User Manual **IFPD** (Interactive Flat Panel Display)

• All the contents in this manual are subject to change without notification.



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1. Important safety instructions

icon	Name	Meaning
A	Warning	In case of electric shock, serious injury or death
Â	Caution	Minor injury or damage may occur

Please read this manual carefully before operating the product.

Caution :

The product may differ depending on the model, and specifications are subject to change without notice for improvement.

Warning :

- To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.
- To prevent injury, this product must be securely attached to the floor/wall in accordance with the installation instructions.
- To reduce the risk of electric shock, do not remove the back cover.
- Refer to qualified service personnel if needed.

Caution: 🖄

Any unauthorized damage to the inner side of the monitor will void the warranty. The manufacturer does not warrant against damage caused by improper maintenance and repair work by others.

Important safeguards for customers and their products :

Product has been tested to be safe in manufactured. However, improper use may result in electric shock or fire hazard. In order to implement the safety device built into the new product and to prevent accidents, careful read the user's manual and install it. Following safety precautions and keep it for future use.

Notice :

Display is not certified for use in patient diagnostics. It is the responsibility of the hospital or clinic to be used for the right diagnosis products. DICOM is a registered trademark of NEMA for standard publications Related to digital communication of medical information. The "IPS" mark/trademark and technology related patents are owned by their respective owners.

1.1 Safety precautions

1.1.1 Read the instruction manual carefully

1.1.2 Follow the instruction manual

- All operations must follow the instructions in the instruction manual.

1.1.3 Maintenance of user manual

- The instruction manual should be kept for future reference.

1.1.4 Warning

- All warnings in the product and user manual instructions must be followed.

1.1.5 Cleaning

- Disconnect power before cleaning.
- Do not use abrasives. Do not use wet towels.
- ① Do not use a sharp object except pens included as it may damage the screen It may cause product malfunction.
- ② Do not use chemicals such as wax, benzene, alcohol, thinner, pesticides and lubricants.
 It may cause product malfunction.
- ③ When wiping the screen with water, do not spray it directly, but use a soft cloth to moisten it before wiping or cleaning the screen.
 - Water may enter the product and cause product failure.
- ④ When cleaning products with sensor filters attached to the top, bottom. Left and right sides of the screen.
- Do not apply excessive shock or force to the sensor filter. If the sensor filter is damaged, it may cause product failure.
- Do not use water, but use a soft brush to remove dust. If the sensor filter gets wet, it may cause product failure.

1.1.6 Water and moisture

- Do not use the product near water or in a humid place.

1.1.7 Precautions for transporting

- Product and cart combinations must be moved with care. If you stop quickly or apply too much force In uneven ground areas, the product and cart may turn upside down.

1.1.8 Ventilation

- Do not block the ventilation.
- Follow the instruction manual

1.1.9 Power source

- This product must comply with the power rating specified on the rear label.

1.1.10 Grounding the power cord

-This product is equipped with a 3-wire grounding type cord for safety. Do not remove the grounding terminal.

1.1.11 Protecting the power cord

- Make sure the power is properly connected. Check that the plug and power cable are not twisted or pressed by other objects.

1.1.12 Lightning

-Unplug this product during lightning storms or when unused for long periods of time.

1.1.13 Grounding the product

- This product must be properly grounded to comply with the safety regulations of the country of use. If you are unsure of these regulations, please contact a qualified engineer.

1.1.14 Service

- Do not try to repair the product by yourself. If removing covers may expose you to hazardous voltages or other hazards. Refer all servicing to qualified service technicians.
- If the product do not work properly, turn off the power and contact your dealer.

1.1.15 Services caused damage to property

- Disconnect this product from the power supply and contact service representative under the following situations.
- 1) The power cord or plug is damaged.
- (2) The protective glass is damaged.
- ③ There is water ingress between the protective glass and the LCD screen.
- ④ If the product has been dropped or the case has been damaged.
- (5) Product's performance shows a noticeable change.

1.1.16 Safety checks

- Upon completion of repair or service of this product, inquires the service technician to check that the product is operating normally, for damage and scratch to the front side, and to perform a safety check.

1.1.17 Installation

- It is recommended to mount this product on the wall.

1.1.18 Power

- This product operates on AC power and must use the voltage indicated on the label. The power cord must be always grounded.

1.1.19 Location

- Do not install in unstable place, and secure enough space for safe use.



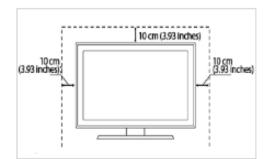
1.2 Maintenance

1.2.1 Exterior and screen care

- ① Wipe with a soft, dry cloth.
- ② Do not wipe with flammable materials such as benzene, thinner, or wet rags. This will cause a failure.
- ③ Do not scratch the screen with your fingernails or sharp objects. This can leave scratches or damage the product.
- ④ Do not spray water directly on each part of the product body to clean it.
 Water in the product can cause fire, electric shock, and failure.
- ⑤ High-gloss models, due to the nature of the product, require an ultrasonic humidifier. The product might have white stains.
- > Appearance and color may vary depending on the model.

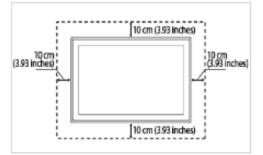
1.2.2 Installation

- $(\ensuremath{\underline{1}})$ Leave some space around the product for good ventilation.
- Due to the increased temperature inside the product, It can cause fire and product failure.
- 2 Install it so that at least the space shown in the figure is maintained.
- ▷ Appearance may vary depending on the product.



When installing with the stand

When mounting on a wall (Wall-mount)



1.2.3 Image sticking

- Avoid displaying a fixed image on the screen for a long period of time to prevent image sticking. Recommend to power off or set the power saving mode when not in use for a long time.

1.2.4 Condensation and humidity for usage

- When using the product for the first time or after a long period of inactivity, condensation may form on the inner glass surface of the screen due to the difference between the external and internal temperatures.

This is a temporary phenomenon caused by the temperature difference between external and internal of the product, which is not a malfunction.

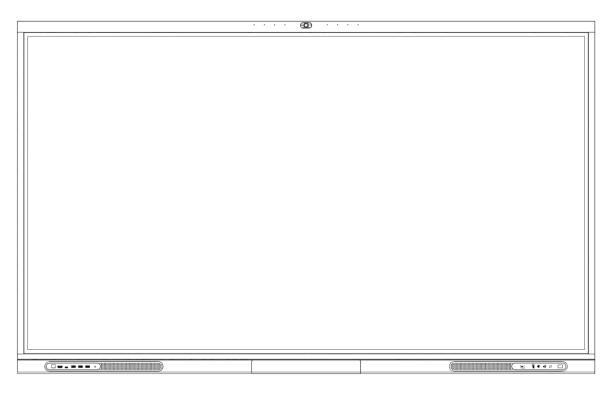
If the symptom occurs, it disappears after a certain time (about $1 \sim 3$ hours) after turning on the product.



2. Introduction

2.1 Components

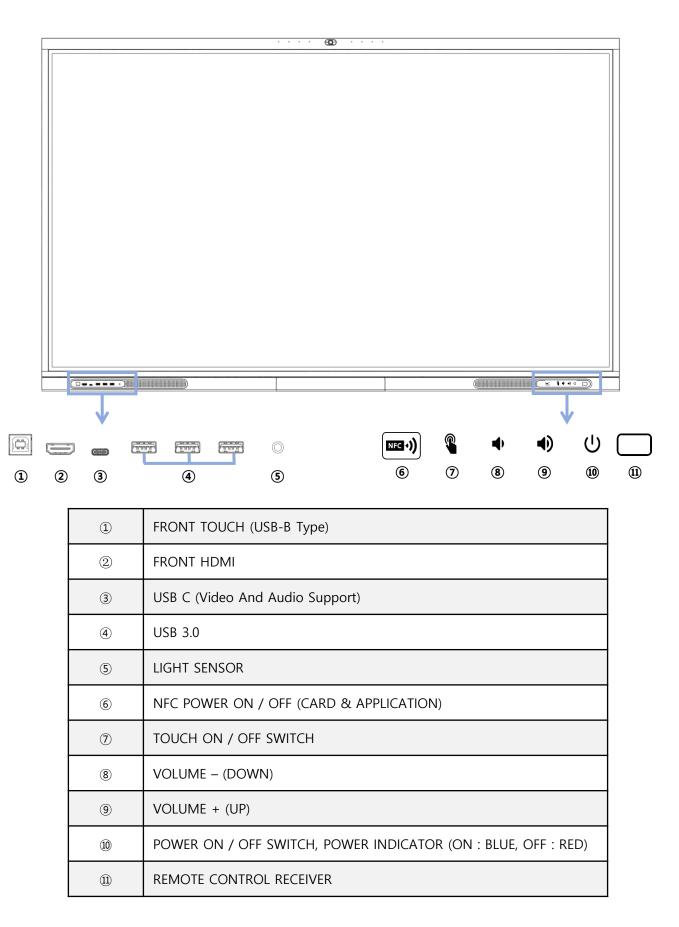
- Check components for the following items.
 If there are any missing accessories, contact the local dealer where you purchased from.
 The illustrations in this manual may differ from the actual product and components.



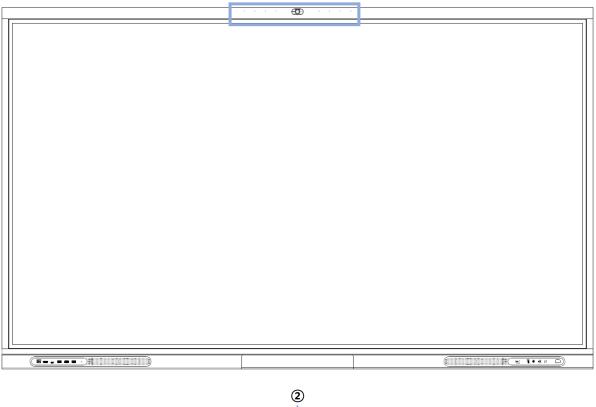
	POWER CORD	HDMI CABLE	TOUCH CABLE
Accessories	REMOTE CONTROLLER	PEN	NFC CARD
		WALL MOUNT BRACKET(Option)	

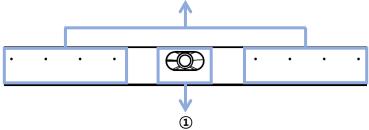
3. Product description

3.1 Front view



3. Product description 3.2 Front camera & microphone (Option)



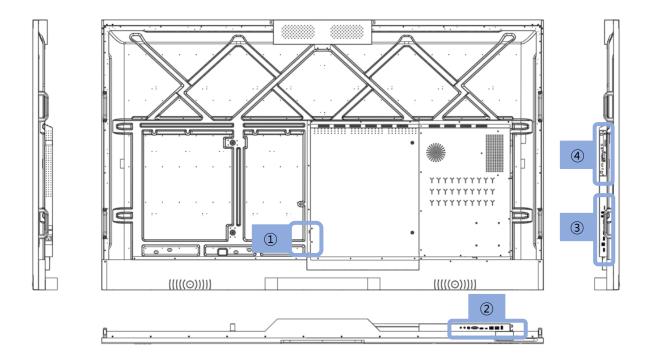


1		Camera 4K Resolution / 120° Field Of View / WDR / Auto-Framing / Noise Reduction
	2	8-Channel Array Microphones / Echo Cancellation / Noise Reduction / Voice Location Tracking

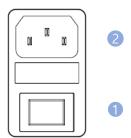
- < Notification >
- The USB cable(3m) provided for front USB for Touch Output. Due to limitations in the USB standard, we recommend that the length of USB cables are less than 3m (10ft) to ensure optimum performance.

3. Product description

3.3 Rear view



① Power control and AC input

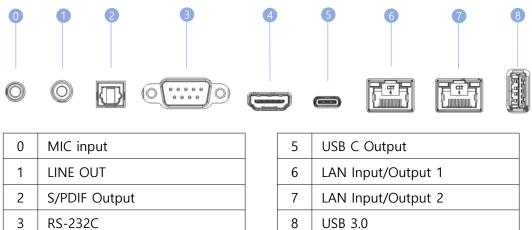


1	Power switch (I: On, O: Off)
2	AC IN 100V~240V 50/60Hz

② Rear panel connectors

HDMI Output

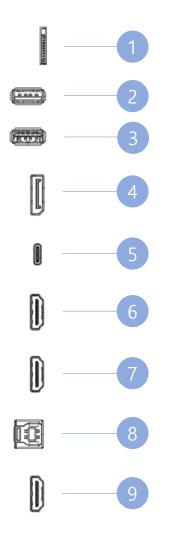
4



USB 3.0 8

10

③ Rear panel connectors



0	USB 2.0 (CAM) (Option)	
1	SD CARD	
2	USB 2.0	
3	USB 3.0	
4	DISPLAY PORT Input	

5	USB C input
6	HDMI Input 3
7	HDMI Input 2
8	USB Touch (B-Type)
9	HDMI Input 1

④ Installing an OPS

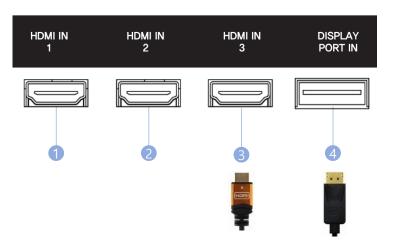
In (4), there is a slot for an OPS. Install and use it when using an OPS. OPS sold separately.

3. Product description

3.4 Connector

3.4.1 Connector of HDMI/Display port

- In order to transmit digital video and audio signals from an external device to the screen, connect the HDMI/Display Port cables as shown in the following illustration.



1	HDMI 1 input – Pc / Laptop connect to the HDMI cable
2	HDMI 2 input – Pc / Laptop connect to the HDMI cable
3	HDMI 3 input – Pc / Laptop connect to the HDMI cable
4	Display port input – Pc / Laptop connect to the Display port cable

3.4.2 OPS connection

- Do not connect USB for touch cable to the port. Touch cable is already connected by internal OPS docking board.

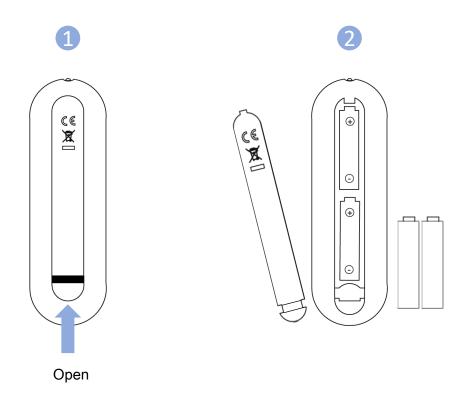
4. Remote controller



Key name	Description	
ርነ	Power On / Off	
INFO	Shows the current external input	
	Activates home screen	
\square	Activates annotation Screen	
	Touch On / Off	
ιτ̈́ν	TV Source select (not supported)	
OPS	OPS PC select	
HDMI	Front HDMI→HDMI1→HDMI2→HDMI3 \$	
DP USBC	Display port→TYPE C type port C	
VGA AV	VGA→AV C	
•	Go to previous media	
•	Start or pause media	
	Stop media	
M	Go to the next media	
	Display main OSD menu	
	Select external input menu	
○	Built-in camera and microphone function adjustment menu (This only works while the camera is in motion).	
ОК	OSD Menu Exit and Back	
	Select menu	
	Adjust or select menu	
▲ ×	Volume down	
4+	Mute	
PSM	Volume up	
SSM	Screen mode (Standard/Soft/Bright/User)	
ECO	Sound mode (Standard/Sport/User)	
FREEZE	Adjust screen brightness (3 levels)	
MIRROR	Freeze current display	
EYE	Run E-Share app	
AUTO	Eye protection mode On / Off	
LIST	TV Channel search (not supported)	
ADD	Check the list of TV channels (not supported)	
	Add and delete TV channels (not supported)	

4.1 Battery replacement

- Insert the battery into proper polarities
- Battery model: Alkaline Battery 1.5V(AAA)



BATTERY PRECAUTIONS

These precautions should be followed when using batteries in this device:

- The batteries may last approximately one year depending on using time of remote controller. Replace batteries when the remote controller does not working.
- Use only the size and type of batteries specified.
- Be sure to follow the correct polarity when inserting the batteries as upper image. Reversed batteries may cause damage to the device.
- Do not use different types of batteries together (e.g. Alkaline, Carbon-zinc or Rechargeable) or old batteries with new ones.
- If the device is not to be used for a long time, remove the batteries to prevent damage or injury from possible battery leakage.
- Do not try to recharge batteries not intended to be recharged. It may cause damaged to remote controller. (Follow battery manufacturer's directions.)
- Do not use damaged batteries as they can become very hot and are dangerous.
- Never expose batteries (battery pack or batteries installed) to excessive heat such as sunshine, fire or the like.

5. System setting

5.1 Network & internet

÷	Network & internet	×
€?	Internet Networks available	
Ŀ	Calls & SMS No SIM	
¥	Airplane mode	
凸	Wired network off	
0	Hotspot & tethering Off	
0	Data Saver Off	
СŢ	VPN None	
Priv On	ate DNS	

Wireless networks(Wi-Fi)

IFPD is basically equipped with Wi-Fi MODULE, which supports Wi-Fi 5 and has a maximum UP and DOWN speed of 866 Mbps (2.4 GHz to 5 GHz band)

Wired Network (Ethernet)

IFPD has two Ethernet terminals that support only one network input and a maximum speed of 1000 Mbps.

1. One of the two Ethernet terminals has a network connection, and the other Ethernet terminal can be connected to an external PC to receive network shares.

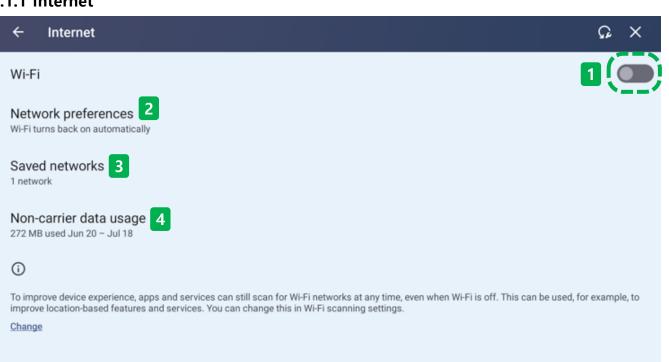
(The connected external PC maximum network speed is 1000 Mbps.)

2. The network is connected to one of the two Ethernet terminals, and Users can receive a network share when Users go to the mounted OPS screen.

(The maximum network speed for the equipped OPS is 1000 Mbps.)

3. If the network is connected to one of the two Ethernet terminals, the front USB-C terminal can be shared at a maximum of 100Mbps.

5.1.1 Internet



① Wi-Fi (wireless network)

- Press the Wi-Fi ON/OFF button t	to detect nearby	/ Wi-Fi signals. (2	.4GHz ~ 5GHz)
-----------------------------------	------------------	---------------------	---------------

÷	Internet	ରୁ	×
Wi-F	Fi Contraction of the second sec		
•	iptime5G_AX Connected		¢3
•	B3F-Product Development		₿
•	DE133-PC 0918		∂
•	DIRECT-B7-SA SL-T1670FW Series		6
•	[LG_Wall-Mount A/C]cf91		∂
•	iptime_AX		⋳
$\widehat{\mathbf{v}}$	B2F-S/W Development		⋳
$\widehat{\mathbf{v}}$	DE142-PC 8367		⋳

Network preferences



Turn on Wi-Fi automatically Wi-Fi will turn back on near high-quality saved networks, like your home network

Notify for public networks

Notify when a high-quality public network is available

Install certificates

Wi-Fi Direct

② Network preferences

- **Turn on Wi-Fi automatically :** Wi-Fi is re-enabled when a stored high-quality network such as a home network is nearby.
- Notify for public networks : A notification window appears when a high-quality public network is available.
- **Install certificates :** If the network Users are connecting to requires a certificate, install the required certificate directly.
- Wi-Fi Direct : Share files with devices with Wi-Fi Direct without a separate cable or network connection.

← Wi-Fi Direct	:	×
Android_aaco		
Peer devices		
DE133-PC Available		₹.
DE142-PC Available		₹.
DIRECT-B7-SA SL-T1670FW Series Available		•

a. Wi-Fi Direct

- **Android_aaco :** The device name of IFPD that can be found on the external device. (It varies from device and IP address.)
- peer devices : It shows a list of peripherals that can be connected to IFPD.



③ Saved networks

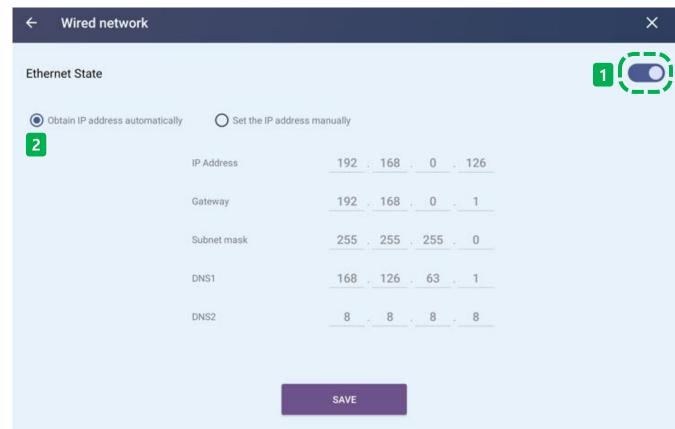
- It shows a list of Wi-Fi connected from IFPD.
- Once connected, Wi-Fi is stored in that entry and automatically connects without entering a password when reconnecting.

Jun 20 – Jul 18 – 272 MB used
100%
50%
Jun 20 Jul 18
Excludes data used by carrier networks
Private Compute Services 87.21 MB
Soogle Play Store

④ Non-carrier data usage

- Users can check the network data usage for each date.
- The data used through the mobile carrier network is excluded.

5.1.2 Wired network



1 Ethernet state

- Turn on/off the Ethernet connection.
- The Wi-Fi connection is automatically broken when connecting Ethernet.

② Obtain IP address automatically

- The IP address and other communication parameters are automatically assigned to IFPD connected to the network.
- After setup, Users can connect to the Internet using DHCP on the wired network.

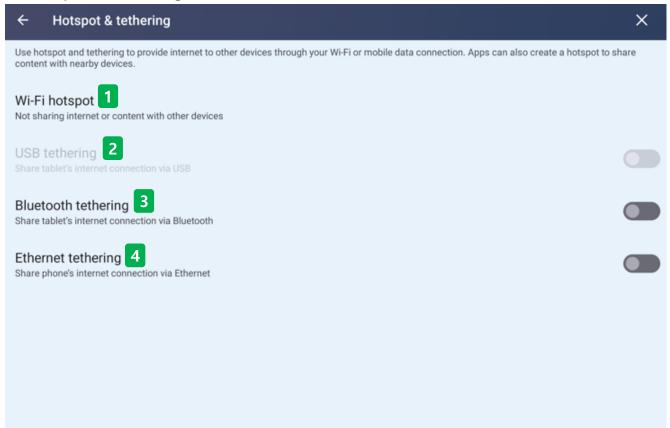
5.1.2 Wired network

thernet State						
Obtain IP address automatica		tress manually				
	3 IP Address	192	168	0	126	
	Gateway	192	168			
	Subnet mask	_255	255	255		
	DNS1	168	126	63	1	
	DNS2	8	8	8	8	

$\ensuremath{\mathfrak{IP}}$ address manually

- Manually enter the IP address, Gateway, Subnet mask, DNS address directly.
- After setting up, Users can connect to the Internet using the fixed IP of the wired network.

5.1.3 Hotspot & tethering



Hotspot & tethering

- Hotspots and tethering allow other devices to use the Internet via my Wi-Fi or mobile data connection. Apps can also create hotspots to share content with peripherals.

1 Wi-Fi hotspot

- Select it to enter the detailed hotspot settings.

② USB tethering

- Connect USB to share IFPD's Internet connection.
- The function is activated when connected to a mobile phone by USB. (The feature is not currently supported.)

③ Bluetooth tethering

- Connect Bluetooth to share the Internet connection between users mobile phone and IFPD.

④ Ethernet tethering

- Share users phone's internet connection over Ethernet.
- It can work when connecting IFPD and mobile phones via Ethernet.

5.1.3 Hotspot & tethering

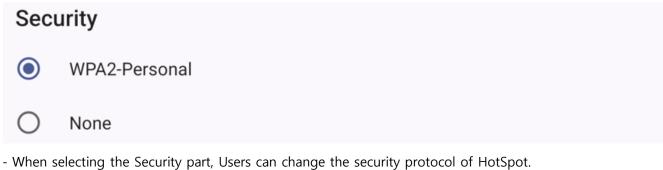
← Wi-Fi hotspot	×
Use Wi-Fi hotspot	
Hotspot name 1 IFP_7011A1	
Security 2 WPA2-Personal	
Hotspot password 3	
Turn off hotspot automatically 4 When no devices are connected	
AP Band 2.4/5 GHz 5 2.4 GHz	
 Hotspot name 	

Hotspot name

CANCEL OK

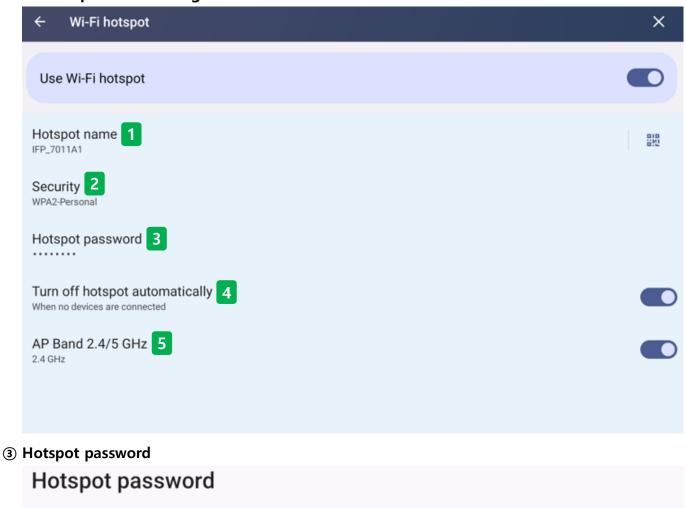
- Users can change the name of the hotspot when you select the Hotspot name section.

② Security



- when selecting the security part, osers can change the security protocol of Holspol.
- WPA2-Personal : Encrypt the Wi-Fi hotspot to enter users password when connecting hotspot.
- None : Set the Wi-Fi Hotspot to connect without password input.

5.1.3 Hotspot & tethering



12345678

CANCEL OK

- Set the Hotspot password. (Initial Password: 12345678)

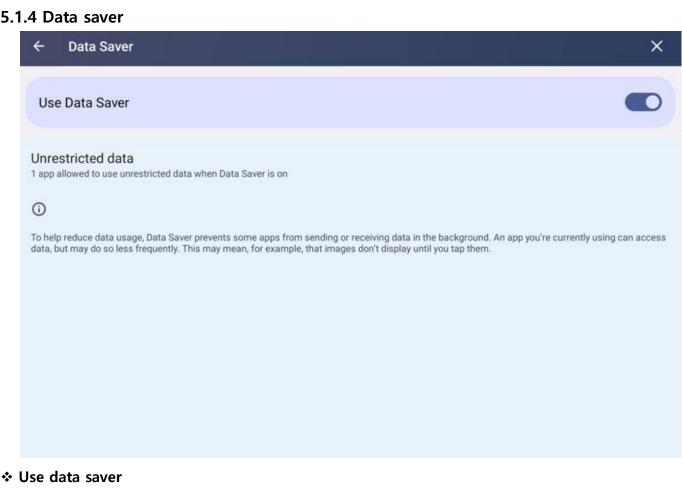
④ Turn off hotspot automatically

- If there is no device connected to HotSpot on IFPD, it automatically stops using Hotspot.

(5) AP band 2.4/5 GHz

- Switch the Hotspot band on IFPD through the ON/OFF button.
- ON : 2.4GHz
- OFF : 5GHz

5.1.4 Data saver



- Turn on or off the data saving mode through the ON/OFF button.

Unrestricted data

- Allows one app to use unlimited data when Data Saving mode is on.

(i) Functional supplementary description

- To reduce data usage, Data Saver mode prevents some apps from sending or receiving data in the background. Users can access data in the app currently in use, but the frequency is reduced. For example, the image is not displayed before tapping the image.

← VPN



Add

No VPNs added

✤ VPN

- Users can add VPN settings by clicking the "+" icon.

Edit VPN profile

Name

Туре

IKEv2/IPSec MSCHAPv2

Server address

IPSec identifier

(not used)

IPSec CA certificate

(don't verify server)

IPSec server certificate

(received from server)

Proxy

None

Username

Password

Always-on VPN

The information entered doesn't support always-on VPN

CANCEL SAV

Name
- Set the name. (Random name designation)
Туре
- Select the connection type.
- IKEv2/IPSec MSCHAPv2
- IKEv2/IPSec PSK or RSA (2 types)
Server address
- The IP address or full server hostname.
IPSec identifier
- Leave that part blank.
IPSec CA certificate
- Used only for user certificate connections and
EAP connections.
IPSec server certificate
- Used only for user certificate connections.
Ргоху
- Enter the proxy address of the router to
connect.
Username
- Specify the ID to use when connecting VPN.
Password
- Specify the password to use when connecting

25

VPN.

5.1.6 Private DNS

÷	Network & internet	×
€?	Networks available	
ų	Calls & SMS No SIM	
¥	Airplane mode	
ð	Wired network	
0	Hotspot & tethering Off	
0	Data Saver Off	
ଙ୍କ	VPN None	
Pri _{On}	ivate DNS	
Driv	vate DNS	

Private DNS

- The ability to specify a user-specified DNS server without using the ISP default server.
- Network security and usage environments may be improved than when using the default DNS server provided by a carrier.

Private DNS provider hostname

Enter hostname of DNS provider

CANCEL SAVE

* Android private DNS hostname setting example

Google DNS (dns.google)

- Google Public DNS protects users from many types of phishing attacks.

AdGuard DNS (dns.adgaurd.com)

- Free DNS to block ads, trackers, and phishing sites

OpenDNS (dns.opendns.com)

- Cloud-based DNS that provides Malware protection and content filtering

NextDNS (dns.nextdns.io)

- Cloud-based DNS with features such as blocking ads, anti-malware, and child protection

5. System setting

5.2 Connected device

← Connected devices	×
Other devices	
USB 1 Charging connected device	
+ Pair new device 2	
Saved devices 3	
LUETOOTH	۲
> See all	
Connection preferences 4 Bluetooth	
III NFC 5	
\odot	
Visible as "Hybrid_8600_7011A1" to other devices	

* Connect with external devices

- IFPD can be connected to an external device via Bluetooth, USB, Wi-Fi, etc.

1 USB

- Set the use and options of the external device connected by IFPD and the USB.

② Pair new device

- Search and add Bluetooth-connected devices around IFPD.

③ Saved devices

- Displays a saved list of IFPD and Bluetooth connections.

④ Connection preferences

- Set preferences for connected devices. (Bluetooth, Cast, Printing, Nearby Share)

5 NFC

- Register the NFC card on IFPD.

5.2.1 USB Preferences

JSB Preferences	
USB Preferences	×
ນຸ໋ USB	
controlled by 1	
Connected device	
This device	
JSB for 2	
File Transfer	
USB tethering	
PTP	
No data transfer	
transfer options 3	
nvert videos to AVC	
ver options 4	
arge connected device	
	USB Preferences LUSB Connected device This device JSB for 2 File Transfer USB tethering PTP No data transfer transfer options 3 nvert videos to AVC

① USB controlled by

- Users can switch USB control permissions with the USB device connected to IFPD.

② Use USB for

- Select the USB usage of the device connected to IFPD.
- The list that can be selected is not to transmit file transfer, USB tethering, PTP, and no data transmission.

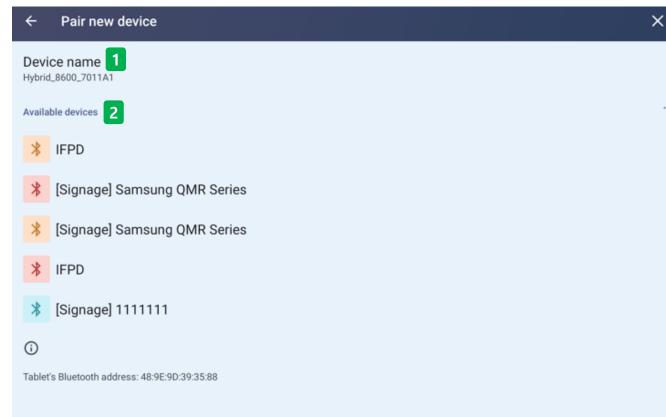
③ File transfer options

- When Users transfer a video file, Users can convert it to an AVC file.

④ Power options

- Users can turn the charging on and off for IFPD and USB-connected devices.

5.2.2 Pair new device



Rename this device

Hybrid_8600_7011A1

CANCEL RENAME

① Device name

- Display the current Bluetooth name on IFPD, and Users can change the Bluetooth name by selecting this section.

② Available devices

- Automatically search for nearby Bluetooth devices that can be connected from IFPD.
- Users can pair by selecting the Bluetooth device Users want to connect.

(i) Bluetooth address

- Shows the Bluetooth-specific address of the product.

5.2.3 Saved devices

← Saved devices	×
LUETOOTH	
← Device details	0 ×
BLUE	гоотн
FORGET	+ CONNECT
Internet access 1 Contact sharing 2	
Device's Bluetooth address: 78:46:D4:4E:94:12	

1 Internet access

- Bluetooth tethering allows Users to share users network.

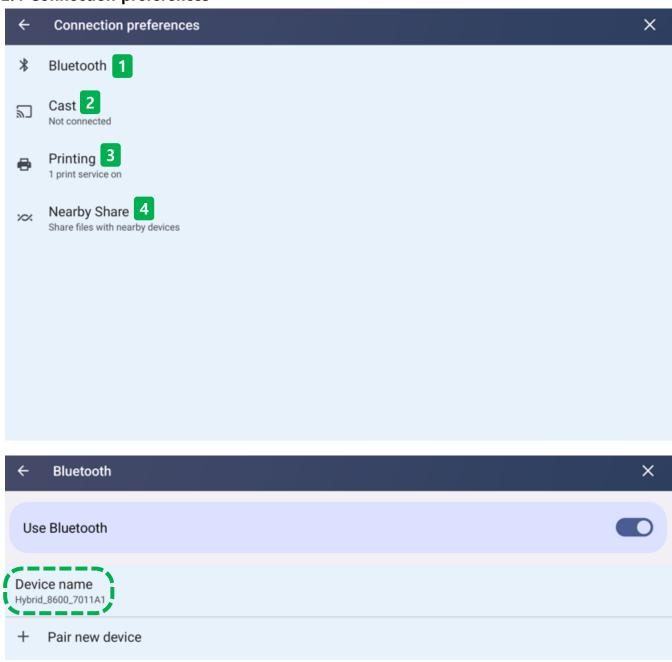
② Contact sharing

- Share the user's phone's contacts and save them on IFPD.

(i) Bluetooth address

- Shows the Bluetooth-specific address of the connected device.

5.2.4 Connection preferences



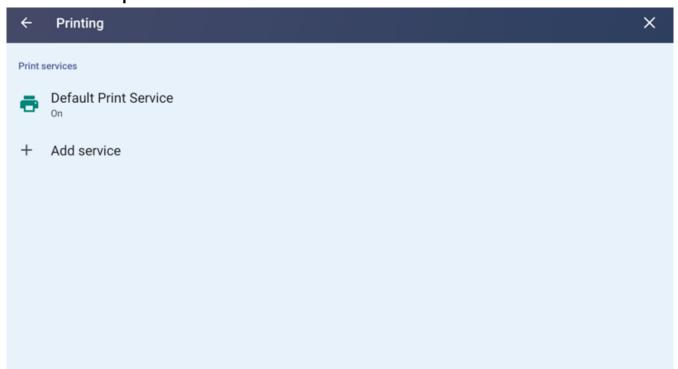
1 Bluetooth

- In the Bluetooth section, Users can connect a new Bluetooth to IFPD or change the name of the device.

2 Cast

- Shows a list of mobile phones connected by IFPD and Mirroring.
- $\ensuremath{\mathsf{IFPD}}$ and mobile phones must be connected to the same Wi-Fi.

5.2.4 Connection preferences



③ Printing

- Users can connect a Printer device to IFPD and use it.
- Refer to each printer manufacturer's connection description for details on how to connect the printers.

(Ex: network connection, Bluetooth connection installation of dedicated apps through Google Play Store etc.)

Google Play 4



ezeep Blue Printer App 3.9 ★



HP Print Service Plugin 4.1 *



PrinterShare Mobile Print 4.3 ★



PrintHand Mobile Print 3.3 *



Mopria Print Service 4.5 *



Epson Print Enabler 3.7 *



Brother Print Service Plugin 3.6 *



Plugin

3.9 *

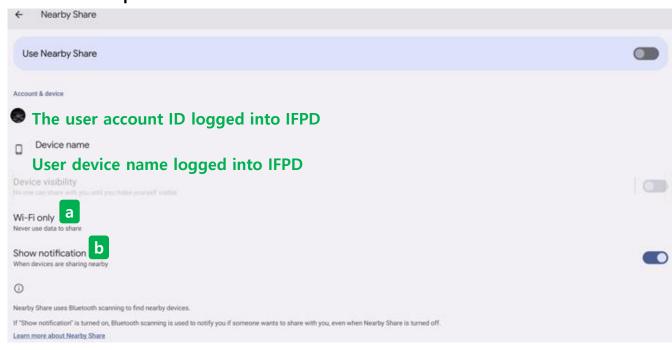
Canor Samsung Print Service

Canon Print Service 3.6 *



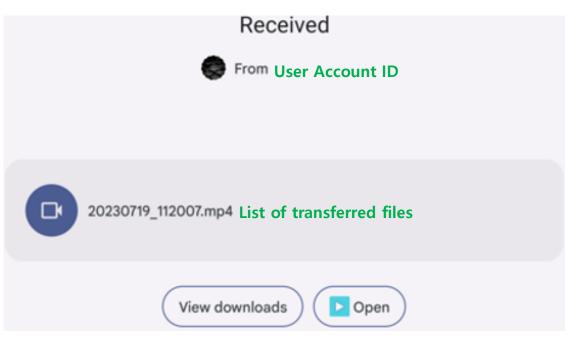
32

5.2.4 Connection preferences

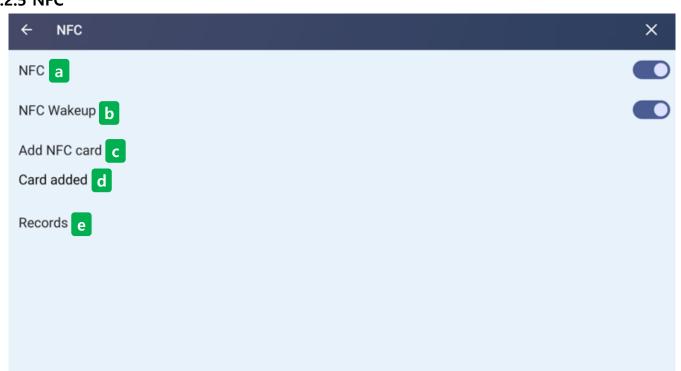


④ Nearby share

- It is a function of shares files such as photos, videos/documents, etc. as a large-capacity file transmission function and direct information on the nearby device.
- (a) Enable file sharing only when Wi-Fi is connected.
- (b) The notification window is displayed after sharing or sharing is completed.



5.2.5 NFC



5 NFC

- Users can turn on the power by adding an NFC card to IFPD.
- When the NFC function is turned on, the power on IFPD can only be turned on through a registered NFC card.

(The method of turning off the product does not change. Power buttons, remote controls, and shutdown functions can be turned off via the NFC card.)

- (a) Switch to enable or disable the NFC feature.
- (b) Allow NFC cards to control the power of IFPD.
- © Register the NFC card for the product. (Two NFC cards are provided for initial power control.)
 - Press the Add NFC Card and put the card on the NFC sensing area of the front of IFPD.



Please put the NFC card close to the sensing area

- (d) Add a user-only card other than the NFC card that was provided.
- (e) Users can check the history of the registered NFC card.

5. System setting

5.3 Advanced features

← Advanced Features	×
Automatic sleep 1 When there is no source signal, there is no operation within the specified time. The device automatically sleeps, and Windows shuts down	
Boot channel 2	
OPS boot 3	
Network wakeup 4	
Source wakeup 5	
Channel permission 6	
Select home page mode 7	
normal home page google home page	
Boot time 8	
shut time 9	

Advanced features

- Control the power and external input-related functions of IFPD.

1 Automatic sleep

- When there is no source signal, there is no operation within specified time. The device automatically sleep and Windows shut down.

60min

Automatic sleep			
When there is no source signal, there	e is no operation within the specified tim	ne. The device automatically sleeps, and	l Windows shuts down
			(
15min	30min	45min	60mir

② Boot channel

- Select the first screen to enter when IFPD turns on.

Boot channel			
НОМЕ	OPS	HDMI1	HDMI2
HDMI3	FRONT HDMI	DP	Туре-С
FRONT Type-C	Last channel		

OPS boot		
OPS source only	Any source	

③ OPS boot

- Control the power of the OPS.
- OPS source only : When moving to the OPS screen, the OPS is turned on automatically.
- Any source : The OPS is automatically turned on when IFPD is turned on.

Network wakeup

④ Network wakeup (Wake On Lan)

- By connecting a router to the electronic blackboard, Users can control the power of IFPD through other devices on the same network.
- For detailed connection instructions, please refer to each router manufacturer's product description.

Source	wakeu	n
000100	manca	

(5) Source wakeup

- Automatically power on IFPD when the HDMI signal from IFPD is input.

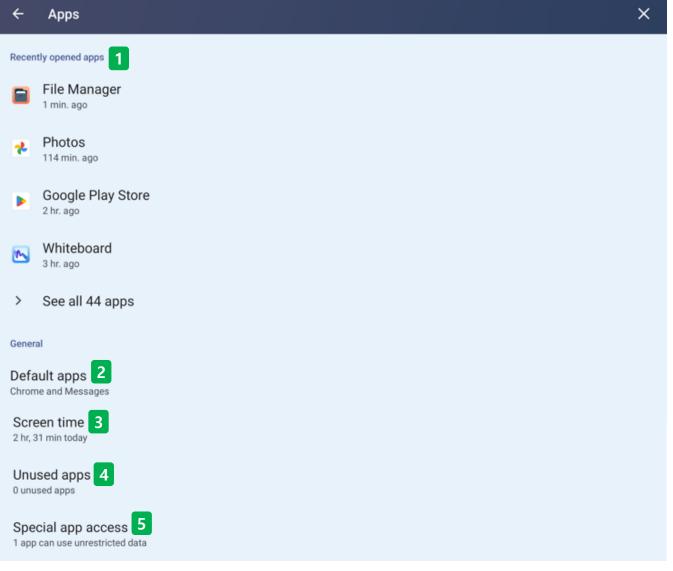
← Channel permission password	×
Enter password	
Confirm password	
Show password	Save Cancel
2	Save after setting password

(6) Channel permission password

- Set the screen to switch only after entering the password Users set when switching external screen signals.

5. System setting

5.4 Apps



* Арр

- In the App section, Users can set the information, usage time, cache settings, and permission settings of all installed apps on IFPD.

1 Recently opened apps

- Shows recently open App items and allows Users to view all App items installed on IFPD.
- When selecting the APP icon, Users can check the data such as notifications, permissions, storage capacity and cache, and data usage of each app..

② Default apps

- It shows the default App entry on IFPD. (the default App cannot be deleted).

5.4 Apps

~ : Dashboard Screen time 🔹 2 hr, 32 min Today ł Fri, Jul 21 Set timers for your apps 8 × You can set daily timers for most apps. When the app timer ends, the app is paused for the rest of the day. File Manager Β 1 hr, 51 min Settings **(i) O**

③ Screen time

30 minutes

- It shows Users a list of apps have used in the past week, and how many hours have spent with each app.

④ Unused apps

- It shows a list of apps that Users haven't used in a long time.

Device & app notifications

Picture-in-picture

Premium SMS access

Unrestricted data

Install unknown apps

Alarms & reminders

Usage access

VR helper services

Wi-Fi control

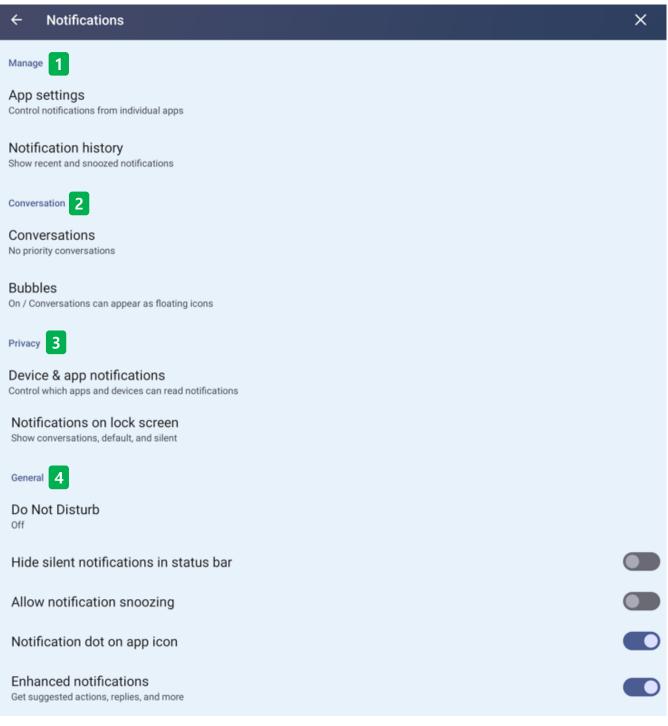
Turn screen on

(5) Special app access

- Users can set the app's permissions in each item, including device and app notifications, PIP mode, premium SMS connection, unlimited data, unknown app installation, alarms and reminders, VR helper service, Wi-Fi control, and screen on.

5. System setting

5.5 Notifications



* Notifications

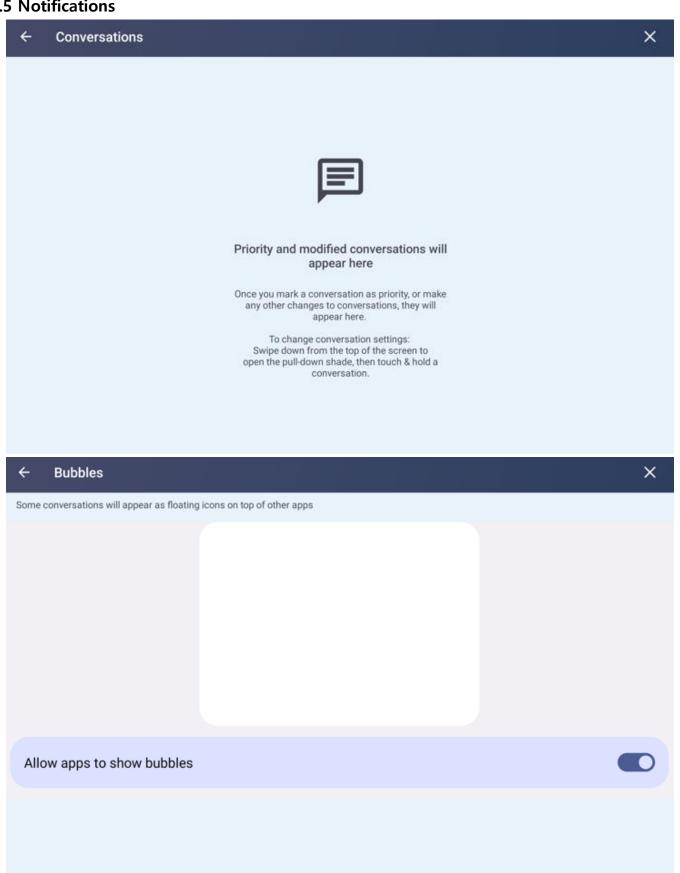
- Control the notification features of IFPD.
- Adjust the notification, message, notification method setting for each app.

÷	App notifications	Q	:	×	
Мо	st recent 👻				
!	iMirror Just now)
2	Google Play services 4 hours ago)
Þ	Google Play Store 4 hours ago)
٠	Digital Wellbeing 4 hours ago)
1	Whiteboard 5 hours ago				D
G	Google 8 hours ago)
2	OTA Service 8 hours ago				D
÷					
Noti	fication history				
Use n	otification history				
Recently o	lismissed				
е імі				4:50 AN	Q
E iMi	ror			4:50 AM	U
E iMi	ror			4:50 AM	1

1 Manage

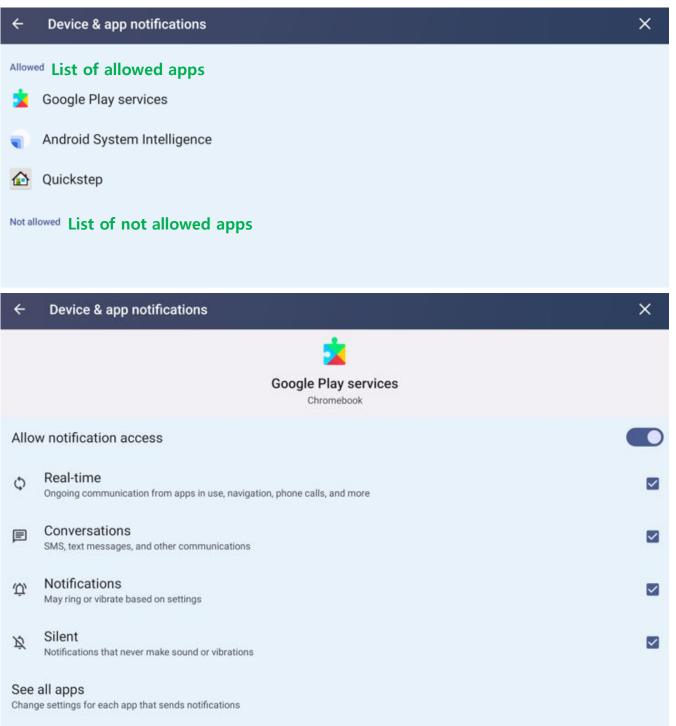
- Select whether to display notifications for each app in the App Settings menu

- Notification History menu shows a recent notification and checks a list of paused notifications.



② Conversation

- Conversation menu shows priority conversations and modified conversations.
- Bubbles entries allow some conversations to appear as floating icons over other apps.



③ Privacy (Device & app notifications)

- In the Device & App Notifications menu, users can set up notification permissions for App to read notifications.
- Users can set up permissions such as notifications, SMS and messages, ringtones notifications, silent notifications in real time.

(4)

Notifications on lock screen

- Show conversations, default, and silent
 - Hide silent conversations and notifications

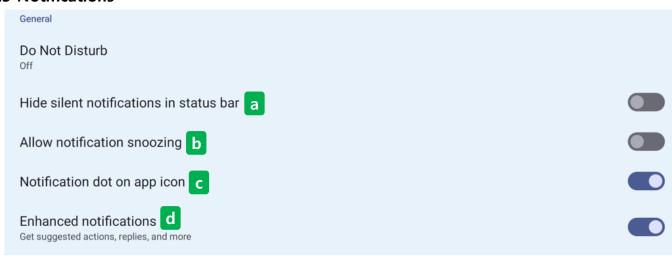
Don't show any notifications

③ Privacy (Notifications on lock screen)

- Notifications On Lock Screen menu allows you to change the notification status to display on the lock screen.
- Select manu, show all conversations and default and silent notifications, hide silent conversations and notifications, select the Do not Show all Notifications.

← Do Not Disturb	×
Only get notified by important people and apps	
TURN ON NOW Switch whether to use the feature	
What can interrupt Do Not Disturb Users set their own menu for notifications	
People Some people can interrupt	
Apps No apps can interrupt	
Alarms & other interruptions Alarms and media can interrupt	
General Users set their own time for notifications	
Schedules None	
Duration for Quick Settings Until you turn off	
Display options for hidden notifications Partially hidden	
General (Do Not Disturb)	

- The Do Not Disturb feature allows users to control which notifications appear on IFPD.
- Users can directly specify a menu with a notification through the exception menu.
- The Schedule feature allows users to enable the notification feature only at a set time.



④ General

(a) Hide silent notifications in status bar

- Hide silent notifications in status bar.
- The status bar appears when you drag a touch from the top to the bottom of the home screen.

b Allow notification snoozing

- Allows users to receive the notifications users received once again.

© Notification dot on app icon

- When the notification comes, the app icon is displayed as a dot.

d Enhanced notifications

- This feature displays recommendation and reply and summarizes notifications.
- Users can access the notification contents that contain personal information such as contact information and message. It is also possible to close or handle notifications, such as receiving a phone call and controlling the interference mode.

5. System setting

5.6 Storage

~	Storage	×
1	6 GB used	64 GB total
	Storage manager	1
	Free up space Go to Files app to manage and free up space	1
Ŧ	System	11 GB
	Apps	4.6 GB
Ū	Trash	458 MB
	Documents & other	1.3 MB
L	Images	1.1 MB
÷.*	Games	0 B
ſ	Audio	0 B
8	Videos	0 B

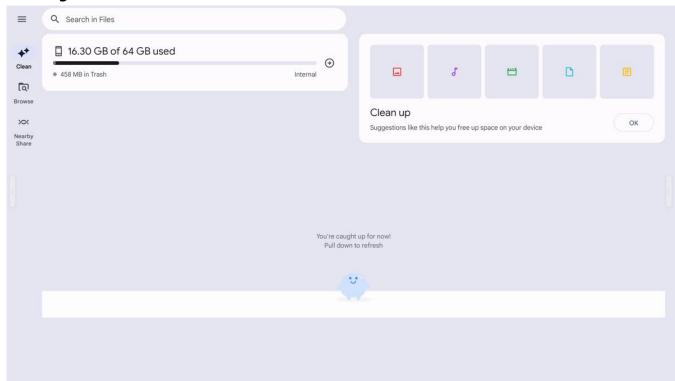
* Storage

- Users can see the amount of storage on IFPD Android system and a list of files divided into categories.

(1) Storage manager

- Google-based systems support internal file organization, file search, and Nearby Share file sharing.

5.6 Storage



1 Storage manager

- Google-based systems support internal file organization, file search, and Nearby Share file sharing.

↓ + [□]	 Clean Internal storage cleanup, including deleting unner 	ecessary files and clearing cache
Clean	Clean up	
বি 2	 Suggestions like this help you free up space on your device OK OK	
Browse	Categories	Uideos O B
_	6 Audio Documents & other	Apps 4.8 GB
×× ³	 ③ Nearby Share Bluetooth works with the electronic blackboard to 	o share files such as photos,
Nearby Share	videos, and apps.	
	Nearby Share	
	1 Send 1 Receive	

5. System setting

5.7 Sound & vibration

÷	Sound & vibration	×
ſ	Media volume a	
C	Call volume b	
Ũ	Alarm volume c	
¢	Notification volume d	
	Not Disturb 1 schedule can turn on automatically	
	Caption 2 natically caption speech	
Med Show	lia 3 plaver	
	able, first change "Press and hold power button" to the power menu.	
	ault notification sound 4	
Defa Cesiu	ault alarm sound 5	
Scre	een locking sound 6	
Cha	rging sounds and vibration 7	
Tou	ch sounds 8	
Alw	ays show icon when in vibrate mode 9	

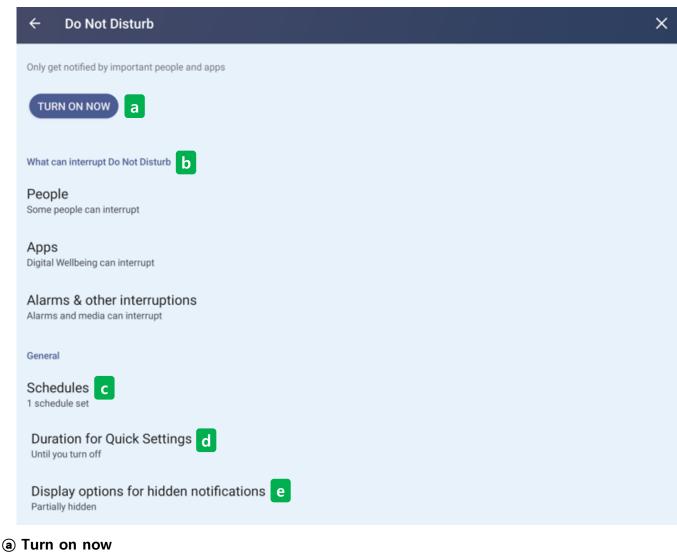
Sound & vibration

- Users can adjust the functions related to the sound of IFPD

Volume bar

- a Adjust IFPD default volume.
- (b) Adjust the volume of incoming calls through IFPD.
- ⓒ Adjust the volume of the alarm function on IFPD.
- @ Adjust the volume of the notification pane on IFPD.

1 Do Not Disturb



- Click to turn the Do Not Disturb feature on or off.

Messages

Starred contacts and priority conversations

Calls

Starred contacts and repeat callers

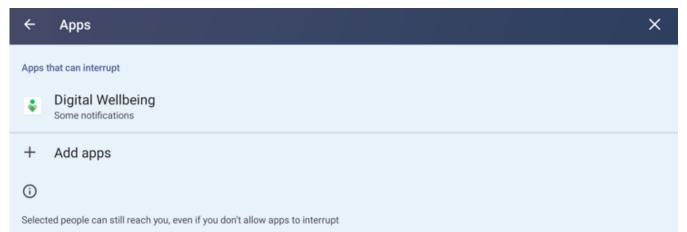
i

Even if messaging or calling apps can't notify you, people you choose here can still reach you through those apps

b What can interrupt Do Not Disturb

- 1. People (Messages)
 - Set the exception by selecting the following items: Starred contacts, Contacts, Priority conversations, All users, None..
- 2. People (Calls)
 - Calls : Set the exception by selecting the following items: Starred contacts, Contacts, All users, None.

1 Do Not Disturb



b What can interrupt Do Not Disturb

- 3. Apps
 - Add an exception app entry for the Do Not Disturb feature by selecting the "+ Add Apps" part.
 - Notifications from apps added to the item will always work.

Alarms & other interruptions	×
Alarms	
Media sounds Sounds from videos, games, and other media	
Touch sounds Sounds from the keyboard and other buttons	
Reminders	
Calendar events	

- 4. Alarms & Other interruptions
 - Select the Other distractions item to specify as an exception to the Do Not Disturb feature.
 - Alarm, media volume (media sound of video, game, etc.), touch sound (keyboard and other button sound), reminder, calendar etc

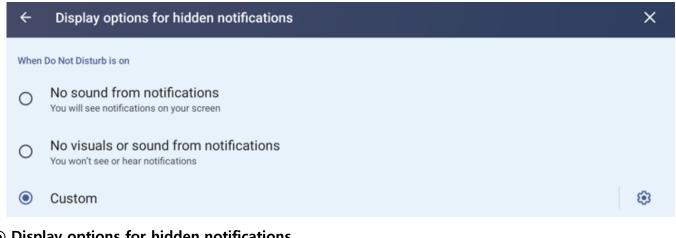
1 Do Not Disturb

U	Do Not Disturb	
	← Schedules	: ×
	Schedule	
	Sleeping Sun - Sat, 10:00 PM - 7:00 AM	
	Event Any calendar	
	Bedtime mode ^{On}	
	+ Add more	
C	Schedules	
1	1. Sleeping	
2	- Disable notifications from acting during user-set times. 2. Event	
2	- Disable notifications from working on dates set by the user.	
3	3. Bedtime mode	
	- Disable behavior during user-set times (bedtime).	
4	4. Add more	
	- Set it to not work at a specific time, date, or when the app is in use.	
	Duration	
	 Until you turn off 	
	O For 1 hour	- +
	O Ask every time	
		CANCEL OK

(d) Duration for quick settings

- The Do not Disturb mode function works quickly with simple settings.
- Until users stop using it, users can always select three types of confirmation during the set time.

1 Do Not Disturb



Display options for hidden notifications

- 1. No sound from notifications
 - When checked, blocks notification sounds when using the Do Not Disturb feature.
- 2. No visuals or sound from notifications
 - When selected, blocks the display and sound of notifications when using the Do Not Disturb feature.

Custom restrictions	×
When the screen is off	
Don't turn on screen	
Don't wake for notifications	
When the screen is on	
Hide notification dots on app icons	
Hide status bar icons at top of screen	
Don't pop notifications on screen	
Hide from pull-down shade	
\odot	
Notifications needed for basic phone activity and status will never be hidden.	

3. Custom

- Sets the operational status of the Do Not Disturb mode function when the screen IFPD is turned off or on.
- When the screen is off : Do not turn on the screen, do not turn on the screen when receiving notifications
- When the screen is on: Hide notifications in the APP icon, hide the top status bar icon, no screen notification indicator. The user can choose directly, such as hiding it in the pull-down window.

② Live caption

← Live Caption	
Use Live Caption	a 🚥
Settings Languages b English only. More languages coming soon.	
Hide profanity C Profanity will be replaced with an asterisk symbol *	
Show sound labels d Includes sounds like laughter, applause and music	
Live Caption in volume control	
Help	
\odot	
How to use Live Caption • To move captions, touch and hold. Then drag up or down. • To expand captions, double-tap them.	
Keep in mind • Live Caption increases battery usage. • All audio and captions are processed on your device. They're never sent to Google. • Live Caption is available in English only. • Song lyrics aren't captioned.	
Learn more	

(a) Use live caption

- Click to turn real-time subtitles on or off.

b Languages

- The current language is provided only in English, and other languages will be supported soon.

© Hide profanity

- When the function is turned on, the swear words of the subtitles are replaced by the asterisk (*).

d Show sound labels

- Sounds such as laughter, applause, and music are also labeled.

Live caption in volume control

- Use real-time subtitles in the part that adjusts the volume size.

(i) Feature supplement descriptions

- 1. How to use real-time subtitles
- To change the position of the subtitle, touch and hold. Then drag it up or down.
- Tap twice to spread the subtitles.
- 2. caution
 - Real-time subtitles increase data usage.
 - All audio and subtitles are processed on the device and are never sent to Google.
 - Real-time subtitles are available only in English.
 - Subtitles for song lyrics are not generated.

③ Media

÷	Media	×
	nedia player a ckly resume playback, media player stays open in Quick Settings	
	w media recommendations b	

(a) Pin media player

- To quickly resume playback media player stays open in Quick Settings.

b Show media recommendations

- Show media recommendations. Receive recommendations based on a user's activity.

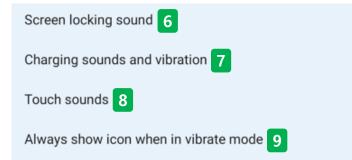
Default notification sound			Default alarm sound			
0	None		0	None		
0	Adara		0	Argon		
0	Aldebaran		0	Barium		
0	Altair		0	BeeBeep Alarm		
0	Alya		0	Beep-Beep-Beep Alarm		
0	Antares		0	Buzzer Alarm		
0	Antimony		0	Carbon		
0	Arcturus		۲	Cesium		
0	Argon		0	Helium		
0	Beat Box Android		0	Krypton		
0	Bellatrix		0	Neon		
0	Beryllium		0	Neptunium		
0	Betelgeuse		0	Osmium		
0	Caffeinated Rattlesnake		0	Oxygen		
	CANCEL	ок			CANCEL	ок

(4), (5) Default notification sound & Default alarm sound

- The notifications and alarm sounds are changed to the sound users want.

Default sound

- Sets the sound that comes out when the notification and alarm functions are activated.



6 Screen locking sound

- Set the sound operation of the screen lock function.

Charging sounds and vibration

- Set the charging sound and vibration function operation.

⑧ Touch sounds

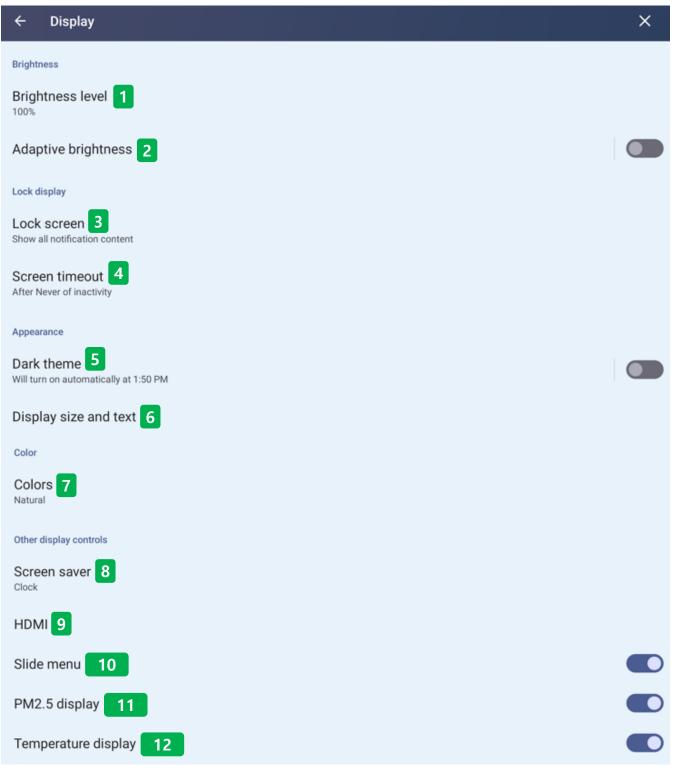
- On the Android screen, set the touch sound operation when touching.

(9) Always show icon when in vibrate mode

- Sets whether to always show as an icon when in vibrate mode.

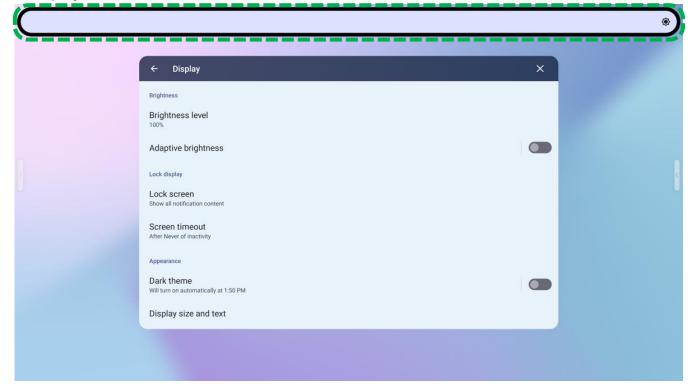
5. System setting

5.8 Display



Display

- In the display settings, users can set the screen brightness, lock screen, Android UI color and font, HDMI out resolution, side menu, PM2.5 index, and product temperature.



1 Brightness level

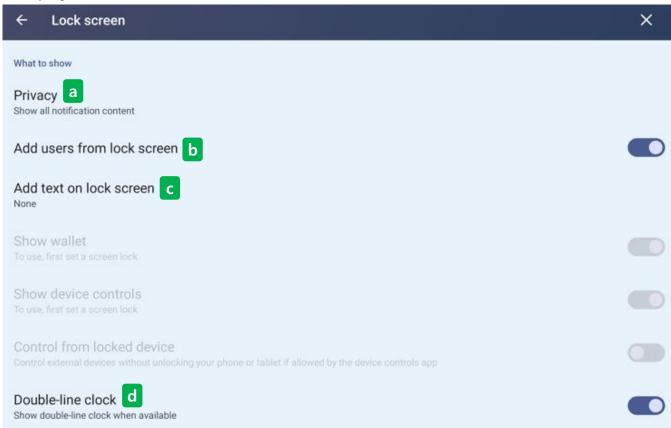
- When touch the part, a window will appear where can adjust the brightness of the upper part of IFPD screen.
- The brightness can be adjusted between 0 and 100%. (The initial value of IFPD is set to 80%.)

÷	Adaptive brightness	×
Us	e adaptive brightness	
i		

Your screen brightness will automatically adjust to your environment and activities. You can move the slider manually to help adaptive brightness learn your preferences.

② Adaptive brightness

- The brightness of IFPD changes automatically to match the ambient brightness when turn it on with the automatic brightness adjustment feature.



3 Lock screen

- Set the display methods such as images, letters, and clocks that appear when IFPD is locked.

Privacy



Show all notification content



Don't show notifications at all

(a) privacy

- When select the Privacy menu, users choose whether to display notifications IFPD is on the lock screen.

Add users from lock screen

b Add users from lock screen

- When turn on the feature, users can add a Google user account to IFPD in the lock screen state.

Add text on lock screen

E.g., Joe's Android.

CANCEL SAVE

ⓒ Add text on lock screen

- Type the letters that appear at the bottom of the screen when the screen is locked. These letters appear at the bottom of the screen when set.



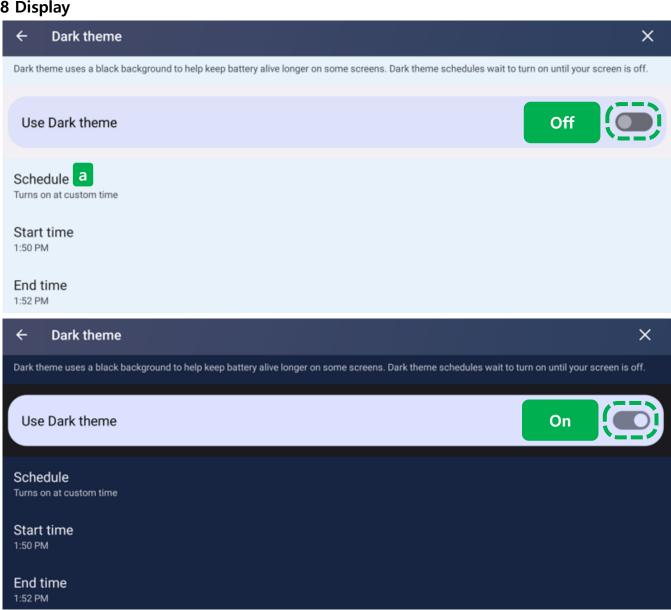
d Double-line clock

- Sets whether the time display that appears when the lock screen state is displayed in two lines.

÷	Screen timeout	×
۲	Never	
0	15 seconds	
0	30 seconds	
0	1 minute	
0	2 minutes	
0	5 minutes	
0	10 minutes	
0	30 minutes	

④ Screen timeout

- If IFPD is not used for the set time, it automatically switches to the locked screen state. (only the screen is turned off)



(5) Dark theme

- When using a dark theme, IFPD Android UI will be changed to dark color as a whole.

(a) Schedule

- If users set the dark theme schedule, the function will automatically turn on when you switch to the lock screen after the set time.
- If the time is set for the function to turn on and off, the function is turned off when go to the lock screen after the set time.

59

	← Display size and text	×
	Play Store Settings Video	
	Font size Make text bigger or smaller	+
	Display size Make everything bigger or smaller	· +
	Bold text a	
	High contrast text b Change text color to black or white. Maximizes contrast with the background.	
ര) Display size and text - Adjust the overall UI and font size, boldness, and more as seen on the Android screen.	
	Bold text	
	Bold text	

a Bold text

- Choose whether to bold the font on the Android screen.

High contrast text Change text color to black or white. Maximizes contrast with the background.	
High contrast text Change text color to black or white. Maximizes contrast with the background.	

b High contrast text

- Change the text color to black or white. Maximizes contrast with the background.





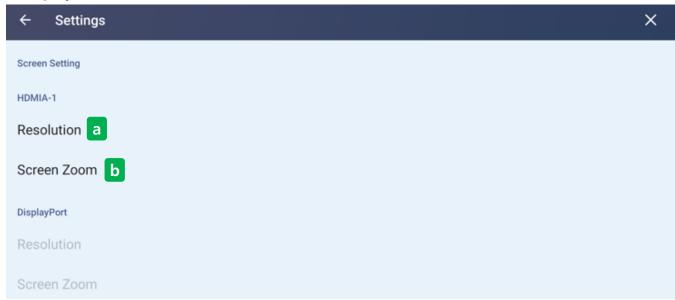
7 Color

- Check the degree of screen color on IFPD.

← Screen saver				×
Use screen saver				
Choose a screen saver				
CUSTOMIZE Mon, 4 July (3 Tue 6:00 am				
Clock	Colors	Photo Frame	Photo Table	* Photos
More settings When to start While docked				

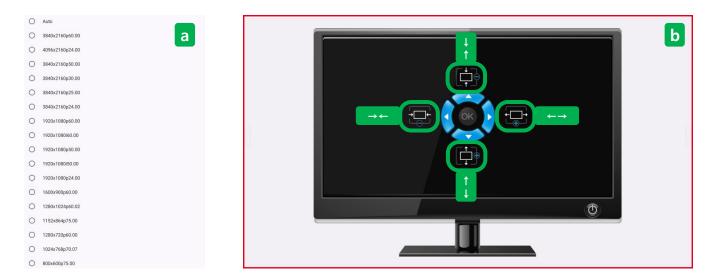
(8) Screen saver

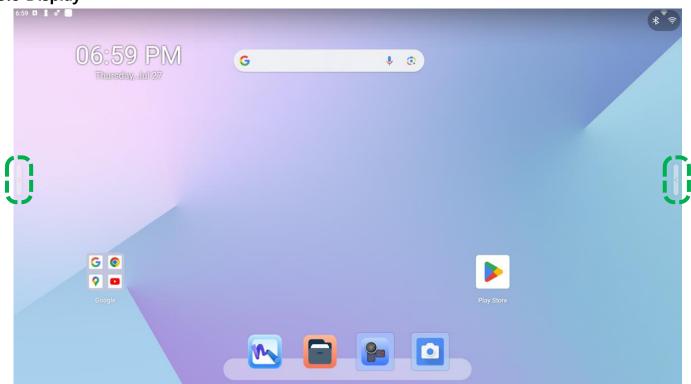
- Users can set how the lock screen status is displayed.
- Users can set the topics, such as time, color, photo frame, photo table, photo, etc.



9 HDMI

- Resolution : The resolution output of HDMI and Type-C OUT terminals can be set.
- Screen Zoom : Users can zoom in or out of the screen connected by the HDMI, TPYE-COUT terminals.





10 Side menu

- When the function is turned on, the Menu Bar appears on the left and right sides of the screen.
- Please refer to the Side Menu menu for detailed features in Side Menu.

				★ ₿ *44°C 😤 0
06:59 PM Thursday, Jul 27	G	\$ @		
				4
GO				
9			Play Store	
Google				
	M			

1), 12 PM2.5 & Temperature display

- If the function is turned on, the PM2.5 index and IFPD temperature will be displayed on the top right of the HOME screen.

5. System setting

5.9 Wallpaper & style

÷					
Wallp	aper & style				
	F1.343	12 54	G @ 2 @	N 🖬 🛛 関	
			VALLPAPER 3		
		Wallpaper colors		Basic colors	
	Dark theme				4
	Themed icons				 5

* Wallpaper

- Users can set the wallpaper of the Android Home screen and the lock screen.

Wallpaper colors			Basic colors	

1 Basic colors

- Change the Android UI color array to the default monochrome structure.

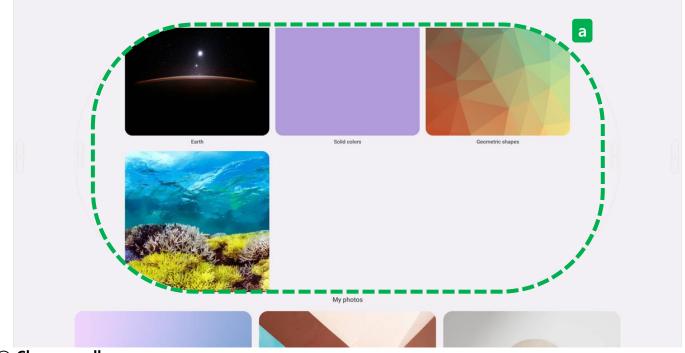
Wallpaper colors			Basic colors		
9			-		

② Wallpaper colors

- Change the Android UI color array to a three-color structure.

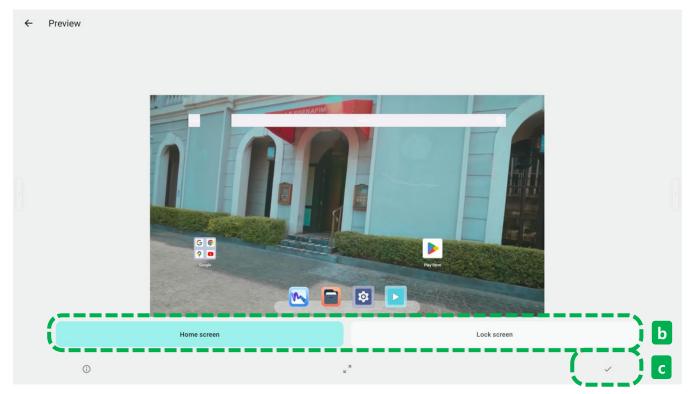
5.9 Wallpaper & style





③ Change wallpaper

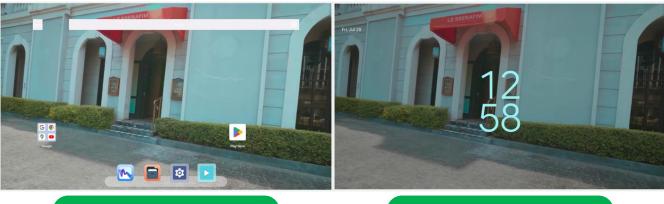
- When clicking the change wallpaper menu, users can change by selecting an image that supports the system by default.
- On-device wallpapers, cityscapes, Life, Textures, Landscapes, Art, Earth, Solid colors, Geometric shapes, and the Seascapes menu, each of which supports 3840 * 2160 resolution.



(a) Select a photo

- Users can select and add any image you want in addition to the default image by selecting the area in the check box.

5.9 Wallpaper & style

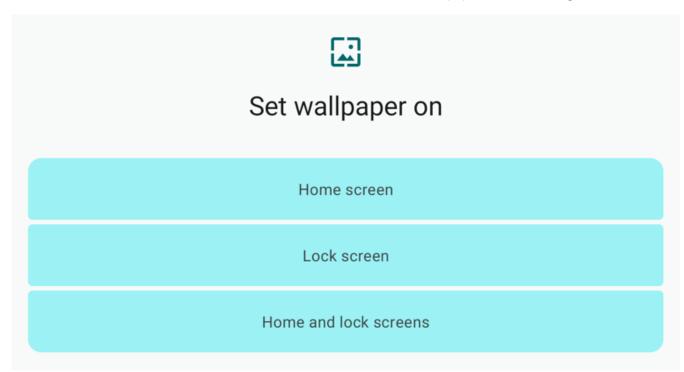


Home screen

Lock screen

b Home screen & lock screen

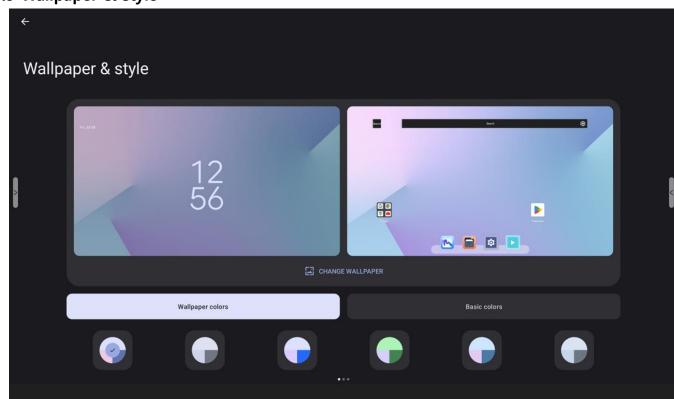
- Users can check the HOME Screen and Lock Screen status of the wallpaper want to change.



© Select

- Select that area \checkmark to change the wallpaper.
- In the additional window, users can change the wallpaper of the desired part by selecting three types: Home screen, Lock screen, and Home and lock screen.

5.9 Wallpaper & style



④ Dark theme

- Using a dark theme changes the Android UI to a darker color overall.

E			
G @ 9 m	Þ	GØ	>
cipi	Pagitare		Putan
Theme	d icons Off		Themed icons On

⑤ Themed icons (Beta)

- The Theme ICONS function changes the icon color of the app in Android.
- This feature may still be changed later to the BETA version.

5. System setting

5.10 Accessibility

÷	Accessibility	×		
Screen reader				
10 ,	Select to Speak 1 Off / Hear selected text			
₽	TalkBack 2 Off / Speak items on screen			
Displa	у			
	Display size and text 3			
	Color and motion 4			
ৎ	Magnification 5			

* Accessibility

- The accessibility menu can be set up to enhance convenience in using IFPD.

÷	Select to Speak		×		
Tap s	pecific items on your screen to hear them read or des	scribed aloud			
Option	ns	Icon that appears when			
Sele Off	ect to Speak shortcut	the function is t	urned on		
		>			

① Select to Speak

- Tap a specific menu on the screen to read or explain the contents aloud.
- When you turn on the feature, a small speaker-shaped icon appears on the right side of the screen, and a play button appears when you click on the speaker icon.

When you start playing in this state, read the selected menu aloud on the screen of IFPD.



Allow Select to Speak to have full control of your device?

Full control is appropriate for apps that help you with accessibility needs, but not for most apps.



View and control screen

It can read all content on the screen and display content over other apps.



View and perform actions

It can track your interactions with an app or a hardware sensor, and interact with apps on your behalf.

(i) Feature supplement descriptions

- It is recommended to give a perfect control to the app that provides access to accessibility, but it is not suitable for most Apps.
- Read all the content displayed on the screen and display the content on the other apps.
- Users can track your interactions with the App or hardware sensor and interact with the App on behalf of the user.

[How to use the select to speak feature]

- 1. Tap the menu, such as text or image.
- 2. To select multiple menus, drag the screen with fingers.
- 3. Tap the Play button to listen to all the menus displayed on the screen.
- 4. Select the text displayed in the camera view.

5.10 Accessibility

÷	TalkBack		×
TalkBa seeing	ick provides spoken feedback so the screen.	that you can use your device without looking at the screen. TalkBack can be helpful for people who	o have difficulty
Use	e TalkBack		
Option TalkE	^s Back shortcut	Icon that appears when the function is turned on	

② TalkBack

- It provides voice feedback and users can use the device without looking at the screen. This feature can help users who are hard to see the screen.



Allow TalkBack to have full control of your device?

Full control is appropriate for apps that help you with accessibility needs, but not for most apps.

View and control screen

It can read all content on the screen and display content over other apps.

View and perform actions

It can track your interactions with an app or a hardware sensor, and interact with apps on your behalf.

(i) Feature supplement descriptions

- It is recommended to give a perfect control to the app that provides access to accessibility, but it is not suitable for most Apps.
- Read all the content displayed on the screen and display the content on the other apps.
- Users can track your interactions with the App or hardware sensor and interact with the App on behalf of the user. 70

5.10 Accessibility

(i) Feature supplement descriptions

[How to use the TalkBack feature]

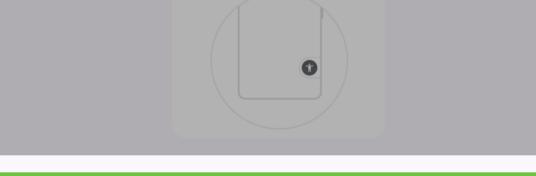
- 1. Swipe to the right or left to move between several menus.
- 2. Double-tap the menu to activate it.
- 3. Drag with two fingers to scroll.

[How to stop using the Talkback feature]

- 1. Volume Key: Press 2 volume button for a few seconds at the same time.
- 2. set-up : Tap Enable TalkBack. The outline is displayed. Tap it twice.

When the confirmation message is displayed, tap the stop. The outline is displayed. Tap it twice.

Use accessibility button to open

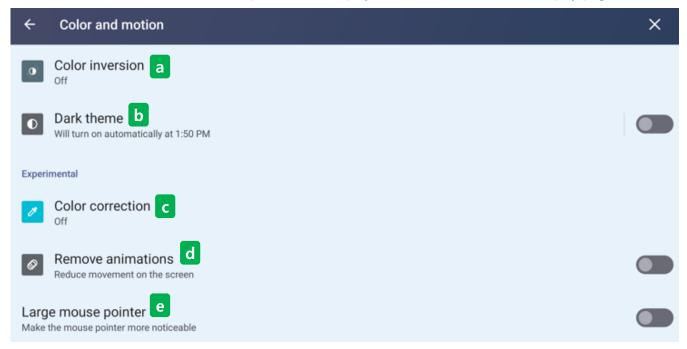


To use this feature, tap the accessibility button on your screen.

GOT IT

③ Display size and text

- This feature is the same as the description of the Display menu. Please refer to the Display page.



④ Color and motion

-Users can adjust the color users see on the Android screen or control the animation behavior.

(a) Color inversion

- The color inversion function changes light colors to dark colors and dark colors to light colors.

b Dark theme

- The Dark theme is the same as the Wallpaper setting, and changes the Android UI to an overall darker color.
- The details of the feature are the same as the Wallpaper menu. Please refer to the Wallpaper page.

© Color correction

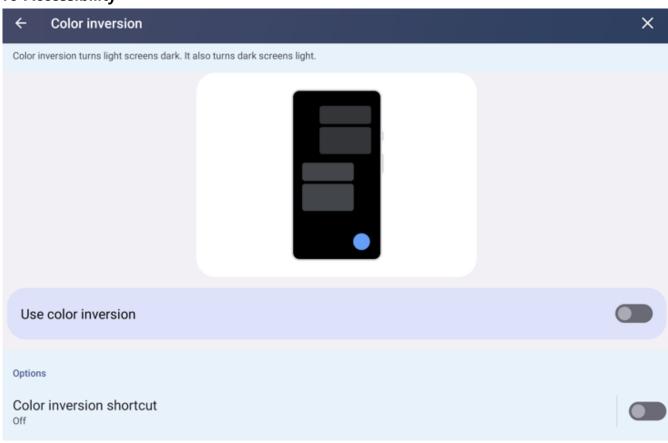
- Color correction functions are used to check the color more accurately or to remove colors to help users concentrate.

d Remove animations

- Removes the animated UI on the Android screen to reduce screen movement.

Large mouse pointer

- Change the pointer size of the mouse connected to IFPD.



(a) Color inversion

- The color inversion function changes light colors to dark colors and dark colors to light colors.

(i) Feature supplement descriptions

- Colors change in media and images.
- Color inversion works in all apps.
- To display a dark background, a dark theme can be used instead.

÷	Color correction	×
Adjus	t how colors display on your tablet	
Re		
Ora	nge	
Ye	ow	
Gri	en	
Cy	in and the second s	
Blu	e	
Pu	ple	
Gra	y	
Us	e color correction	
0	Red-green Green weak, deuteranomaly	
0	Red-green Red weak, protanomaly	
۲	Blue-yellow Tritanomaly	
0	Grayscale	
Optio	ns	
Col _{Off}	or correction shortcut	
()		
 See 	correction can be helpful when you want to: colors more accurately love colors to help you focus	

© Color correction

- Color correction functions are used to check the color more accurately or to remove colors to help users concentrate.

(i) Feature supplement descriptions

- Use to verify colors more accurately.
- Use to remove colors to help focus.



Remove animations Reduce movement on the screen

d Remove animations

- Removes the animated UI on the Android screen to reduce screen movement.
- When turn on this function, all the movements that operate on Android will not change smoothly and change immediately.

Large mouse pointer Make the mouse pointer more noticeable

Large mouse pointer

- Change the pointer size of the mouse connected to IFPD.

Large mouse pointer

Make the mouse pointer more noticeable

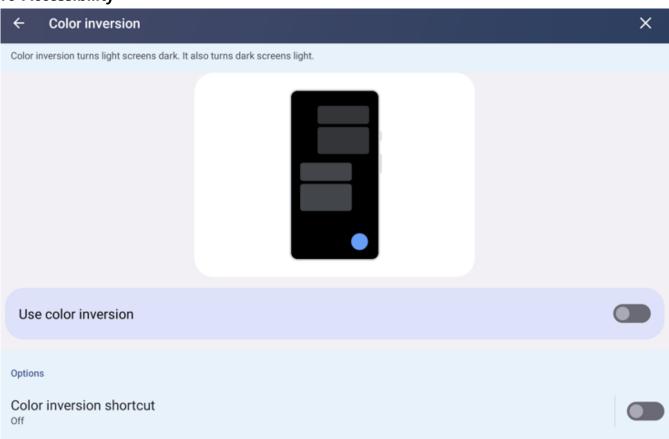
Large mouse pointer

Make the mouse pointer more noticeable



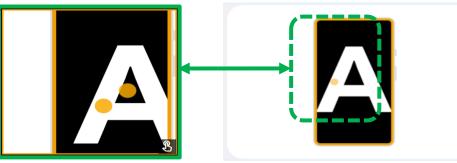
Large mouse pointer On





(5) Magnification

- The zoom function is a feature that allows users to zoom in on the screen and display them in a separate window.



(i) Feature supplement descriptions

[How to zoom in]

- 1. Use hotkeys to start zooming in.
- 2. Tap the screen.
- 3. Drag two fingers to move around the screen
- 4. To adjust the zoom in/out, open and close two fingers.
- 5. Use hotkeys to stop zooming in.

[How to temporarily zoom in]

- 1. Make sure that the zoom type is set to Full Screen.
- 2. Use the hotkeys to start zooming.
- 3. Touch and hold anywhere on the screen.
- 4. Drag two fingers to move around the screen
- 5. Release your finger to stop zooming in.

← Accessibility	×
Interaction controls	
Accessibility Menu 6 Shortcut on / Control device via large menu	
8 Timing controls 7	
辈 System controls 8	
Captions	
E Live Caption 9 Automatically caption media	
Caption preferences 10	
Accessibility Menu	×
The Accessibility Menu provides a large on-screen menu to control your device. You can lock your device, control volume and brightness, take screenshots, and more.	
• 🚺 🕚	
 (a) (b) (c) (c)	
Options	
Accessibility Menu shortcut	
Settings	

6 Accessibility Menu

- The Accessibility menu allows users to control your device with a menu that appears large on the screen.
- Tasks such as device lock, volume and brightness control, and screenshot are supported.

ASSISTANT	ACCESSIBILITY SETTINGS	POWER	ssibility Menu r Menu provides a large on- d more.	screen menu to control yo	our device. You	u can lock your device	, control volume and b	orightness, take	×	
				•		C				
VOLUME DOWN	VOLUME UP	RECENT APPS		 	 	•••				
_	_	_				-				
BRIGHTNESS DOWN	BRIGHTNESS UP	LOCK SCREEN	y Menu shortcut ^{ton}							_(ē
i (i		÷								

6 Accessibility Menu

- When turn on the feature, the accessibility menu icon appears on the right, and when you select the icon, the menu appears on the left.
- This menu makes it easy and fast to run features such as brightness, volume, power, lock, notification, and screenshots etc.

←

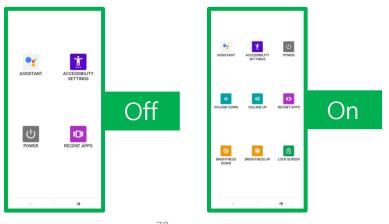
Accessibility Menu Settings

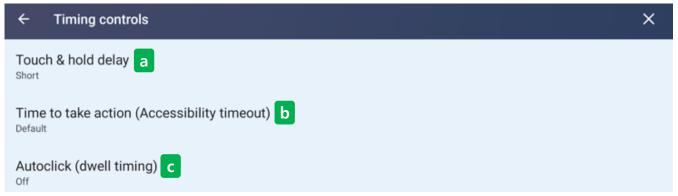
Large buttons Increase size of Accessibility Menu Buttons

Help & feedback

6 Accessibility Menu

- In the detail settings, users can change the icon size of the accessibility menu to make it larger.





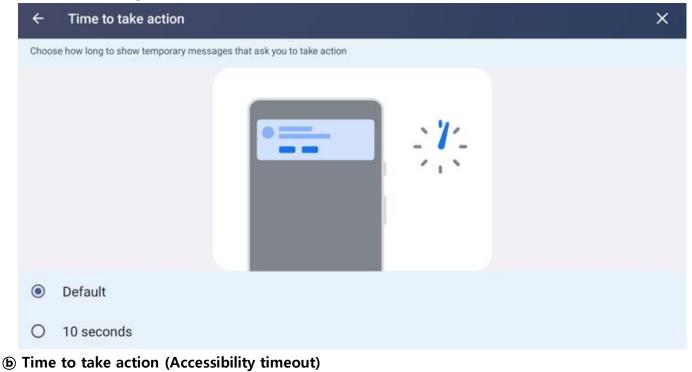
⑦ Timing controls

- The timing control function controls long-pressing touch, time to take action, and automatic clicking mouse.
- Timing preferences are not supported on all apps.

Touch & hold delay					
٢	Short				
0	Medium				
\bigcirc	Long				

(a) Touch & hold delay

- Users can select the delay time of the functions that operate by pressing the touch long in three steps: short, medium, and long.



- Select the time at which users are prompted to take action.
- Users can set it to default, 10 sec, 30 sec, 1 min, 2 min,

÷	Autoclick (dwell timing)	×
You ca	an set a connected mouse to click automatically when the cursor stops moving for a certain amount of time	
۲	Autoclick off	
0	Short 0.2 seconds	
0	Medium 0.6 seconds	
0	Long 1 second	
0	Custom	
()		
Autoo	lick can be helpful if clicking the mouse is difficult	

ⓒ Auto click (dwell timing)

- If the cursor stops the movement for a certain time, users can set the connected mouse to automatically click.
- Users can choose Not to use, 0.2 sec, 0.6 sec, 1 sec, custom (0.2 sec to 1 sec).
- Automatic clicks can be useful when mouse clicks are difficult.

÷	System controls	×
	tem navigation ure navigation	
÷	System navigation	×
۲	Gesture navigation a To go Home, swipe up from the bottom of the screen. To switch apps, swipe up from the bottom, hold, then release. To go back, swipe from either the left or right edge.	٢
0	3-button navigation b Go back, Home, and switch apps with buttons at the bottom of your screen.	۲

(8) System controls

- The System Control feature sets up functions related to moving to the Home screen or switching to the App

screen.

← Gesture Navigation Sensitivity	×			
Digital assistant				
Swipe to invoke assistant Swipe up from a bottom corner to invoke digital assistant app.				
Back Sensitivity				
Left edge				
Low	• High			
Right edge				
Low	• High			
\bigcirc				
Higher sensitivity may conflict with any app gestures along the edges of the screen.				

(a) Gesture navigation

- Users can use gestures to navigate to the Home screen, switch apps, and set sensitivity.





×

Hold Home for Assistant

Press and hold the Home button to invoke digital assistant app.

b 3-button navigation

- Use the three buttons at the bottom of the screen to go to the Home screen or switch apps.
- To launch the Digital Assistant app, press and hold the Home button.

3:45 🖸 🎯 🖬 🛔 ·

÷

Live Caption

Live Caption detects speech on your device and automatically generates captions Use Live Caption Settings а Languages English only. More languages coming soon. Hide profanity **b** \bigcirc Profanity will be replaced with an asterisk symbol * С Show sound labels Includes sounds like laughter, applause and music Live Caption in volume control Help **(**) How to use Live Caption To move captions, touch and hold. Then drag up or down.
 To expand captions, double-tap them. Keep in mind Live Caption increases battery usage.
 All audio and captions are processed on your device. They're never sent to Google.
 Live Caption is available in English only.
 Song lyrics aren't captioned. Learn more

(9) Live Caption

- The real-time subtitle feature detects voice on the device and automatically generates subtitles.

a. Languages

- Currently, it is only available in English and other languages will be supported soon.

b. Hide profanity

- The swear words of the subtitles are replaced by the asterisk (*).

c. Show sound labels

- It includes sounds such as laughter, clapping and music.

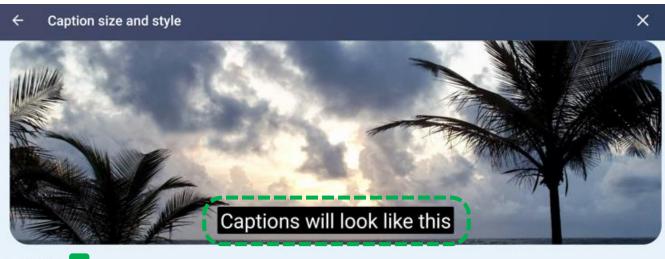
d. Live Caption in volume control

- Set the use of real-time subtitles in volume adjustment.

← Caption preferences	×
Customize caption size and style to make them easier to read	
Show captions	
Caption size and style a Medium / White on black	
More options b	
\bigcirc	
These caption preferences aren't supported by all media apps	

(10) Caption preferences

- Users can set how subtitles are displayed.



Text size c

The set subtitles are displayed here.

Caption style d

(a) Caption size and style

- Users can set the size and font style of the subtitles.

Text size Medium

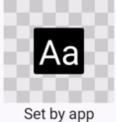
Text size				
0	Very small			
0	Small			
۲	Medium			
0	Large			
0	Very large			

© Text size

- Set the text size of the subtitles.

Caption style White on black

Caption style





White on black



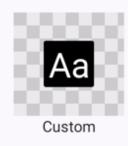
Black on white



Yellow on black



Yellow on blue



(d) Caption style

- Sets the style of subtitles.



These caption preferences aren't supported by all media apps

b More options

- Additional options set the language displayed as subtitles.

(i) Feature supplement descriptions

- These subtitle preferences are not supported by all media apps.

Language

- Default
- 日本語
- 中文(繁體)
- 中文(香港)
- 中文(简体)
- 한국어
- Afrikaans
- 🔿 Català
- Čeština
- O Dansk
- Deutsch
- English (Australia)
- English (Canada)
- English (India)
- English (United Kingdom)

Language

 An additional option is available to set the language in which the subtitles are displayed.
 Currently, only English is supported.

Audio	
Audio description 11 Hear a description of what's happening on screen in supported movies and shows)
Hearing aids 12 No hearing aids connected	
Audio adjustment 13	
General	
Accessibility shortcuts 14	
Text-to-speech output 15	

(1) Audio description

- Listen to the situation of movies and programs with audio description as a voice description.

Pair hearing aids

On the next screen, tap on your hearing aids. You may need to pair the left and right ears separately.

Make sure your hearing aids are turned on and ready to pair.

CANCEL CONTINUE

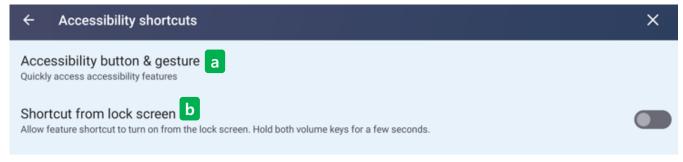
12 Hearing aids

- Pair the hearing aid with Bluetooth and connect.



13 Audio adjustment

- When playing audio, unify the channel or adjust the left and right speaker direction.



Accessibility shortcuts

- Set it to run quickly to accessibility functions.

← Accessibility button & gesture	×
Quickly access accessibility features from any screen	
Use button or gesture Button	
Small	
Fade when not in use Fades after a few seconds so it's easier to see your screen	
Transparency when not in use	
\odot	
To get started 1. Go to accessibility settings 2. Select a feature and tap the shortcut 3. Choose whether you want to use a button or gesture to access the feature	

(a) Accessibility button & gesture

- Users can set the accessibility function quickly on any screen.
- You can enable shortcut keys on the lock screen, or adjust the shortcut icon size and transparency.

b Shortcut from lock screen

- Allows the use of feature shortcuts on the lock screen.

← Text-to-speech output			×
Preferred engine a Speech Services by Google			÷
Language b Korean (South Korea)			
Speech rate C			
Pitch d			
	_		
PLAY	е	RESET	

(5) Text-to-speech output

- Sets the feature when the system reads text aloud.

(a) Preferred engine

- Select the default engine that reads the voice. Basically support Google Voice Service.

b Language

- Set a language with voice.

© Speech rate

- Adjust the speed of voice.

d Pitch

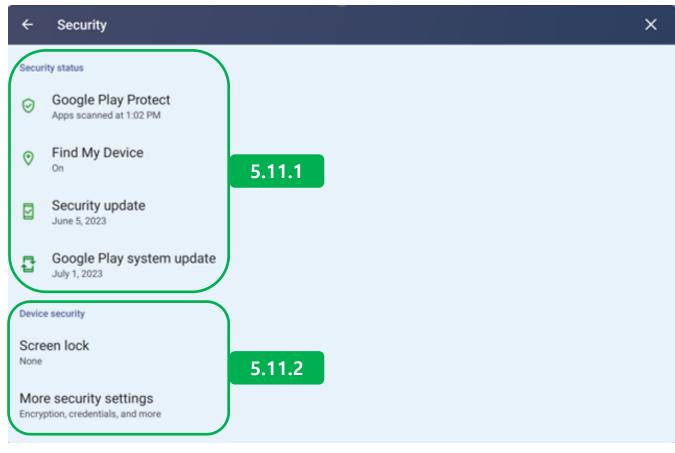
- Adjust the tone of the voice.

Play & reset

- Users can listen to the set voice by pressing the play button.
- To return to the default setting, press the initialization button.

5. System setting

5.11 Security



✤ Security

- Users can check or upgrade the product's Android internal security system.

5.11.1 Security status

÷	Play Protect		b 🌣
		No harmful apps found Play Protect scanned 5 minutes ago	
		Recently scanned apps	
>		♀ 💤 💿 🖬 🖸 🕨 🖪 😭 G 🔯 🔄 🎥 🗰 🕰 🙄 422 Apps scanned 5 minutes ago	
		Play Protect regularly checks your apps and device for harmful behavior. You'll be notified of any security risks found.	
		Learn more	

1 Google play protect

- It inspects the harmfulness of the product internal Android App to increase the systemic stability of the product.

a. Scan

- Press the SCAN button to proceed with the hazardous test for the installed app.

4	Play Protect settings		
		General	
		Scan apps with Play Protect	
		Play Protect can scan this device and warn you about harmful apps	
		Improve harmful app detection	
		Send unknown apps to Google for better detection	
		App privacy	
		Permissions for unused apps	
		Review permissions for apps that you haven't used in a few months	

b. Google play protect settings

- Users can change the settings for the hazardous test of the Android App.

5.11.1 Security status

←	
Find My Device	
Use Find My Device	
Ways to use Find My Device	
Get it on Google Play	
Find My Device web Open web portal	
0	
Find My Device helps you locate this device remotely. If you lose this device, it also helps you keep your data safe.	

② Find my device

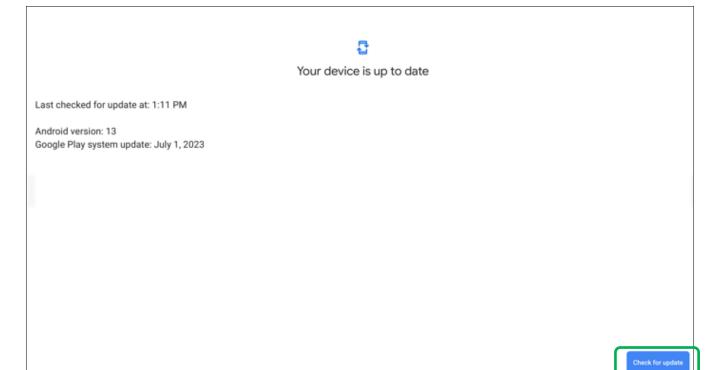
- Find the peripherals logged in with this Google account like this product.

Your system is up to date	Android version: 13 Android security update: June 5, 2023
	Last successful check for update: 1:04 PM
	Check for update
	Спеск то враве

③ Security update

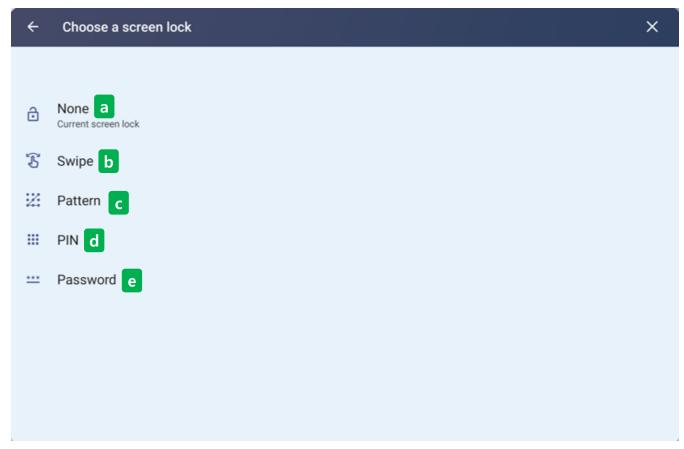
- Users can check the current status of the security update version.
- Users can update the update version by pressing the check for update button.

5.11.1 Security status



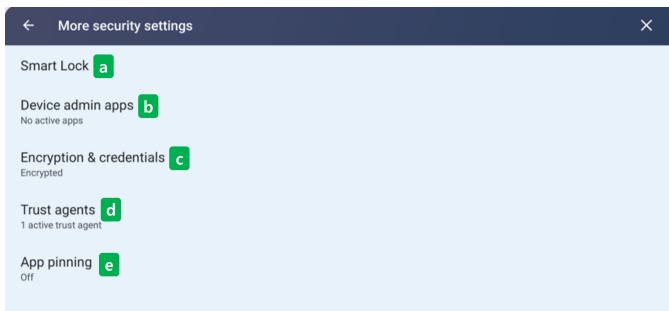
④ Google play system update

- Users can check the current status of the update version of Google Play System.
- Users can update the update version by pressing the check for update button.



① Screen lock

- Background screen lock is available.
- a. None : Disable the lock feature.
- b. swipe : The locking function can be released by hand sweeping.
- c. Pattern : Users can unlock the lock function by drawing a specified pattern.
- d. PIN : Users can unlock the lock function by entering the specified PIN number.
- e. You can unlock the lock function by entering the specified password.



② More security settings

- Additional security settings can be checked.

÷	
Sr	nart Lock
Кеер	this device unlocked while it's on you, at specific places that you trust, or near your connected devices
0	Trusted places 0 places added
60	Trusted devices 0 devices added

a. Smart Lock

- Trusted places : Locking is automatically released when placed in place by specifying a place.
- Trusted devices : The device is specified and the lock is automatically released when the device is around.



×

b. Device admin apps

- Find my device app can be enable/disable.
- OTA Service app can be enable/disable.

← Encryption & credentials

Encryption

Encrypt tablet Encrypted

Credential storage

Trusted credentials Display trusted CA certificates

User credentials View and modify stored credentials

Install a certificate Install certificates from SD card

Clear credentials Remove all certificates

Certificate management app

c. Encryption & credentials

- Encrypt tablet : Users can check the tablet encryption.
- Trusted credentials : Displays a list of trusted users' credentials.
- User credentials : View and modify stored user credentials.
- Install a certificate : Install a certificate on device.
- Clear credentials : Delete the certificate installed on the device.



d. Trust agents

- Smart lock function can be enable/disable.

← App pinning	×
Use app pinning	
App pinning allows you to keep the current app in view until you unpin it. This feature can be used, for example, t game.	o let a trusted friend play a specific
Lock device when unpinning	
0	
When an app is pinned, the pinned app may open other apps and personal data may be accessible.	
f you want to securely share your device with someone, try using a guest user instead.	
To use app pinning: 1. Turn on app pinning 2. Open Overview 3. Tap the app icon at the top of the screen, then tap Pin	

e. App pinning

- Even if the screen of the device is switched by fixing the currently used app, the app will run as it is.

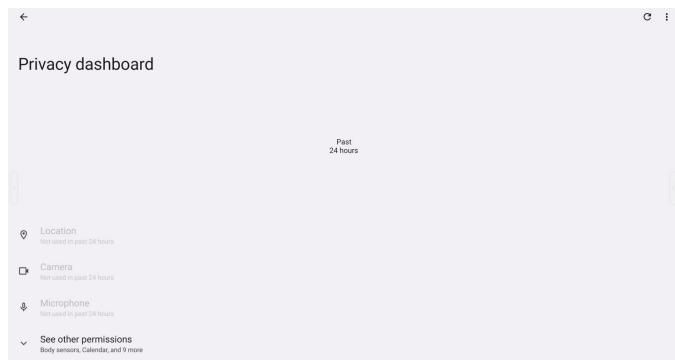
5. System setting

5.12 Privacy



Privacy

- You can manage privacy, permissions, locks, and more.



Privacy dashboard

- Shows apps that have recently used permissions.

Permission manager

- Body sensors 0 of 0 apps allowed
 Calendar 3 of 4 apps allowed
- Call logs 2 of 3 apps allowed
- Camera 3 of 11 apps allowed
- Contacts 7 of 16 apps allowed
- Files
 1 of 2 apps allowed
- Location 3 of 14 apps allowed
- Microphone
 5 of 14 apps allowed

Permission manager

- Manage permissions for apps and other contents on your device.

Show passwords Display characters briefly as you type

③ Show passwords

- Display characters briefly as you type.

Notifications on lock screen				
۲	Show all notification content			
\bigcirc	Show sensitive content only when unlocked			
0	Don't show notifications at all			

④ Notifications on lock screen

- Choose how you want notifications displayed on the Lock Screen

<
Android System Intelligence
Device learning Get suggestions based on the people, apps, and content you interact with Learn more about device learning
Keyboard Show smart replies and paste suggestions
Clear data Erase what your device has learned

⑤ Android System Intelligence

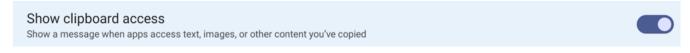
- Support a variety of smart features that improvement of user experience by learning from your device.

App content Allow apps to send content to the Android system



6 App content

- Send the content of your apps to the Android system.



⑦ Show clipboard access

- Show a message when apps access text, images, or other content you've copied



⑧ Autofill with Google

- Instantly recall long sentences of saved passwords, addresses, and more.

Activity controls Choose the activities and info you allow Google to save

Activity controls

- Choose the activities and info you allow Google to save (web, location, Youtube, ads, etc)

← Ads	:
Reset advertising ID	
Opt out of Ads Personalization Instruct apps not to use your advertising ID to build profiles or show you personalized ads.	
Ads by Google	
Your advertising ID: 811dd211-752c-44bf-b870-c0cf50497492	

10 Ads

- Manage Ads settings by Google.

<	
Usage & diagnostics	
Usage & diagnostics	
0	
	cally sending diagnostic, device, and app usage data to Google. This will help battery life, system and app stability, and other improvements. Some aggregate data will also s. If your additional Web & App Activity setting is turned on, this data may be saved to your Google Account.
This is general information about your device and how you Google apps and partners, such as Android developers, ma	use it (such as battery level, system and app activity, and errors). The data will be used to improve Android devices and some aggregated information will also help ake their apps and products better.
Furning off this feature doesn't affect your device's ability to	o send the information needed for essential services such as system updates and security.
Learn more	

1) Usage & diagnostics

- Connectting data in your device with Google to improve user's device experience.

5. System setting

5.13 Location

	×
Use location	D
Recent access	
No apps recently accessed location	
> See all	
App location permissions 3 of 14 apps have access to location 2	
Location services 3	
0	
Location may use sources like GPS, Wi-Fi, mobile networks, and sensors to help estimate your device's location. Google may collect location data periodically and use this data in an anonymous way to improve location accuracy and location-based services.	
Apps with the Nearby devices permission can determine the relative position of connected devices.	
Learn more about Location Settings.	

① Recent access

- Get the apps information that have recently requested your location

② App location permissions

- Get the apps information that have recently requested your location

5.13 Location

← Location serv	rices		×
Earthquake alerts			
Emergency Locatior	n Service		
Google Location Act	curacy		
Google Location His	story		
Google Location Sha	aring		
Wi-Fi scanning ^{On}			
Bluetooth scanning ^{On}			

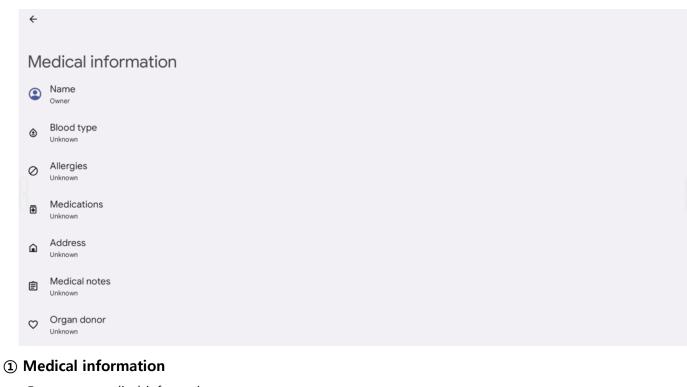
③ Location services

- Get the view a list of location services that your product is using.

5. System setting

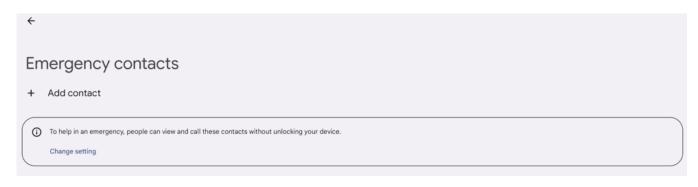
5.14 Safety & emergency

÷	Safety & emergency		×
•	OPEN PERSONAL SAFETY		
4	Medical information Name, blood type and more]1	
2*	Emergency contacts Add emergency contacts	2	
505	Emergency SOS Managed by Personal Safety	3	
٢	Crisis alerts Sign in to Personal Safety	4	
۲	Emergency Location Service	5	
Eart ^{On}	hquake alerts	6	



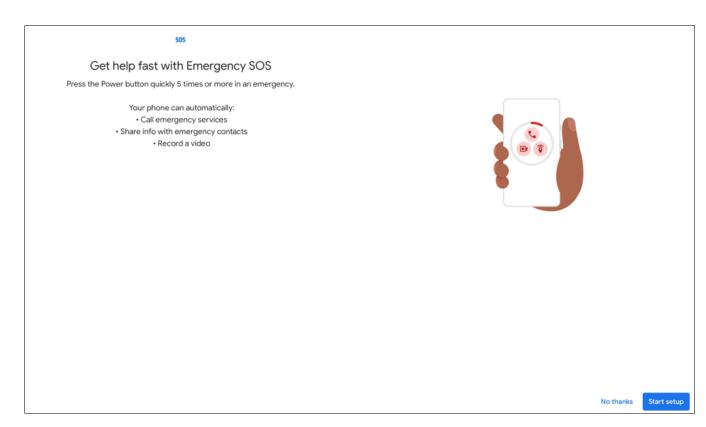
- Enter your medical information.

5.14 Safety & emergency



② Emergency contacts

- Add an emergency contact.



③ Emergency contacts

- Press the power key quickly five(5) times to call an set number when you are in an emergency situation

5.14 Safety & emergency

← Crisis alerts	
Crisis alerts	
Get notified about natural disasters and public emergencies affecting your area	
Sign in to your account to use crisis alerts	
	Sign in
Personal Safety uses your device's location to find info about crises affecting your area, even when the app is closed or not in use.	
Keep in mind, Personal Safety may not notify you about all public emergencies.	
Learn more	

④ Crisis alerts

- Enable/disable the disaster notification feature.

\leftarrow			
Emergency Location Service			
Use Emergency Location Service			
0			
If Emergency Location Service is supported in your region, when you call or text an emergency number, your device can automatically send its location to emergency response partners.			
When you call or text an emergency number, Emergency Location Service may use your device's location and Google Location Accuracy even if those settings are off. ELS may also turn on your device's WiFi setting.			
If Emergency Location Service is off, your mobile carrier may still send your device's location during an emergency call.			
If you have opted in to sending additional data as part of an emergency call, such as whether your device detected a car crash, Emergency Location Service may also share that information with emergency response partners.			
Learn more			

(5) Emergency Location Service

- Enable/disable the Emergency location alert feature.

5.14 Safety & emergency



⑥ Earthquake alerts

- Enable/disable earthquake alerts.

5. System setting

5.15 Passwords & accounts

← Passwords & accounts	×
Passwords	
G Google 1	
Autofill service	
G Google 2	۲
Accounts for Owner	
G newdawn2389@gmail.com Google	
+ Add account	
Automatically sync app data Let apps refresh data automatically 4	

1 Passwords

- Manage your saved passwords in your Google account

÷	Autofill service	×
0	None	
۲	G Google	
+	Add service	

② Autofill service

- Add autocomplete functionality.

5.15 Passwords & accounts

Accounts for Owner G newdawn2389@gmail.com Google

③ Accounts for owner

- You can view your currently registered google account, or add a new one.

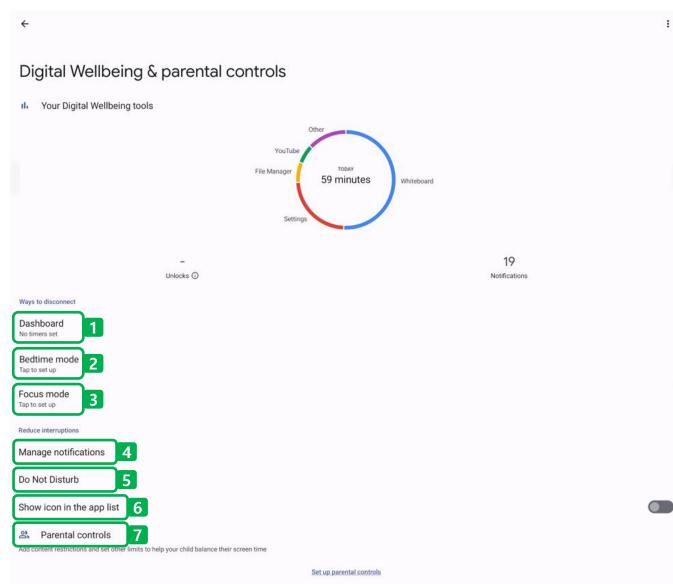
Automatically sync app data Let apps refresh data automatically

④ Automatically sync app data

- Enable / disable let apps refresh data automatically on the device

5. System setting

5.16 Digital wellbeing & parental controls



✤ Digital wellbeing & parental controls

- Manage to see the device usage history and manage kids' device use

5.16 Digital wellbeing & parental controls

÷							:
Da	shboard						
				Screen time 👻			
				1 hour			
		_					2h 1h
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday Oh
			<	Mon, Aug 14			
8	Set timers for you You can set daily timers		ner ends, the app is paused for the re	est of the day.			×
1	Whiteboard 30 minutes						8
\$	Settings 15 minutes						G

1 Dashboard

- You can see the usage time of the apps on your device, and set a daily timer for each app so that when the set time is reached, the app stops for the rest of the day.

		۲. ۲.	
		Sleep better with Bedtime mode	
		Silence your phone and change your screen to black and white at bedtime. Only alarms and important calls can reach you.	
	Θ	Do Not Disturb for Bedtime mode Only calls from starred contacts, repeat callers, and alarms can reach you	
	Ca	ancel	Next
(2)	Be	dtime mode	

- Mute your device and dim the screen brightness.
- Bedtime mode is available for calls and notifications from separately saved contacts and repeat callers

\leftarrow	:
Focus mode	
When you need time to focus, you can pause distracting apps and hide their notifications	
+ Set a schedule	
TURN ON NOW	
Select distracting apps	
🔁 Whiteboard	
File Manager	
YouTube	
OTA Service	
Welcome	
HardwareDetect	
Show all 38 apps	~

③ Focus mode

- Focus mode will also silence those apps' notifications until you're ready to switch out of the mode

÷	App notifications	0	:	×
Mo	est recent 👻			
1	Whiteboard 35 minutes ago			
8	A4 minutes ago			
G	Google 49 minutes ago			
<u>.</u>	iMirror 50 minutes ago			
Þ	68 minutes ago			
2	OTA Service 74 minutes ago			

④ Manage notifications

- Enable/disable notifications for apps on your device.

5.16 Digital wellbeing & parental controls

÷	Do Not Disturb	×
Only g	et notified by important people and apps	
TUP	RN ON NOW	
What o	can interrupt Do Not Disturb	
Peop Some	people can interrupt	
Apps No app	a a social a	
	ms & other interruptions s and media can interrupt	
Genera	al	
Sche None	edules	
Dura Until ye	tion for Quick Settings b	
	lay options for hidden notifications ly hidden	

5 Do Not Disturb

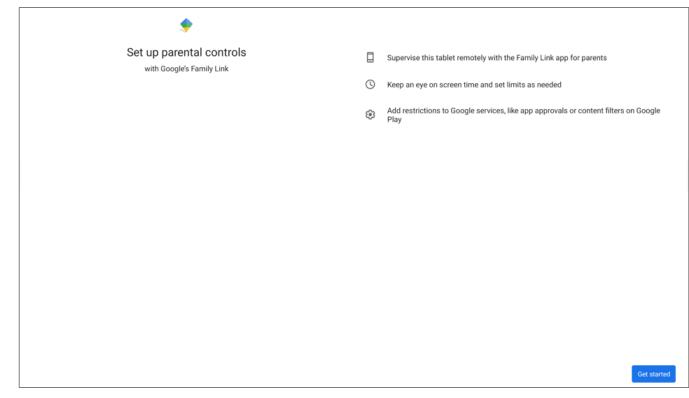
- Enable/disable with Do Not Disturb

a. You can receive separately designated apps, contacts, notifications, etc. even when Do Not Disturb is active.

b. Schedule or manage the activation of Do Not Disturb by specifying a time.

(6) Show icon in the app list

5.16 Digital wellbeing & parental controls



⑦ Parental controls

- You can manage this device remotely with a separate Family link app.
- You can manage your kids' device usage by restricting app and service approvals, and more.

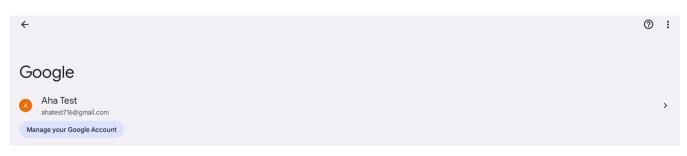
5. System setting

5.17 Google

<	0	:
Google		
Aha Test Ahatest716@gmail.com		>
Manage your Google Account		
COVID-19 support		
COVID-19 Exposure Notifications		
Services on this device		
Ads 2		
Autofill 3		
Backup 4		
Devices & sharing 5		
Find My Device 6		
Parental controls 7		
Personalize using shared data 8		
Set up & restore 9		
Settings for Google apps 10		

* Google

- You can manage your Google account, apps, backups, and many other related features.



① Google account

- You can manage your google account logged into currently

← Ads	:
Reset advertising ID	
Opt out of Ads Personalization Instruct apps not to use your advertising ID to build profiles or show you personalized ads.	
Ads by Google	
Enable debug logging for ads Instruct apps to write ads debugging information (such as network traffic) to the system log.	
Your advertising ID: a8faa53c-1c28-439c-8d93-4d49ba1480ad	

2 Ads

- Manage Ads settings by Google

	<	۲
	Autofill	
	Autofill with Google	
	SMS verification codes	
3	Autofill	

- Manage the Google autocomplete feature.

÷	Backup
<u></u>	Account storage newdawn2389@gmail.com
	4.3 GB of 15 GB (29%) used
	Manage storage
1	Backup by Google One rk3588_t • Checking status
	Back up now
	Your device backs up automatically over Wi-Fi after it's been idle and charging for 2 hours
Back	up details
	Apps Checking status
අ	Photos & videos _{Off}
()	Device settings Checking status
G	Google Account data Synced with Contacts, Calendar, and more

④ Backup

- Manage data backup, recovery, and more with your Google account.

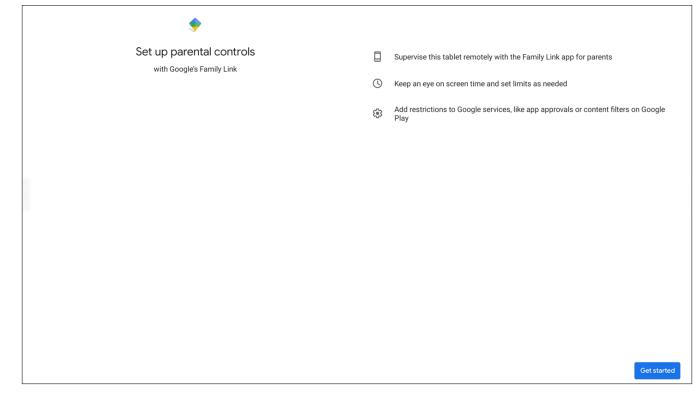
	\leftarrow	۲
	Devices & sharing	
	Cast options	
	Devices	
	Nearby Share	
5	Devices & sharing	

- You can share data, documents, photos, and more with nearby devices by using Bluetooth or Wi-Fi

\leftarrow	
Find My Device	
Use Find My Device	
Ways to use Find My Device Find My Device app Get it on Google Play Find My Device web Open web portal Image: The My Device helps you locate this device remotely. If you lose this device, it also helps you keep your data safe. Learn more	

6 Find My Device

- You can find your devices connected to your Google account in the app or on the website



⑦ Parental controls

- You can manage this device remotely with a separate Family link app.
- You can manage your kids' device usage by restricting app and service approvals, and more.

<	
Personalize using shared data	
Apps	
Clock	
Other On-device Sources	
Device Contacts	
Let Google apps use on-device data shared by these apps and other sources to improve your Android experience with things like better recommendations and suggestions.	
Learn more	

(8) Personalize using shared data

- Google apps share data with other apps on your device to make your Android experience better with recommendations and suggestions.



9 Set up & restore

- Manage the setup and restoration of Google data on your device.

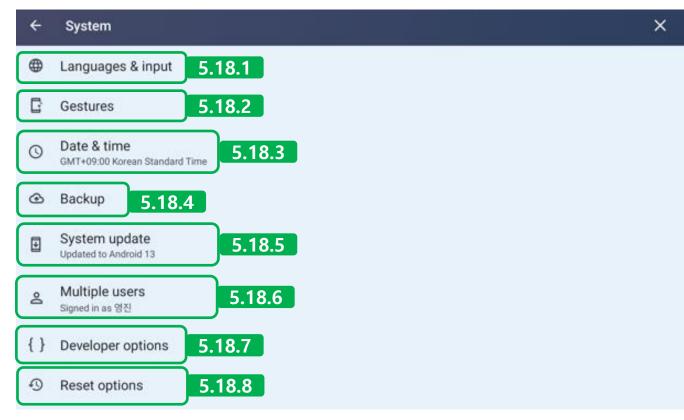
*	<
5	Settings for Google apps
C	Connected apps
C	Google Contacts sync
G	Google Fit
c	Google Play Instant
s	earch, Assistant & Voice

10 Settings for Google apps

- Manage settings related to the integration of Google apps.

5. system settings

5.18 System



System

- Manage settings for data, language, time, backups, and more on your device.

← Languages & input	×
Preferred Language Languages English (United States) and Korean (South Korea) App Languages Set the language for each app	
Keyboards	
On-screen keyboard Gboard and Google Voice Typing	2
Physical keyboard Dell Dell QuietKey Keyboard, fd8b0030.pwm, and IST vitual input to receive mcu command	
Speech	
Voice input Speech Services by Google	3
Text-to-speech output	
Tools	
Spell checker Gboard spell checker	
Personal dictionary Add words to be used in apps such as Spell checker	4
Pointer speed	

5.18.1 Language & input

① Preferred language

- Languages: Allows users to freely change the UI language on the device.
- App languages: Users can freely change the app language on their device.

② Keyboards

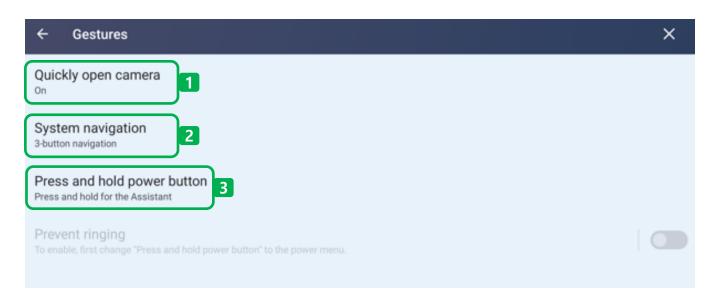
- On-screen keyboard: Manage settings such as language, layout, and more for the touch keyboard.
- Physical keyboard: Manage settings such as language, layout, and more for the physical keyboard.

③ Speech

- Voice input: A voice service feature supported by Google.
- Text to speech output: Manage other settings such as the language of the speech service, speaking speed, and more.

④ Tools

- Spell checker: Use Gboard's spell checker.
- Personal dictionary: You can add terms to your personal dictionary by pressing the +Add button.
- Pointer speed: Changes the speed of the pointer function.



5.18.2 Gestures

① Quickly open camera

- You can open the camera immediately by quickly pressing the power button twice.

② System navigation

- You can choose to use gestures or 3-button navigation for functions like going home and going back.

③ Press and hold power button

- You can launch the Assistant by pressing and holding the power button.

← Date & time	×
Set time automatically	
Date August 16, 2023	
Time	
11-46 AM	
Time zone	
Set time zone automatically 2	
Time zone GMT+00:00 Korean Standard Time	
Time format	
Use locale default 3	
Use 24-hour format	

5.18.3 Date & time

① Date & time setting

- You can set the date and time automatically or manually.
- An internet connection is required to use automatic features.

② Time zone

- You can set the world time zone automatically or manually.
- An internet connection is required to use automatic features.

③ Time format

- You can set the current time representation format to AM, PM, or 24 hours.

÷		
Ba	ckup	
0	Account storage newdawn2389@gmail.com	
	4.3 GB of 15 GB (29%) used	
0	Backup by Google One rk3588_t • No data backed up	
	Back up now	
	Your device backs up automatically over Wi-Fi after it's been idle and charging for 2 hours	
Backu	p details	
ш	Apps No data backed up	
₽	Photos & videos off	
۹	Device settings No data backed up	
G	Google Account data Synced with Contacts, Calendar, and more	
Advar	nced settings	
ш	Back up using metered Wi-Fi data ^{Charges may apply}	

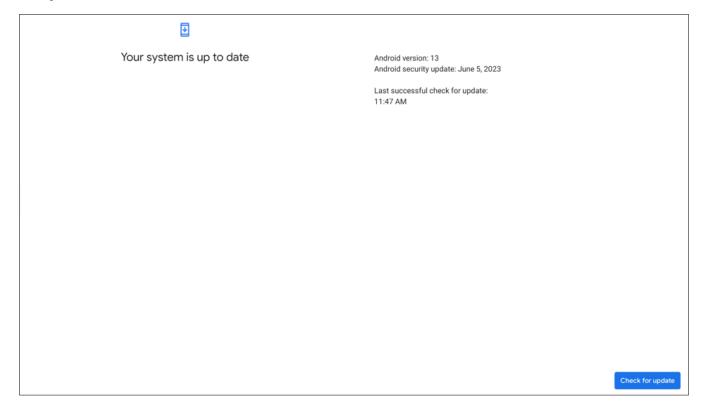
5.18.4 Backup

1 Backup start

- You can back up data within your device.

② Backup detail

- It allows you to backup individual items on your phone, such as apps, pictures and more.



5.18.5 System update

- You can find your device's Android version, update date and more. And you can upgrade latest version.

÷	Multiple users	×
All	ow multiple users	
0	Add guest Add user	
Add	users from lock screen	

5.18.6 Multiple users

- You can see the users on the device, and you can also allow multiple users, you can start adding and managing users.

← Developer options	۹ X
Use developer options	
Memory Avg 4.0 GB of 8.2 GB memory used	
Bug report	
Desktop backup password Desktop full backups aren't currently protected	
Stay awake Screen will never sleep while charging	
Enable Bluetooth HCI snoop log Disabled	
OEM unlocking Bootloader is already unlocked	

5.18.7 Developer options

- You can use a number of developer options within your device.

← Reset options

Reset Wi-Fi & Bluetooth

Reset app preferences

Erase all data (factory reset)

5.18.8 Reset options

- Reset your device's preferences, erase all data, and more to factory reset

×

5. system settings

5.19 About device

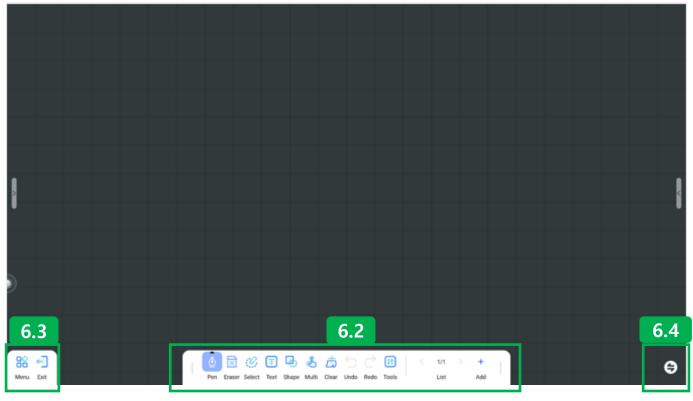
	← About device	×
E	Basic info	
	Device name rk3588_t_723CE4	
ι	Legal & regulatory	
I	Legal information	
t	Device details	
	Model rk3588_t	
	Android version	
t	Device identifiers	
1	IP address 192.168.0.120 fe80::d6d0:6b40:c7ad:7ba1	

✤ About device

- You can see the device name, Android version, and IP addresses.
- You can see the firmware version and proceed with the upgrade.

6. Whiteboard

6.1 Main Screen

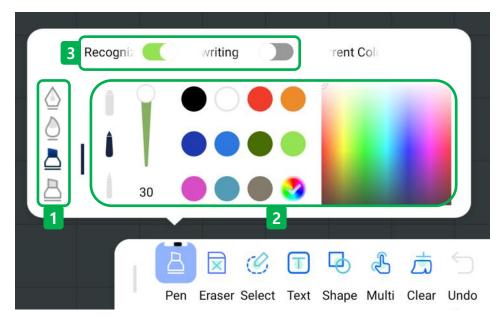


6.2 Writing toolbar

<u>B</u>	$\overline{\times}$	Ċ	1	ø	Ł	ā	5	ightarrow	Ut)	<	1/1	>	+	\square	
Pen	Eraser	Select	Text	Shape	Multi	Clear –	Undo	Redo	Tools		List		Add		

6.2.1 Moving the toolbar

- You can drag and drop toolbar button onto the left or right side.
- You can hide the toolbar by pressing the bottom button.



6.2.2 Pen

- You can freely change the type, thickness, and color of the pen.

1 Pen type

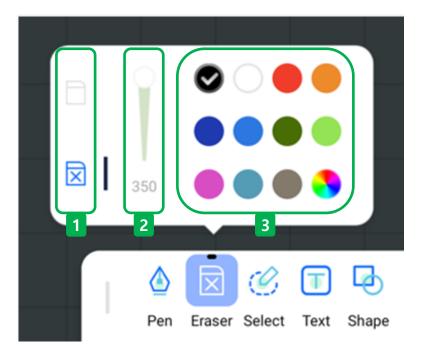
- There are four types of pens: fountain pen, brush pen, marker pen, and highlighter.

② Setting for Pen's thickness recognition

- You can use three pens concurrently, each with its own touch sensitive boldness.
- S(Small Finger) : 2.8mm, B(Big finger) : 6.5mm, F(Stylish big finger) : 10mm
- You can adjust the boldness which can be adjusted from 1 to 30.
- You can freely assign colors to each pen's on the Color board.

③ Recognition function

- Automatically recognize the shape of handwriting with a pen and turn it into a shape or text. (Select and use either Shape recognition or Text recognition).



6.2.3 Eraser

- You can freely change the type of eraser, size, color seltion and more..

1 Types of eraser



<Default>



<Select>



<Gesture>

- There are three types of erasers: default, selection, and gesture.
- Default: This is a resizable eraser that can be customized from 100 to 350.

- Select: You can erase by selecting the objects you want to erase, and you can erase give them a color of your choice.
- Gesture: Recognizes the palm of your hand or a large object and acts as an eraser, even while selecting other functions of the tool is available.

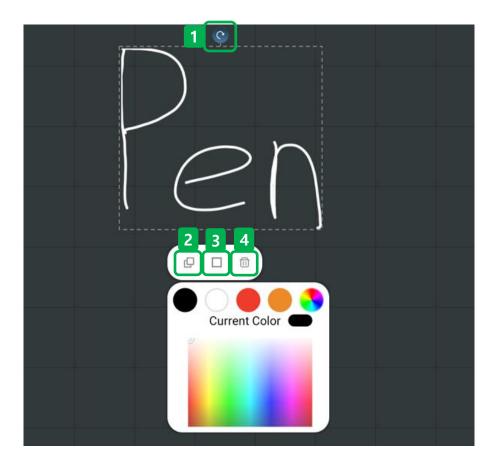
② Resize the eraser

- The eraser is resizable, and can be adjusted from 100 to 350. (This feature only works with the default eraser).

③ Erase of selected color

- Specify the color of the writing the user wants to erase so that the eraser only works with the specified color.
- 📀 This color makes the eraser function work on all colors.

(This feature only works in the Selection Erase).



6.2.4 Select

- Select an object to modify it by copying, deleting, rotating, and more.

1 Rotate objects

- Rotates the selected object.

② Copy objects

- Copies the selected objects.

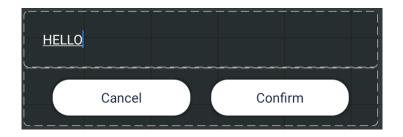
3 Object color

- Modify the color of selected objects.

④ Delete object

- Deletes the selected objects.

	1	2 urrent Col	or
			•
3	Bold D Til Underline Dele		retch
		Text Shape Mu	



6.2.5 Text

- You can freely change the size, font, color and more of the text.

1 Resize text

- Text is resizable, and can be scaled from 60 to 200.

Adjust the color of the text

- You can use any text color you want on the Color board.

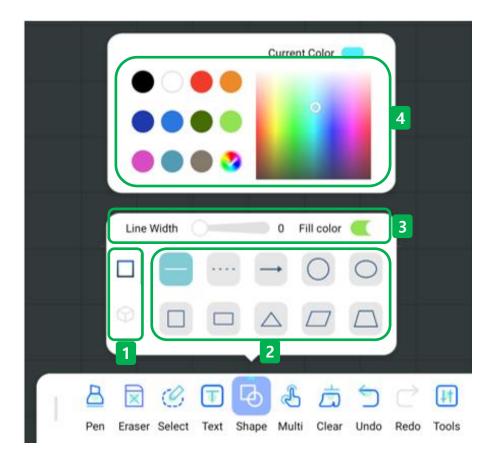
③ Adjust the text font

- You can adjust and use the font of the Text..



④ Make other edits to the text

- Once the text is loaded, you can select it to modify it with alignment, size, underline, and other features.



6.2.6 Shape

- You can freely change the type, color, size and more of the Shape.

1 Shape type

- There are two types of Shapes: 2D and 3D shapes.

② Specify a shape

- Users are free to use any shape they want on the Shape board. (You just select either 2D or 3D before using this Shape).

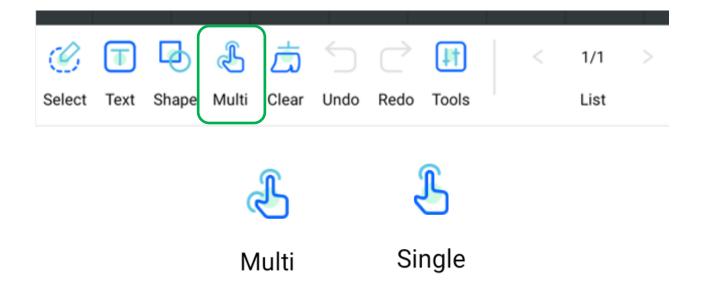
③ Adjust the thickness of the shape

- Line width : Allows you to adjust the thickness of the Shape, which can be adjusted from 0 to 25.

- Fill color: Available by specifying whether to fill the inside of the Shape or not. (This feature only works in 2D Shapes).

④ Adjust Shape color

- You are free to use any Shape color you want on the Color board.



6.2.7 Multi & single touch

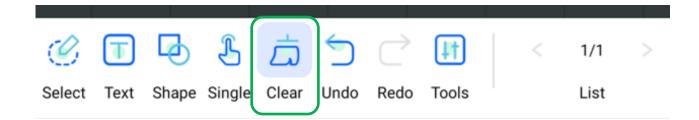
- You can adjust the number of touchable points when using the white board.

1 Multi touch

- Adjust the number of touchable points to allow for a range of 1 to 40.

② Single touch

- Adjust the number of touchable points to allow only one.
- 2point : Adjust the scale of the White board.
- 3points or more: Move everything on the White board.



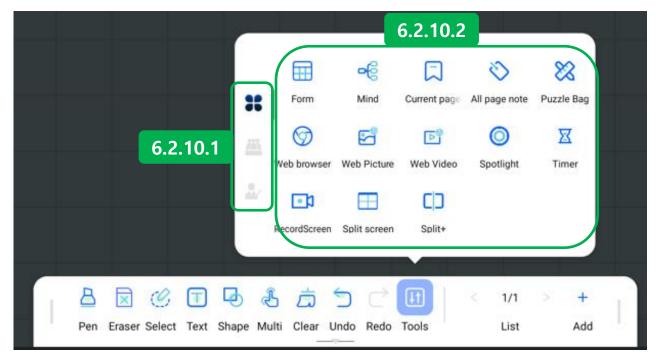
6.2.8 Clear

- Erases all the writing and everything on the White board at once.



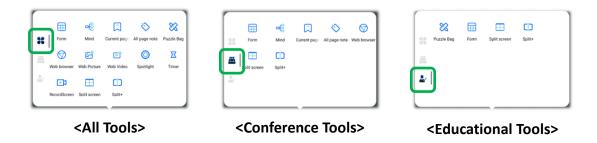
6.2.9 Undo & Redo

- Undo: Undoes the most recent touch.
- Redo: Recovers the most recent touch.



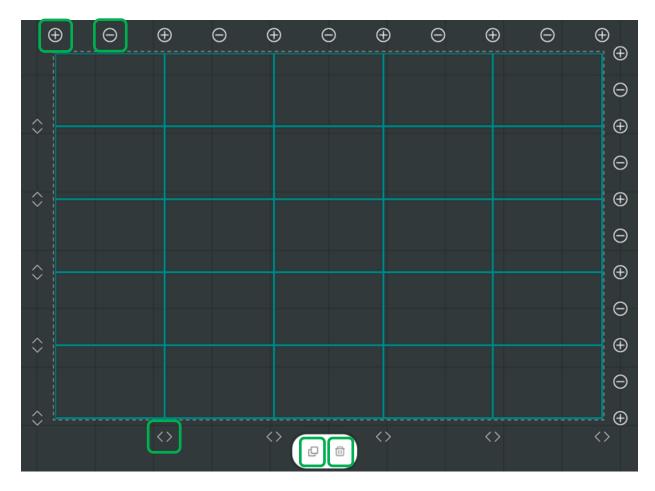
6.2.10 Tools

- You're free to pick and choose the tools you need for meetings and training."`



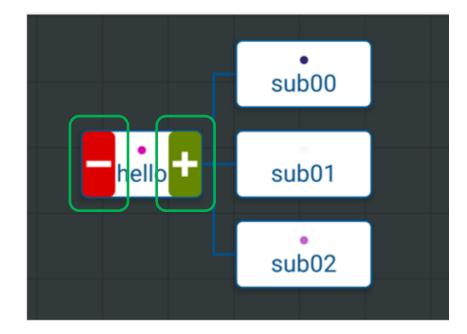
6.2.10.1 Tool Types

- All Tools: The full suite of tools for meetings and educational are available.
- Conference Tools: Conference tools are available.
- Educational Tools: Educational tools are available.



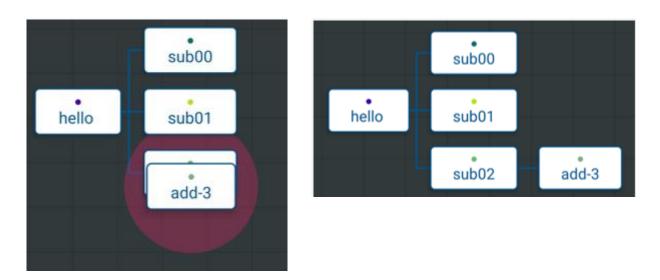
- You can modify the table.

D	Сору	* Copy the generated table.
	Delete	* Delete the generated table.
\ominus	Delete a cell	* Reduce the number of columns in the generated table.
\oplus	Add a column	* Increase the number of columns in the generated table.
<>	Resize	* Resize the columns in the generated table.



2 Tools - Mind

- Create a mind map.
- The default is Main 1, Sub 3.
- You can change the contents of a map by tapping on it.
- Press +,- to increase or decrease the number of maps.
- You can change the placement of the map by pressing the center circle.



- You can change the placement of a map by dragging it to overlap it with another map.

	helio	
	Cancel OK	
(88 to I 🔍 😣 🕹	
	q'w'e'r't'y'u'i'o'p'	
	asdfghjkl Orzxcvbnm @	
ADCO	Orzxcvbnm⊙ 1123 °, Or trum , ↔	1/1 +
Pen Eraser Select Tag		List Add

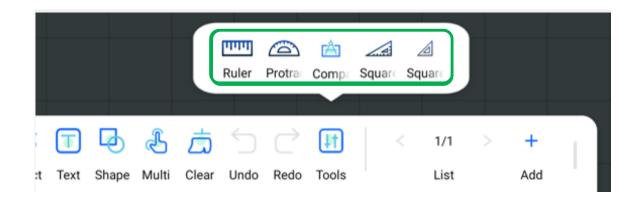
③ Tools - Current page note

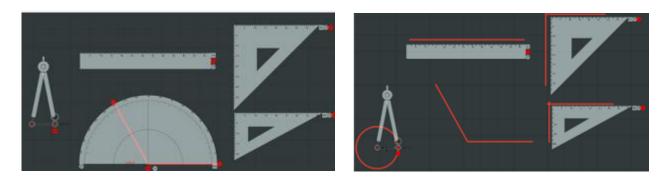
- You can take notes for reference in the whiteboard.
- The keyboard at the bottom of the note allows you to write the contents of the note.
- You can specify the background color of a note by selecting the note's side-specified color.
- This note applies only to the current page and disappears when you switch pages.



④ Tools - All page note

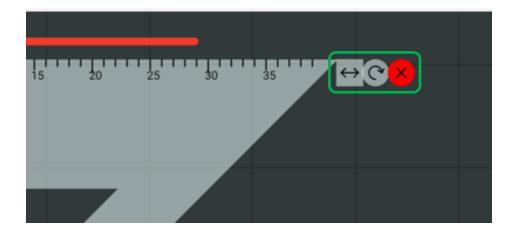
- You can take notes for reference within the whiteboard.
- The keyboard at the bottom of the note allows you to write the contents of the note.
- You can specify the background color of a note by selecting the note's side-specified color.
- This note applies to the entire page and remains in place when you switch pages.





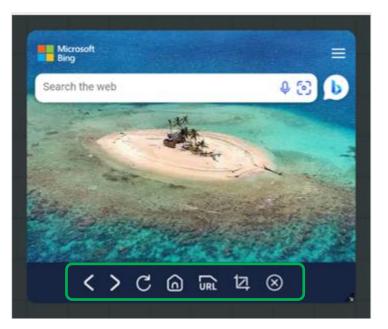
⑤ Tools - Puzzle bag

- You can use any math tool of your choice.





- Resize: 🕶 Tap to resize the tool.
- Rotate: Press to rotate the tool for use.
- Delete:
- You can delete the tool.



(6) Tools - Web browser, picture, video

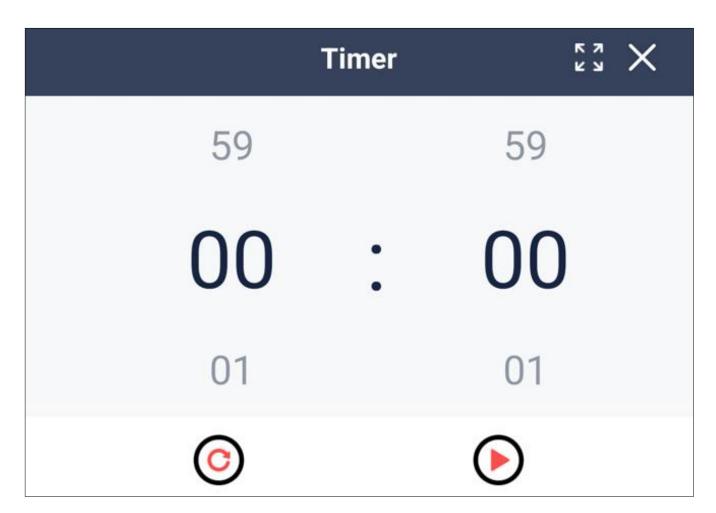
- You can use the web browser search function in the whiteboard.
- In the whiteboard, you can use Web pictures to enable photo-related searches.
- You can use Web video n the whiteboard to search for videos.

<	Back	* Retrieves the previous page.
>	Go forward	* Brings up the following page.
C	Refresh	* Reloads the current page to show the latest content.
(C)	Home	* Brings up the home screen.
URL	URL search	* Brings up the URL search bar.
Ĭ Ţ	Screen Capture	* Captures the browser screen and pops it up.
\otimes	Exit	* Exit the web browser window.

	🅜 🗊 🗗		edo Tools	+ Ade
		Quit	J	

⑦ Tools - Spotlight

- Touch and drag the screen to specify the Spotlight area.
- Press Quit to exit the function.



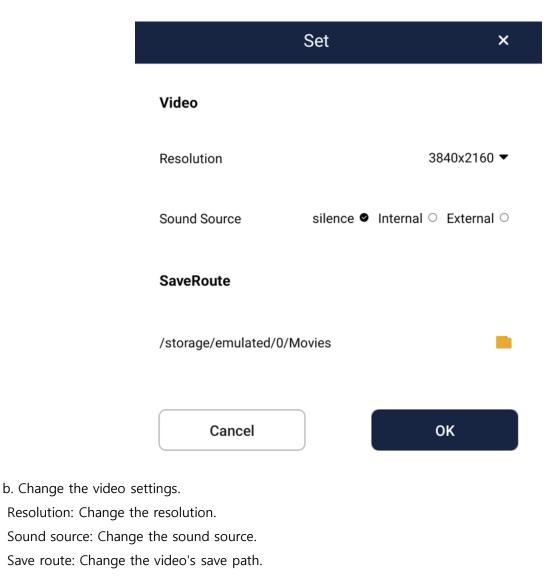
⑧ Tools - Timer

- You can use the stopwatch feature.



(9) Tools - Record screen

- You can record the screen of the whiteboard.
- a. Press the Play button to start recording.



c. Exit the video recording feature.



10 Tools - Split screen

- Screens can be split, and the number of splits can range from 2 to 4.

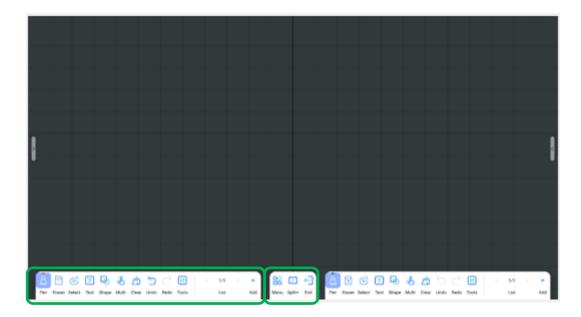


A. Split Screen Individual Features

- _ The Pen, Eraser, and Clear functions are available for each split screen.
- _ Each feature is unmodifiable, unlike the features on the existing screen.



- b. Full Screen Features
 - _ Exit split : Exits the split screen and returns to the original screen.
 - _ Number of Splits: You can adjust the number of splits by selecting from 2 to 4.
 - _ Clear: Clears the contents of all split screens.



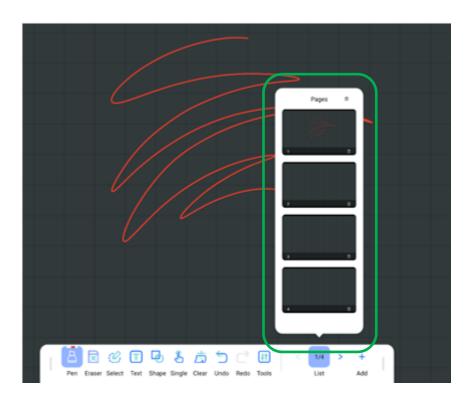
1) Tools - Split+

- Unlike a traditional split screen, you can still use all the features of the main screen after a split screen.



6.2.11 Page management

- You can manage whiteboard pages.



Switching pages

- < Flip to the previous page.
- > Turn to the next page.
- After pressing 'List', you can tap any page in the list of pages to bring it up directly.

Add a Page

- Add the number of available pages.
- The default page count is 1/1 page.

Copen	6.3.2
Save	6.3.3
Share by QR	6.3.4
Background	6.3.5
Email	6.3.6
Connect	6.3.7
Annotation	6.3.8
More	6.3.9
(i) About	6.3.10
Image: Menu Exit	

6.3 Side menu

6.3.1 Menu & exit

Menu: Open the Menu window to select and use the desired function.

	Narm Promp	t	
Do you wa	ant to save your before exiting?		
Cancel	No	Yes	

- Exit : Exit the White board app.Cancel: Cancel closing the whiteboard app.No: Exit the app without saving the contents of the whiteboard.Yes : Save the contents of the whiteboard and exit the app.

	3 File			×
Browse By Category	<pre>/storage/emulated/0</pre>			⊞ 4
- All	Name	Size	Modify time	~
B WBF	Alarms	0	2023-08-08	
2 Picture	Android	3	2023-08-08	
C Video	Audiobooks	0	2023-08-08	
	DCIM	0	2023-08-08	
Storage Space	Documents	0	2023-08-08	
Internal share OneDrive	Download	0	2023-08-08	
1 A GoogleDrive	EShareServer	1	2023-08-08	
😵 Dropbox	Movies	1	2023-08-08	
	Music	1	2023-08-08	

- 6.3.2 Open

 File storage list: You can select an available storage to use.
 Categorize file extensions: Show only the selected extensions.
 Back: Flip the page to the previous page.
 Format conversion: Convert the way the files are listed.



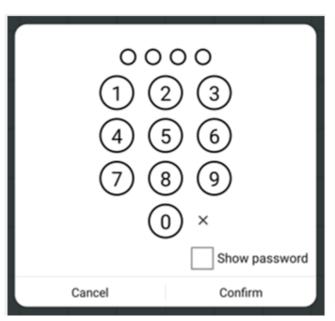
6.3.3 Save

- 1) Name: Display the file name.
- ② Type: Select the extension of your save file.
- ③ Path: Select a storage location for the save file.
- ④ Page : Select a page of the whiteboard to save.
- 5 Save : Click the Save button to save the file.

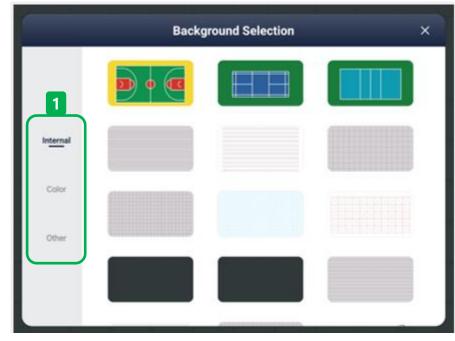


6.3.4 Share by QR

- Share data by scanning a QR code. This feature works when devices are connected to the same network and use the to work.

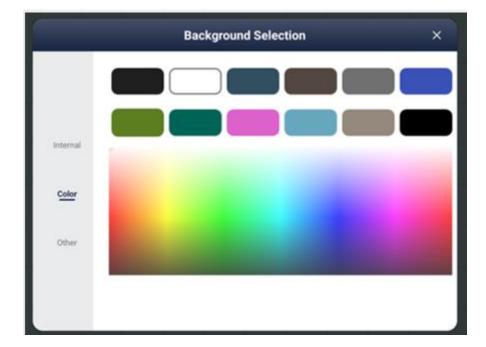


① Encrypt: Enter a total of 4 digits to assign a password to the QR code.



6.3.5 Background

① Internal: You can change the background by selecting from 15 default backgrounds.



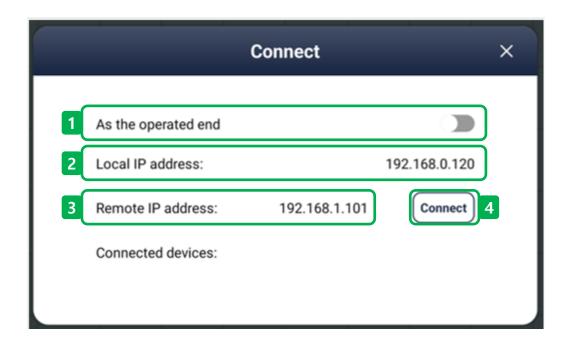
2 Color: You can change the solid color background by freely selecting it from the Color board.

		2 Email X
	From	Nickname Authorization 🕜 🖉 🖺
6	То	
7	Subject	Whiteboard record
8	Content	Written content from the Whiteboard.
9	Attach	file-2023-08-09.pdf
		Confirm

6.3.6 Email

- (1) Sender email address
- ② Sender Name
- ③ Sender Password
- ④ Schuch "Fussword"
 ④ Save sender/recipient's account information
 ⑤ Select the sender/recipient's account
 ⑥ Recipient email address
 ⑦ Edit the email subject

- 8 Edit email content
- (9) Send Date
- (10) Send an email



6.3.7 Connect

- ① As the operated end : Configure both whiteboards to the same network environment to share the whiteboard's screen.
- ② Local IP address: Indicates the network IP address of the current product.
- ③ Remote IP address: Indicates the network address of the blackboard to be connected.
- $\textcircled{\sc 0}$ Connect: Connect the two boards.

GOGIE	

6.3.8 Annotation

- Users can hide or expand the Toolbar by pressing the left main icon.
- Users can change the position of the icon by dragging the left main icon.



6.3.8.1 Pen-Annotation

- Users can freely change the type, thickness, color, etc. of the pen.

① Pen type

- There are three types of pens: fountain pens, brush pens, and marker pens.

1 Pen type

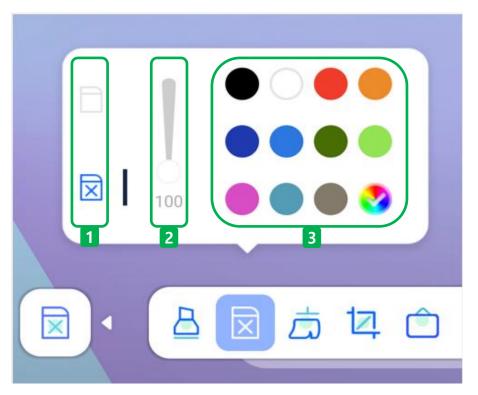
- There are three types of pens: fountain pens, brush pens, and marker pens.

② Pen's set by thickness recognition

- A total of 3 types of Pens can be used at the same time for each touch recognition thickness.
- S(Small Finger) : 2.8mm, B(Big finger) : 6.5mm, F(Stylish big finger) : 10mm
- Users can adjust the boldness by Pen's recognition, and can adjust it from 1 to 30.
- Users can freely specify the color on the color board according to Pen's perception.

③ Recognition function

- Automatically recognize the shape of the handwriting written in Pen and convert it into shapes or text. (Choose one of the two and use it: Shape regeneration or Text regeneration..)



6.3.8.2 Eraser-Annotation

- Users can freely change the type, size, and color of the eraser.

1 Eraser type



<Default>

ab

<select>





- There are three types of Eraser: basic, select and gesture.

- Basic: It is an eraser with adjustable size, and you can freely specify and use it from 100~350.

② Resize the eraser

- It can be used by adjusting the size of the eraser, from 100 to 350. (This function works only in the default eraser..)

③ Select an eraser color

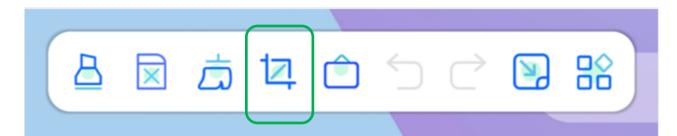
- Specifies the color of the object that users want to erase so that the eraser function works only for the specified color.
- This color allows the eraser function to work in all colors.

(This feature works only in the selection eraser..)



6.3.8.3 Clear-Annotation

- Erases all content on the screen at once.



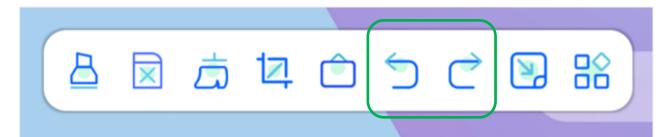
6.3.8.4 Screen shot-Annotation

- Capture the current screen.



6.3.8.5 White board connection-Annotation

- Immediately launch the White Board window.



6.3.8.6 Undo & Redo-Annotation

- Undo : Cancel the most recent touch.
- Redo : Recover the most recent touch..



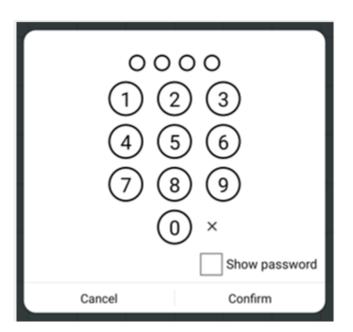
① Save-Annotation

- a. Name : Displays the file name.
- b. Type : Select the extension for the save file.
- c. Path : Select the storage for the save file.
- d. Page : Select the content of the Annotation to save.
- e. Save : Press the Save button to save the file.



② Share-Annotation

- Scan the QR code to share data. This function must be connected to the same network between devices.



a. Encrypt : Enter a total of 4 digits to give a password to the QR code.

	Email ×
From	Nickname Authorization 7 S
То	d e
Subject	Annotation record
Content	Written content from the Annotation.
Attach	file-2023-08-09.pdf

③ Email-Annotation

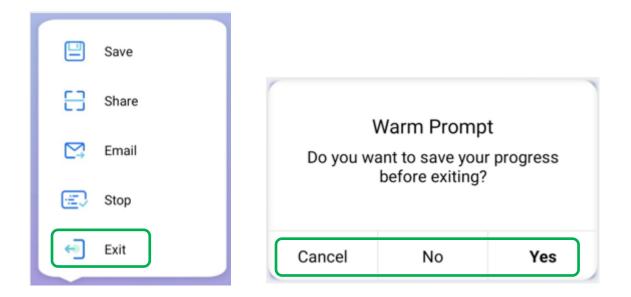
- a. Sender -Email Address
- b. Sender Name
- c. Sender -Password
- d. Save account information of sender/recipient
- e. Select account of the sender/recipient f. Recipient -Email Address g. Email title modification

- h. Email content modification
- I. Sent date
- J. Send a email.



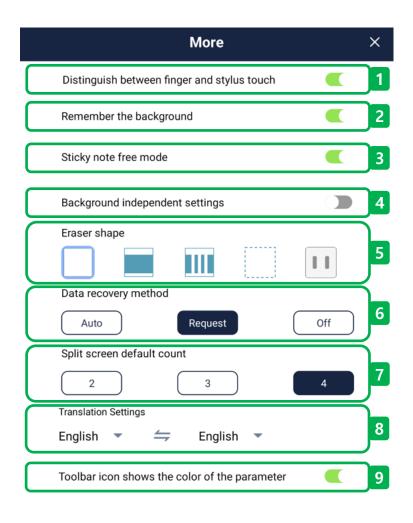
④ Background stop-Annotation

- a. Static Status: Background Screen changes to dynamic state when clicking on the button. b. Dynamic status: Background screen is changed to static state when clicking on the button.



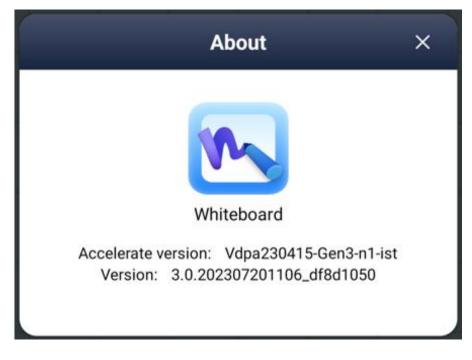
(5) Exit-Annotation

- Cancel : Cancel the exit of the White board app.
 No : Exit the app without saving the content of the White Board.
 Yes : Exit the app with saving the content of the White Board.



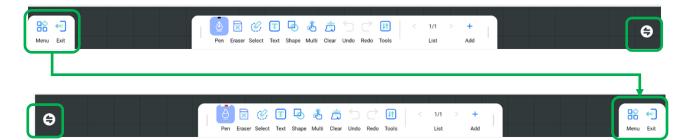
6.3.9 More function

- ① On/off the pen type function according to the pen thickness recognition.
- ② On/off the function to keep the wallpaper the same as before the shutdown when running the Whiteboard app again after exiting.
- ③ On/off the function that allows the entire page notes to move freely.
- ④ On/off the function that allows to set the wallpaper differently for each page.
- (5) Change the appearance of Eraser.
- ⑥ On/off the function to recover the contents of the Whiteboard app when it is forced to shut down.
- ⑦ Specifies the default number of split screens when using the Split screen feature.
- (8) Set the first translation language when using the Text translation feature.
- (9) On/off the function that shows the current color status of the toolbar icon.



6.3.10 About

- Check the latest version information of the Whiteboard App.



6.4 Side menu bar swap

- Change the location of Side Menu Bar by pressing the SWAP button.

7. Side toolbar

	02:30 PN Wednesday, Aug 16,2023		
G O Google	G	Play Store	Ľ

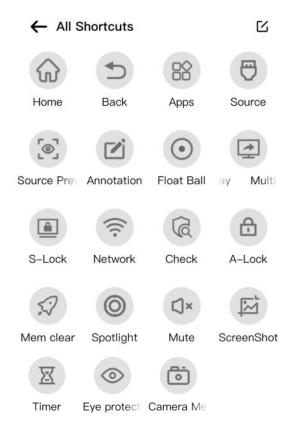
Side toolbar

- By using the function of the side toolbar, users can use the device more easily and quickly.

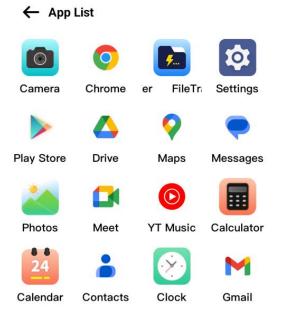


7.1 Shortcuts

- By registering frequently used features within the device, users can quickly operate the functions.
- Up to 8 can be registered on the main screen, and can change the registration function by pressing the button.

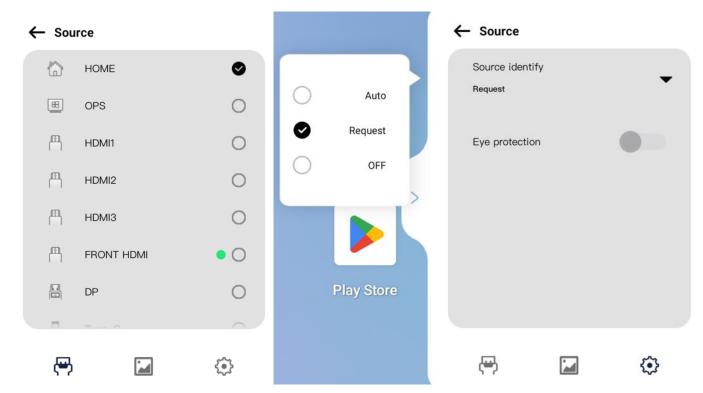


- (1) \bigcirc Home : Go to the main home screen.
- ② Sack : Go to the previous screen.



...

③ 😰 Apps : Shows the apps on the device.

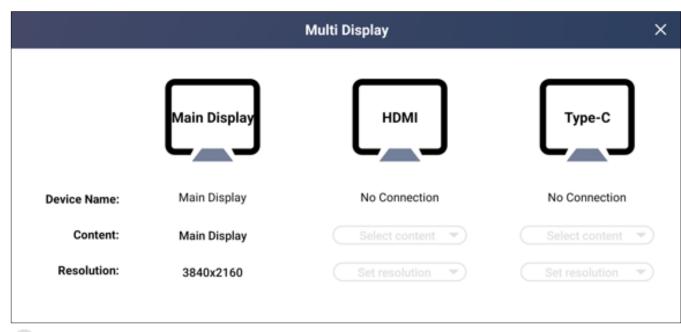


④ (Source : Shows the source that the device is connected to or can be connected to
 - Touch (icon to set the transition method upon source recognition, and to set eye protection.

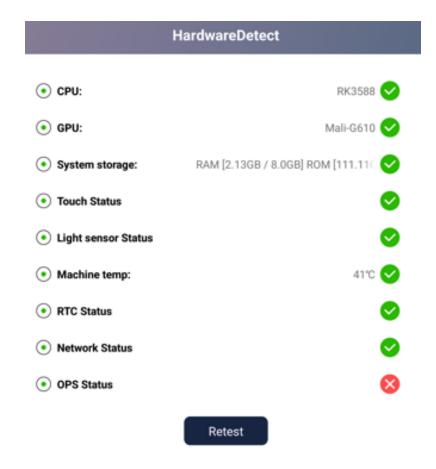
- (5) Source preview : Users can view the connected screen first before switching the screen of the connected source.
- 6 Z Annotation : Regardless of the current screen status of the device, users can write on the screen.



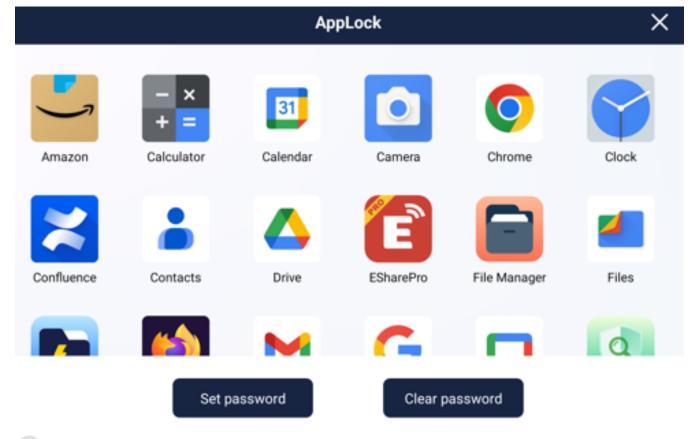
⑦ • Float ball : Even when the screen is switched, users can use the frequently used buttons separately.



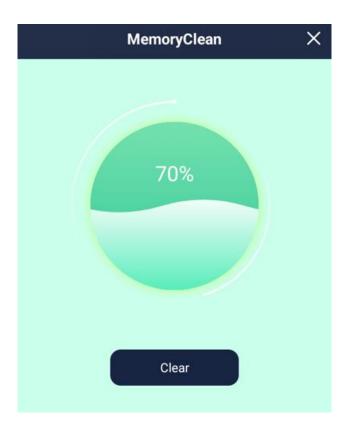
- ⑧ 🛃 Multi display : Check data such as the connection status and resolution of multiple display sources.
- Image S-Lock : Lock the screen by assigning a password to the current screen.
- 10 🛜 Network : Check the connection status by opening a network window.



(1) (a) Check : Check the current hardware status in the current device.

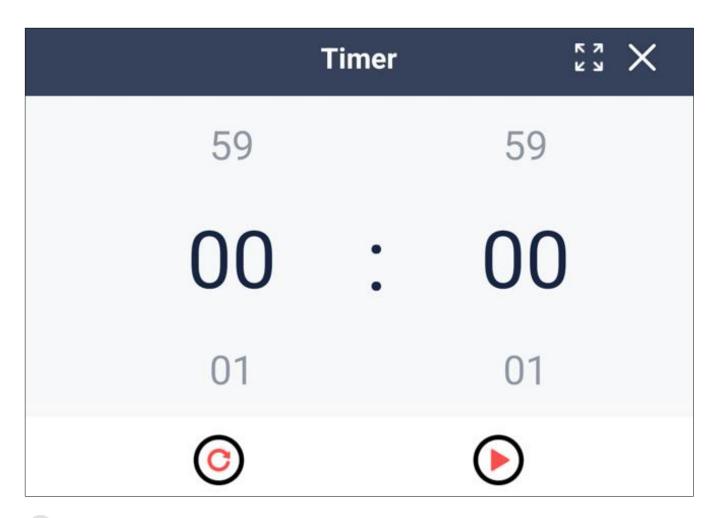


1 1 A-Lock : Lock by giving passwords to apps in the device.



(3) 🐼 Mem clear : Check the current memory status and delete unnecessary data.

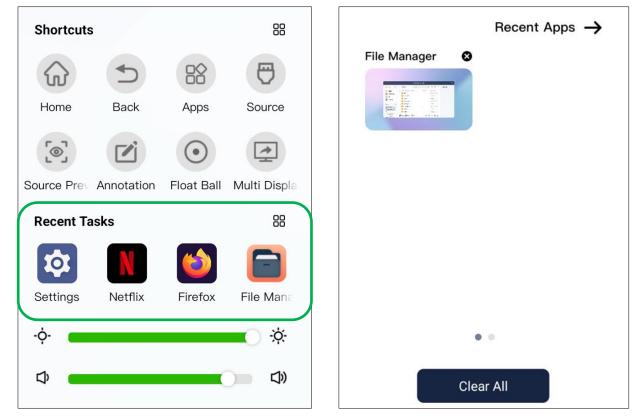
- (1) (1) Spotlight : Darken the rest of the area except for the specified area.
- (I) Mute : Change the sound of the device to 0.
- 16 🖾 Screen shot : Capture the screen by specifying the part of the current screen.



- ⑦ ☑ Timer : Use a stopwatch.
- 18 O Eye protection : Operates the blue light blocking function.

VOICE MUTE	VOICE TRACKING	AUTO FRAME	ЕСНО

- (19) (10) Camera menu : Use the video conference feature of the camera app more conveniently.
 - Voice mute : Block the array microphone function.
 - Voice tracking : Recognizes the voice within the camera range and zooms in on the speaker.
 - Auto frame : Recognize people within the camera range and expand to the maximum range.
 - Echo : Improves sound quality through noise reduction.



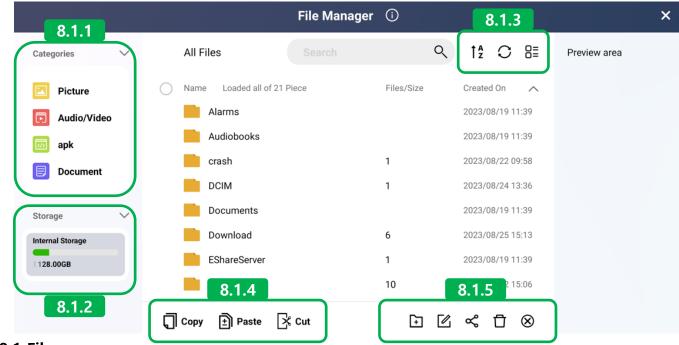
- Shows recently used apps.
- BP Press the icon to check the currently running app and exit the running app.



7.3 Brightness & volume control

- Adjust the brightness and volume of the device at the bottom of the side menu

8. Etc app



8.1 File manager

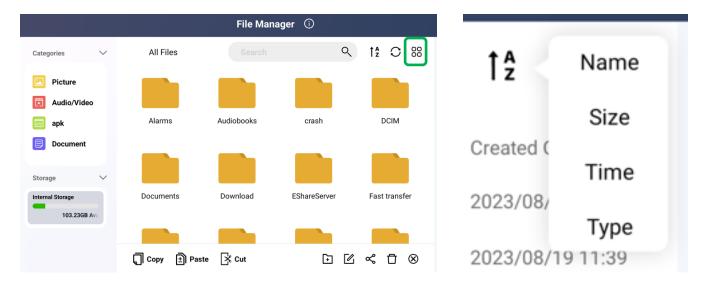
- Manage storage files on the device.

8.1.1 Categories

- Shows the file by selecting the extension users want.

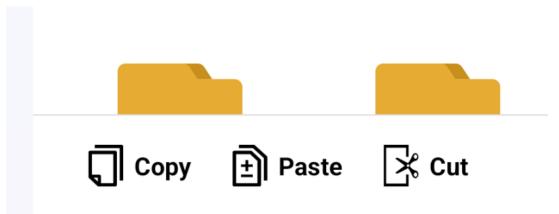
8.1.2 Storage

- Shows the default and additional detected storage for the device.



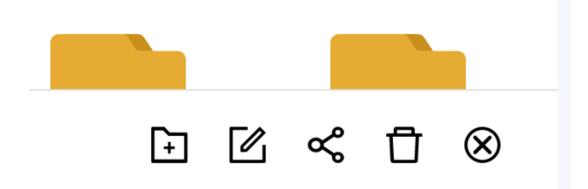
8.1.3 File 보기

- BP Press the button to enlarge the file icon or arrange the contents for a more detailed view.



8.1.4 File copy

- Copy : Copy the selected file.
- Paste : Put the copied file in another folder or another storage.
- Cut : Cut the selected file and place it in a different folder or in a different store. (Files disappear from existing storage)



8.1.5 File copy

- New Folder: Creates a new file.
- Edit filename: Select a file or folder to edit its name.
- Share: Share the selected file by Bluetooth or email.
- Delete: Delete the selected file or folder.
- Cancel: Cancels a selection, copy, etc. on a file.

8.2 File Transfer

- Files from external devices can be quickly transferred to the inside of this device.



8.2.1 QR code Scan

- Scan the QR Code with an external device and upload multiple files from the external device immediately.

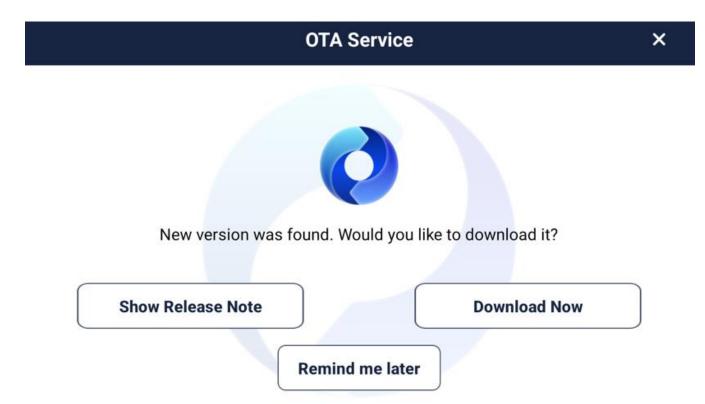
	FileTra	ansfer		() X
	Received Files (1/1)			Select All (1)
Amplification Scan to Upload Files	IMG_4641_169318 9699301.jpeg			
	🕁 Insert Whiteboard	Copy 🖱 s	Save 🗍 Delete	⊗ Cancel

8.2.2 Managing uploaded files

- Insert Whiteboard : Immediately float the file on the whiteboard.
- Copy: Copy the uploaded file.
- Save : Save the uploaded file. (It will be saved in the File manager -> Fast transfer folder).
- Delete: Delete the uploaded file.
- Cancel: Cancels the file selection.

8.3 OTA Service

- Firmware upgrades can be done by the user.



8.3.1 Upgrade notifications

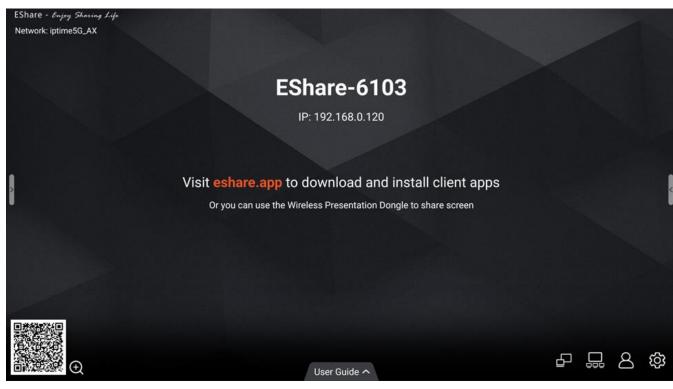
- When the upper version of the firmware is released, the upgrade progress notification will be displayed automatically.
- Show release note : Shows the modification history of the firmware.
- Download now : Upgrade the firmware.
- Remind me later : Upgrades can be postponed, and users can proceed with upgrades manually at a later time.

UIAS	Service
Current Ver	rsion: V1.1.1

×

8.3.2 Manual upgrade

- Network upgrade : Proceed with the firmware upgrade while connected to the network.
- Local upgrade : Upgrade directly to the USB firmware file instead of the OTA service.



E-Share

- Share the screen and voice through mirroring with external devices with the E-Share app.

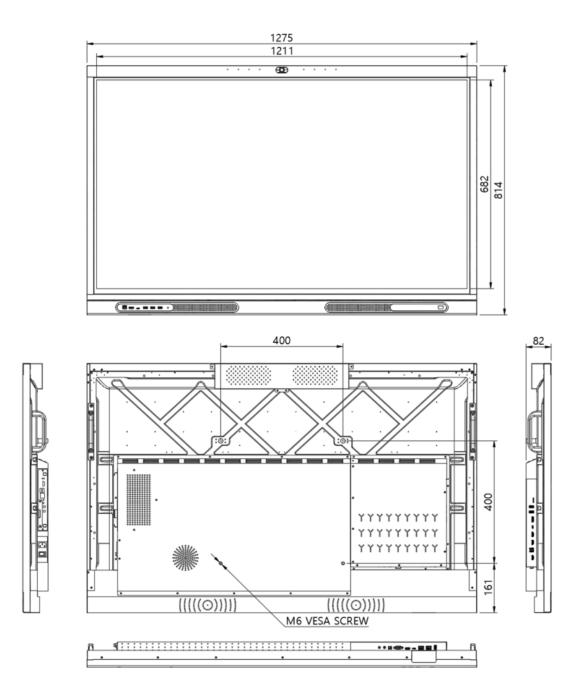
2:35	al 🗢 🚳	2:35	al S
B Device Lis	t	ESh	are
Enter IP or PIN code to connect	> C	Connected to : EShare-6103	
Share-6103 12.168.0.120			
		Or use AltPla	Share Screen y Mirroring >
			TV Mirror
L Scan		Prozo	c Camera

8.4.1 How to connect

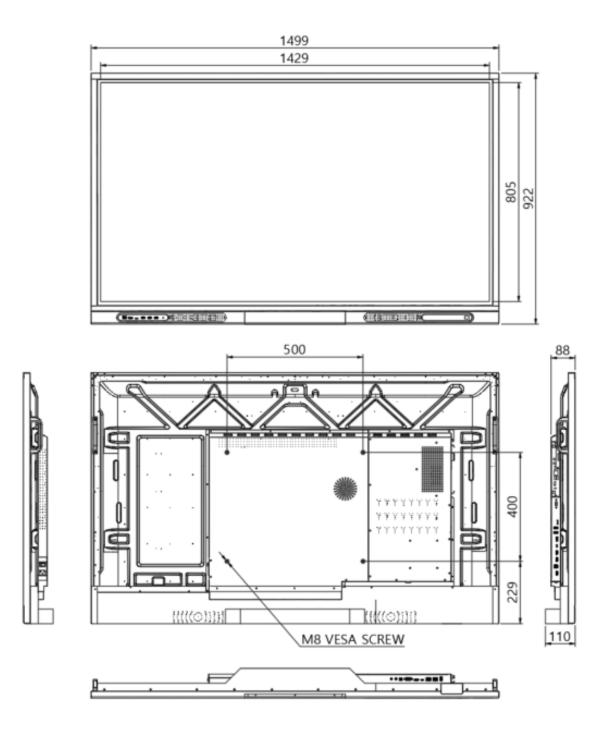
- Connect this device and external device with the same network. (External devices also have to run E-Share app)
- Share screen : Display the screen of the external device on this device.
- TV Mirror : Display the screen of this device on an external device.

9. Product dimension

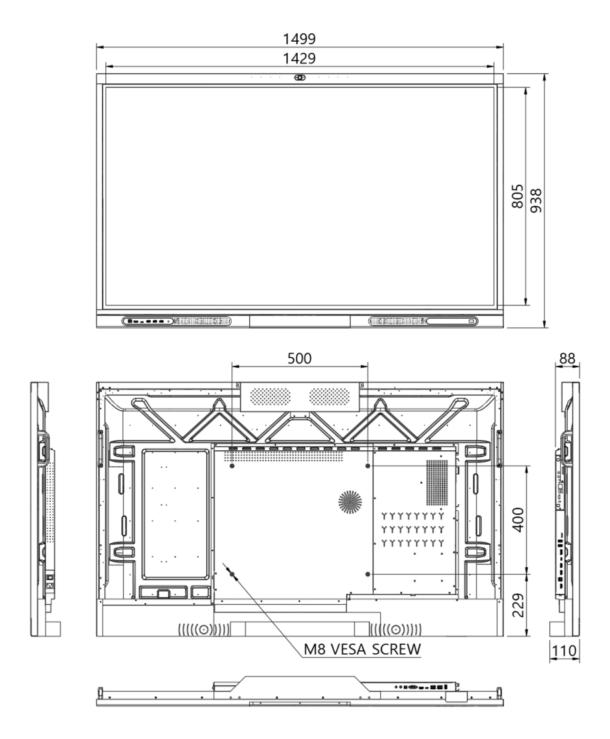
9.1 55inch (Built-in camera specifications)



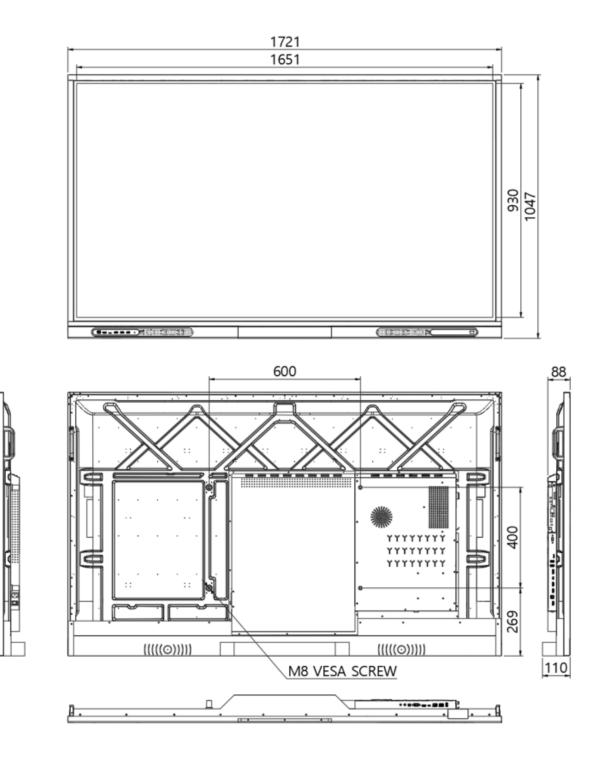
9.2.1 65inch



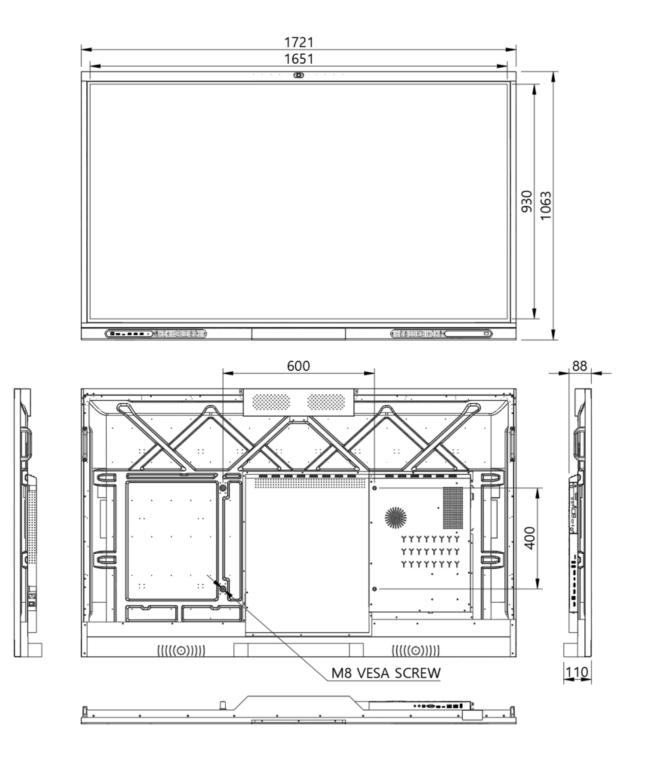
9.2.2 65inch (Built-in camera specifications)



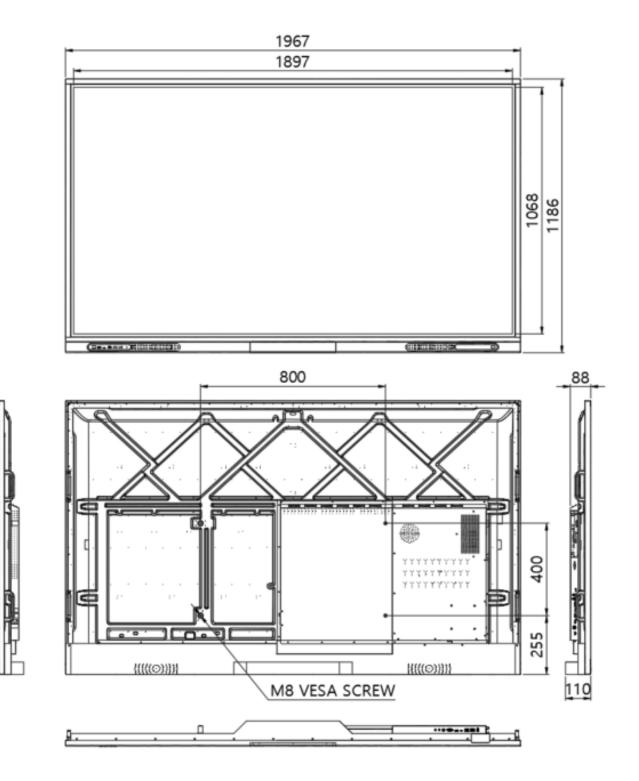
9.3.1 75inch



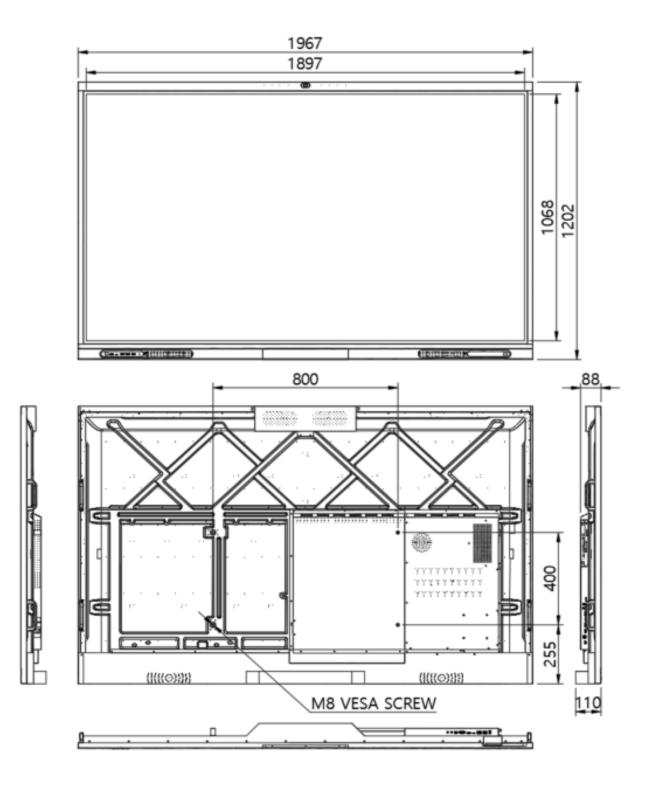
9.3.2 75inch (Built-in camera specifications)



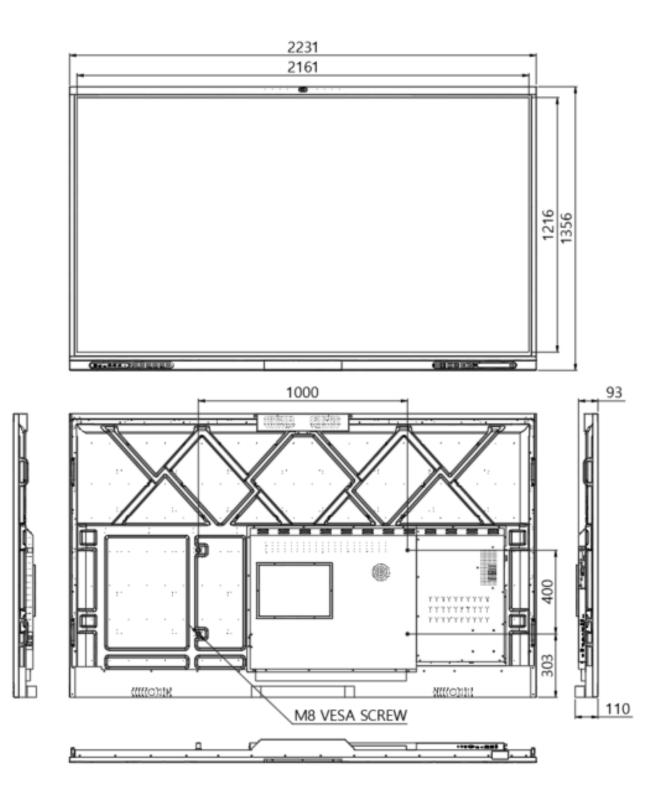
9.4.1 86inch



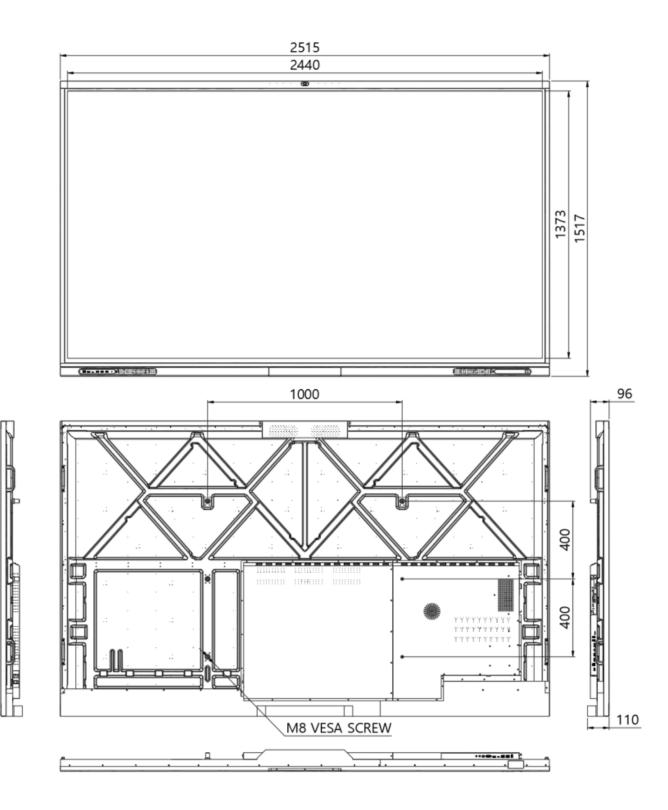
9.4.2 86inch (Built-in camera specifications)



9.5 98inch (Built-in camera specifications)



9.6 110inch (Built-in camera specifications)



10. Product specification

10.1 55inch (Built-in camera specifications)

Panel	
Display	55 inch
Resolution	3840×2160
Brightness	410cd/㎡ (Typ.)
Contrast	1300:1 (Typ.)
Glass	3T / Etching + Anti Bacterial / Optical Bonding

Touch System	
Touch Technology	IR (USIR-Ultra Slim Infrared Ray)
Touch Point	Max 40 Point (Windows, Android)
	1 Point (Mac, Linux, Chrome OS Single Point Support)
Response Speed	<3.3 ms (1 Point By Point)
Accuracy	± 0.5 mm
Operating System	Windows 10 more/ Android / Mac / Linux / Chrome

Android System	
Android Version	Android 13.0
CPU	(A76 x 4) + (A55 x Quad-4)
RAM	8GB or 16GB
ROM	128GB or 256GB

Built-in Camera And Microphone	
Image Sensor	CMOS, 1/2.5 inch
Resolution	3840x2160@30fps
lens Viewing Angle	120°
Array Microphone	8 Channels, Echo Cancellation, Noise Reduction, Voice Location Tracking
Camera Function	WDR, Auto Framing, Noise Reduction

I/O Port	
Front (Input)	USB-B(Touch) x 1, HDMI 2.0 x 1, USB-C(DP Alt Mode) x 1, USB-A(3.0) x 3
Rear (Input & Output)	USB-A(2.0) x 1, USB-A(3.0) x 2, USB-B(Touch) x 1, USB-C(DP Alt Mode) x 1
	HDMI 1.4B x 1, HDMI 2.0 x 2, DP x 1, MIC x 1, SD Card x 1
	HDMI Out × 1, Line Out x 1, S/PDIF x 1, USB-C(DP Alt Mode) Out x 1
Communication Port	RS232 x 1, LAN x 2, NFC x 1

Power	
Rated Voltage	AC 100-240V 50/60 Hz
Maximum Power	≤ 200W (TBD.)
Standby Power	≤ 0.5W

Other	
Speaker Output	2.1 Channel - 16W × 2, 20W x 1 (Sub Woofer Speaker)
Dimension (WxHxD)	1275(W) x 814(H) x 82(D) mm
VESA Mount	400 x 400 (mm), M6 Screw
Net Weight	37 Kg (TBD.)
Gross Weight	44Kg (TBD.)

10.2.1 65inch

Panel	
Display	65 inch
Resolution	3840×2160
Brightness	410cd/㎡ (Typ.)
Contrast	1100:1 (Тур.)
Glass	3T / Etching + Anti Bacterial / Optical Bonding

Touch System	
Touch Technology	IR (USIR-Ultra Slim Infrared Ray)
Touch Point	Max 40 Point (Windows, Android)
	1 Point (Mac, Linux, Chrome OS Single Point Support)
Response Speed	<3.3 ms (1 Point By Point)
Accuracy	± 0.5 mm
Operating System	Windows 10 more/ Android / Mac / Linux / Chrome

Android System	
Android Version	Android 13.0
CPU	(A76 x 4) + (A55 x Quad-4)
RAM	8GB or 16GB
ROM	128GB or 256GB

I/O Port	
Front (Input)	USB-B(Touch) x 1, HDMI 2.0 x 1, USB-C(DP Alt Mode) x 1, USB-A(3.0) x 3
Rear (Input & Output)	USB-A(2.0) x 1, USB-A(3.0) x 2, USB-B(Touch) x 1, USB-C(DP Alt Mode) x 1
	HDMI 1.4B x 1, HDMI 2.0 x 2, DP x 1, MIC x 1, SD Card x 1
	HDMI Out × 1, Line Out x 1, S/PDIF x 1, USB-C(DP Alt Mode) Out x 1
Communication Port	RS232 x 1, LAN x 2, NFC x 1

Power	
Rated Voltage	AC 100-240V 50/60 Hz
Maximum Power	≤ 280W
Standby Power	≤ 0.5W

Other	
Speaker Output	2.1 Channel - 16W × 2, 20W x 1 (Sub Woofer Speaker)
Dimension (WxHxD)	1499(W) x 938(H) x 110(D) mm
VESA Mount	500 x 400 (mm), M8 Screw
Net Weight	40 Kg
Gross Weight	47 Kg

10.2.2 65inch (Built-in camera specifications)

Panel	
Display	65 inch
Resolution	3840×2160
Brightness	410cd/n² (Typ.)
Contrast	1100:1 (Typ.)
Glass	3T / Etching + Anti Bacterial / Optical Bonding

Touch System	
Touch Technology	IR (USIR-Ultra Slim Infrared Ray)
Touch Point	Max 40 Point (Windows, Android)
	1 Point (Mac, Linux, Chrome OS Single Point Support)
Response Speed	<3.3 ms (1 Point By Point)
Accuracy	± 0.5 mm
Operating System	Windows 10 more/ Android / Mac / Linux / Chrome

Android System	
Android Version	Android 13.0
CPU	(A76 x 4) + (A55 x Quad-4)
RAM	8GB or 16GB
ROM	128GB or 256GB

Built-in Camera And Microphone	
Image Sensor	CMOS, 1/2.5 inch
Resolution	3840x2160@30fps
lens Viewing Angle	120°
Array Microphone	8 Channels, Echo Cancellation, Noise Reduction, Voice Location Tracking
Camera Function	WDR, Auto Framing, Noise Reduction

I/O Port	
Front (Input)	USB-B(Touch) x 1, HDMI 2.0 x 1, USB-C(DP Alt Mode) x 1, USB-A(3.0) x 3
Rear (Input & Output)	USB-A(2.0) x 1, USB-A(3.0) x 2, USB-B(Touch) x 1, USB-C(DP Alt Mode) x 1
	HDMI 1.4B x 1, HDMI 2.0 x 2, DP x 1, MIC x 1, SD Card x 1
	HDMI Out × 1, Line Out x 1, S/PDIF x 1, USB-C(DP Alt Mode) Out x 1
Communication Port	RS232 x 1, LAN x 2, NFC x 1

Power	
Rated Voltage	AC 100-240V 50/60 Hz
Maximum Power	≤ 280W
Standby Power	≤ 0.5W

Other	
Speaker Output	2.1 Channel - 16W × 2, 20W x 1 (Sub Woofer Speaker)
Dimension (WxHxD)	1499(W) x 938(H) x 110(D) mm
VESA Mount	500 x 400 (mm), M8 Screw
Net Weight	40 Kg
Gross Weight	47 Kg

10.3.1 75inch

Panel	
Display	75 inch
Resolution	3840×2160
Brightness	410cd/㎡ (Typ.)
Contrast	1100:1 (Тур.)
Glass	3T / Etching + Anti Bacterial / Optical Bonding

Touch System	
Touch Technology	IR (USIR-Ultra Slim Infrared Ray)
Touch Point	Max 40 Point (Windows, Android)
	1 Point (Mac, Linux, Chrome OS Single Point Support)
Response Speed	<3.3 ms (1 Point By Point)
Accuracy	± 0.5 mm
Operating System	Windows 10 more/ Android / Mac / Linux / Chrome

Android System	
Android Version	Android 13.0
CPU	(A76 x 4) + (A55 x Quad-4)
RAM	8GB or 16GB
ROM	128GB or 256GB

I/O Port	
Front (Input)	USB-B(Touch) x 1, HDMI 2.0 x 1, USB-C(DP Alt Mode) x 1, USB-A(3.0) x 3
Rear (Input & Output)	USB-A(2.0) x 1, USB-A(3.0) x 2, USB-B(Touch) x 1, USB-C(DP Alt Mode) x 1
	HDMI 1.4B x 1, HDMI 2.0 x 2, DP x 1, MIC x 1, SD Card x 1
	HDMI Out × 1, Line Out x 1, S/PDIF x 1, USB-C(DP Alt Mode) Out x 1
Communication Port	RS232 x 1, LAN x 2, NFC x 1

Power	
Rated Voltage	AC 100-240V 50/60 Hz
Maximum Power	≤ 330W
Standby Power	≤ 0.5W

Other	
Speaker Output	2.1 Channel - 16W × 2, 20W x 1 (Sub Woofer Speaker)
Dimension (WxHxD)	1721(W) x 1063(H) x 110(D) mm
VESA Mount	600 x 400 (mm), M8 Screw
Net Weight	54 Kg
Gross Weight	62 Kg

10.3.2 75inch (Built-in camera specifications)

Panel	
Display	75 inch
Resolution	3840×2160
Brightness	410cd/n² (Typ.)
Contrast	1100:1 (Typ.)
Glass	3T / Etching + Anti Bacterial / Optical Bonding

Touch System	
Touch Technology	IR (USIR-Ultra Slim Infrared Ray)
Touch Point	Max 40 Point (Windows, Android)
	1 Point (Mac, Linux, Chrome OS Single Point Support)
Response Speed	<3.3 ms (1 Point By Point)
Accuracy	± 0.5 mm
Operating System	Windows 10 more/ Android / Mac / Linux / Chrome

Android System	
Android Version	Android 13.0
CPU	(A76 x 4) + (A55 x Quad-4)
RAM	8GB or 16GB
ROM	128GB or 256GB

Built-in Camera And Microphone	
Image Sensor	CMOS, 1/2.5 inch
Resolution	3840x2160@30fps
lens Viewing Angle	120°
Array Microphone	8 Channels, Echo Cancellation, Noise Reduction, Voice Location Tracking
Camera Function	WDR, Auto Framing, Noise Reduction

I/O Port	
Front (Input)	USB-B(Touch) x 1, HDMI 2.0 x 1, USB-C(DP Alt Mode) x 1, USB-A(3.0) x 3
Rear (Input & Output)	USB-A(2.0) x 1, USB-A(3.0) x 2, USB-B(Touch) x 1, USB-C(DP Alt Mode) x 1
	HDMI 1.4B x 1, HDMI 2.0 x 2, DP x 1, MIC x 1, SD Card x 1
	HDMI Out × 1, Line Out x 1, S/PDIF x 1, USB-C(DP Alt Mode) Out x 1
Communication Port	RS232 x 1, LAN x 2, NFC x 1

Power	
Rated Voltage	AC 100-240V 50/60 Hz
Maximum Power	≤ 330W
Standby Power	≤ 0.5W

Other	
Speaker Output	2.1 Channel - 16W × 2, 20W x 1 (Sub Woofer Speaker)
Dimension (WxHxD)	1721(W) x 1063(H) x 110(D) mm
VESA Mount	600 x 400 (mm), M8 Screw
Net Weight	54 Kg
Gross Weight	62 Kg

10.4.1 86inch

Panel	
Display	86 inch
Resolution	3840×2160
Brightness	410cd/㎡ (Typ.)
Contrast	1200:1 (Typ.)
Glass	3T / Etching + Anti Bacterial / Optical Bonding

Touch System	
Touch Technology	IR (USIR-Ultra Slim Infrared Ray)
Touch Point	Max 40 Point (Windows, Android)
	1 Point (Mac, Linux, Chrome OS Single Point Support)
Response Speed	<3.3 ms (1 Point By Point)
Accuracy	± 0.5 mm
Operating System	Windows 10 more/ Android / Mac / Linux / Chrome

Android System	
Android Version	Android 13.0
CPU	(A76 x 4) + (A55 x Quad-4)
RAM	8GB or 16GB
ROM	128GB or 256GB

I/O Port	
Front (Input)	USB-B(Touch) x 1, HDMI 2.0 x 1, USB-C(DP Alt Mode) x 1, USB-A(3.0) x 3
Rear (Input & Output)	USB-A(2.0) x 1, USB-A(3.0) x 2, USB-B(Touch) x 1, USB-C(DP Alt Mode) x 1
	HDMI 1.4B x 1, HDMI 2.0 x 2, DP x 1, MIC x 1, SD Card x 1
	HDMI Out × 1, Line Out x 1, S/PDIF x 1, USB-C(DP Alt Mode) Out x 1
Communication Port	RS232 x 1, LAN x 2, NFC x 1

Power	
Rated Voltage	AC 100-240V 50/60 Hz
Maximum Power	≤ 440W
Standby Power	≤ 0.5W

Other	
Speaker Output	2.1 Channel - 16W × 2, 20W x 1 (Sub Woofer Speaker)
Dimension (WxHxD)	1967(W) x 1202(H) x 110(D) mm
VESA Mount	800 x 400 (mm), M8 Screw
Net Weight	67 Kg
Gross Weight	77 Kg

10.4.2 86inch (Built-in camera specifications)

Panel	
Display	86 inch
Resolution	3840×2160
Brightness	410cd/㎡ (Typ.)
Contrast	1200:1 (Typ.)
Glass	3T / Etching + Anti Bacterial / Optical Bonding

Touch System	
Touch Technology	IR (USIR-Ultra Slim Infrared Ray)
Touch Point	Max 40 Point (Windows, Android)
	1 Point (Mac, Linux, Chrome OS Single Point Support)
Response Speed	<3.3 ms (1 Point By Point)
Accuracy	± 0.5 mm
Operating System	Windows 10 more/ Android / Mac / Linux / Chrome

Android System	
Android Version	Android 13.0
CPU	(A76 x 4) + (A55 x Quad-4)
RAM	8GB or 16GB
ROM	128GB or 256GB

Built-in Camera And Microphone	
Image Sensor	CMOS, 1/2.5 inch
Resolution	3840x2160@30fps
lens Viewing Angle	120°
Array Microphone	8 Channels, Echo Cancellation, Noise Reduction, Voice Location Tracking
Camera Function	WDR, Auto Framing, Noise Reduction

I/O Port	
Front (Input)	USB-B(Touch) x 1, HDMI 2.0 x 1, USB-C(DP Alt Mode) x 1, USB-A(3.0) x 3
Rear (Input & Output)	USB-A(2.0) x 1, USB-A(3.0) x 2, USB-B(Touch) x 1, USB-C(DP Alt Mode) x 1
	HDMI 1.4B x 1, HDMI 2.0 x 2, DP x 1, MIC x 1, SD Card x 1
	HDMI Out × 1, Line Out x 1, S/PDIF x 1, USB-C(DP Alt Mode) Out x 1
Communication Port	RS232 x 1, LAN x 2, NFC x 1

Power	
Rated Voltage	AC 100-240V 50/60 Hz
Maximum Power	≤ 440W
Standby Power	≤ 0.5W

Other	
Speaker Output	2.1 Channel - 16W × 2, 20W x 1 (Sub Woofer Speaker)
Dimension (WxHxD)	1967(W) x 1202(H) x 110(D) mm
VESA Mount	800 x 400 (mm), M8 Screw
Net Weight	67 Kg
Gross Weight	77 Kg

10.5 98inch (Built-in camera specifications)

Panel	
Display	98 inch
Resolution	3840×2160
Brightness	410cd/n² (Typ.)
Contrast	1200:1 (Typ.)
Glass	3T / Etching + Anti Bacterial / Optical Bonding

Touch System	
Touch Technology	IR (USIR-Ultra Slim Infrared Ray)
Touch Point	Max 40 Point (Windows, Android)
	1 Point (Mac, Linux, Chrome OS Single Point Support)
Response Speed	<3.3 ms (1 Point By Point)
Accuracy	± 0.5 mm
Operating System	Windows 10 more/ Android / Mac / Linux / Chrome

Android System	
Android Version	Android 13.0
CPU	(A76 x 4) + (A55 x Quad-4)
RAM	8GB or 16GB
ROM	128GB or 256GB

Built-in Camera And Microphone	
Image Sensor	CMOS, 1/2.5 inch
Resolution	3840x2160@30fps
lens Viewing Angle	120°
Array Microphone	8 Channels, Echo Cancellation, Noise Reduction, Voice Location Tracking
Camera Function	WDR, Auto Framing, Noise Reduction

I/O Port	
Front (Input)	USB-B(Touch) x 1, HDMI 2.0 x 1, USB-C(DP Alt Mode) x 1, USB-A(3.0) x 3
Rear (Input & Output)	USB-A(2.0) x 1, USB-A(3.0) x 2, USB-B(Touch) x 1, USB-C(DP Alt Mode) x 1
	HDMI 1.4B x 1, HDMI 2.0 x 2, DP x 1, MIC x 1, SD Card x 1
	HDMI Out × 1, Line Out x 1, S/PDIF x 1, USB-C(DP Alt Mode) Out x 1
Communication Port	RS232 x 1, LAN x 2, NFC x 1

Power	
Rated Voltage	AC 100-240V 50/60 Hz
Maximum Power	≤ 550W (TBD.)
Standby Power	≤ 0.5W

Other	
Speaker Output	2.1 Channel - 16W × 2, 20W x 1 (Sub Woofer Speaker)
Dimension (WxHxD)	2231(W) x 1356(H) x 110(D) mm
VESA Mount	1000 x 400 (mm), M8 Screw
Net Weight	85 Kg (TBD.)
Gross Weight	98 Kg (TBD.)

10.6 110inch (Built-in camera specifications)

Panel	
Display	110 inch
Resolution	3840×2160
Brightness	410cd/㎡ (Typ.)
Contrast	1200:1 (Typ.)
Glass	3T / Etching + Anti Bacterial / Optical Bonding

Touch System	
Touch Technology	IR (USIR-Ultra Slim Infrared Ray)
Touch Point	Max 40 Point (Windows, Android)
	1 Point (Mac, Linux, Chrome OS Single Point Support)
Response Speed	<3.3 ms (1 Point By Point)
Accuracy	± 0.5 mm
Operating System	Windows 10 more/ Android / Mac / Linux / Chrome

Android System	
Android Version	Android 13.0
CPU	(A76 x 4) + (A55 x Quad-4)
RAM	8GB or 16GB
ROM	128GB or 256GB

Built-in Camera And Microphone	
Image Sensor	CMOS, 1/2.5 inch
Resolution	3840x2160@30fps
lens Viewing Angle	120°
Array Microphone	8 Channels, Echo Cancellation, Noise Reduction, Voice Location Tracking
Camera Function	WDR, Auto Framing, Noise Reduction

I/O Port	
Front (Input)	USB-B(Touch) x 1, HDMI 2.0 x 1, USB-C(DP Alt Mode) x 1, USB-A(3.0) x 3
Rear (Input & Output)	USB-A(2.0) x 1, USB-A(3.0) x 2, USB-B(Touch) x 1, USB-C(DP Alt Mode) x 1
	HDMI 1.4B x 1, HDMI 2.0 x 2, DP x 1, MIC x 1, SD Card x 1
	HDMI Out × 1, Line Out x 1, S/PDIF x 1, USB-C(DP Alt Mode) Out x 1
Communication Port	RS232 x 1, LAN x 2, NFC x 1

Power	
Rated Voltage	AC 100-240V 50/60 Hz
Maximum Power	≤ 600W (TBD.)
Standby Power	≤ 0.5W

Other	
Speaker Output	2.1 Channel - 16W × 2, 20W x 1 (Sub Woofer Speaker)
Dimension (WxHxD)	2515(W) x 1517(H) x 110(D) mm
VESA Mount	1000 x 800 (mm), M8 Screw
Net Weight	120 Kg (TBD.)
Gross Weight	135 Kg (TBD.)

11. Troubleshooting

11.1 Product self-diagnosis

- You can check if the product is working properly using the self-diagnosis function.
- If a blank screen is displayed and the Power LED blinks even if the product and the PC are properly connected, perform the self-diagnosis function according to the procedures below.
- 1) Turn the product and the PC off.
- ② Remove the cable from the product.
- ③ Turn the product on.
- ④ If the product is working properly, the < Check Signal Cable > message appears. In this case, if a blank screen is displayed again, make sure that there is no problem with the PC and the connector.

11.2 Before requesting service

- Please check the following before requesting After-Sales service. If the problem continues, please contact your nearest Service Center.

11.2.1 Problems related to screen

- ① Screen is blank and power indicator is off.
 - Ensure that the power cord is firmly connected and the monitor is on.
- ② <Video media error format unsupported> Message.
 - Check the maximum resolution and the frequency of the video adapter.
 - Compare these values with the data in the Standard Signal Mode Table.
- ③ Picture rolls vertically.
 - Check if the signal cable is securely connected. Connect it again securely.
- ④ Image is not clear. Picture is blurred.
 - Run frequency<Coarse> and <Fine> tuning.
 - Turn on again after removing all accessories(video extension cable, etc.)
 - Set resolution and frequency to the recommended ranges.
- ⑤ The image is too light or too dark.
 - Adjust the <Brightness>and<Contrast>.

11.2.2 Problems related to audio

- 1 No sound
 - Ensure that the audio cable is firmly connected to both the audio-in port on your monitor and the audio-out port on your sound card.
- ② The sound level is too low.
 - Check the volume level. If the volume is still too low after turning the control to its maximum. Check the volume control on the computer sound card or software program.

11.2.3 Problems related to remote controller

- ① The remote controller buttons do not respond.
 - Check the battery polarities(+/-).
 - Check if the batteries have been exhausted.
 - Check if the power is blackout.
 - Check if the power cord is securely connected.
 - Check if a special fluorescent or neon lamp is on in the vicinity.

12. Customer support and AS guide

12.1 Before requesting A/S

① If the product is not operating normally, refer to the diagnostic trouble listed in the front.

12.2 A/S cost

- ① Our warranty period is two years. (Panel is one year)
- (2) The cost incurred during A/S will be determined according to the A/S price criteria for each item under our by-laws, and please contact us for the exact repair cost.
- ③ Even within the warranty period, if there is a mistake in use, shipping and after-sales fees will be charged.