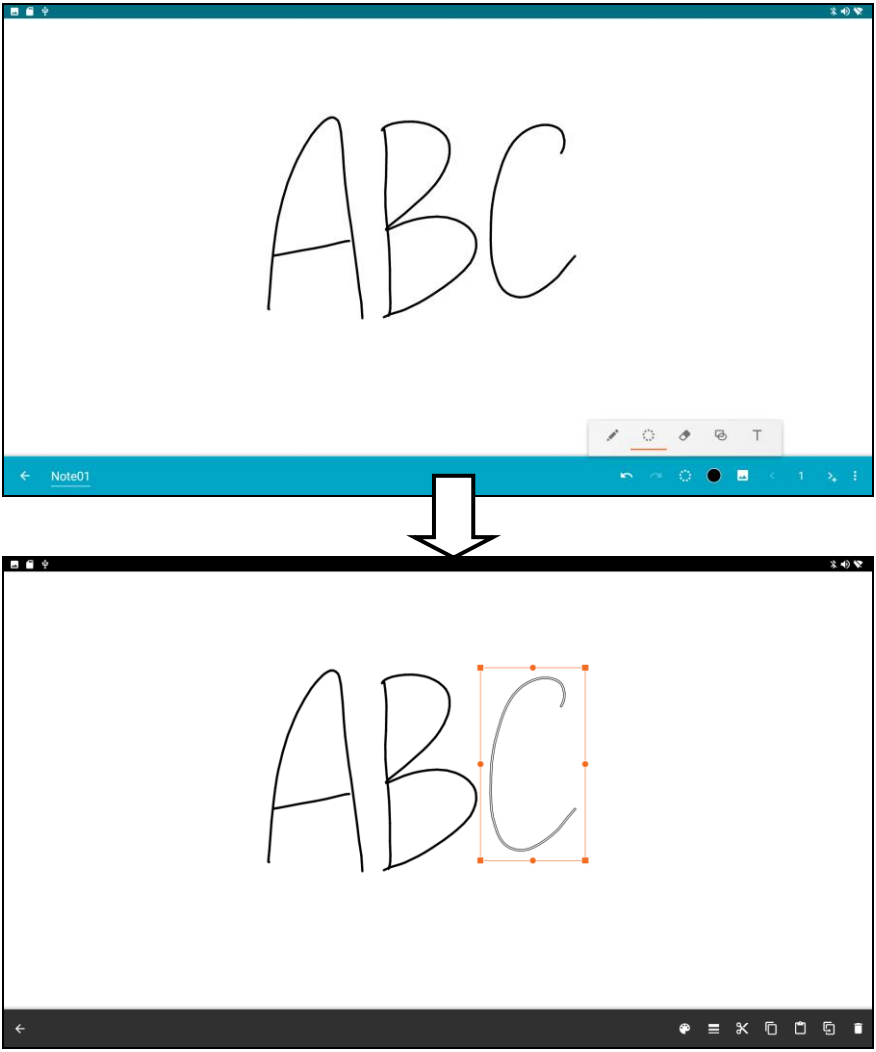
- **Color:** The color of all pens can be changed. Select the type of pen and go to Color selection ( ) and select the color.



■ **Select(**)

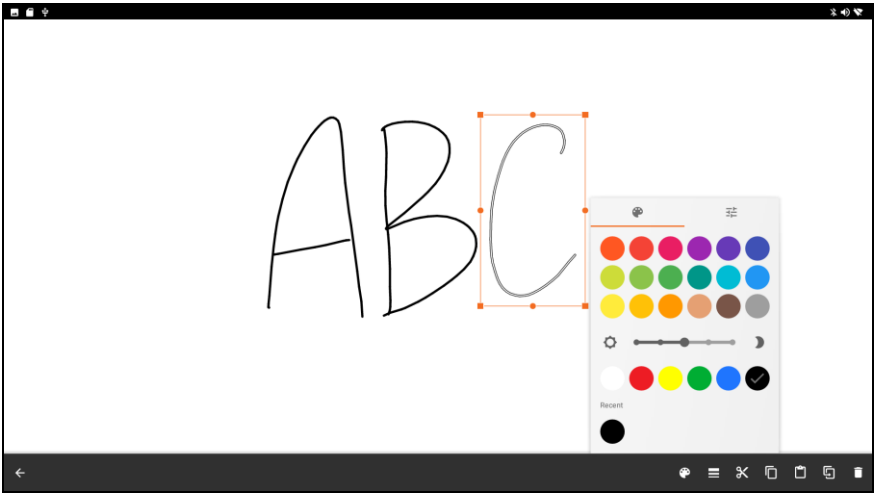
Allows user to select the object on the screen to edit. After selecting, the screen will switch to edit mode. In edit mode, user can modify the selected object.

Select and use finger to select the object on the screen and the screen will switch to edit mode. In edit mode, select can switch to whiteboard screen.

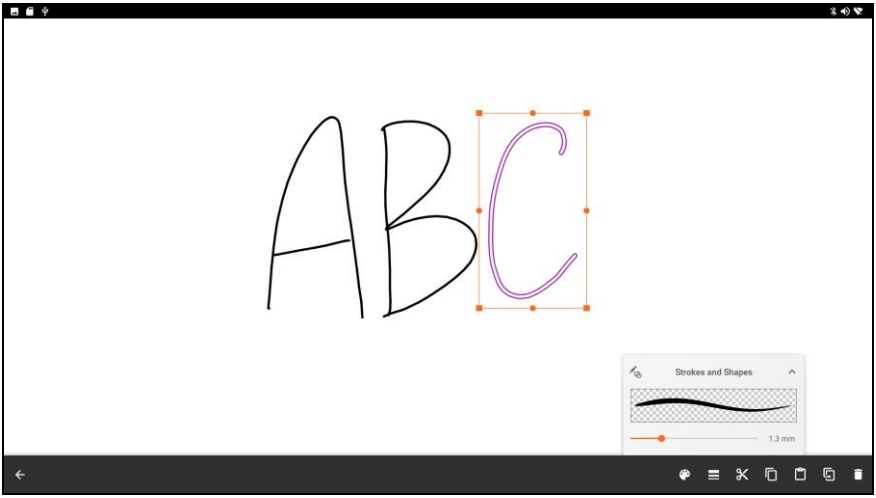


In edit mode, user can perform the following actions.

- : Change the color of selected object.



- : Change thickness of strokes and shapes.



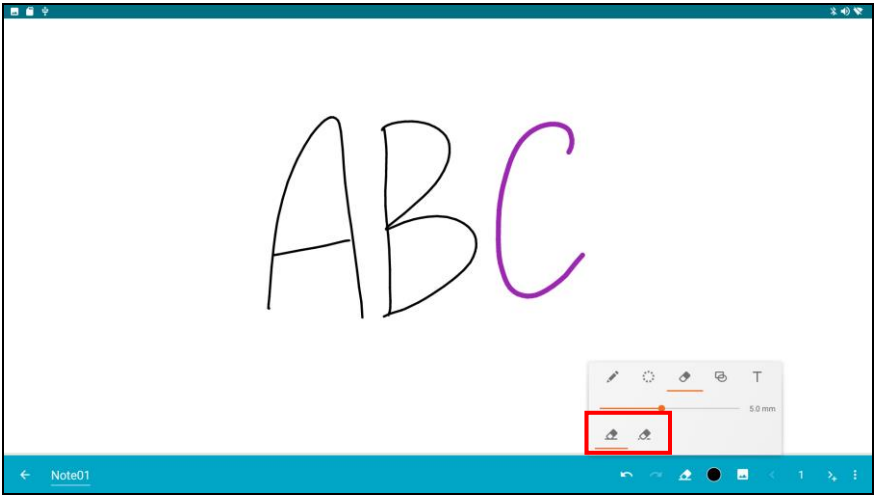
- : Cut the selected object. The cut object can be pasted on the note page. Select to paste.

- : Make a copy of selected object. Select can paste the copy object on the note page.
- : Paste the cut or copy of the selected object.
- : Duplicate the selected object. The duplicate object will paste on note screen immediately.
- : Delete the selected object.

■ **Eraser**( )

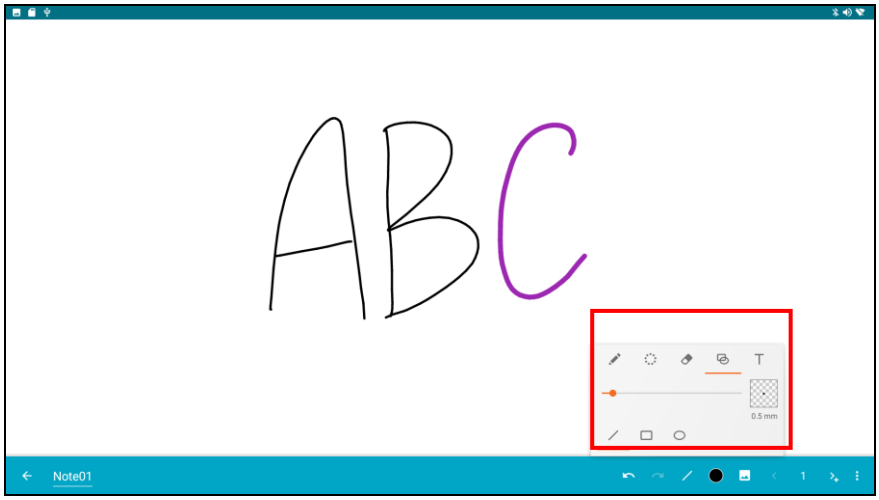
To clear the handwriting or drawing on screen as required.

- : Clear large area.
- : Clear part by part.



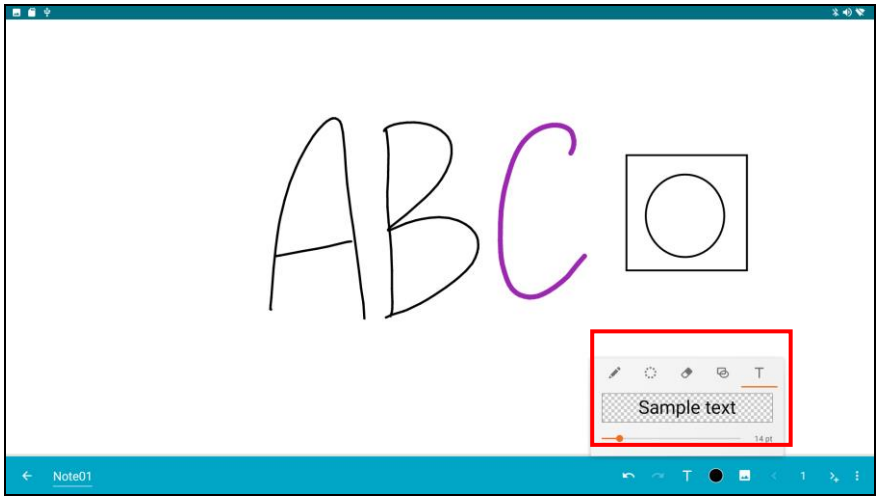
■ **Shape**( )

Draw the shape object on the note page. Shape objects are included line, square, and round. Move the dot to adjust thickness of the shape object.

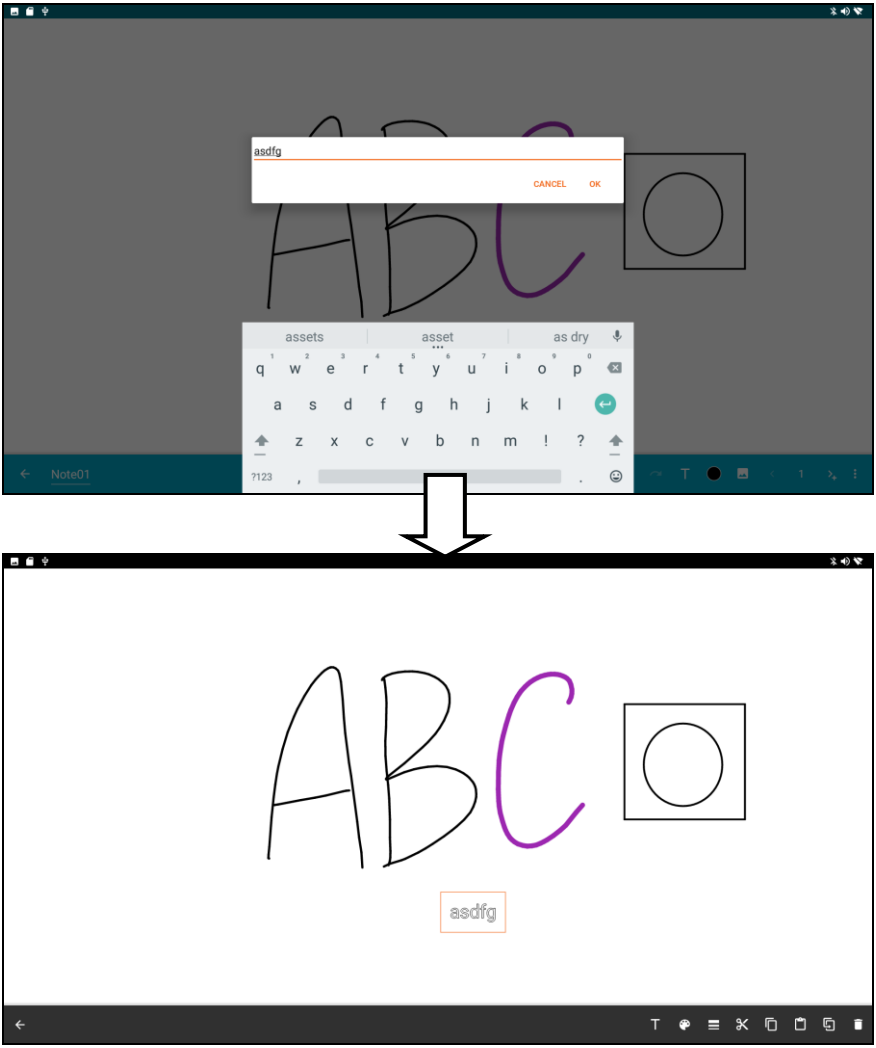


■ **Text**( )

Type the text on the note page.
Move the dot to adjust the font size of the text.



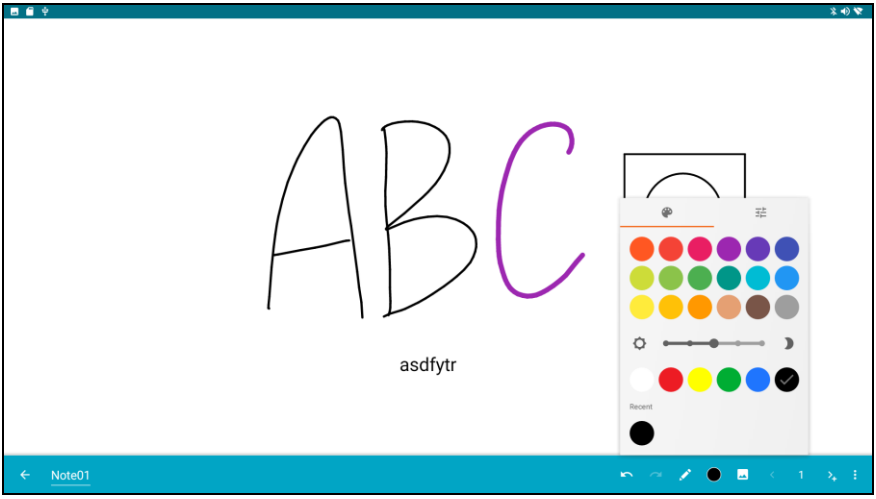
Select T and enter the text and select **OK**.



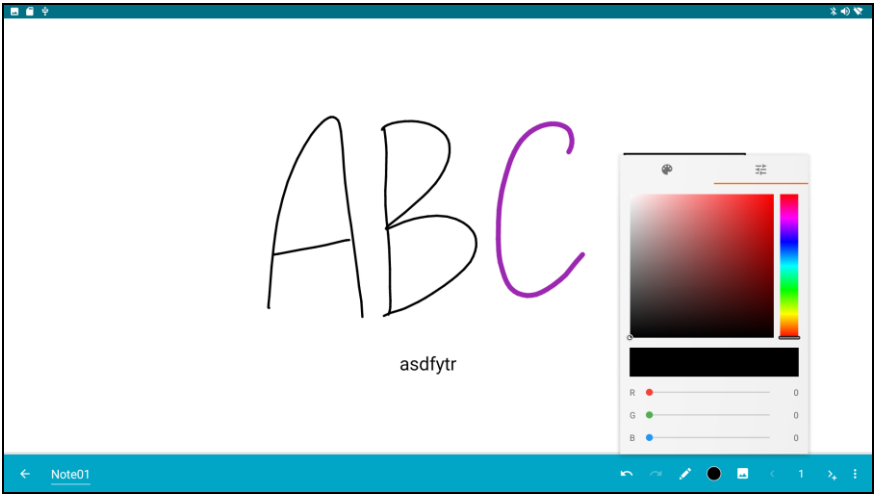
Color ( )

Change the color of pens, Shape, and text.

Select the pen, shape, or text function first, then, select to select the color.



If the color user wants don't list in color pattern, select to define the color on your own.



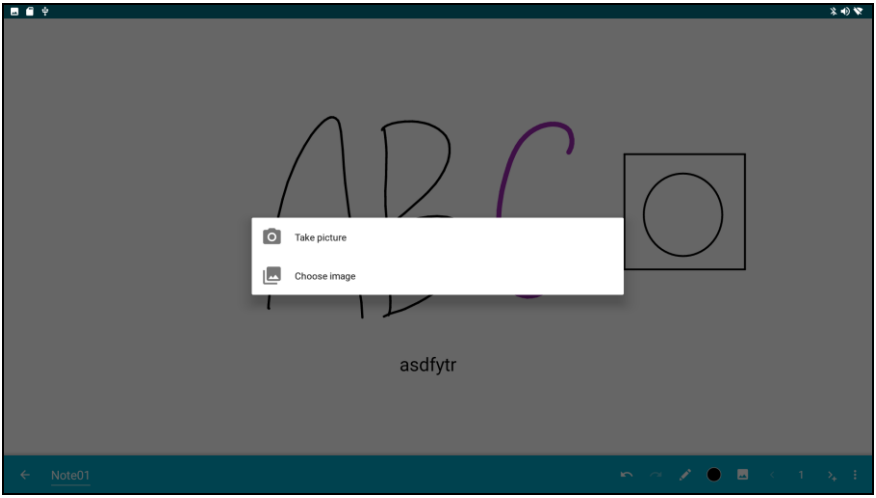
Add image( )

To take a picture from connected camera or select an image from local or external USB pen drive.

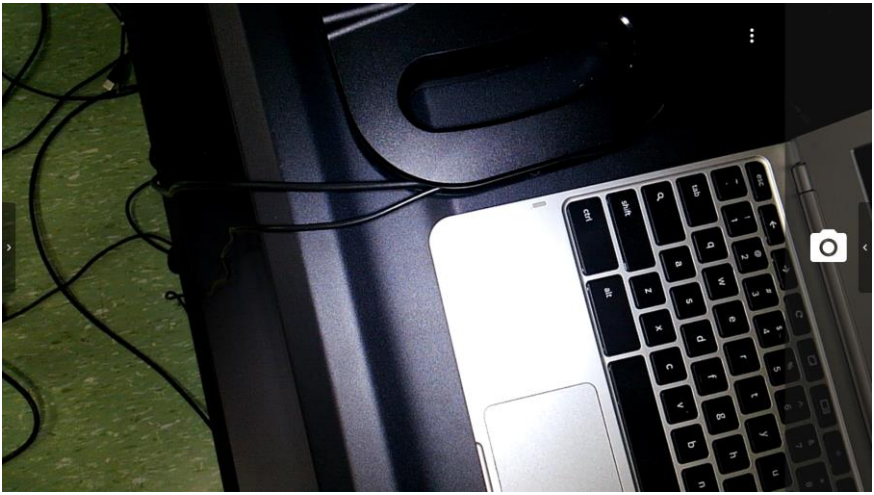
- **Take picture**

Take pictures from connected camera. Please make sure the camera is well connected and power on.

1. Select and select “**Take picture**”.

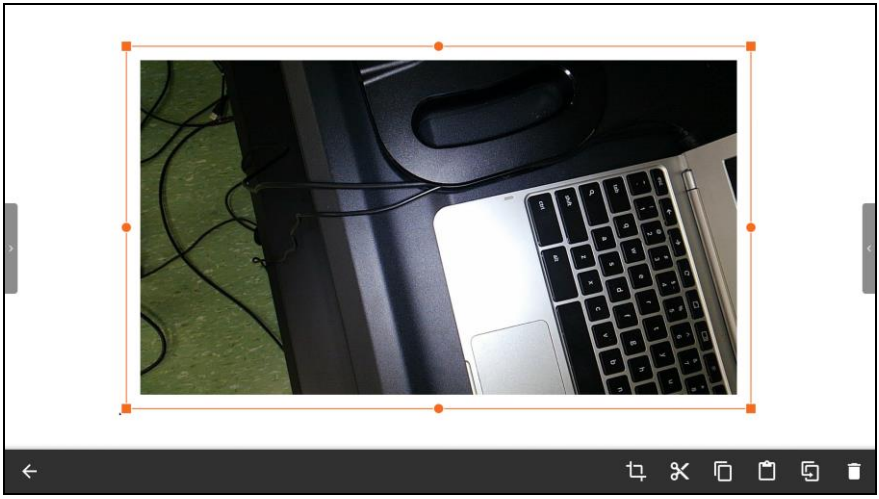


2. Select to take picture.



3. Select to accept the picture. To re-take, select . To discard the taken picture, select . Select can adjust the flash, display grid, and time if camera support those function.

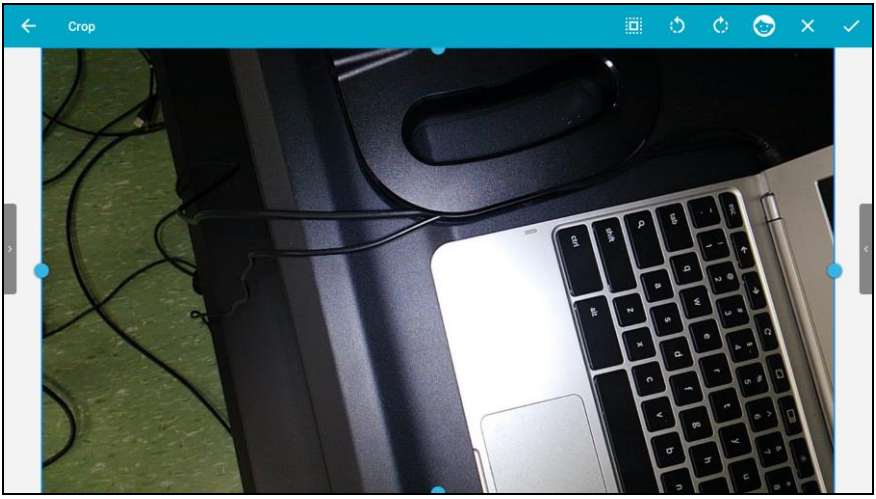
4. After accepting the picture, the screen will switch to edit mode. Touch the picture can move picture around. Select can back to whiteboard screen.



- : To crop the image. In Crop mode, user can do following action:

	Select all		Detect face
	Rotate left		Cancel
	Rotate right		Save

Select or can go back to edit mode.



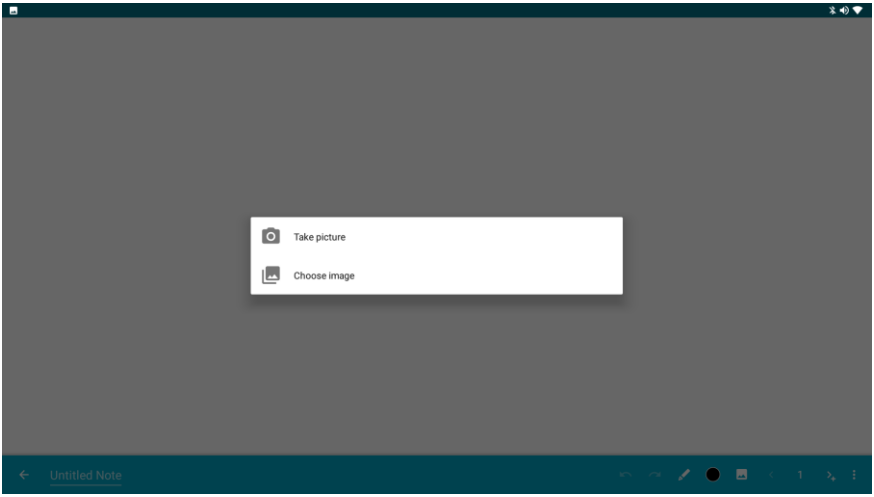
- : Cut the picture. The cut image can be pasted. Select to paste.
- : Make a copy of picture. Select can paste the picture.
- : Paste the cut or copy of the picture.
- : Duplicate the picture. The duplicate picture will paste on the screen immediately.
- : Delete the selected part.

5. In edit mode, select can switch to whiteboard screen.

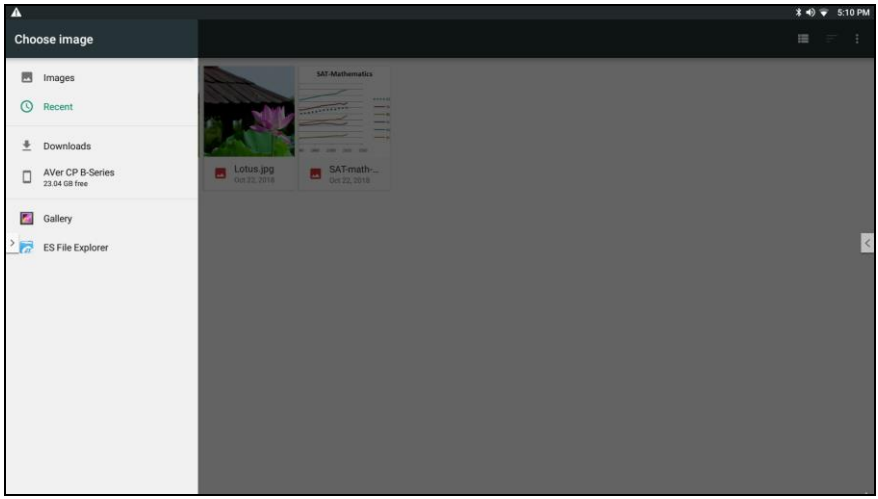
■ Choose image

Select an image from local hard disk or external USB pen drive.

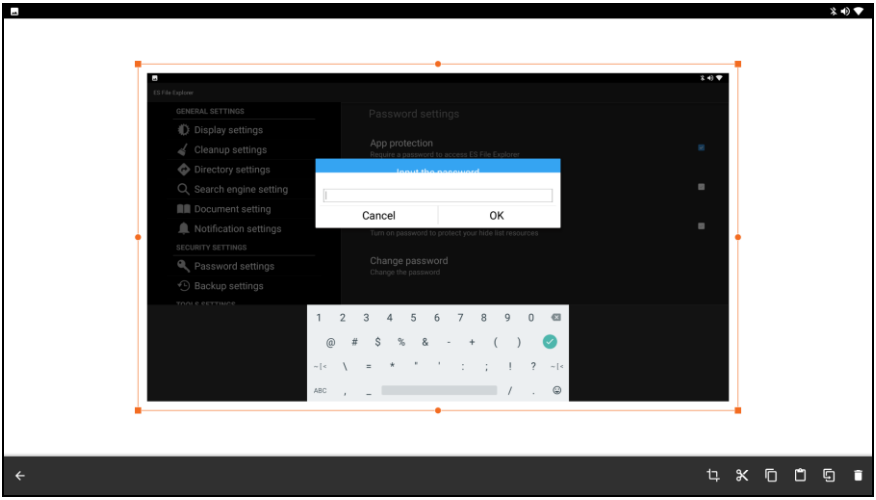
1. Select and select “**Choose image**”.



2. Select the image from local or external USB pen drive.



3. The image can be edited.



- : To crop the image. In Crop mode, user can do following action:

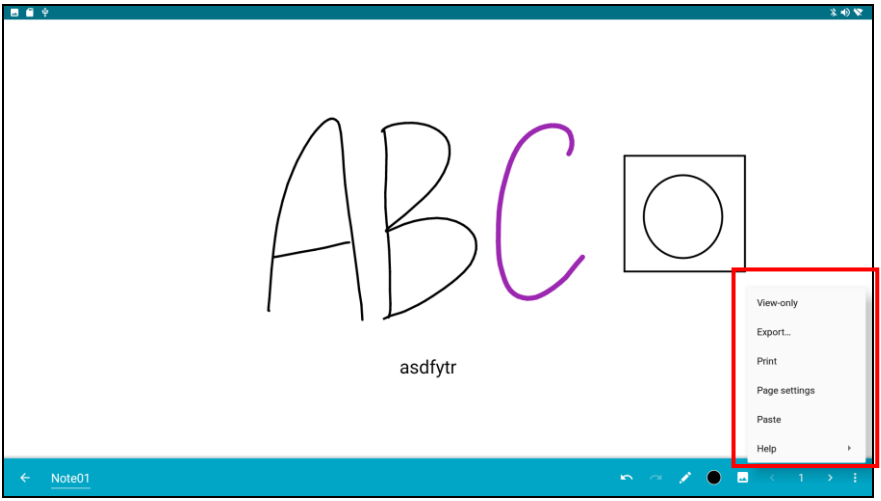
	Select all		Detect face
	Rotate left		Cancel
	Rotate right		Save

Select or can go back to edit mode.

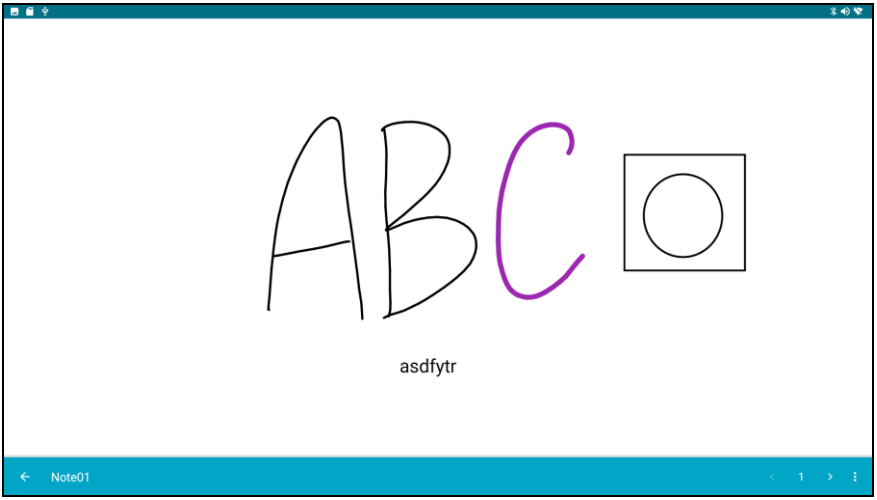
- : Cut the picture. The cut image can be pasted. Select to paste.
- : Make a copy of picture. Select can paste the picture.
- : Paste the cut or copy of the picture.
- : Duplicate the picture. The duplicate picture will paste on the screen immediately.
- : Delete the selected part.

4. In edit mode, select can switch to whiteboard screen.

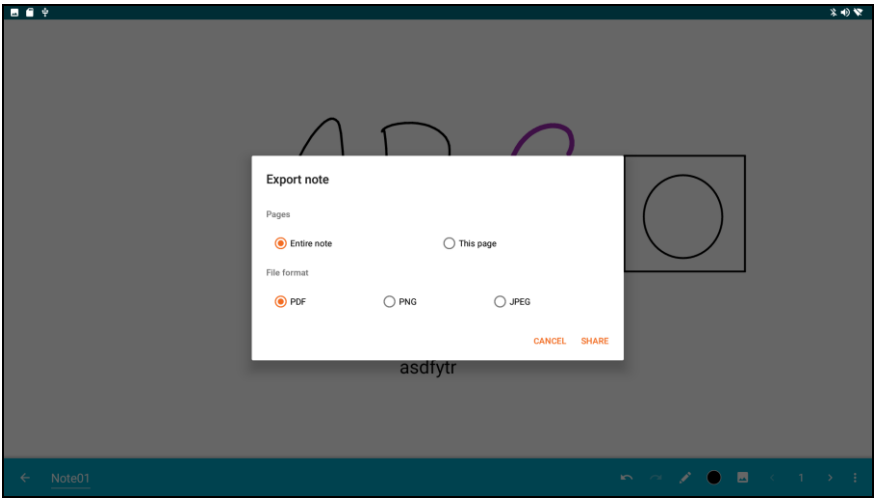
Sub-menu( )



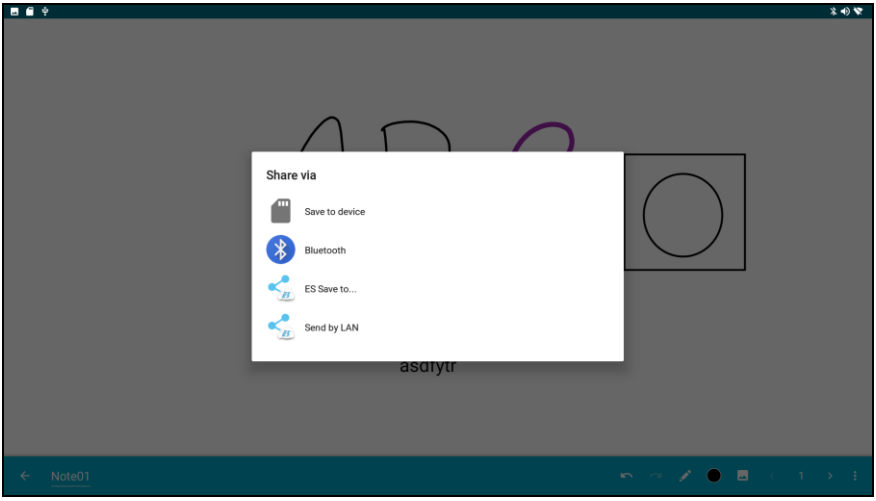
- **View Only:** Change to view only mode. No action can be operated. Select can back to normal mode.



- **Export:** Export the note page or all note pages to PDF, PNG, JPEG file and share to specific path.

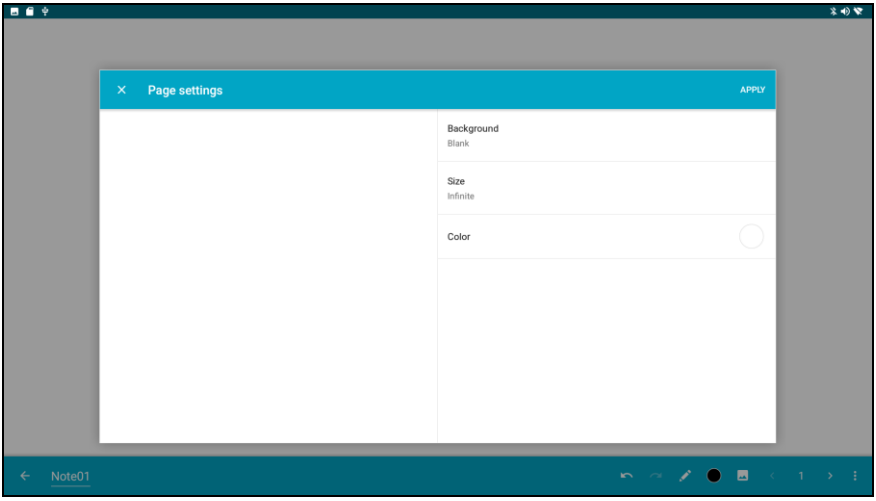


Select “**SHARE**” and select the type to share.



- **Print:** To print out the note page.
- **Page Setting**

Change background (note format), note page size, and color of note page.



- **Paste:** In edit mode, user does the cut, copy, or duplicate and select “**Paste**” from sub-menu list can be pasted the object on note page.
- **Help:** View the tutorial and FAQ.

Screen Share

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

Enable Screen Share

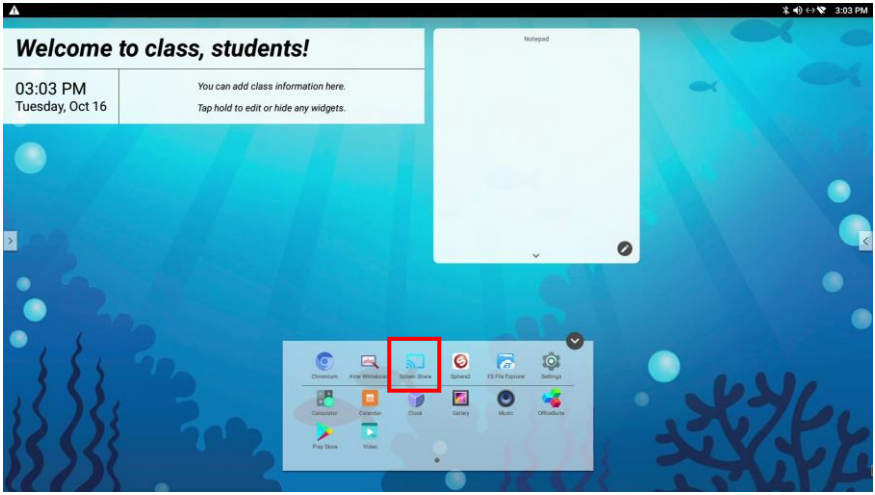
1. Network Setup (Ethernet & WIFI).

[Note]

a. If you want to share video or do Chromecast, suggest you to use 5G network for casting.

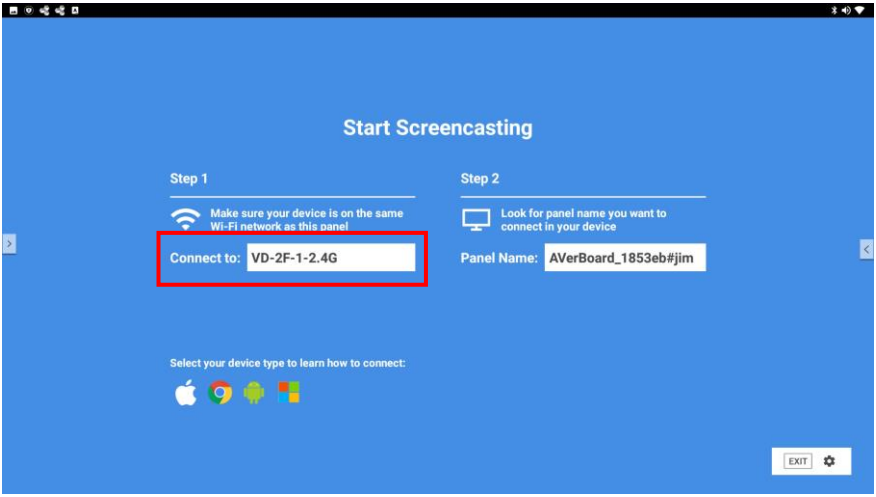
b. If you want to share via Miracast, please make sure you open the WIFI connection.

1. Open the screen sharing app.



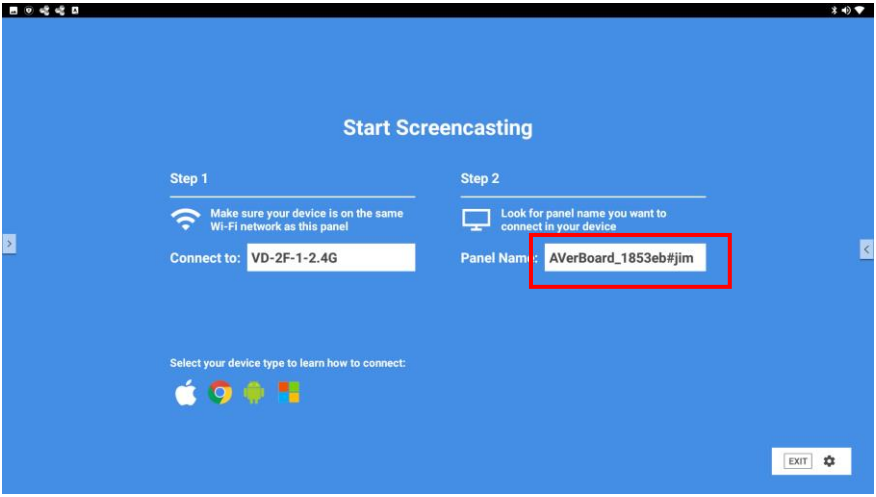
2. Please make sure Panel and your sharing device is in the same network.

[Note] If you want to share via Miracast, you don't need to setup the same network between your devices.



3. Use device's' default mirror function to search the Panel Name.

[Note] Each IFP has different Panel Name. You can find it in Screen Share main page.



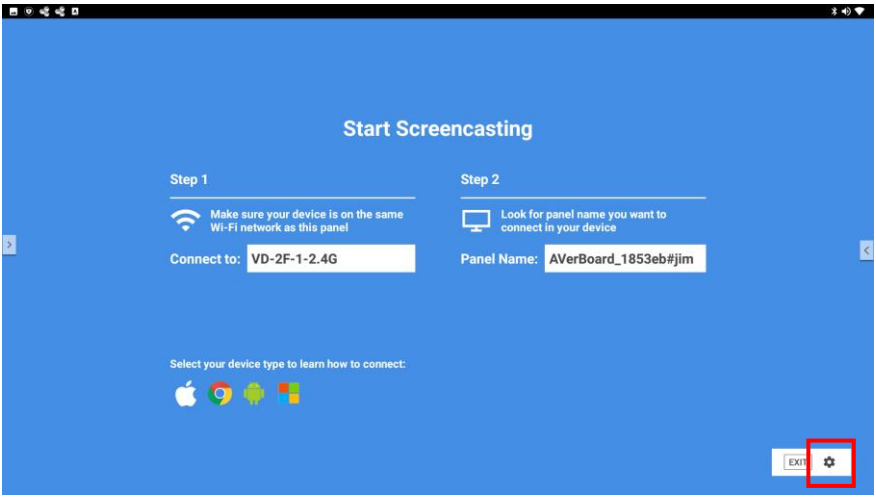
Setup Screen Share

■ **Incoming request for authorized connection**

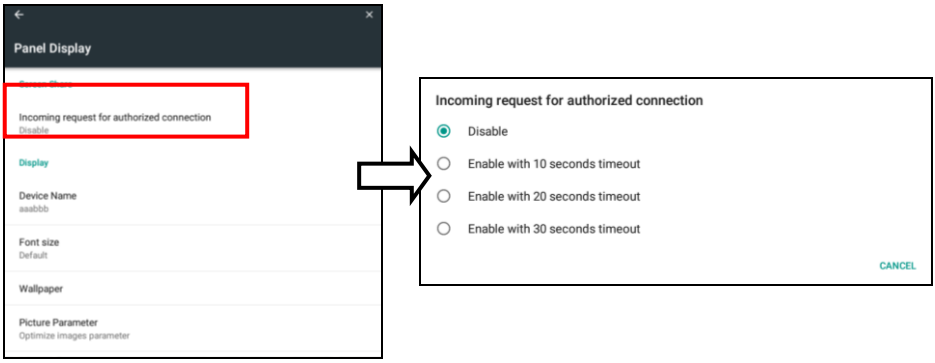
Enable/disable for multiple connection authority.

[Note] For multiple connections, still only one device screen can be displayed on IFP screen.

1. Tap **Screen Share** >



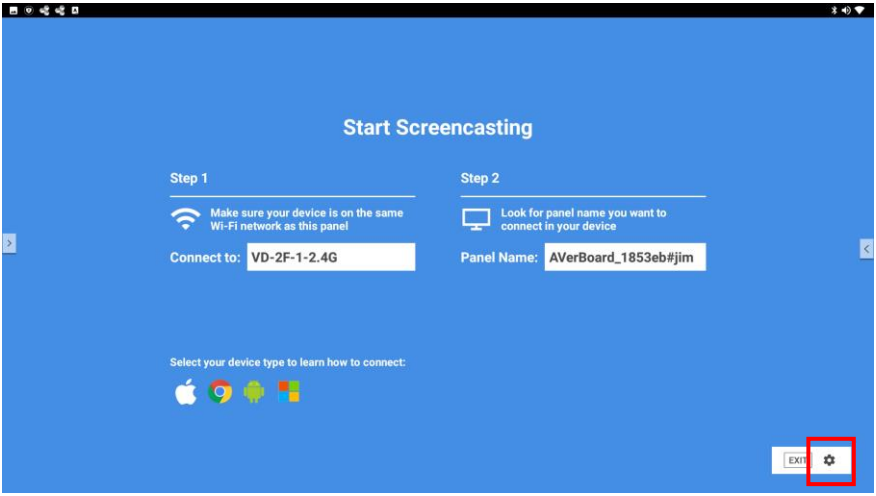
2. Tab **Incoming request for authorized connection** > **Enable with 10/20/30 seconds timeout**. The authorization request will display on screen for 10/20/30 seconds when connection request is coming. The default is **Disable**.



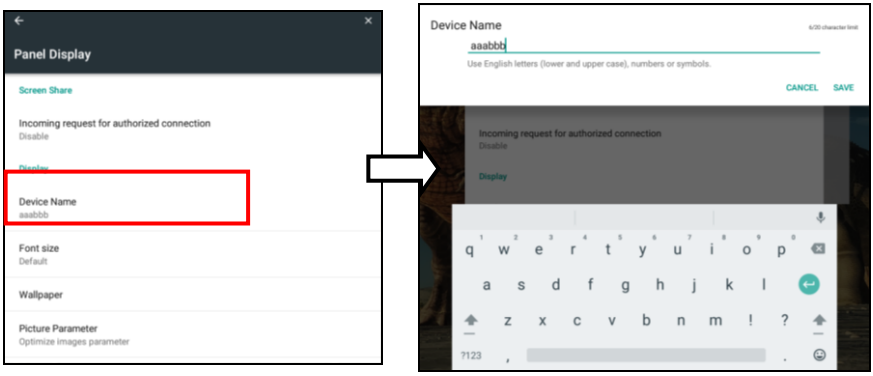
■ Device Name

Change the panel name that use for connection identified.

1. Tap **Screen Share** >



2. Tab **Device Name** > Enter the new device name > **OK**.



Sharing content from Apple product to the panel

What is Airplay?

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

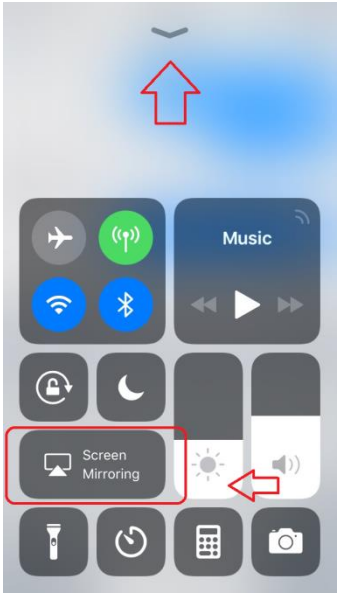
How to use AVer Screen Share app via Airplay?

1. Enable network connection (Ethernet or WIFI)
2. Open the screen sharing app( ).
3. If connected via Wi-Fi, please check that the network name displayed on your screen share main page is the same as the network your device is connected to.
4. Use built-in screen mirroring function in your device to search Panel Name.

[Note] Each IFP has different Panel Name. You can find it in Screen Share main page.

To share your iOS device's screen (i.e. iPhone or iPad) to the panel

1. Swipe up from the bottom of your screen to open Control Center.

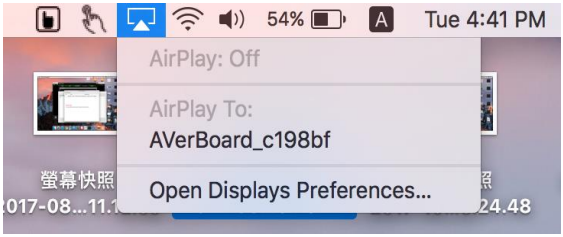


2. In Control Center, tap **Screen Mirroring**, then select your **Panel Name** from the list.

3. Don’t see your panel name? Try connecting your iOS device to the same Wi-Fi network as the panel you want to Airplay to.
4. To turn off Airplay Mirroring, swipe up from the bottom of your screen to open Control Center. In Control Center, tap your panel name and stop mirroring.

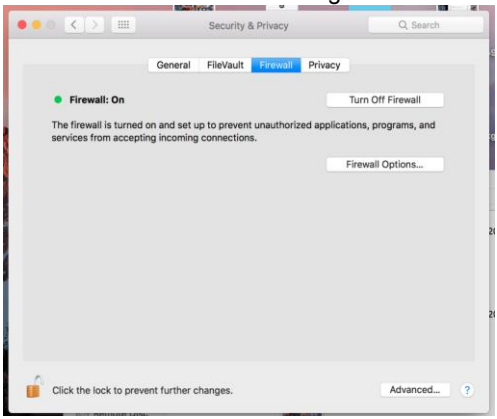
To share your Mac computer's desktop to the panel

1. Click on the Airplay icon on the right side of your Mac's menu bar. , then select your Panel name from the list.



2. To turn off Airplay Mirroring, click on Airplay icon on the right side of your Mac's menu bar, click on Turn Airplay: Off or Airplay: Off.

3. If you don't see your panel name in the Airplay menu, please check your firewall settings：
   a. Choose Apple menu -> System Preferences, then click Security & Privacy.
   b. Click the lock icon, and then enter an administrator name and password.
   c. From the Firewall tab, click Firewall Options.
   d. Make sure that "Block all incoming connections" is not selected, and "Automatically allow signed software to receive incoming connections" is selected.



Troubleshooting

Issue	Solution
Optimal performance	• Make sure your panel and Airplay device are connected to the same wireless network name (SSID) • Make sure your panel and Airplay device are connected to a Wi-Fi network with AP isolation disabled. • AP isolation: Your Wi-Fi network configuration could prevent devices from communicating with Airplay. In order to resolve this issue, you will need to disable AP (access point) isolation, also known as client isolation, on your router. Please refer to your router documentation to learn how to disable AP isolation. • If you do not have access to your router settings, or if you are attempting to connect through a guest, hotel or public network with AP/client isolation, you will be unable to setup your Airplay.
Your panel name does not appear in the list of available devices.	• Make sure your computer is on the same network as the panel. • If your panel is using a wired network connection, try connecting it to a wireless network. **[Note]** Wired and wireless networks don't often share the same network subnet. Connecting the panel to a wireless network might help the connection between the panel and a mobile device or computer that's connected wirelessly. Refer to Screen Share Network Requirements document for more details. http://averusa.com/classroom-technology/downloads/AVer-IFP-Screen-Share-Network-Requirements.pdf
The video and audio are out of sync.	• If your network is slow or congested, Screen Share is affected. Contact your administrator to check network bandwidth. • Not all devices are designed for video encoding for Screen Sharing, so video streaming might not behave as expected. • Sharing videos or playing video games with frequent screen updates requires more network bandwidth. Try reducing the video quality to improve performance.

Issue	Solution
Stuttering or poor quality	• Your panel and device should be within ~15 feet (4 meters) of each other. • Make sure both your panel and device are connected to the same Wi-Fi network channel, either 2.4GHz or 5GHz.

Supported Apple devices and operating systems

1. Operation systems
   - iOS 10 or later
   - OS X 10.11 (El Capitan) or later
2. Apple devices
   - iPhone 4S or later
   - iPad Air or later
   - MacBook 12-inch or later
   - MacBook Pro 13-inch or later

Sharing content from Chrome solution to the panel

What is Chromecast?

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

How to use AVer Screen Share app?

1. Enable network connection (Ethernet or WIFI)
2. Open the screen sharing app ( ).
3. If connected via Wi-Fi, please check that the network name displayed on your screen share main page is the same as the network your device is connected to.
4. Use built-in screen mirroring function in your device to search Panel Name.

[Note] Each IFP has different Panel Name. You can find it in Screen Share main page.

5. You can use the Chrome browser and Google Cast (a browser extension for Chrome) to share the desktop or a specific browser tab from your computer.
6. There are two ways to share your content via Chromecast:
   - Use Chrome browser
   - Use built-in screen casting on your Chromebook

To download Chrome browser for your device

1. On your computer, go to google.com/chrome.
2. Click **Download** > for personal computers > Download latest Chrome browser.
3. Follow the on-screen instructions.

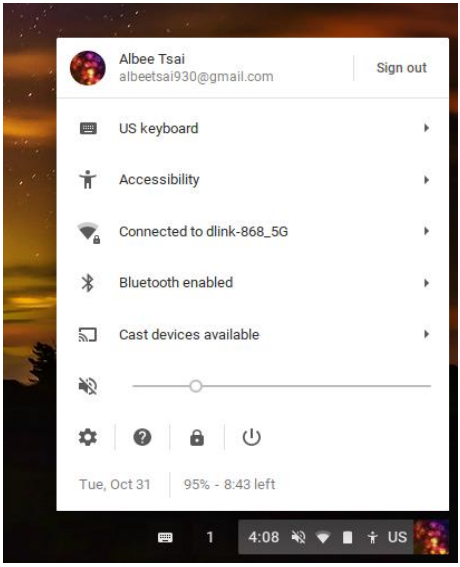
To share content from the Chrome browser to the panel

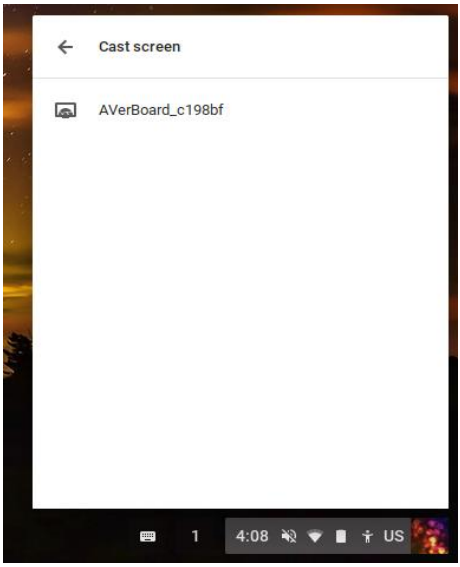
1. In Chrome bowser setting menu, click **Casting**, then select **Panel Name** from the list that you can connect the panel with desktop mode.
2. You can select tab or desktop mode.

To share content from the Chrome book to the panel

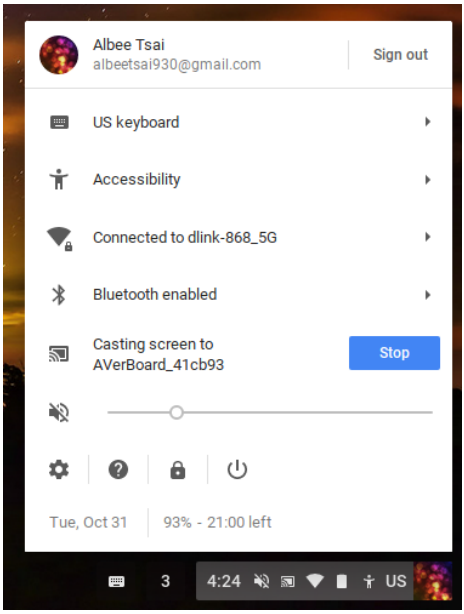
1. In menu, click **Cast devices available**, and then select your **Panel Name** from the list.

[Note] Cast to Desktop is recommended to share your screen.





2. In menu, click Stop for disconnecting.



Troubleshooting

Issue	Solution
Optimal performance	• Make sure your panel and Chrome device are connected to the same wireless network name (SSID) • Make sure your panel and Chrome device are connected to a Wi-Fi network with AP isolation disabled. • AP isolation: Your Wi-Fi network configuration could prevent devices from communicating with Chromecast. In order to resolve this issue, you will need to disable AP (access point) isolation, also known as client isolation, on your router. Please refer to your router documentation to learn how to disable AP isolation. • If you do not have access to your router settings, or if you are attempting to connect through a guest, hotel or public network with AP/client isolation, you will be unable to setup your Chromecast.
Your panel name does not appear in the list of available devices.	• Make sure your computer is on the same network as the panel. • If your panel is using a wired network connection, try connecting it to a wireless network. **[Note]** Wired and wireless networks don't often share the same network subnet. Connecting the panel to a wireless network might help the connection between the panel and a mobile device or computer that's connected wirelessly. Refer to Screen Share Network Requirements document for more details. http://averusa.com/classroom-technology/downloads/AVer-IFP-Screen-Share-Network-Requirements.pdf
The video and audio are out of sync.	• If your network is slow or congested, Screen Share is affected. Contact your administrator. • Not all devices are designed for video encoding for Screen Sharing, so video streaming might not behave as expected. • Sharing videos or playing video games with frequent screen updates requires more network bandwidth. Try reducing the video quality to improve performance. • Screen Share has not been optimized for performance with Chromebooks. For best results, limit usage to static content.

Issue	Solution
Stuttering or poor quality	• Your panel and device should be within ~15 feet (4 meters) of each other. • Make sure both your panel and device are connected to the same Wi-Fi network channel, either 2.4GHz or 5GHz.

Supported Chromebook devices and operating systems

1. Operating system
   - Chrome OS 59 or later
2. Chromebook devices
   - Acer Chromebook C11 C740-C4PE
   - Dell Chromebook11 P22T001
   - HP Chromebook 14 -ak010nr
   - HP Chromebook 14 G4

Sharing content from Windows computer to the panel

What is Miracast?

Miracast is a wireless display standard included in Windows 8.1, windows 10, Android 4.2 and newer versions of these operating systems.

It is the Wi-Fi Direct standard, which allows for point-to-point connection between devices without the use of router.

How to use AVer Screen Share app via Miracast?

1. Open the screen sharing app( )
2. Please make sure your panel and sharing device are in the same network.
3. Use built-in screen mirroring function to search the Panel Name.

[Note] Each IFP has different Panel Name. You can find it in Screen Share main page.

4. If your computer is running Windows 10 or Windows 8.1 operating system, you can use the built-in Miracast protocol to share your screen.
   For earlier versions of Windows OS, you can use the Chrome browser to share content from your Windows device through the Chromecast protocol. Please see Chrome solution.

[Note] Please ensure that any firewalls on your device are configured to allow for Miracast connections.

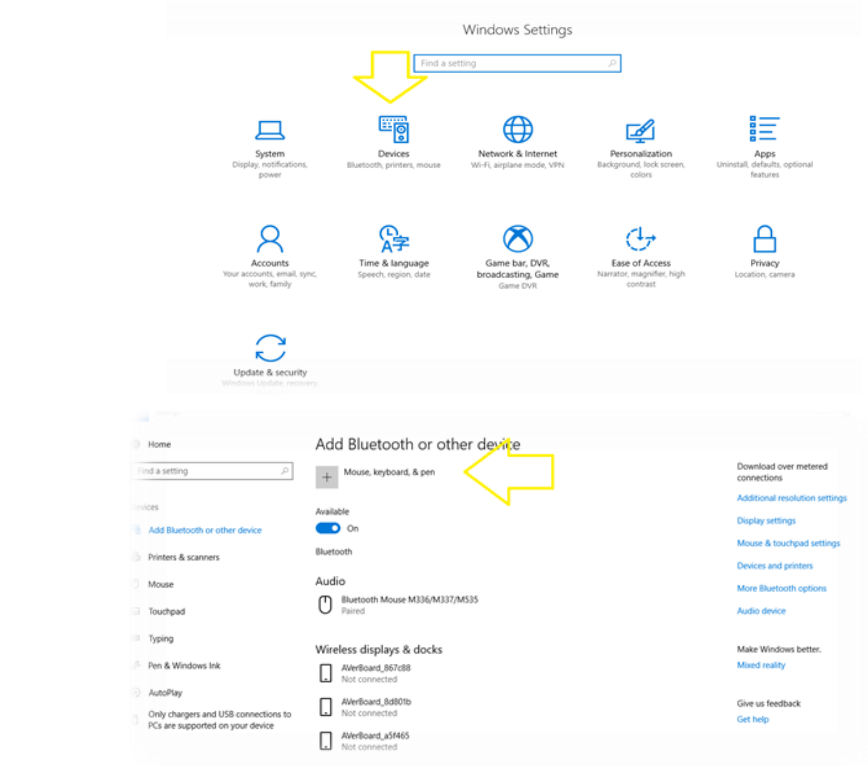
To share content from the Windows 8.1/10 OS (Action center)

1. Go to the action center or Tap Windows key + A that you can connect the panel with desktop mode

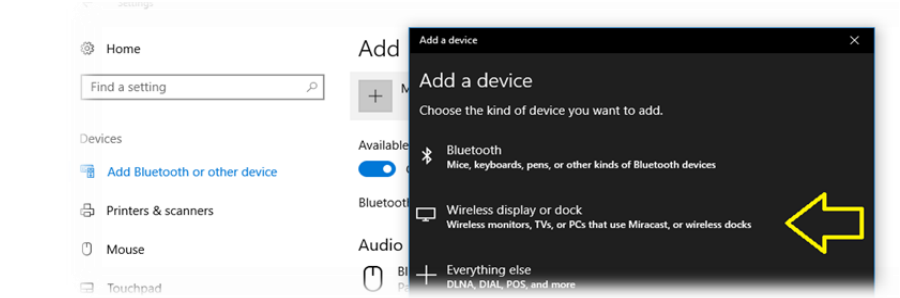
2. Click "Project" button then select an option:
   - ✓ **PC screen only:** No content is shared to the panel.
   - ✓ **Duplicate:** The same content appears on both screens.
   - ✓ **Extend:** The computer's desktop is extended across the computer and panel's screen. You can move items between the two screens.
   - ✓ **Second screen only:** Content is shared to the panel. The computer's screen is blank.
3. Click "**Connect to a wireless display**" and Windows will start search the Miracast devices around you.
4. Click "**disconnect**" to stop the device and panel's sharing.

To share content from the Windows 8.1/10 OS(Windows settings)

1. Go to Windows settings and click devices to add Bluetooth or other device that you can connect the panel with desktop mode.



2. Click Wireless display or dock and Windows will start search the Miracast devices around you.



3. Click “**disconnect**” to stop the device and panel’s sharing.

Troubleshooting

Issue	Solution
My Windows OS is not 8.1 or 10 and I have no built-in Miracast on my Windows device.	• Alternative solution is to download and install Chrome browser onto your Windows device. • Download the Chrome browser from google.com/chrome and install on your device. • Navigate to the Chrome Settings menu in the Chrome toolbar in the upper right corner of your browser-> click “Cast…” • Click Cast desktop. • Choose the panel name you want to cast to.
Optimal performance	• Make sure your panel and Windows device are connected to the same wireless network name (SSID) • Make sure your panel and Windows device are connected to a Wi-Fi network with AP isolation disabled. • AP isolation: Your Wi-Fi network configuration could prevent devices from communicating with Miracast. In order to resolve this issue, you will need to disable AP (access point) isolation, also known as client isolation, on your router. Please refer to your router documentation to learn how to disable AP isolation. • If you do not have access to your router settings, or if you are attempting to connect through a guest, hotel or public network with AP/client isolation, you will be unable to setup your Miracast.
Your panel name doesn’t appear in the list of available devices.	• Make sure your computer is on the same network as the panel. • If your panel is using a wired network connection, try connecting it to a wireless network. **[Note]** Wired and wireless networks don’t often share the same network subnet. Connecting the panel to a wireless network might help the connection between the panel and a mobile device or computer that’s connected wirelessly. Refer to Screen Share Network Requirements documentation for details. http://averusa.com/classroom-technology/downloads/AVer-IFP-Screen-Share-Network-Requirements.pdf
When using Miracast, you can’t add or connect to the panel.	• If you can’t add the panel, wait for it to become ready and then try again. If that doesn’t work, try restarting your computer and display. • If your Windows computer won’t connect to the panel, try removing and then restart app to reconnect again.

Issue	Solution
The video and audio are out of sync.	• If your network is slow or congested, Screen Share is affected. Contact your administrator. • Not all devices are designed for video encoding for Screen Sharing, so video streaming might not behave as expected. • Sharing videos or playing video games with frequent screen updates requires more network bandwidth. Try reducing the video quality to improve performance. • Screen Share has not been optimized for performance with Windows device. For best results, limit usage to static content.
Stuttering or poor quality	• Your panel and device should be within ~15 feet (4 meters) of each other. • Make sure both your panel and device are connected to the same Wi-Fi network channel, either 2.4GHz or 5GHz.

Supported Miracast devices and operating systems

1. Operating system.
   - Windows OS 8 / 10
2. Miracast devices.
   - Dell Inspiron 14 5000
   - HP ProBook 430G2
   - ASUS-PU401LAC
   - Microsoft-Surface Pro 3
   - Microsoft-Surface Pro 4
   - Acer Aspire Z3-615 (AIO)
   - HP Probook 440
   - Dell-Inspirson 3459
   - MSI GS63VR

Sharing content from Android device to the panel

What is Miracast?

Miracast is a wireless display standard included in Windows 8.1, windows 10, Android 4.2 and newer versions of these operating systems. It is the Wi-Fi Direct standard, which allows for point-to-point connection between devices without the use of router.

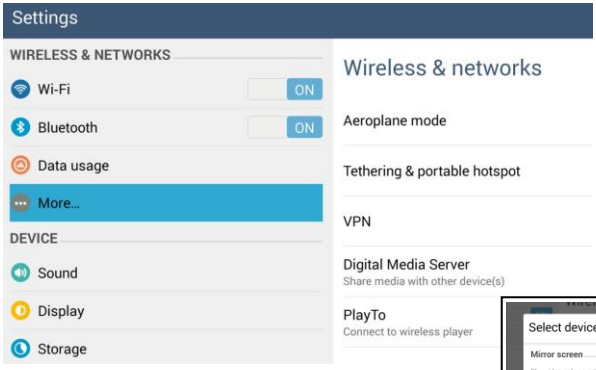
How to use AVer Screen Share app via Miracast or Chromecast?

1. Enable network connection (Ethernet or Wi-Fi)
2. Open the screen sharing app( ).
3. If connected via Wi-Fi, please check that the network name displayed on your screen share main page is the same as the network your device is connected to.
4. Use built-in screen mirroring function to search the Panel Name.

[Note] Each IFP has different Panel Name. You can find it in Screen Share main page.

To share your Android device's screen to the panel

1. In settings, tap **PlayTo**, then select Panel name from the list.



2. Tap "**disconnect**" to stop sharing.

To share your Android device's screen on the panel from the notification shade

1. On your Android device, swipe down to open the notification shade.
2. Look for Screen Mirroring or Smart View or Cast icon, Tap **your selection**.
3. Select your panel name.
   If you don't see the board you want, tap **MORE SETTINGS** to show more panels.
4. Tap "**disconnect**" to stop sharing.

Troubleshooting

Issue	Solution
How do I know my device supports Miracast or Chromecast?	• Android supported Miracast in Android 4.2 (KitKat) and Android 5 (Lollipop). • Google dropped native Miracast support in Android 6 (marshmallow) and later. • If you want to mirror the display from a newer Android phone or tablet, you will need to do so via Chromecast. See Trouble mirroring your Android screen with built-in screen mirroring function? in below section.
Optimal performance	• Make sure your panel and Android device are connected to the same wireless network name (SSID) • Make sure your panel and Android device are connected to a Wi-Fi network with AP isolation disabled. • AP isolation: Your Wi-Fi network configuration could prevent devices from communicating with Chromecast/Miracast. In order to resolve this issue, you will need to disable AP (access point) isolation, also known as client isolation, on your router. Please refer to your router documentation to learn how to disable AP isolation. • If you do not have access to your router settings, or if you are attempting to connect through a guest, hotel or public network with AP/client isolation, you will be unable to setup your Chromecast/Miracast.
Your panel name does not appear in the list of available devices.	• Make sure your computer is on the same network as the panel. • If your panel is using a wired network connection, try connecting it to a wireless network. **[Note]**Wired and wireless networks don't often share the same network subnet. Connecting the panel to a wireless network might help the connection between the panel and a mobile device or computer that's connected wirelessly. Refer to Screen Share Network Requirements document for details. http://averusa.com/classroom-technology/downloads/AVer-IFP-Screen-Share-Network-Requirements.pdf

Issue	Solution
Trouble mirroring your Android screen with built-in screen mirroring function?	• All devices running Android 4.4.2 or higher support the Cast Screen feature. However, some Android devices may not have the necessary power to provide an optimized Screen casting experience. • In order to mirror the screen of your Android phone or tablet, you will need a device running Android 4.4.2 and above as well as Chromecast-compatible device. • Alternative solution is to download and install Google Home app on your Android device. • Download the Google Home app from Google Play Store. • On your Android device, open the Google Home app. • In the top left corner, tap the navigation drawer. • Tap Cast Screen. • Select your Panel Name. **[Note]** Not all mobile devices have been optimized for screen casting.
The video and audio are out of sync.	• If your network is slow or congested, Screen Share is affected. Contact your administrator. • Not all devices are designed for video encoding for Screen Sharing, so video streaming might not behave as expected. • Sharing videos or playing video games with frequent screen updates requires more network bandwidth. Try reducing the video quality to improve performance.
Stuttering or poor quality	• Your panel and device should be within ~15 feet (4 meters) of each other. • Make sure both your panel and device are connected to the same Wi-Fi network channel, either 2.4GHz or 5GHz.

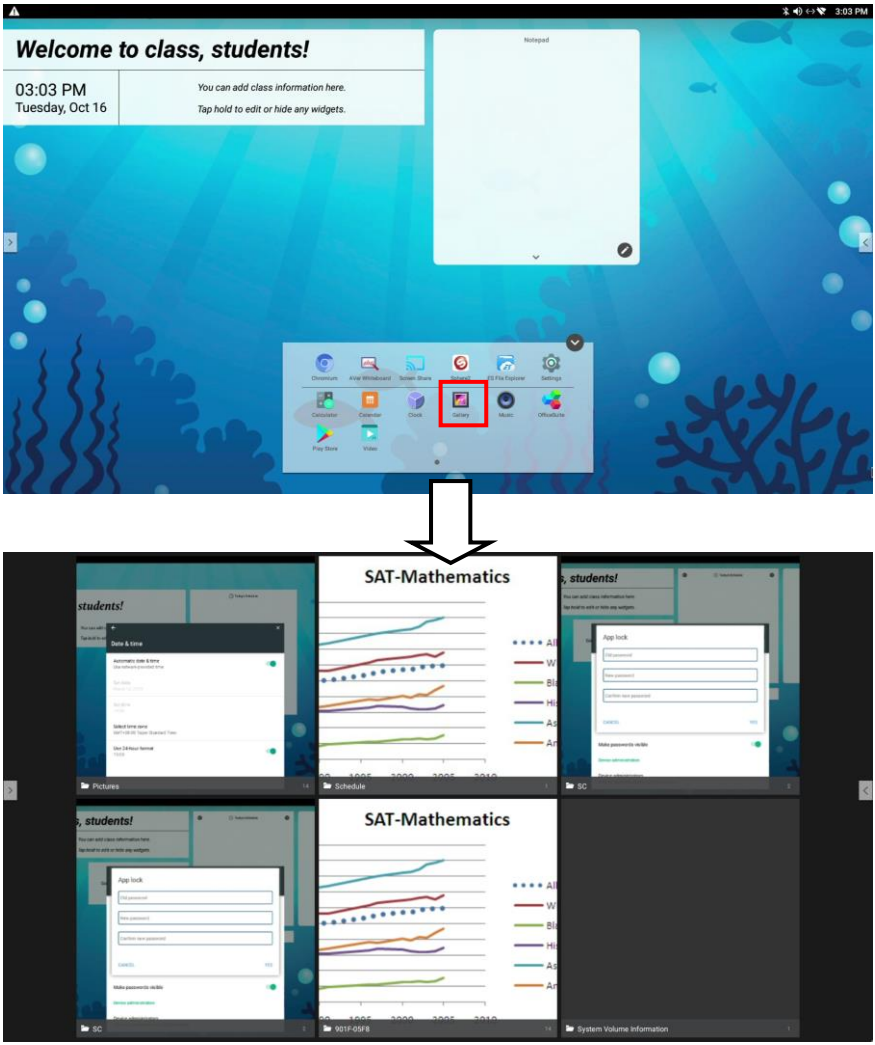
Supported Android devices and operating systems

1. Operating systems
   - Android 5.0.2 or later
2. Android devices
   - Asus P022 (Android Pad)
   - HTC Butterfly 2 (Smart Phone)
   - Asus ZE552KL (Smart Phone)

Gallery

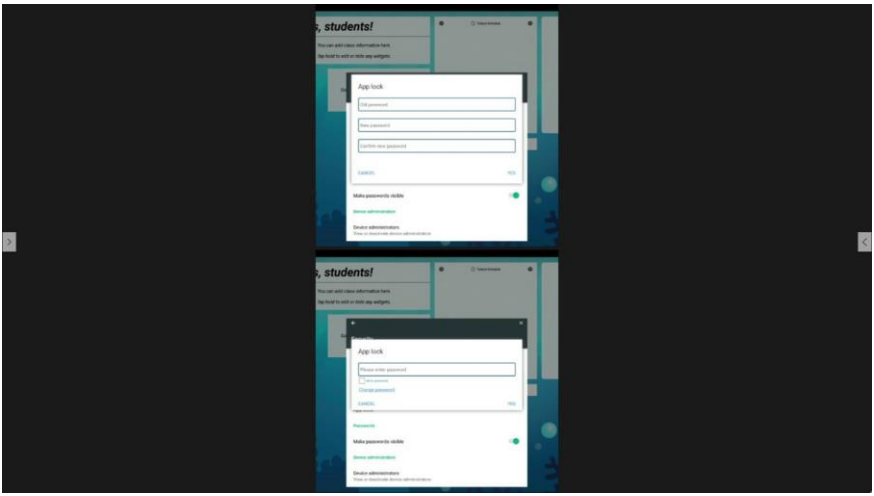
In gallery, user can view screenshots, pictures, and share screenshots/pictures to specific location.

Select “**Gallery**” from app lists at main screen.



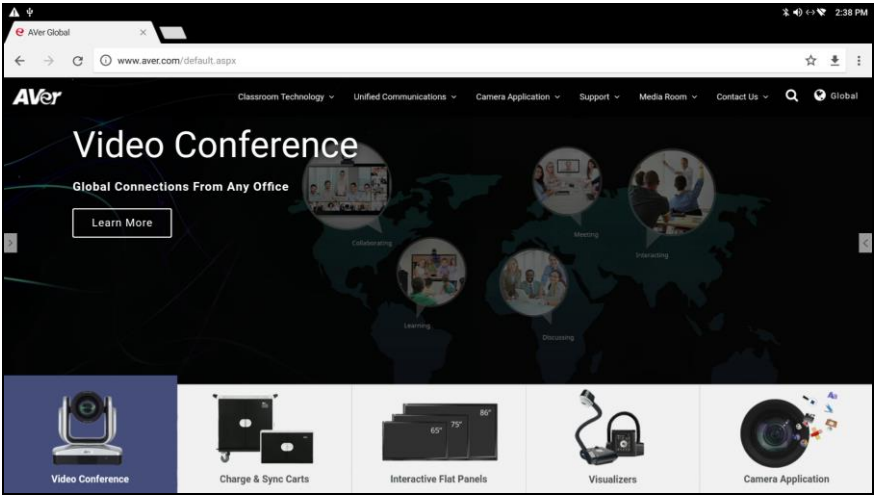
View images

To view the images, select the image or select the folder and select the image to view.



Using Browser

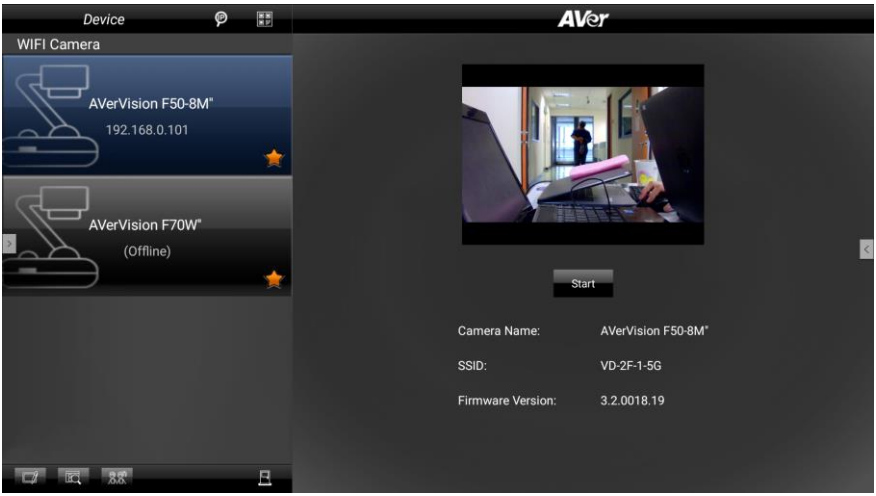
User can operate the browser same as on PC, beside use the finger instead of the mouse. Select the “Chromium” to launch the browser app.



Connect to DocCam

The AVer CP3 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 CP3 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.



6. How to use Sphere2 application; please refer to user manual of Sphere2.

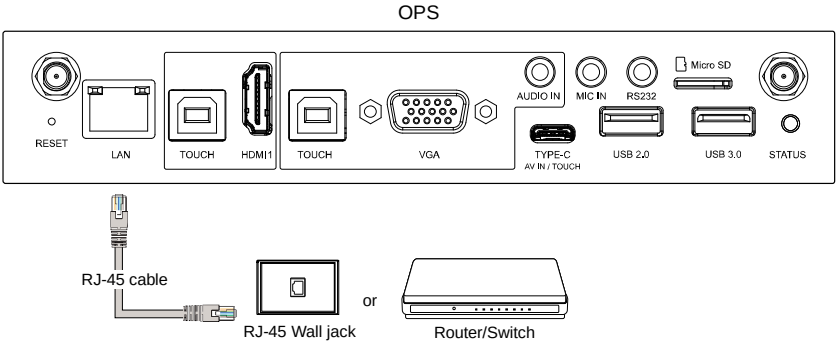
Internet Connection

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

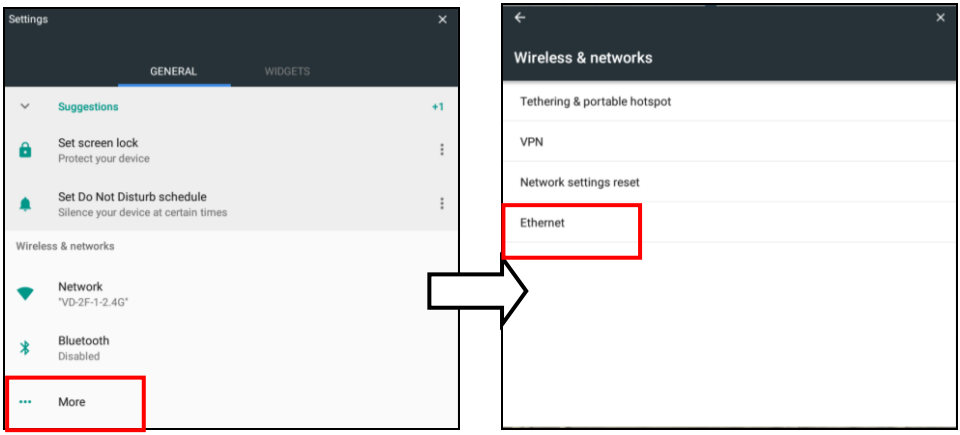
Ethernet connection

Using Ethernet cable connects IFP to your local network.

[Note] Turn off the WiFi function if WiFi connection has connected.



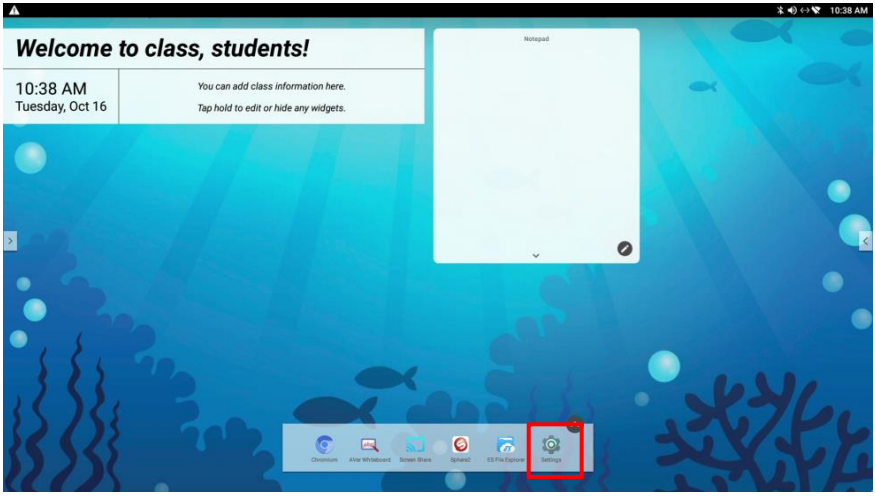
Tap **Settings** > **More** > **Ethernet**.



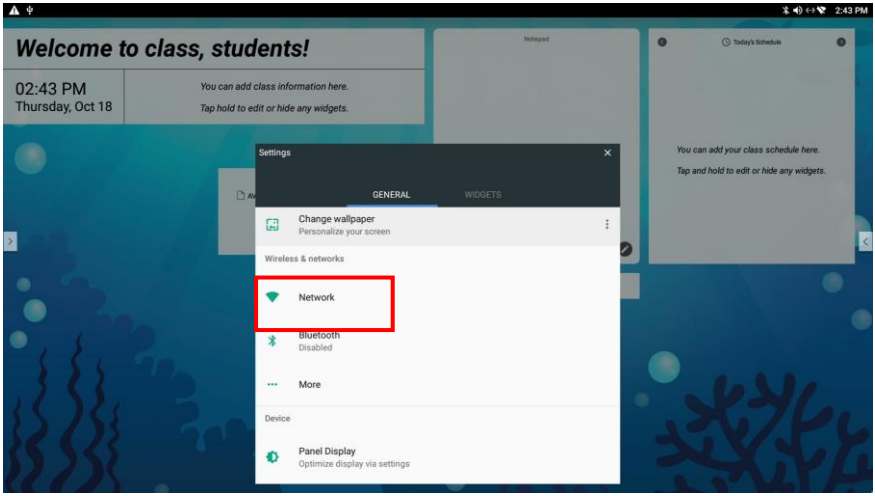
WiFi Connection

Connect IFP to internet through the WiFi AP.

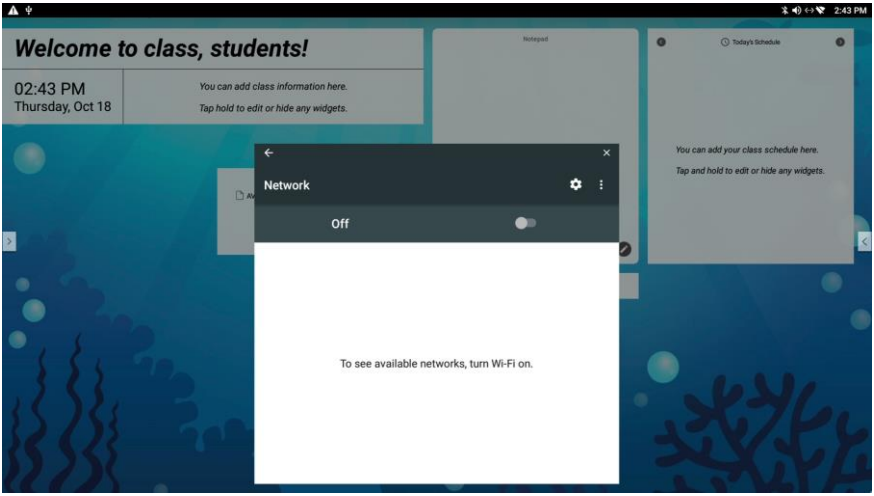
1. Tab the “**Settings**” icon to bring out the Settings page.



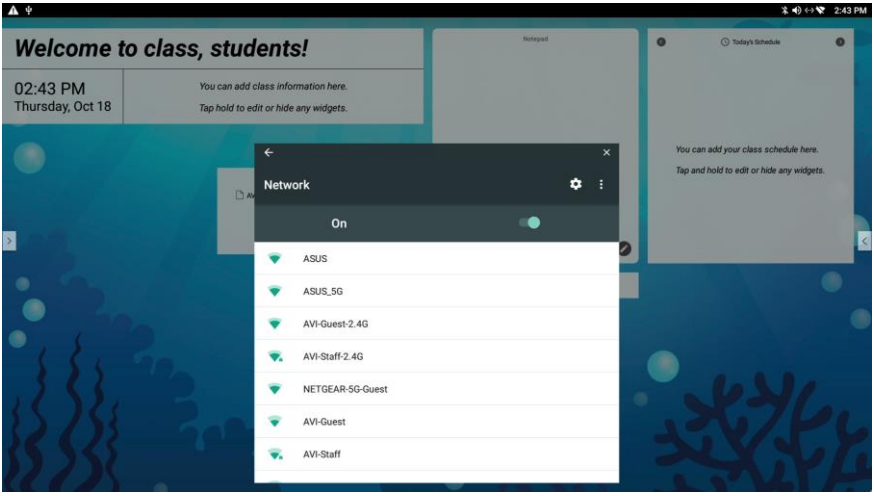
2. In Settings page, tab “**Network**”.



3. Set WiFi to “**On**”.



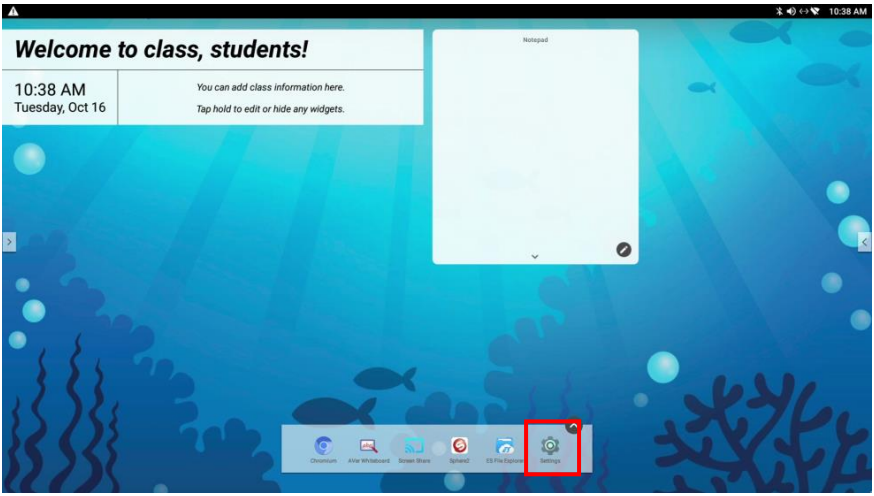
4. Select available Wi-Fi networks to connect to.



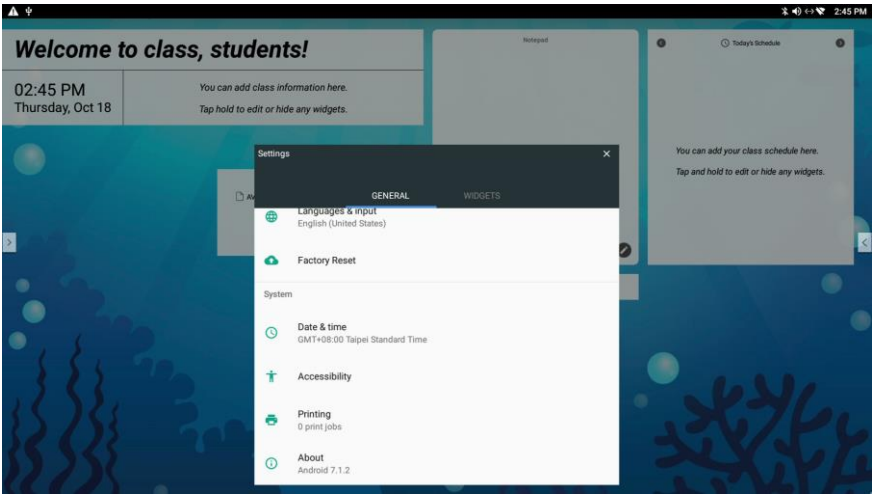
Adjust Date and Time

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

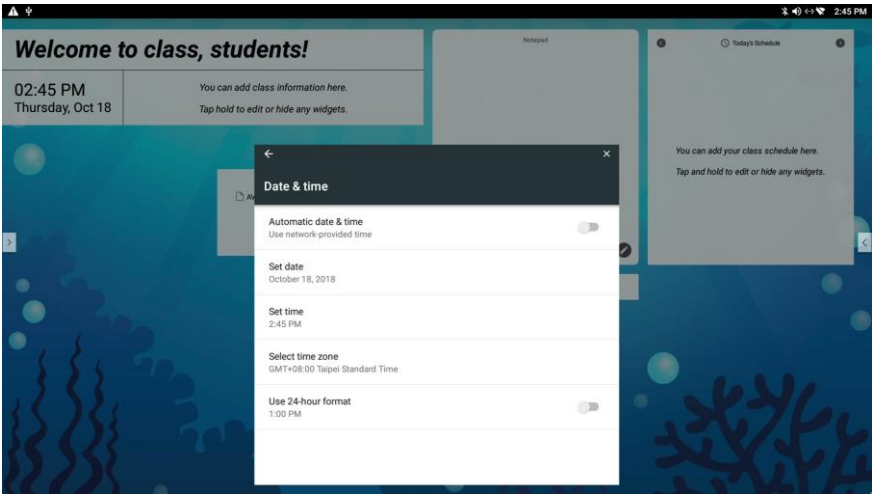
[Note] The internet connection is required for auto date and time adjustment.



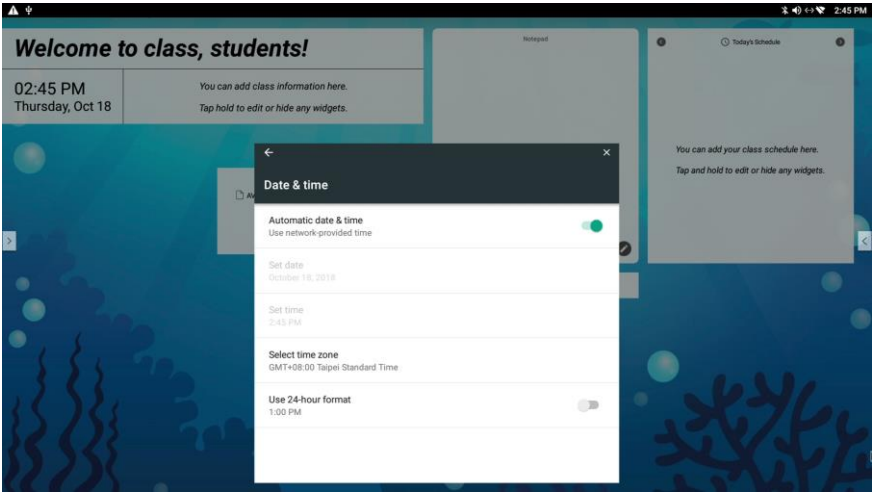
2. In Settings page, tab “**Date & Time**”.



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



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



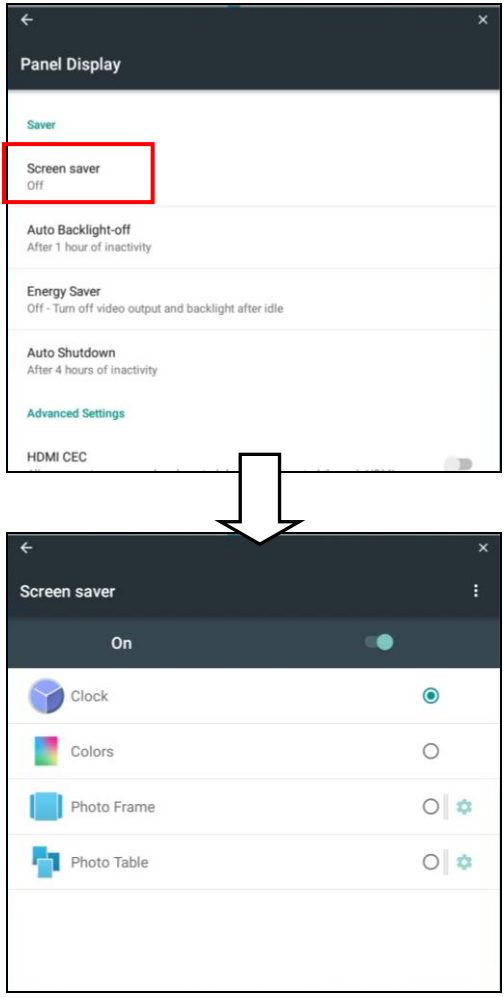
Power Saving

The IFP provides several type of power saving modes – Screen saver, Auto Backlight off, Energy saver, Manual Backlight off.

Screen Saver

Enable IFP to screen protect mode after IFP system is idle in certain time.

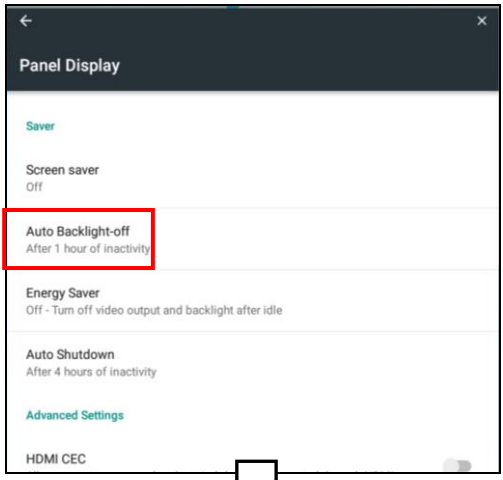
1. Tap **Settings** >**Panel Display** > **Saver** > **Screen Saver** > **On**.
2. Then, select the screen saver display – Clock, Colors, Photo Frame, or Photo Table.

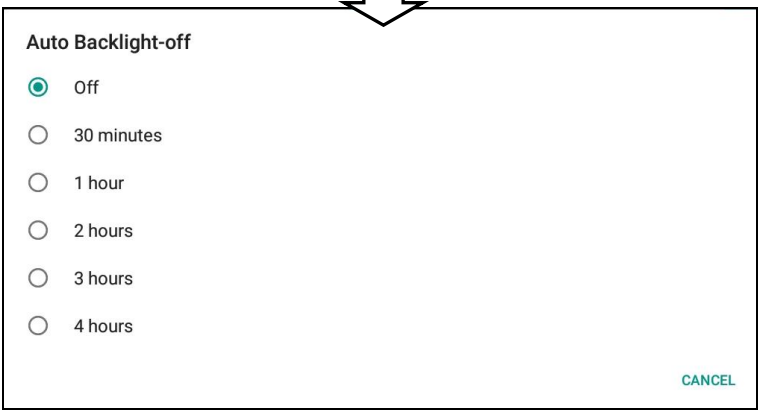


Auto Backlight-Off

The IFP will turn the backlight off after certain idle time that user has set. While backlight is off, the system operation still working only screen is off.

1. Tap **Settings** >**Panel Display** > **Saver** > **Auto Backlight-Off**.
2. Then, select the time that after system idle how long the IFP will switch off the backlight.

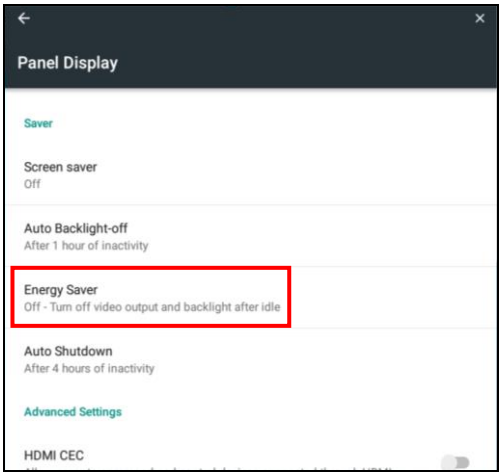




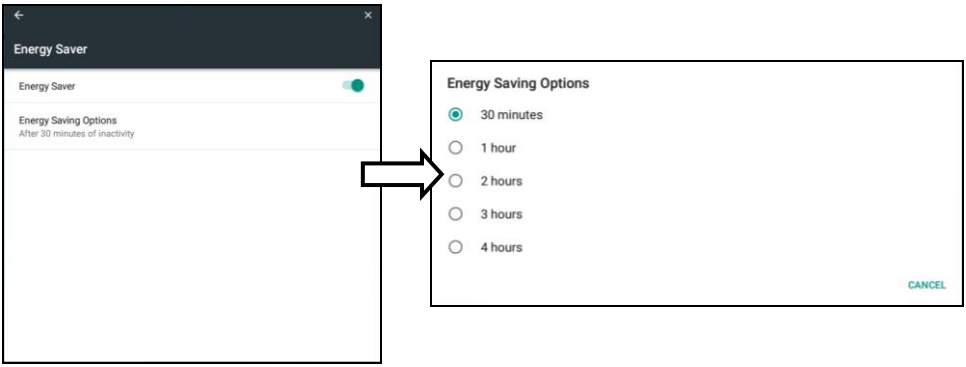
Energy Saver

The IFP will turn the backlight off after certain idle time that user has set. While backlight is off, the apps and video outputs will be stop operating.

1. Tap **Settings** >**Panel Display** > **Saver** > **Energy Saver > On**.



2. Then, select the "**Energy Saving Options**" to set the energy saver start time.

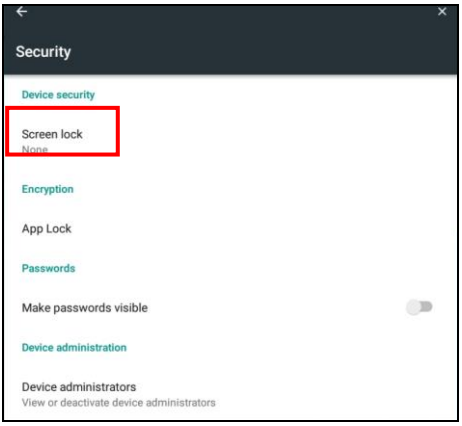


Screen Lock

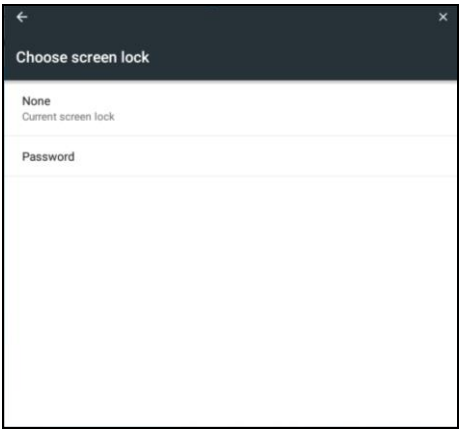
Protect screen by password.

[Note] Screen lock function is work with **Screen saver** and **Backlight-off** function.

1. Enable Screen saver or Backlight-off function (Please refer to Power Saving section).
2. Tap **Settings** > **Security** > **Screen lock**.

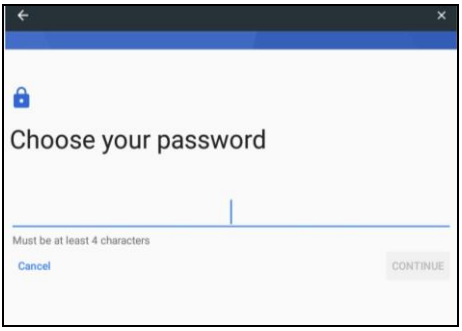


3. Tap “**Password**” option to set password protection.

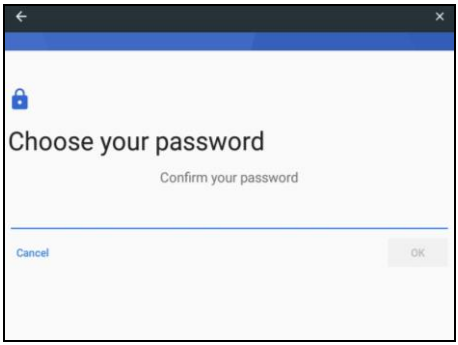


4. Select “**Require Password to start device**”.

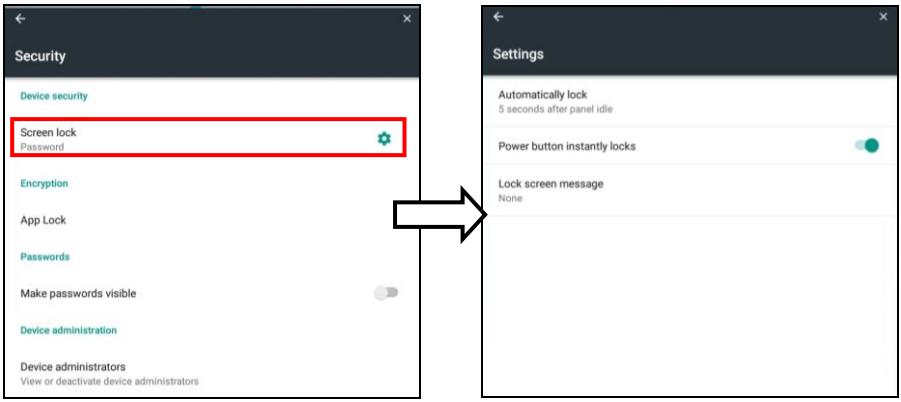
5. Set the password (at least 4 digits) and tap “**Continue**”.



6. Re-enter the password to confirm and tap “**OK**”.



7. After screen lock has set, user can select lock mode – Automatically lock, Power button instantly locks, lock screen message.

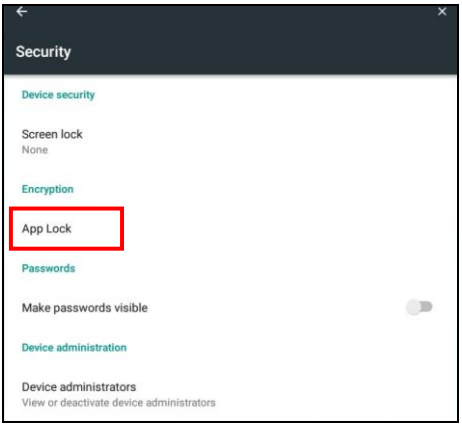


8. To disable screen lock, tap **Settings** > **Security** > **Screen Lock** and enter the password user has set. Then, select “**None**” to disable the screen lock.

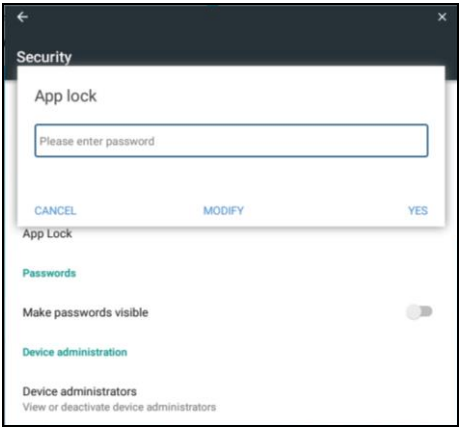
App Lock

Protect the app with password.

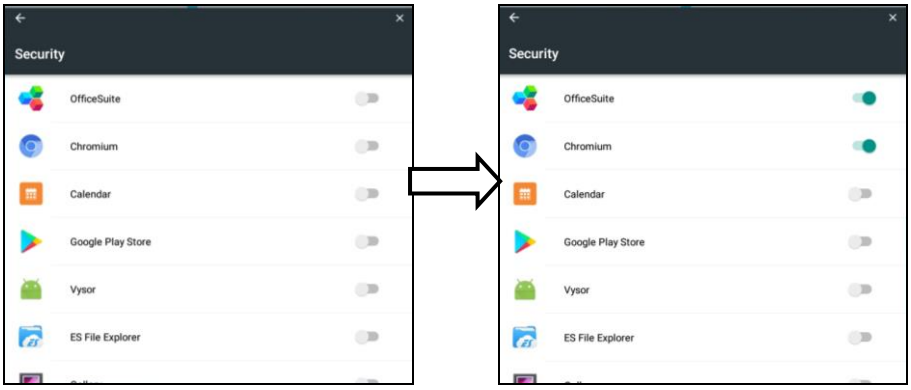
1. Tap **Settings** > **Security** > **App lock**.



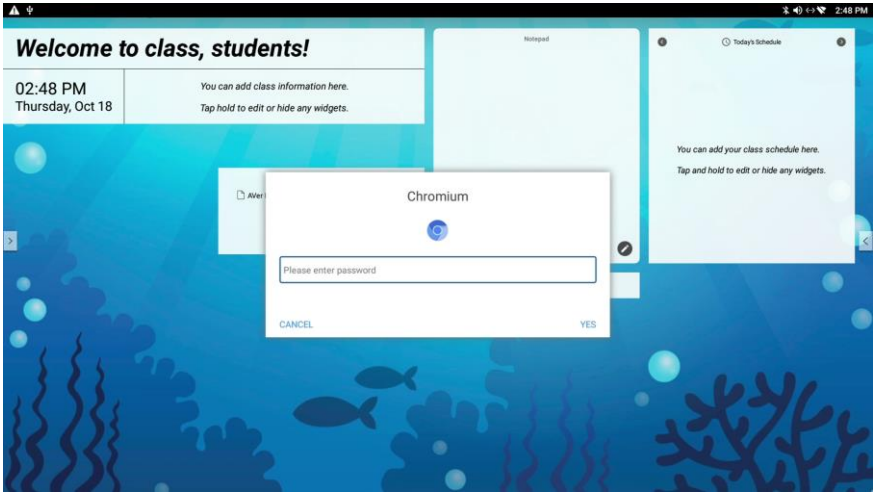
2. Enter the password that user wants to set.



3. Select the apps that want to be protected by password.

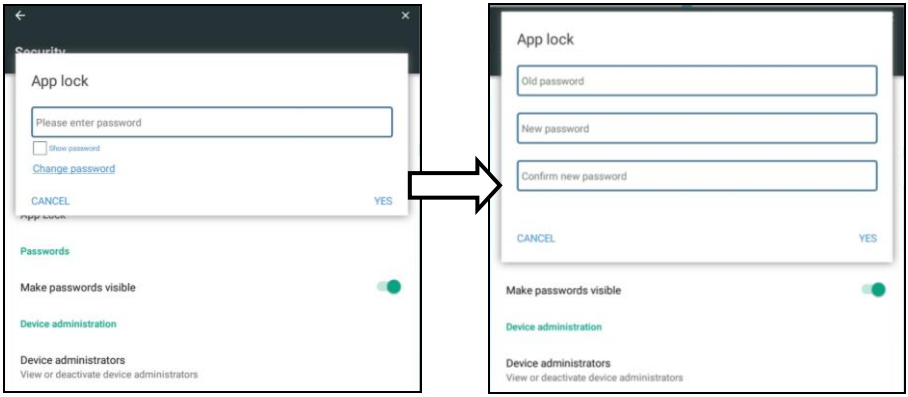


4. After selecting apps, tap ← to back to last screen.
5. When user tap the app, a password is required.



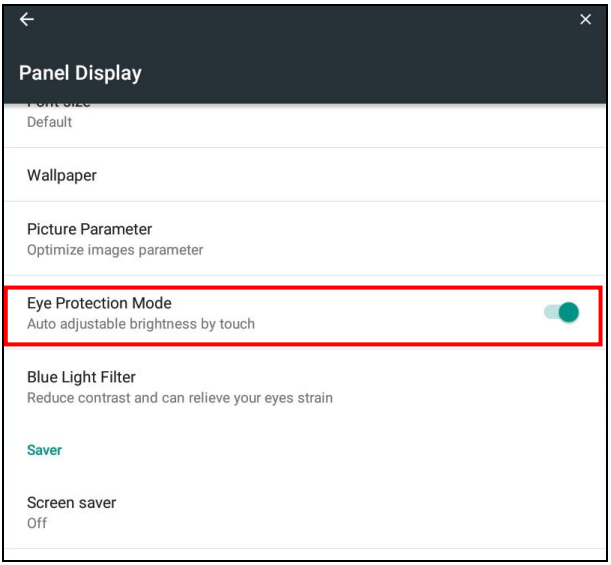
6. To un-lock the locked app, tap **Settings** > **Security** > **App Lock** > Enter password > un-selected the app.

7. **Change App Lock password.** Tap **Settings** > **Security** > **App Lock** > **Change password**. Enter the old password, then, enter the new password and re-enter new password to confirm. Tap “**YES**” to change the password.



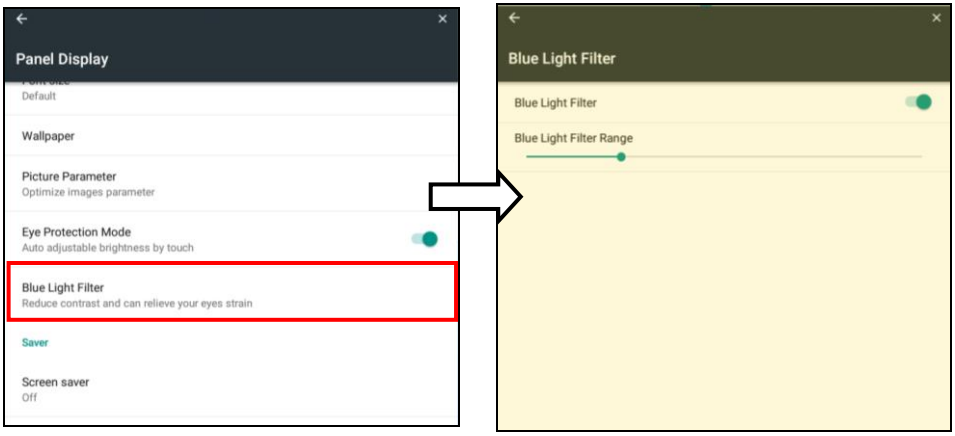
Eyes Protection Mode

Auto adjusts the IFP screen's brightness by touching.
When user touches the IFP screen, the brightness will adjust to comfortable status for eyes.
Tap **Settings** > **Panel Display** > Enable the "**Eye Protection Mode**".



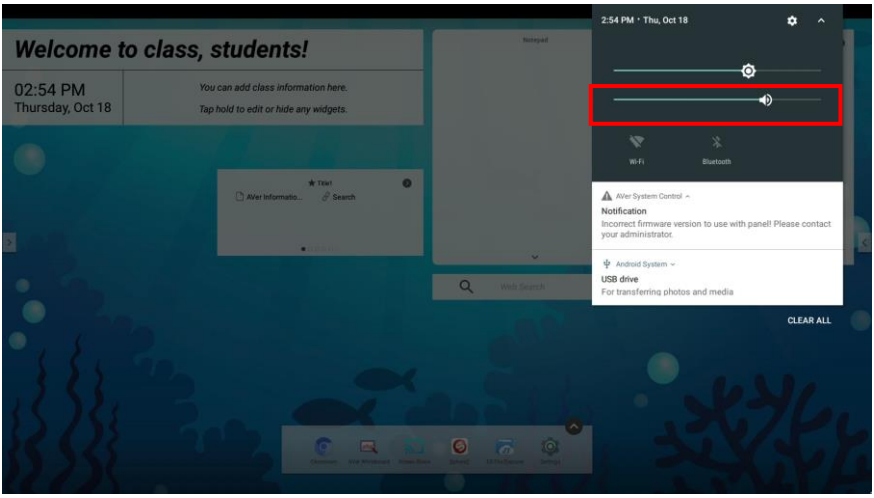
Blue Light Filter

Reduce the contrast for eyes relief.
Tap **Settings** > **Panel Display** > Enable the "**Blue Light Filter**". Move the dot to adjust blue light filter range.



Volume Adjustment

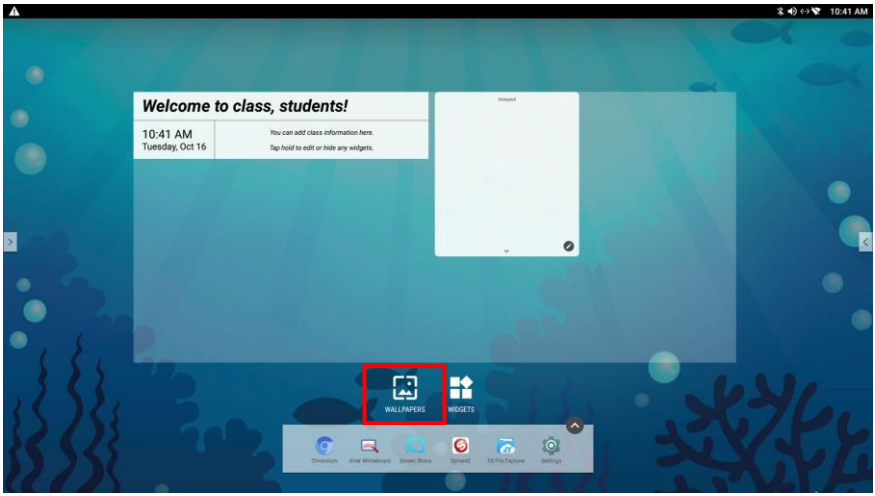
Press and on IFP front panel can adjust system volume. Press to mute the sound. Or wipe-down the notice column and expand it. Then, move the volume adjust bar to adjust volume.



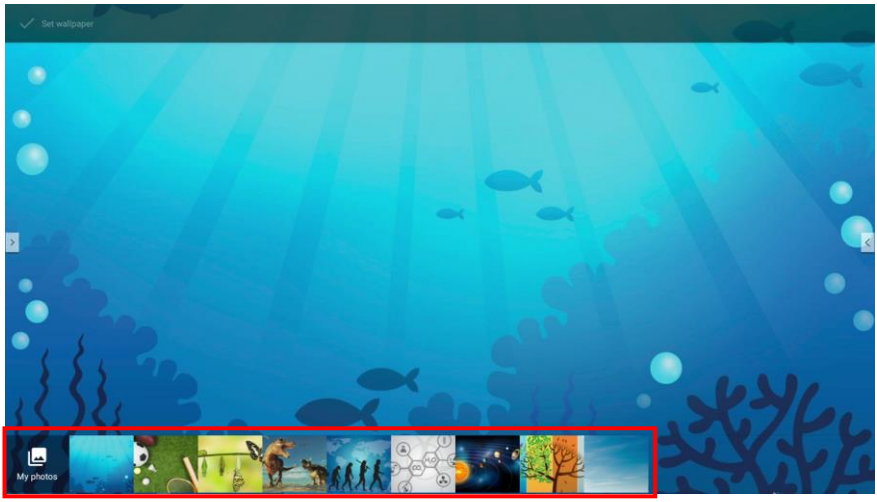
Wallpaper

Change the wallpaper.

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

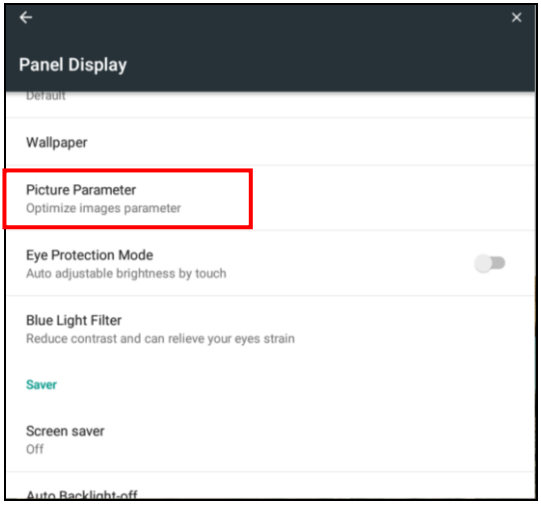


2. Select the “**Wallpaper**” and select the wallpaper in system default. Or select “**My Photos**” to select other picture to be the wallpaper.



Picture Parameter

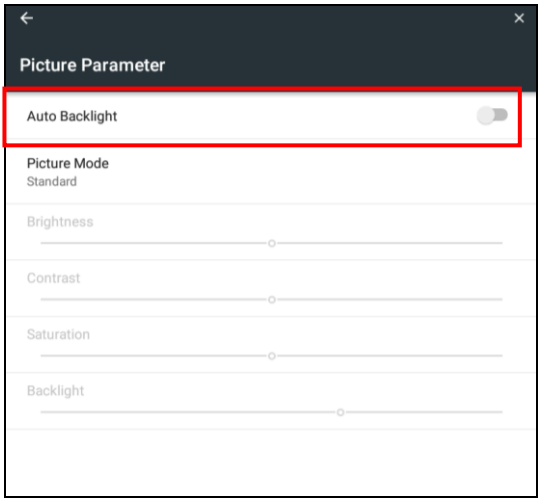
Enable/disable auto backlight and setup picture mode.



- **Auto Backlight**

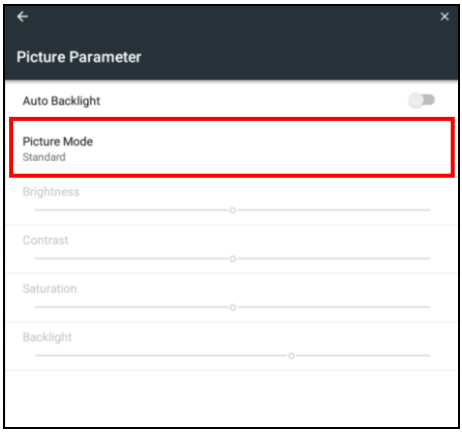
Enable/disable auto backlight. The IFP system will auto adjust the backlight through the ambient sensor on the IFP device.

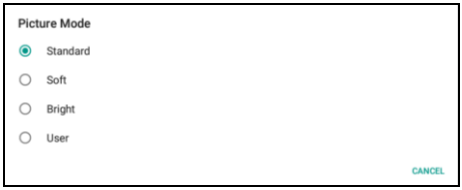
Tap **Settings** > **Panel Display** > **Picture parameter** > **Auto backlight**.



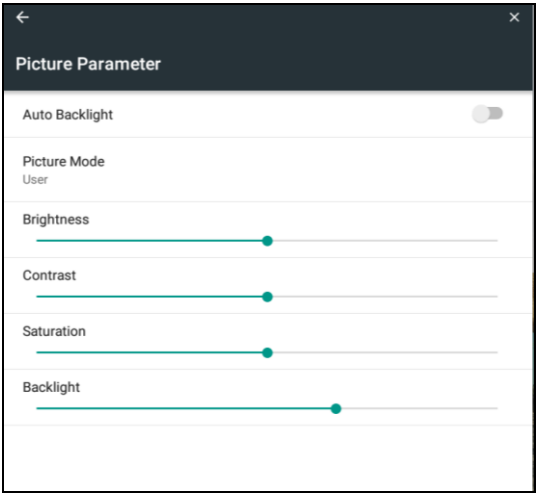
■ **Picture Mode**

Tap **Settings** > **Panel Display** > **Picture parameter** > **Picture mode**.



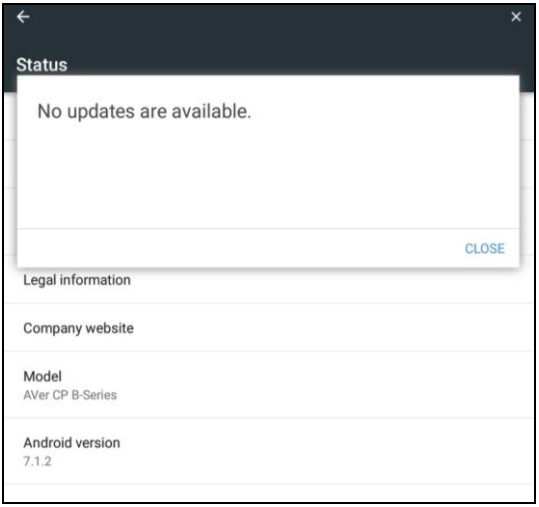


When select “**User**” picture mode, user can manually adjust the value of brightness, contrast, saturation, and backlight.



System Update

Tap **Settings** > **About** > **System update** and system update will start.
The system update takes time; we recommend to do the system update when the machine 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

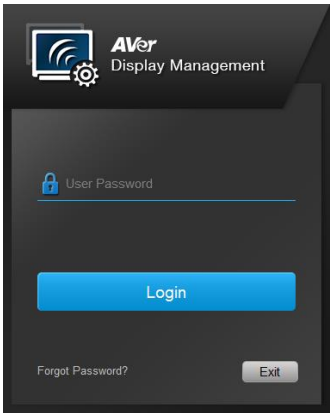
http://www.aver.com/download-center

Minimum Server System Requirements

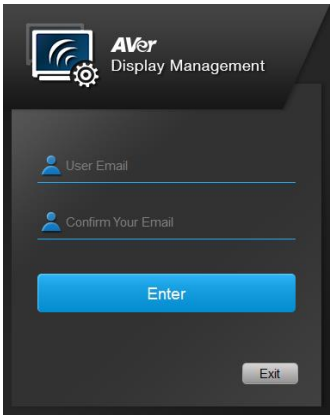
- **Operating System** : Win 7 / Win8 / Win10
- **CPU** : Intel Core 2 Duo 2.00GHz or later
- **RAM** : 1 GB of RAM (2 GB recommended)
- **Resolution** : 1024 x 768 or higher resolution display
- **Graphic card** : DirectX 9.0c compatible video card
- **Hard Disk** : 500 MB free hard disk space for basic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

Login

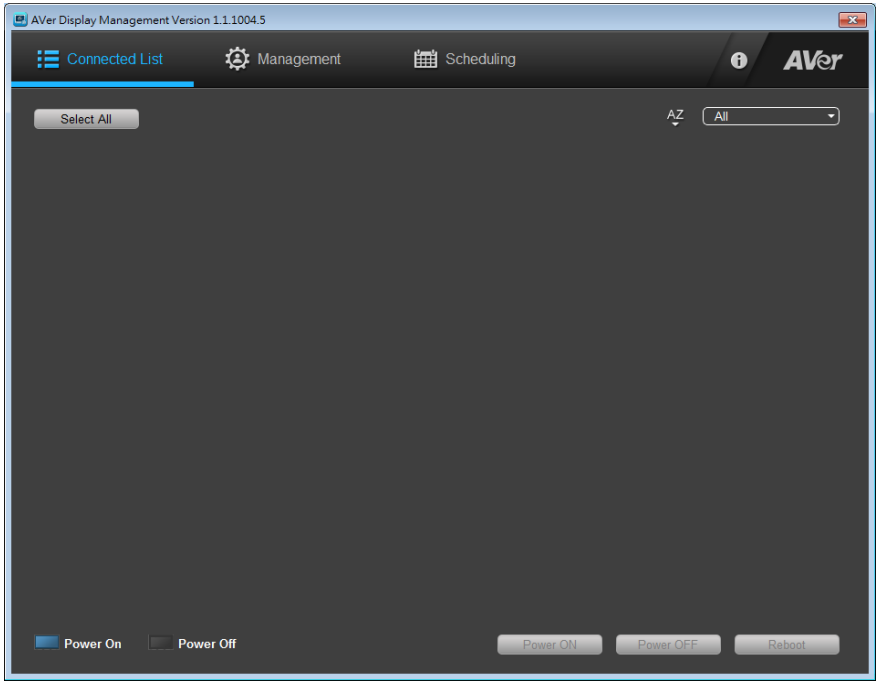
1. Run the AVer Display Management application.
2. The login dialog is displayed. Enter the password; for the first time login, the default password is “**admin**”.



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.

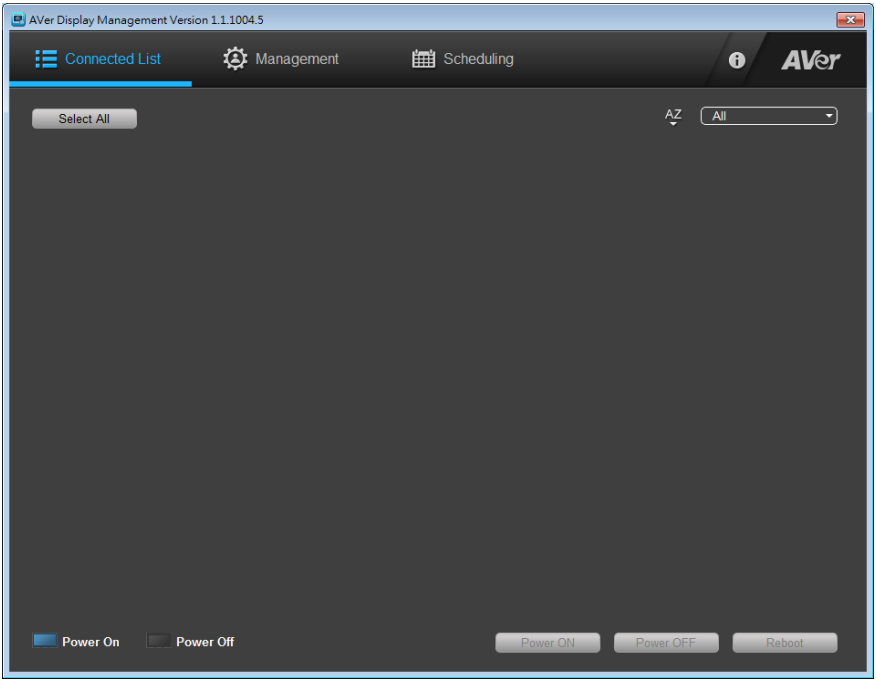


5. After login, the Display Management UI is displayed.

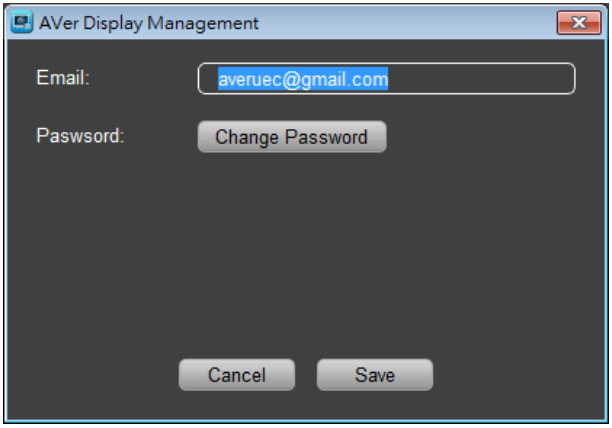


Change Password

1. Select “ ” icon.

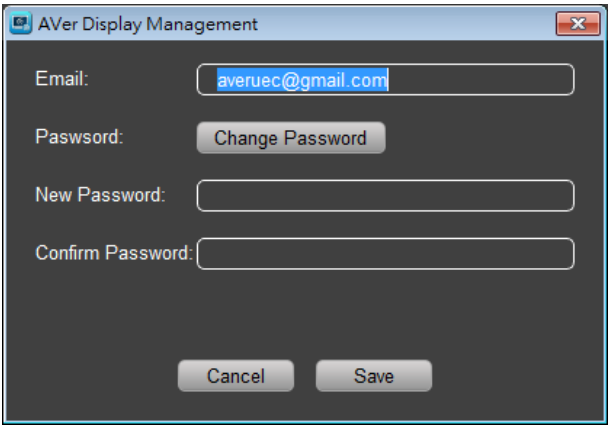


2. The email and password dialog will show up.



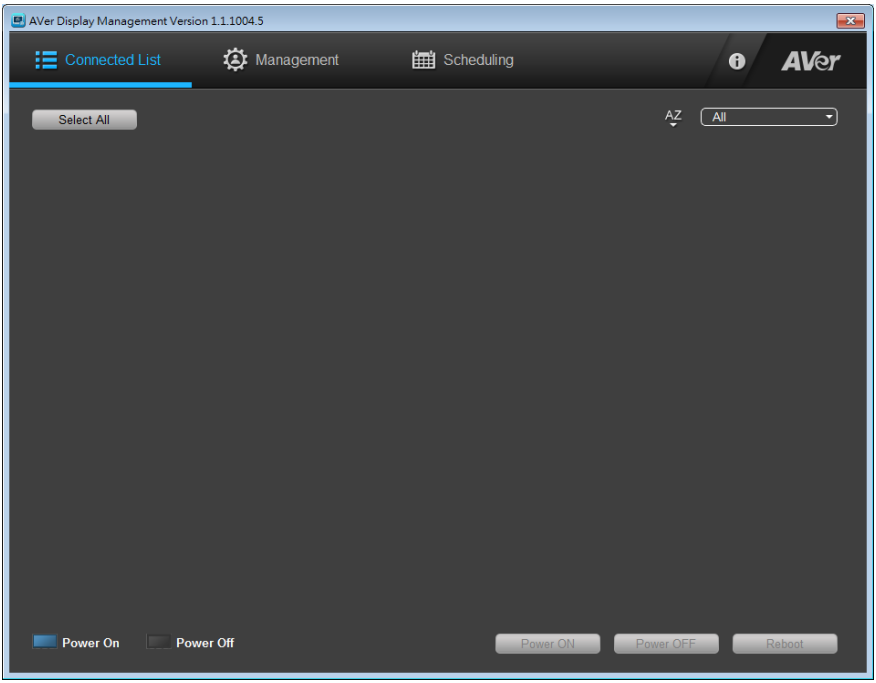
3. Select “**Change Password**”. Then, enter the new password and re-enter the new password to confirm.

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

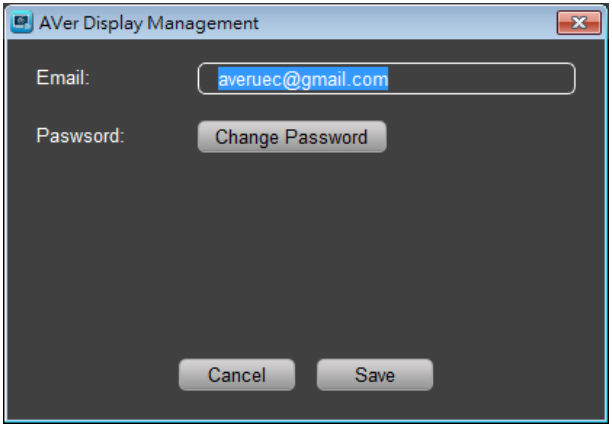


Change Email

1. Select “ ” icon.

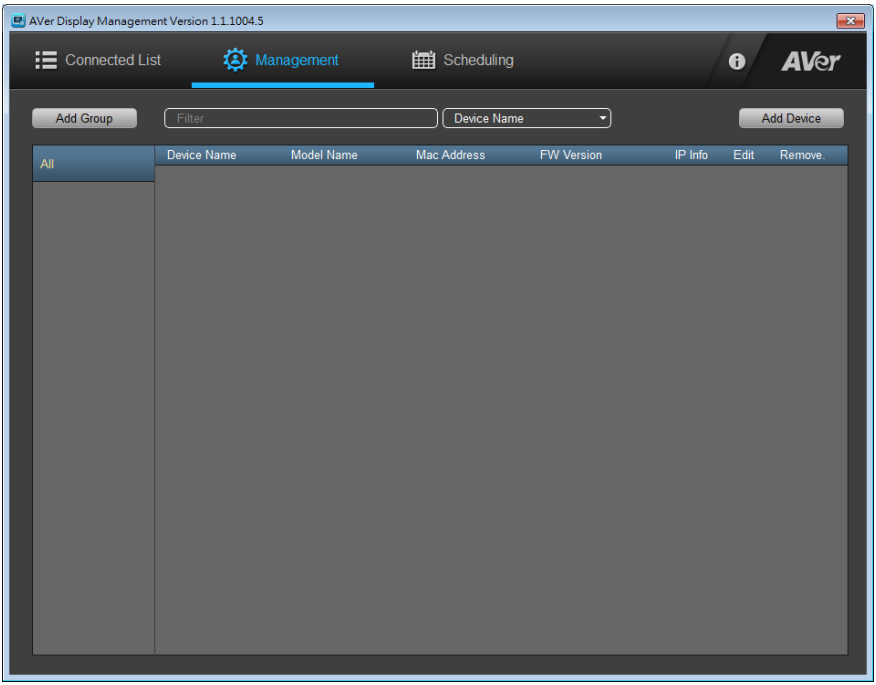


2. The email and password dialog will show up.
3. Enter the new Email address. Then, select “**Save**” to save the changes.



Add IFP Device

1. Select “**Management**”.

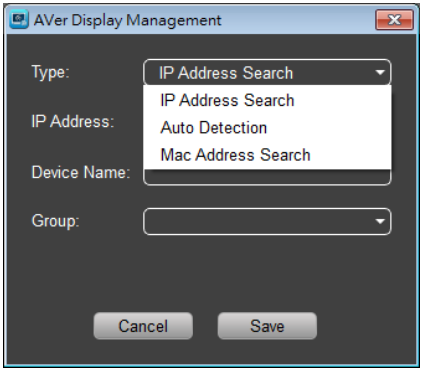


2. Click “**Add Device**”.
3. In Add Device dialog, you can choose “**IP Address Search**”, “**Auto Detection**”, or “**Mac Address Search”** to find the IFP device on your LAN network.

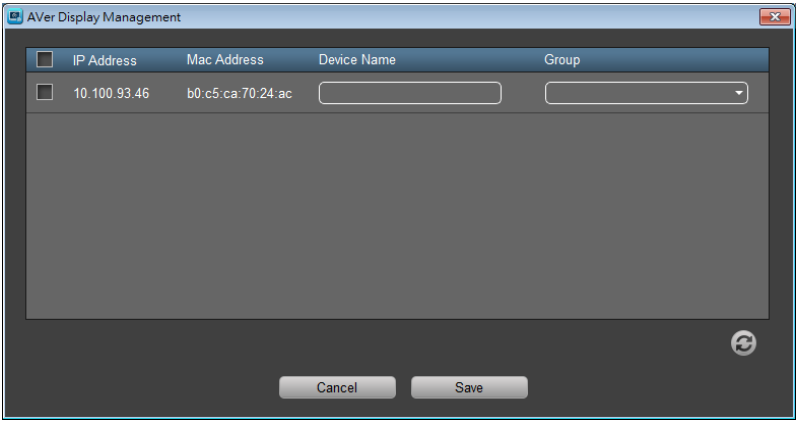
[Note]

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

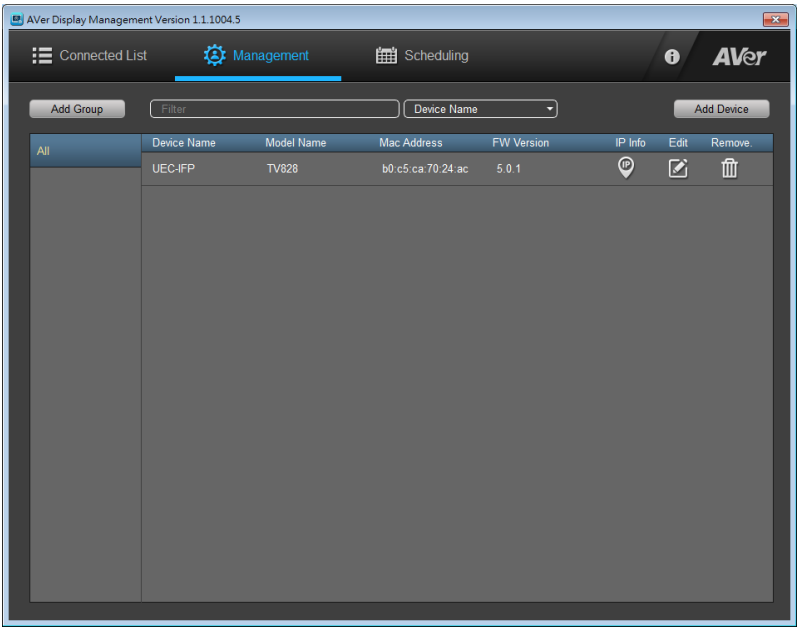
b. The IFP devices and Display Management must be in the same network.



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.



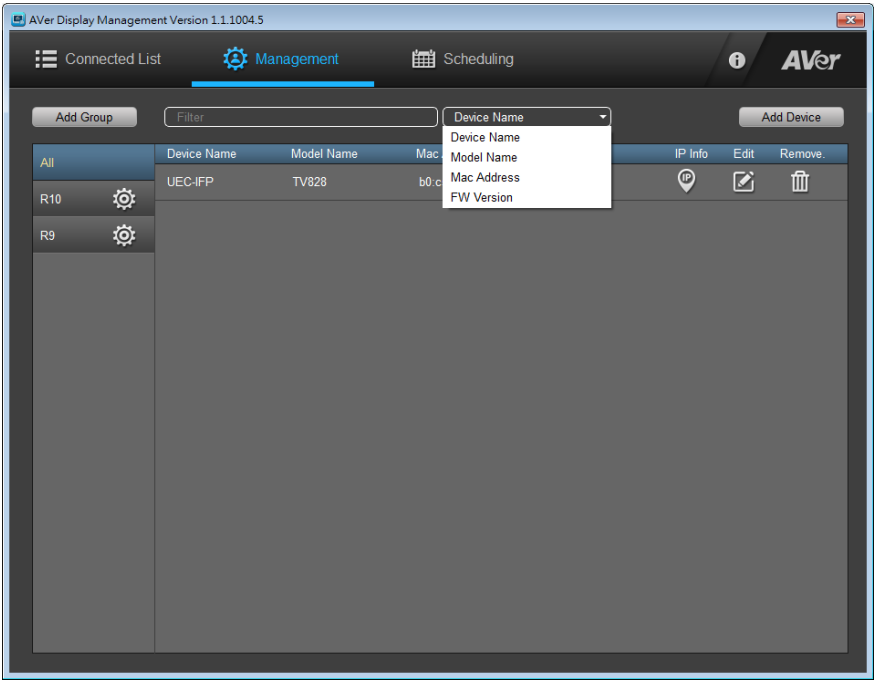
6. The added IFP device will be listed in management list.
   - ✓ : View IFP device’s IP, mask, and gateway information.
   - ✓ : Edit IFP’s device name.
   - ✓ : Delete IFP device from management list.



Filtering IFP Device

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

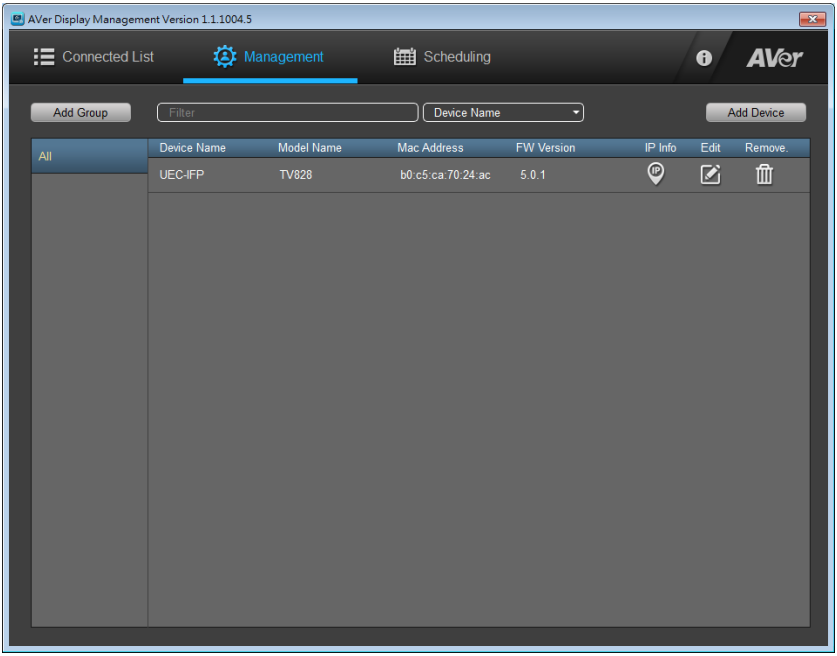
Select the filter condition – Device Name, Model Name, Mac Address or FW Version or enter the specific words to filter. Then, the filter result will display.



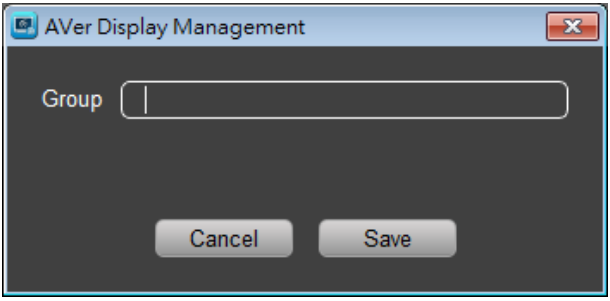
Add Group

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

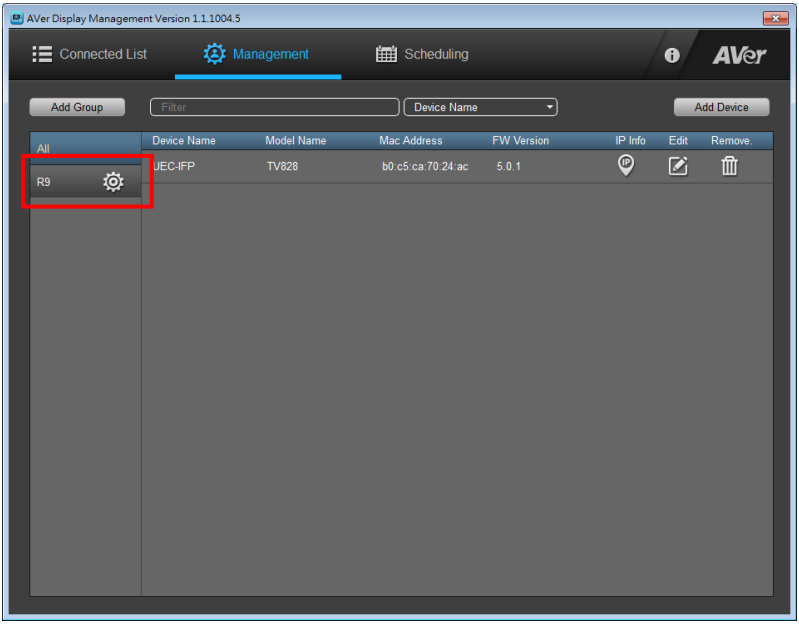
1. Select “**Add Group**” in Management screen.



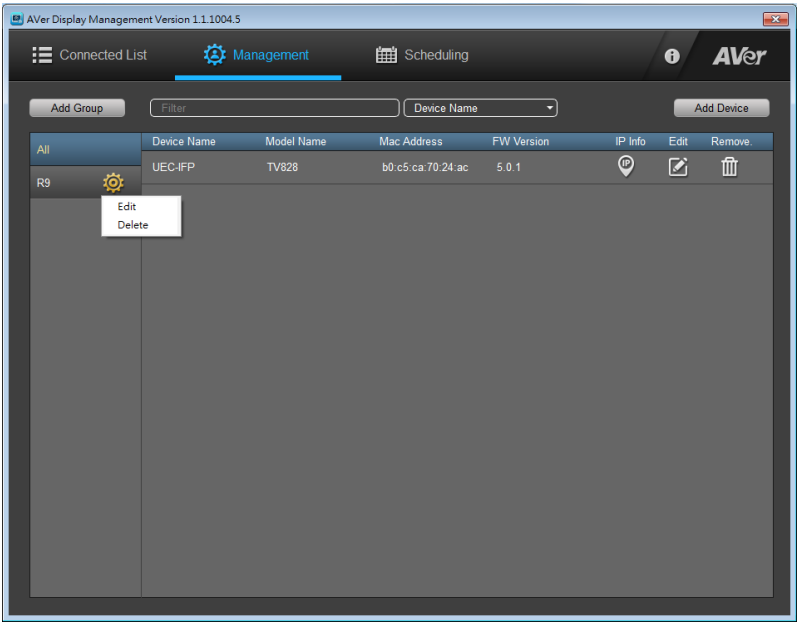
2. Enter the group name in Group dialog and select “**Save**”.



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.

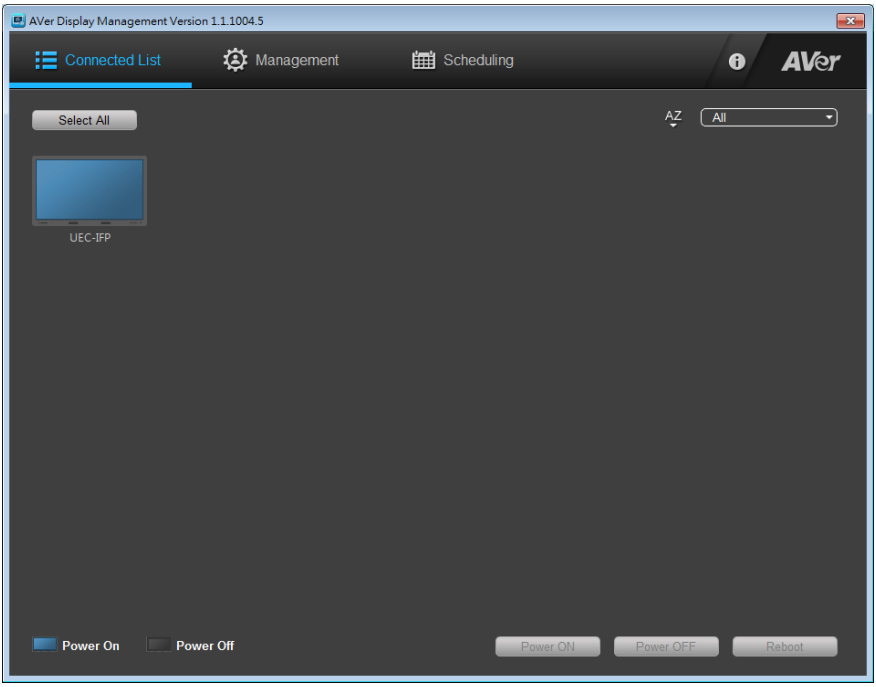
[Note]

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.

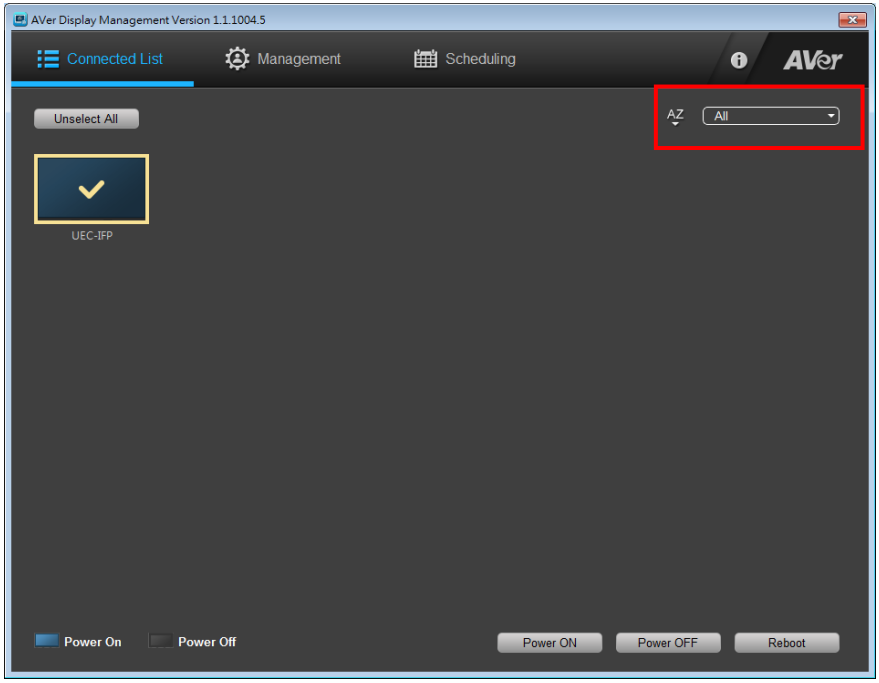


1. Select “**Connected List**”.
2. Select the IFP devices from screen list or select “**Select All**”. The selected IFP device will be marked. Then, select “**Power on**”, “**Power Off**”, or “**Reboot**” button to execute.

[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.

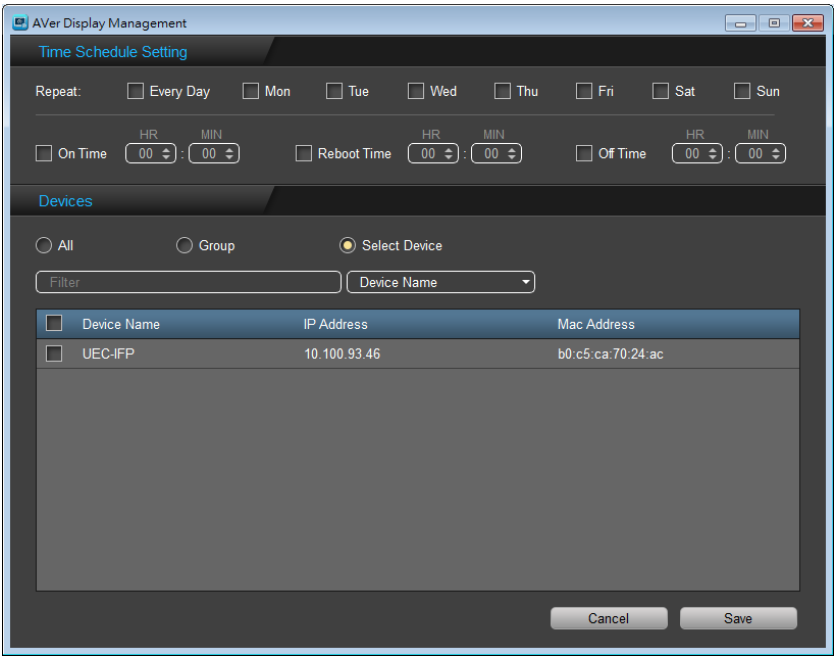
[Note]

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.

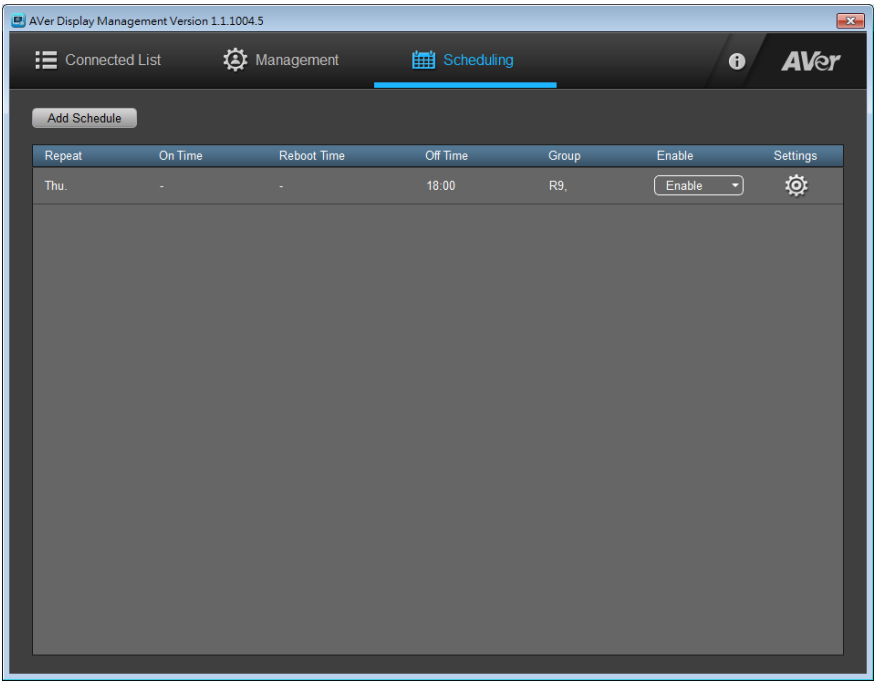
[Note] When select ‘Every Day” schedule, Mon to Sun will be all marked. If un-select one of day, then, the “Every Day” schedule is invalid.

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

Specification	CP3-65i(CP654IB)
Display Backlight	LED
Display Ratio	Landscape 16:9
Resolution	UHD3840 x 2160
LCD Brightness	450cd/m2
Contrast Ratio (typical)	1200:1
Response Time (typical)	≦6ms
Viewing Angle	178˚
Display Colors	UHD 10 bit, 1.07 Billion colors
Power Consumption	180W (system bootup)
Power rating	100-240V ~50/60Hz, Max 3A
Touch Surface Material	Tempered Glass 4mm Level 7 MoHS
Touch Surface Technology	Anti-Glare Glass
Transparency	>88%
Touch Sensor	Infrared
Touch Points	20 points (Win/Android);
	Multi touch gesture on MAC
	1 point for Chrome
Touch Screen Writing Tools	Writing Pen or Finger
Positioning Accuracy	±1mm (90% area)
Communication Interface	USB-B x 4 (1x front, 3x back) / Type-C x1
Life Time	Up to 50,000hrs
Frame Material	Aluminum
CPU	Dual-core ARM Cortex-A72 1.8Ghz processor and Quad-core ARM Cortex-A53 1.4Ghz processor
GPU	ARM Mali-T860MP4
Android Version	Android 7.1

Specification	CP3-65i(CP654IB)
RAM	4GB
ROM	32GB
Speaker Position	Forward
Speaker Max.Power Output	16W x 2
Operation Environment	Relative Humidity ≤80% Operation Temperature 0～+40℃ above Storage Temperature -10～+60℃
Dimension (without packing)	930.8 mm(L) x 1514.8(W) mm x 109.4(H) mm 59.64”(L) x 4.31”(W) x 36.65”(H)
Packing Dimension	1660mm(L) x 245 mm(W) x 1045 mm(H) 65.35”(L) x 9.65”(W) x 41.14”(H)
Net weight	110 lbs (49.65kg ± 1.5kg) (incl. wall mount)
Gross Weight	140 lbs (63.45Kg ± 1.5kg)
Wall Mount Bracket	Included
VESA Mount Installation Position	500 x 400mm (4 x M6)
Mini PC mount	75x75mm or 100x100mm

Specification	CP3-75i(CP754IB)
Display Backlight	LED
Display Ratio	Landscape 16:9
Resolution	UHD3840 x 2160
LCD Brightness	450cd/m2
Contrast Ratio (typical)	1200:1
Response Time (typical)	≦8ms
Viewing Angle	178°
Display Colors	UHD 10 bit, 1.07 Billion colors
Power Consumption	330W (system bootup)
Power rating	100-240V ~50/60Hz, Max 5A
Touch Surface Material	Tempered Glass 4mm Level 7 MoHS
Touch Surface Technology	Anti-Glare Glass
Transparency	>88%
Touch Sensor	Infrared
Touch Points	20 points (Win/Android);
	Multi touch gesture on MAC
	1 point for Chrome
Touch Screen Writing Tools	Writing Pen or Finger
Positioning Accuracy	±1mm (90% area)
Communication Interface	USB-B x 4 (1x front, 3x back) / Type-C x1
Life Time	Up to 50,000hrs
Frame Material	Aluminum
CPU	Dual-core ARM Cortex-A72 1.8Ghz processor and Quad-core ARM Cortex-A53 1.4Ghz processor
GPU	ARM Mali-T860MP4
Android Version	Android 7.1
RAM	4GB

Specification	CP3-75i(CP754IB)
ROM	32GB
Speaker Position	Forward
Speaker Max.Power Output	16 x 2
Operation Environment	Relative Humidity ≤80% Operation Temperature 0～+40℃ above Storage Temperature -10～+60℃
Dimension (without packing)	1063.5(L) mm x 1745(W) mm x 106.7(H) mm 68.70”(L) x 4.20”(W) x 41.87”(H)
Packing Dimension	1880 mm(L) x 280 mm(W) x 1160 mm(H) 74.10”(L) x 11.02”(W) x 45.67”(H)
Net weight	146 lbs (65.95kg ± 1.5kg) (incl. wall mount)
Gross Weight	189 lbs (85.70kg ± 1.5kg)
Wall Mount Bracket	Included
VESA Mount Installation Position	600 x 400mm (4 x M8)
Mini PC mount	75x75mm or 100x100mm

Specification	CP3-86i(CP864IB)
Display Backlight	LED
Display Ratio	Landscape 16:9
Resolution	UHD3840 x 2160
LCD Brightness	400cd/m2
Contrast Ratio (typical)	1200:1
Response Time (typical)	≦8ms
Viewing Angle	178˚
Display Colors	UHD 10 bit, 1.07 Billion colors
Power Consumption	380W (system bootup)
Power rating	100-240V ~50/60Hz, Max 5.5A
Touch Surface Material	Tempered Glass 4mm Level 7 MoHS
Touch Surface Technology	Anti-Glare Glass
Transparency	>88%
Touch Sensor	Infrared
Touch Points	20 points (Win/Android);
	Multi touch gesture on MAC
	1 point for Chrome
Touch Screen Writing Tools	Writing Pen or Finger
Positioning Accuracy	±1mm (90% area)
Communication Interface	USB-B x 4 (1x front, 3x back) / Type-C x1
Life Time	Up to 50,000hrs
Frame Material	Aluminum
CPU	Dual-core ARM Cortex-A72 1.8Ghz processor and Quad-core ARM Cortex-A53 1.4Ghz processor
GPU	ARM Mali-T860MP4
Android Version	Android 7.1
RAM	4GB

Specification	CP3-86i(CP864IB)
ROM	32GB
Speaker Position	Forward
Speaker Max.Power Output	16W x 2
Operation Environment	Relative Humidity ≤80% Operation Temperature 0～+40℃ above Storage Temperature -10～+60℃
Dimension (without packing)	1209.3(L) mm x 1998.3(W) mm x 114.3(H) mm 78.67”(L) x 4.50”(W) x 47.61”(H)
Packing Dimension	2140 mm(L) x 280 mm(W) x 1340 mm(H) 84.05”(L) x 11.02”(W) x 52.76”(H)
Net weight	189 lbs (85.50kg ± 1.5kg) (incl. wall mount)
Gross Weight	237 lbs (107.3kg ± 1.5kg)
Wall Mount Bracket	Included
VESA Mount Installation Position	700 x 400mm (4 x M8)
Mini PC mount	75x75mm or 100x100mm

[Note]

- The capacity of internal memory is subject to actual configuration;
- The cache capacity is subject to actual configuration
- If you discover any unclear presentation, mistake or omission in this manual, please contact us immediately.

Multimedia Supported Formats

Type	Format	File Extension
Image	JPEG、BMP、PNG	.jpg\.bmp\.png
Video	MPEG1、MPEG2、MPEG4、H264、RM、RMVB、MOV、MJPEG、VC1、DivXFLV	.avi\.mpg\.dat\.vob\.div\.mov\.mkv\.rm\.rmvb\.mp4\.mjpeg\.ts\.trp\.wmv\.asf\.flv
Audio	MP3、M4A（AAC）	.mp3\.m4a

RS-232 Pin Definition

Pin define			
DB9		3.5mm ST	
2	RX	1	RX
3	TX	2	TX
5	GND	3	GND

RS-232 Send Command Table

Baud Rate : 115200 bps

Data bits: 8 bits

Parity: None

Stop bits: 1 bits

Send Format: Device ID(Default 0x00) + 0x52 + 0x04 + 0x00 + Command + Data[0] + Data[1] + 0x50 + Checksum(*1)

Receive Format: Device ID(Default 0x00) + 0x50 + 0x04 + 0x80(*2) + Command + Data[0] + Data[1] + 0x52 + Checksum(*1)

*1 xor : Exclusive-or operator

*2 Receive Success Check Code : 0x80(Success Command), 0x81(Invalid Command), 0x82(CheckSum Fail)

[Example]

Set Input Source VGA

Send Format: 0x00 + 0x52 + 0x04 + 0x00 + 0x02 + 0x03 + 0x00 + 0x50 + 0x07

Receive Format: 0x00 + 0x50 + 0x04 + 0x80 + 0x02 + 0x03 + 0x00 + 0x52 + 0x87

Function	Command	Data[0]	Data[1]
Power	0x01	0x00 : Stand By 0x01 : Power On	0x00
Input Source	0x02	0x00 : HDMI 0 (Front) 0x01 : HDMI 1 0x02 : HDMI 2 0x03 : VGA 0x04 : Type C 0x05 : OPS	0x00
Set ID	0x05	0x00 : Only one 0x01~0xFF :1~255	
Auto backlight mode	0x10	0x00 : Disable 0x01 : Enable	0x00
Brightness	0x11	0x00~0x64 : Value[0 ~ 100]	0x00
Sound mode	0x25	0x00 : Standard 0x01 : Music 0x02 : Movie 0x03 : User 0x04 : Remove	0x00
Wi-Fi	0x30	0x00 : Off 0x01 : On	0x00
Back to last step	0x35	0x00	0x00
Android HOME	0x37	0x00	0x00

RS-232 Transmission Specifications

Start bit	: 1 bit
Data bit	: 8 bit
Stop bit	: 1 bit
Parity bit	: None
X parameter	: None
Baud rate (Communication speed)	: 115200bps

RS-232 Communication Format

Device ID Code(1 Byte)	0x00	0x00
Receive Device Code (1 Byte)	0x52	0x52
Data Length Code(1 Byte)	0x04	0x04
Type Code (1 Byte)	0x00	0x10
Command Code (1 Byte)	RS-232 Send Command Table	RS-232 Get Command Table
Data[0] Code (1 Byte)	RS-232 Send Command Table	0x00
Data[1] Code (1 Byte)	RS-232 Send Command Table	0x00
Send Device Code (1 Byte)	0x50	0x50
CheckSum Code (1 Byte)	XOR	XOR

Format	Device ID + Receive Device + Length + Type + Command + Data[0] + Data[1] + Send Device + CheckSum	
Example	Power On Command: 0x00 + 0x52 + 0x04 + 0x00 + 0x01 + 0x01 + 0x00 + 0x50 + 0x06	Get Input source : 0x00 + 0x52 + 0x04 + 0x10 + 0x02 + 0x00 + 0x00 + 0x50 + 0x14

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
Pictures are colorless	Color saturation is set too low	Enter “Picture” settings to increase the color saturation
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 “PC Screen Adjustment” to adjust the horizontal or vertical
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
The white noise problem has occurred on screen when MAC computer connect with HDMI in 3840 x 2160 30Hz setting	Might be the compatibility issue	Please change to HDMI 4 connection for normal output

Symptom	Possible Cause	Solution
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
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
MAC /Win extend desktop touch control won't work.		AVer CP3 series don't support touch control on extend desktop.
In 1366*768 resolution, Windows touch offset and cannot do the screen correction.		1366*768 resolution doesn't fit on AVer CP3 series screen display, please change to the suitable resolution.