

PHILIPS

Interactive Display

3000 Series

10BDL5051T



User Manual (English)

Warranty policy for Philips Professional Display Solutions	44
Index.....	46

Table Of Contents

1. Safety Instructions	1
2. Unpacking and Installation.....	7
2.1. Package Contents.....	7
2.2. Installation	8
2.2.1. Connecting the power cable	8
2.2.2. Connecting the network cable	8
2.2.3. Inserting the Micro SD card.....	8
2.2.4. Mounting and installation	9
3. Physical view and features	11
3.1. Left View	11
3.2. Input/Output Terminals.....	12
4. Operation	13
4.1. Setup wizard	13
4.1.1. Welcome	13
4.1.2. Date & Time	13
4.1.3. Clone Media Files into internal	13
4.1.4. Signage Display Settings.....	14
4.1.5. Security Setting.....	14
4.1.6. Network Setting	14
4.1.7. Setup Complete	15
4.2. Android Launcher	16
4.2.1. Android PD launcher.....	16
4.2.2. Admin mode.....	16
4.3. Setting UI	18
4.3.1. Network & Internet	18
4.3.2. Connected devices	20
4.3.3. Signage Display.....	20
4.3.4. Apps	33
4.3.5. Sound.....	33
4.3.6. Display	33
4.3.7. Accessibility.....	36
4.3.8. Security.....	36
4.3.9. System.....	36
4.3.10. About.....	38
5. Appendix	40
5.1. Advanced features.....	40
5.2. File manager app.....	40
6. Cleaning and Troubleshooting	42
6.1. Cleaning	42
6.2. Troubleshooting	42
7. Technical Data.....	43
7.1. Specifications.....	43
7.2. Disclaimer	43

1. Safety Instructions

Safety precautions and maintenance

This electronic user guide is intended for anyone who uses the Philips monitor. Take time to read this user manual before you use your monitor. It contains important information and notes regarding operating your monitor. The Philips guarantee applies provided the product is handled properly for its intended use, in accordance with its operating instructions and upon presentation of the original invoice or cash receipt, indicating the date of purchase, dealers name and model and production number of the product.



WARNING: Use of controls, adjustments or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards and/or mechanical hazards.

Read and follow these instructions when connecting and using your display:

Operation:

- Keep the display out of direct sunlight and away from stoves or any other heat sources.
- Remove any object that could fall into ventilation holes or prevent proper cooling of the display's electronics.
- Do not block the ventilation holes on the cabinet.
- When positioning the display, make sure the power plug and outlet are easily accessible.
- When turning off the display by detaching the power cord or DC power cord, wait 6 seconds before re-attaching the power cord or DC power cord for normal operation.
- Ensure the use of an approved power cord provided by Philips at all times. If your power cord is missing, please contact your local service center.
- Do not subject the display to severe vibration or high impact conditions during operation.
- Do not knock or drop the display during operation or transportation.

Maintenance:

- To protect your display from possible damage, do not put excessive pressure on the LCD panel. When moving your display, grasp the frame to lift; do not lift the display by placing your hand or fingers on the LCD panel.
- Unplug the display if you are not going to use it for an extensive period of time.
- Unplug the display if you need to clean it with a slightly damp cloth. The screen may be wiped with a dry cloth when the power is off. However, never use organic solvent, such as, alcohol, or ammonia-based liquids to clean your display.
- To avoid the risk of shock or permanent damage to the set, do not expose the display to dust, rain, water or an excessively moist environment.
- If your display becomes wet, wipe it with dry cloth as soon as possible.
- If a foreign substance or water gets in your display, turn the power off immediately and disconnect the power cord. Then remove the foreign substance or water, and send the unit to the maintenance center.
- Do not store or use the display in locations exposed to heat, direct sunlight or extreme cold.
- In order to maintain the best performance of your display and ensure a longer lifetime, we strongly recommend using the display in a location that falls within the following temperature and humidity ranges.
 - Temperature: 0-40°C 32-104°F
 - Humidity: 10-85% RH

IMPORTANT: Always activate a moving screen saver program when you leave your display unattended. Always activate a periodic screen refresh application if the unit will display unchanging static content. Uninterrupted display of still or static images over an extended period may cause "burn in", also known as "after-imaging" or "ghost imaging", on your screen. This is a well-known phenomenon in LCD panel technology. In most cases, the "burned in" or "after-imaging" or "ghost imaging" will disappear gradually over a period of time after the power has been switched off.

WARNING: Severe "burn-in" or "after-image" or "ghost image" symptoms will not disappear and cannot be repaired. This is also not covered under the terms of your warranty.

Service:

- The casing cover should be opened only by qualified service personnel.
- If there is any need for repair or integration, please contact your local service center.
- Do not leave your display under direct sunlight.



If your display does not operate normally, having followed the instructions set out in this document, please contact a technician or your local service center.

Read and follow these instructions when connecting and using your display:

- Unplug the display if you are not going to use it for an extensive period of time.
- Unplug the display if you need to clean it with a slightly damp cloth. The screen may be wiped with a dry cloth when the power is off. However, never use alcohol, solvents or ammonia-based liquids.
- Consult a service technician if the display does not operate normally when you have followed the instructions in this manual.
- The casing cover should be opened only by qualified service personnel.
- Keep the display out of direct sunlight and away from stoves or any other heat sources.
- Remove any object that could fall into the vents or prevent proper cooling of the display's electronics.
- Do not block the ventilation holes on the cabinet.
- Keep the display dry. To avoid electric shock, do not expose it to rain or excessive moisture.
- When turning off the display by detaching the power cable or DC power cord, wait for 6 seconds before re-attaching the power cable or DC power cord for normal operation..
- To avoid the risk of shock or permanent damage to the set do not expose the display to rain or excessive moisture.
- When positioning the display, make sure the power plug and outlet are easily accessible.
- This equipment has a connection between the earthed conductor of the d.c. supply circuit and the earthing conductor. See installation instructions.
- **IMPORTANT:** Always activate a screen saver program during your application. If a still image in high contrast remains on the screen for an extended period of time, it may leave an 'after-image' or 'ghost image' on the front of the screen. This is a well-known phenomenon that is caused by the shortcomings inherent in LCD technology. In most cases the afterimage will disappear gradually over a period of time after the power has been switched off. Be aware that the after-image symptom cannot be repaired and is not covered under warranty.

EU Declaration of Conformity/UK Declaration of Conformity

This device complies with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (2014/30/EU), Low-voltage Directive (2014/35/EU), RoHS directive (2011/65/ EU), and Radio Equipment Directive (2014/53/EU) or Radio Equipment Regulations 2017(for UK).

This product has been tested and found to comply with the harmonized standards for Information Technology Equipment, these harmonized standards published under Directives of Official Journal of the European Union.

ESD Warnings

When user close to the monitor may cause the equipment discharge and reboot to the display of main menu.

Warning:

This equipment is compliant with Class A of EN55032/CISPR 32. In a residential environment this equipment may cause radio interference.

Federal Communications Commission (FCC) Notice (U.S. Only)



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



Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Use only an RF shielded cable that was supplied with the display when connecting this display to a computer device.

To prevent damage which may result in fire or shock hazard, do not expose this appliance to rain or excessive moisture.

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

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

TPV USA Corp
6525 Carnegie Blvd #200
Charlotte, NC 28211
USA

Radiation Exposure Statement:

This equipment complies with FCC/CE-RED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

The suitable temperature for the Color Monitor and accessories is 0°C-40°C.

The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Adaptor with ferrite must be used with this equipment to ensure compliance with the Class A FCC limits.

Power Adapter information:

Model : ADS-26SGP-12 12024E

INPUT: 100-240V~ 50/60Hz

Max.0.7A

OUTPUT: 12Vdc 2.0A 24.0W

Waste Electrical and Electronic Equipment-WEEE

Attention users in European Union private households



This marking on the product or on its packaging illustrates that, under European Directive 2012/19/EU governing used electrical and electronic appliances, this product may not be disposed of with normal household waste. You are responsible for disposal of this equipment through a designated waste electrical and electronic equipment collection. To determine the locations for dropping off such waste electrical and electronic, contact your local government office, the waste disposal organization that serves your household or the store at which you purchased the product.

Attention users in United States:

Please dispose of according to all Local, State and Federal Laws. For the disposal or recycling information, contact: www.mygreenelectronics.com or www.eiae.org.

End of Life Directives-Recycling



Your new Public Information Display contains several materials that can be recycled for new users. Please dispose of according to all Local, State, and Federal laws.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.



CAUTION

Risk of explosion if the battery is replaced by an incorrect type
Wait one-half hour after switching off before handling parts

- Replacement of a battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types);
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;

A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

Batteries



For EU: The crossed-out wheeled bin implies that used batteries should not be put to the general household waste! There is a separate collection system for used batteries, to allow proper treatment and recycling in accordance with legislation.

Please contact your local authority for details on the collection and recycling schemes.

For Switzerland: The used battery is to be returned to the selling point.

For other non-EU countries: Please contact your local authority for correct method of disposal of the used battery.

According to EU directive 2006/66/EC, the battery can't be disposed improperly. The battery shall be separated to collect by local service.



Após o uso, as pilhas e/ou baterias deverão ser entregues ao estabelecimento comercial ou rede de assistência técnica autorizada.

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14. Governing law. This Agreement is governed by the laws of the Netherlands, without reference to its conflict of laws principles. This Agreement shall not be governed by the United Nations Convention on Contracts for the International Sale of Goods, the application of which is expressly excluded. Any dispute between you and MMD regarding this Agreement shall be subject to the non-exclusive jurisdiction of the courts of the Netherlands. If for any reason a court of competent jurisdiction finds any provision, or portion thereof, to be unenforceable, the remainder of this Agreement shall continue in full force and effect.

15. General. This Agreement contains the entire agreement between you and MMD and supersedes any prior representation, undertaking or other communication or advertising with respect to the Software and user documentation. If any part of this Agreement is held invalid, the remainder of this Agreement will continue in full force and effect. This Agreement shall not prejudice the statutory rights of any party dealing as a consumer.

2. Unpacking and Installation

Before installing the display

- This product is packed in a carton, together with the standard accessories.
- Any other optional accessories will be packed separately.
- After opening the carton, ensure that the contents are complete and in good condition.

2.1. Package Contents

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

- Colour Display
- Quick Start Guide
- Rubber feet
- DC Power Adapter
- Power Plug



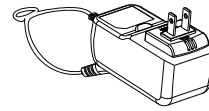
Colour Display



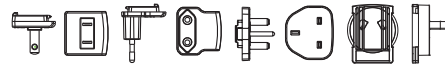
Quick Start Guide



Rubber feet



DC Power Adapter



Power Plug
(Provided by regions)

* Items may differ in different locations

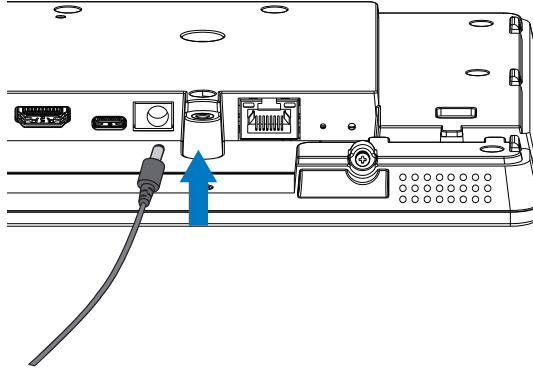
* Display design and accessories may differ from the images shown.

2.2. Installation

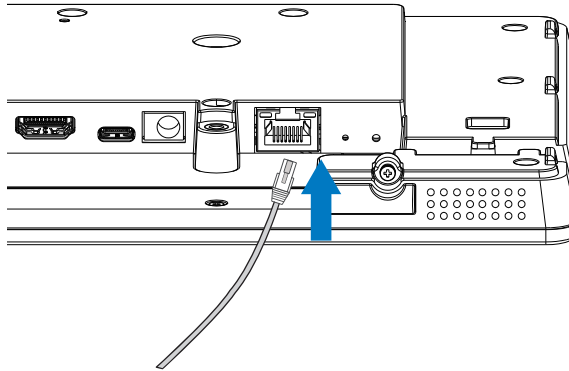
Securing the power and network cable

2.2.1. Connecting the power cable

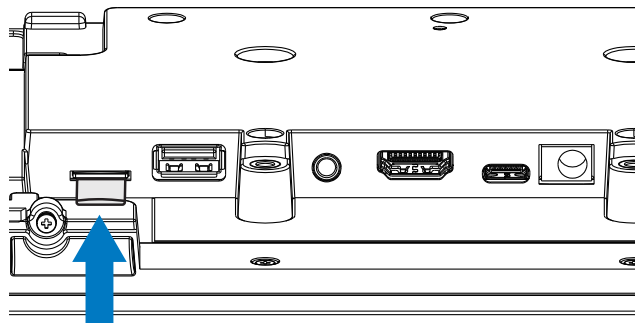
1. Connect the power adapter's connector into the display's power input socket.
2. Insert the matching AC plug fully into the power adapter.
3. Plug the AC plug of your power adapter into an electric outlet to power on the device.



2.2.2. Connecting the network cable



2.2.3. Inserting the Micro SD card



2.2.4. Mounting and installation

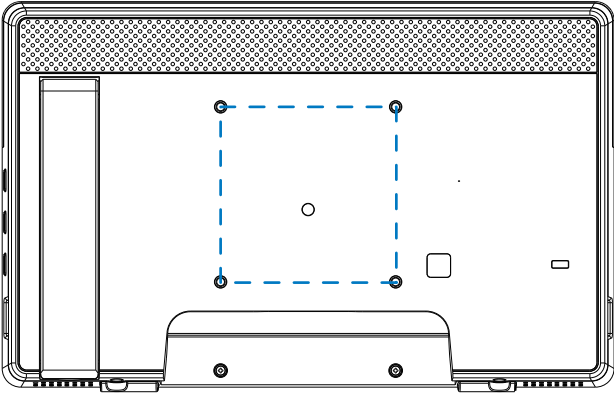
Mounting Option 1: [VESA mount]

Supporting VESA standard: VESA MIS-D75 (75*75mm)

Supporting screw: M4*9mm (exclude the mounting plate thickness)

The equipment and its associated mounting facilities still remain secure during the test. Use only the UL listed VESA mount with a minimum weight/load of the weight of the unit without base.

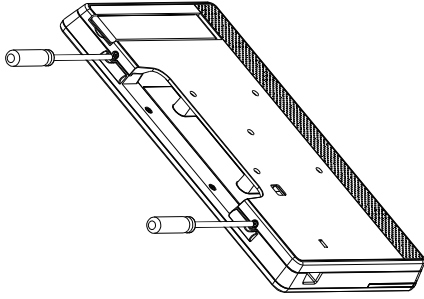
* Installation height: <2 m



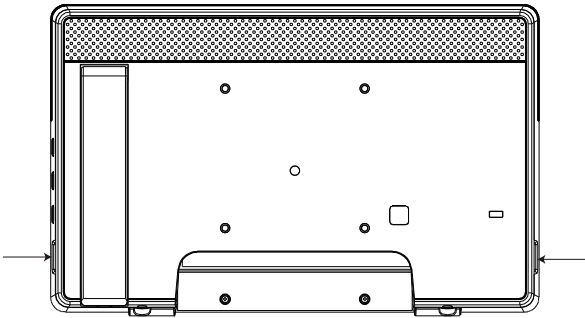
Mounting Option 2: [Using back cover]

Supporting screw: Self-tapping screw*5pcs (exclude the mounting plate thickness)

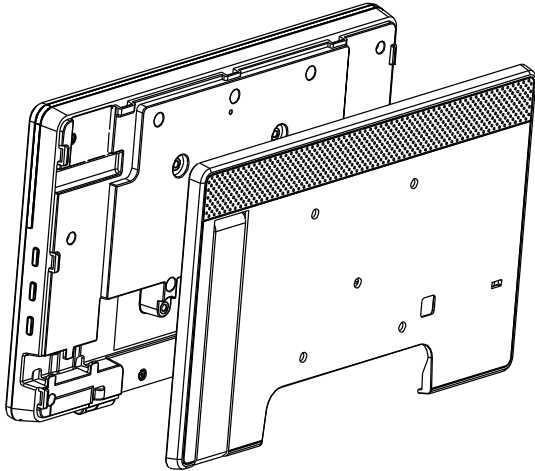
(1). Use a screwdriver to loosen the screw on the back cover.



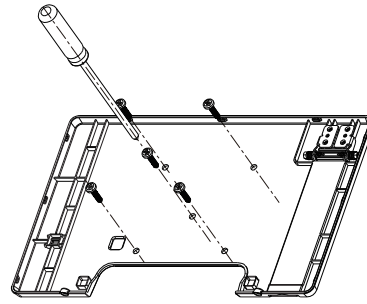
(2). Remove the back shell decoration from the groove indicated by the arrows on both sides of the entire machine.



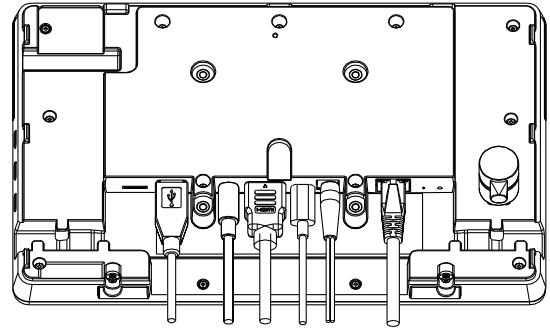
(3). Detach the back cover from the signboard.



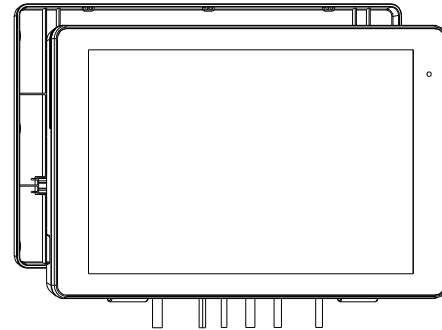
(4). Use screws to secure the back shell trim to the wall.



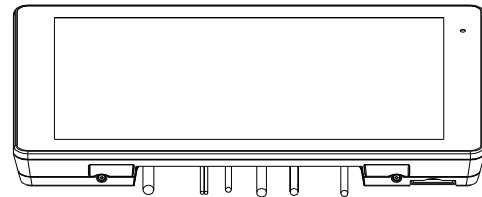
(5). Plug in the cable.



(6). The entire machine is loaded with back shell decorations.

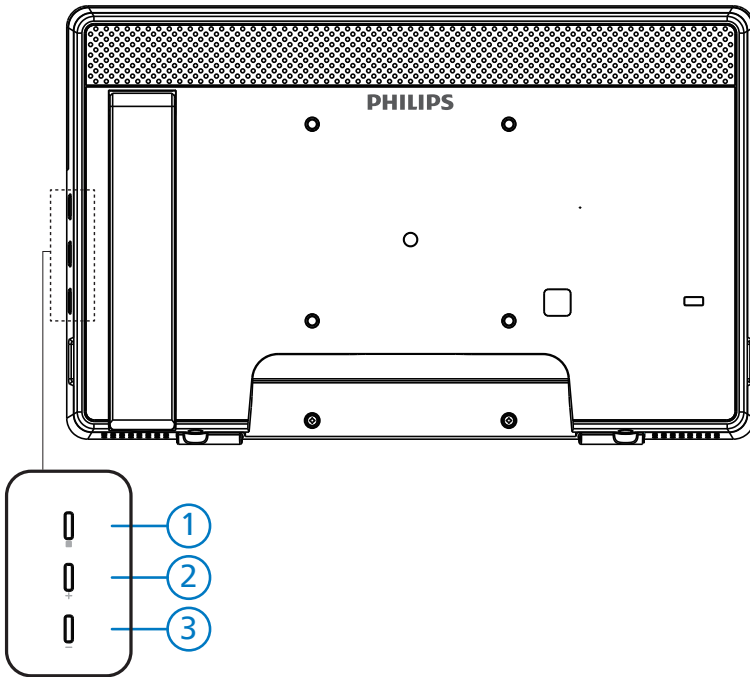


(7). Lock the screws.



3. Physical view and features

3.1. Left View

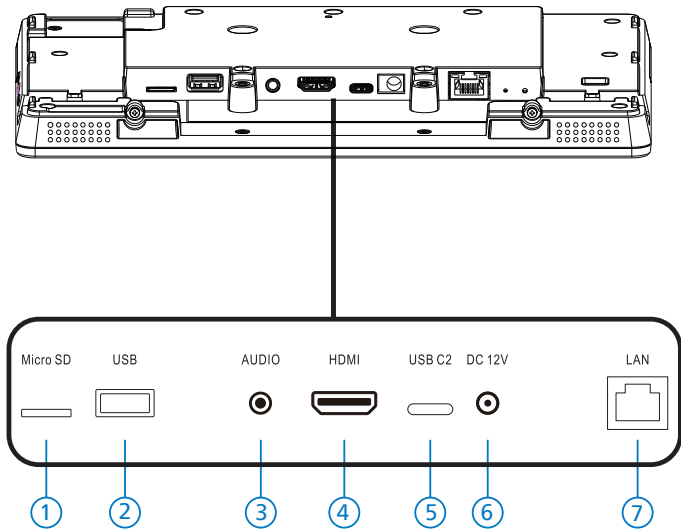


① Menu: To activate the OSD menu.

②/③ Volume +/-: Volume up and down.

Operation	Function
Menu + Volume-	Launch Admin mode app
Menu + Volume+	Launch Quick Information app
Menu + Menu + Volume+ + Volume- + Volume- + Volume+	Enable touch function
Menu + Menu + Volume- + Volume-	Turn on the screen

3.2. Input/Output Terminals



① Micro SD

Insert a Micro SD card.

② Micro USB

Insert a USB storage device.

③ Earphone

Connect to an earphone through this 3.5 mm Ear Jack (CTIA standard).

④ HDMI OUT

HDMI video/audio output.

⑤ USB C2

For adb debugging.

⑥ DC IN

Connect to the DC power adapter.

⑦ LAN

* LAN control function for the use of remote control signal from control center.

* PoE+ (power over Ethernet): 24W

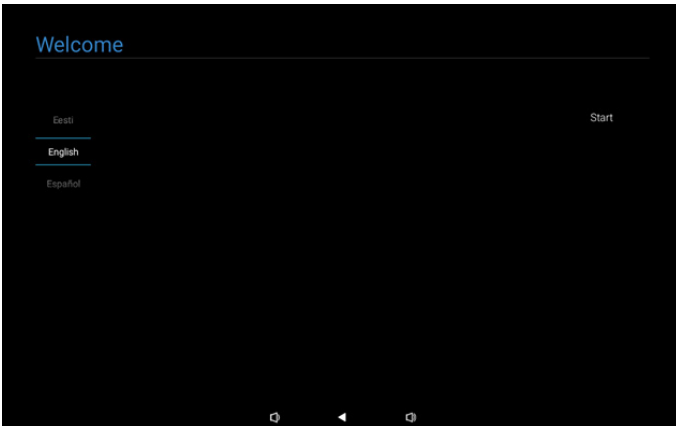
Status	Green	Yellow
NC	OFF	OFF
10Mbps	ON (Flicker)	OFF
100Mbps	ON (Flicker)	ON

4. Operation

4.1. Setup wizard

4.1.1. Welcome

Please select desired language from the “Language List” and start to setup by pressing the Start button.



Note: After entering OOB, the Signage Display Name will be set to the default value: “PD” + Ethernet Mac Address.

(1).Support Language

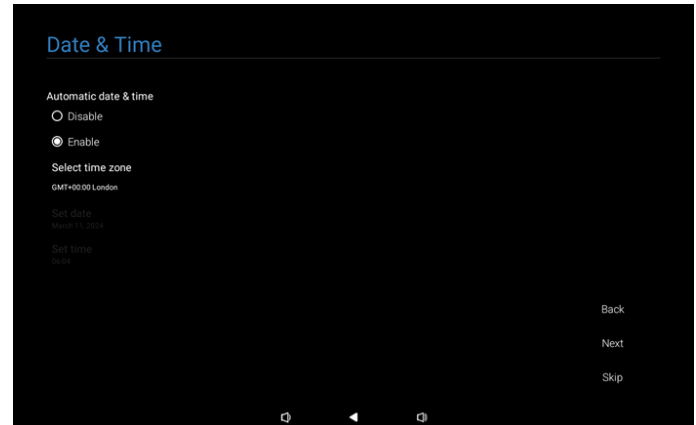
The system supports 22 languages and requires users to set it during the first boot.

English is default-selected language.

No	Support Language	Display String
1	ENGLISH	English
2	SPANISH	Español
3	FRENCH	Français
4	ITALIAN	Italiano
5	LATVIAN	Latviešu
6	LITHUANIAN	Lietuvių
7	DUTCH	Nederlands
8	NORWEGIAN	Norsk bokmål
9	POLSKI	Polski
10	PORTUGUESE	Português
11	FINNISH	Suomi
12	SWEDISH	Svenska
13	TURKISH	Türkçe
14	RUSSIAN	Русский
15	ARABIC	ةببرعلا
16	SIMPLIFIED CHINESE	简体中文
17	TRADITIONAL CHINESE	繁體中文
18	JAPANESE	日本語
19	CZECH	Čeština
20	DANISH	Dansk
21	GERMAN	Deutsch
22	ESTONIAN	Eesti

4.1.2. Date & Time

To enable or disable automatic time synchronization and select a time zone.



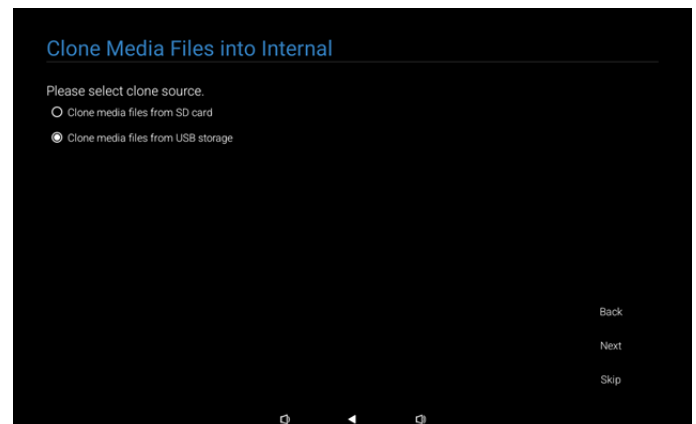
4.1.3. Clone Media Files into internal

Clone media files from the selected source storage to target storage.

System clone files under the following list of folder:

- (1) philips/photo
- (2) philips/music
- (3) philips/video
- (4) philips/pdf
- (5) philips/browser

Note: The action of cloning media files will occur on the Setup Complete page and will commence after pressing the Finish button.

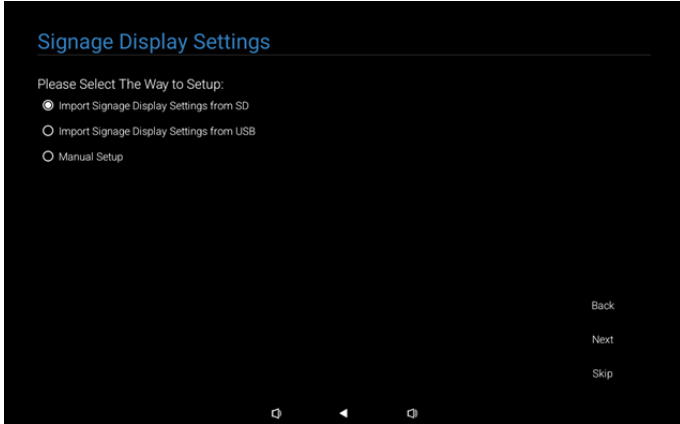


4.1.4. Signage Display Settings

Users can choose to import data or manually configure settings.

If you prefer not to set up this item, you can skip it using the Skip button.

Note: The import action will occur on the Setup Complete page and will commence after pressing the Finish button.



(1). Import Signage Settings from SD / USB

Import data from "philips/clone/10BDL5051T-clone.7z" located in SD card or USB. The import action will be executed when leaving OOB.

After selecting the "Next" button, you will enter the Setup Complete page.

(2). Manual Setup

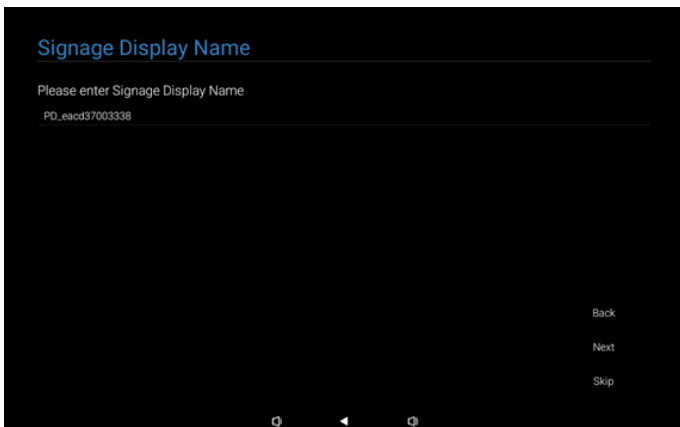
In the manual setup section, the currently required settings are:

- (1) Signage Display Name
- (2) Remote Control

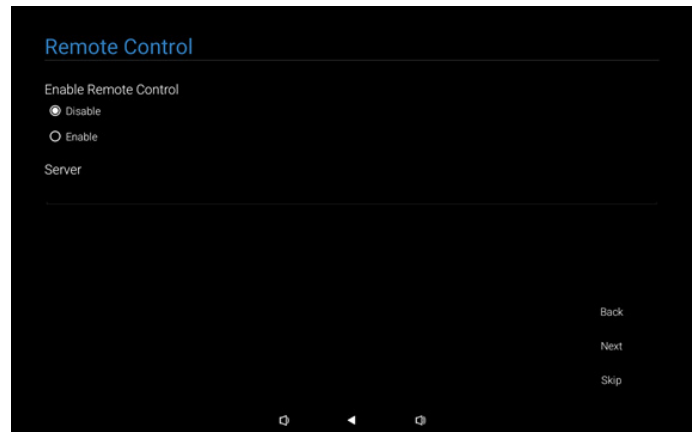
Note: After pressing the "Finish" button on the Setup Complete page, the settings will be saved.

Once the setup is complete, there is no need to reboot.

(1). Signage Display Name

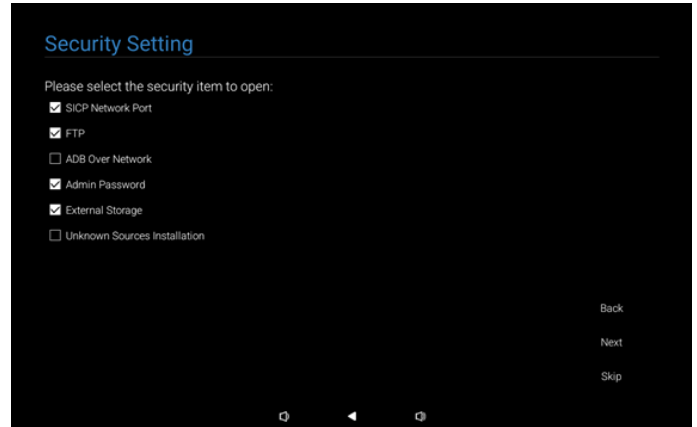


(2). Remote Control



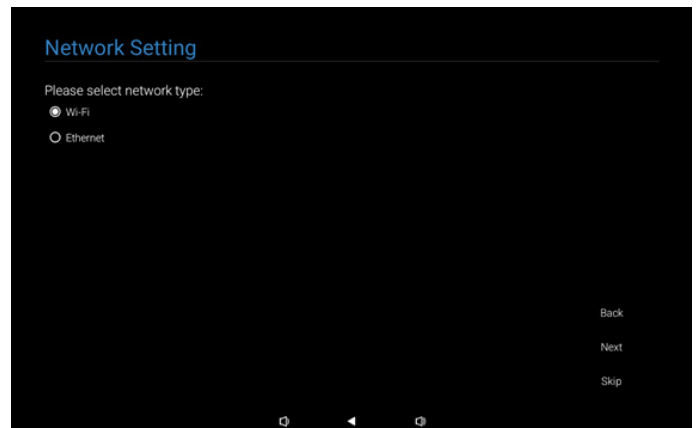
4.1.5. Security Setting

By default, the SICP Network Port, FTP, Admin Password, and External Storage options are enabled. Users can choose to check or uncheck these options as desired. If you prefer not to set up this item, you can skip it using the Skip button.



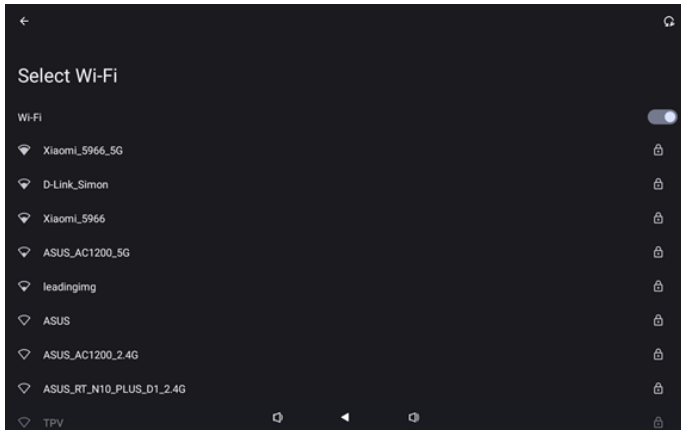
4.1.6. Network Setting

Users can choose their network connection source: Wi-Fi or Ethernet. After selecting, click the Next button to proceed with the network setup. Clicking the Skip button allows users to bypass network setup.



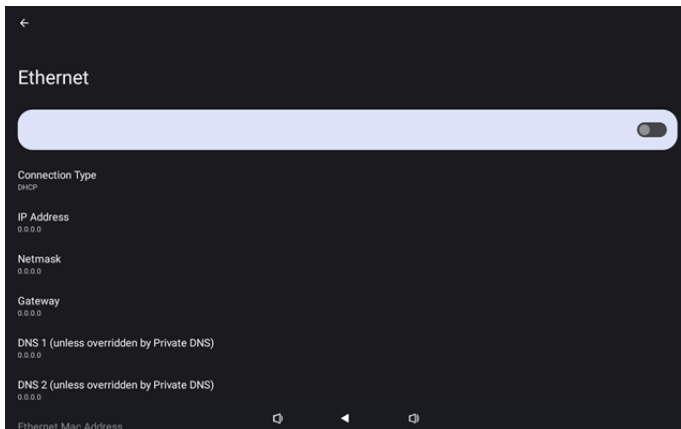
(1).Wireless (Wi-Fi)

After connecting to the Wi-Fi network, you will be automatically directed to the next page.



(2).Ethernet

After completing the Ethernet connection, you will be automatically directed to the next page.



4.1.7. Setup Complete

After pressing the Finish button, it will take some time to complete the initial setup and exit OOB.

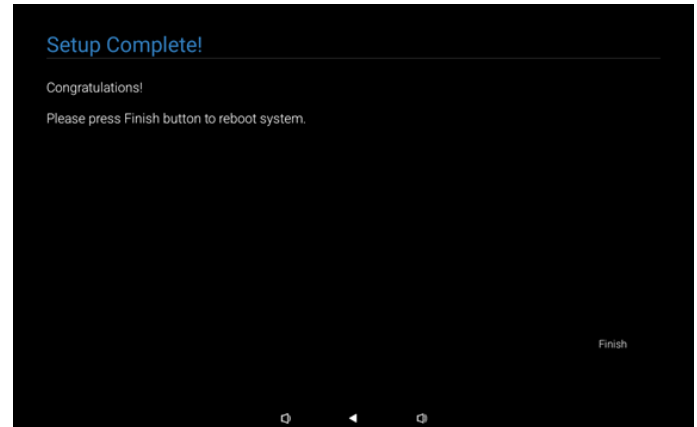
Page Display:

- (1) When selecting "Import Clone Data from SD/USB" in Signage Display Settings, the Setup Complete page will display "Import Clone Data Complete" page.
- (2) When selecting "Manual Setup" in Signage Display Settings, the Setup Complete page will display "Manual Setup Complete" page.

Note: Do not power off during the Import or Clone Media File process!

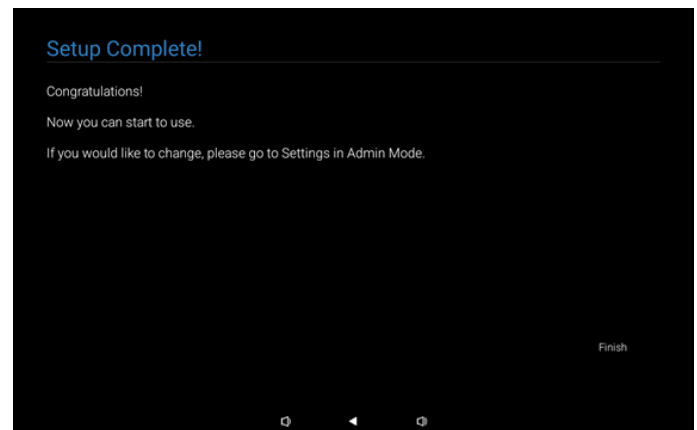
(1).Import Signage Display Settings Complete

After pressing Finish, if "Import Signage Settings from SD / USB" is configured, the system will automatically reboot after completion.



(2).Manual Setup Complete

After pressing Finish, the system will exit OOB after completion of the setup. Any future adjustments to these settings can be made through Admin Mode.



4.2. Android Launcher

4.2.1. Android PD launcher

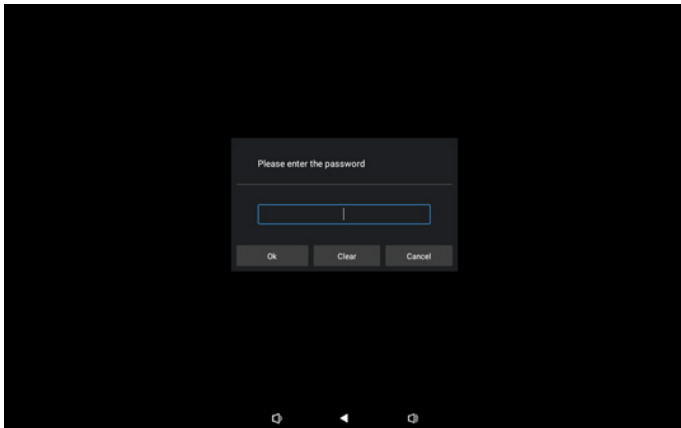
- Android PD launcher is a black page as shown below:



- Exit the App by pressing the "Back" key and the screen will enter Android PD launcher.

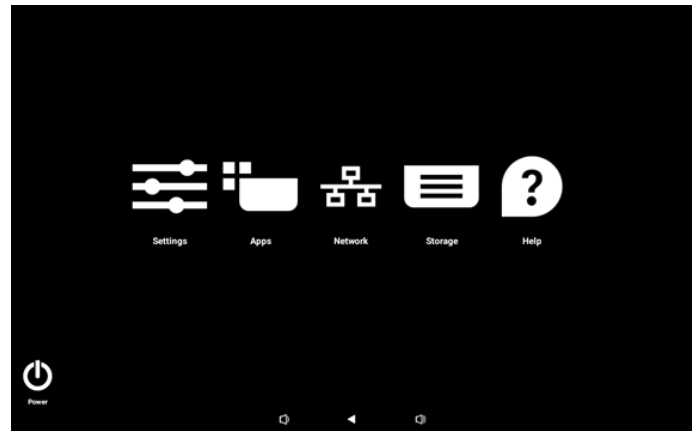
4.2.2. Admin mode

- You can press Hotkey "Menu + Volume-" to startup admin mode. Screen show up a dialog request enter Admin password, default password is "1234". User can change password in "Settings -> Signage Display -> System tools -> Admin Password".

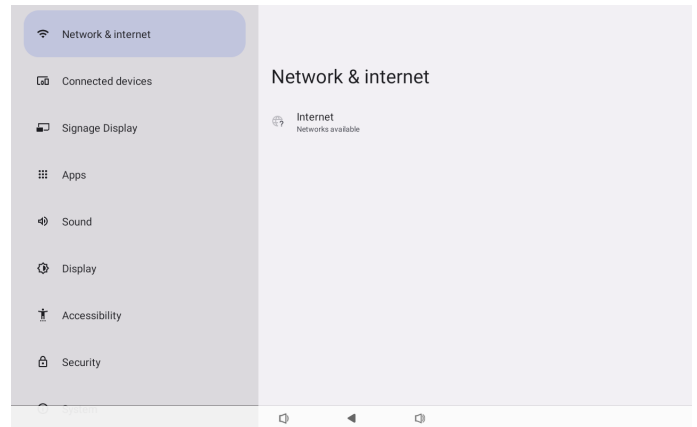


The Admin mode consists of the following Apps:
"Settings", "Apps", "Network", "Storage", "Help" and "Power".

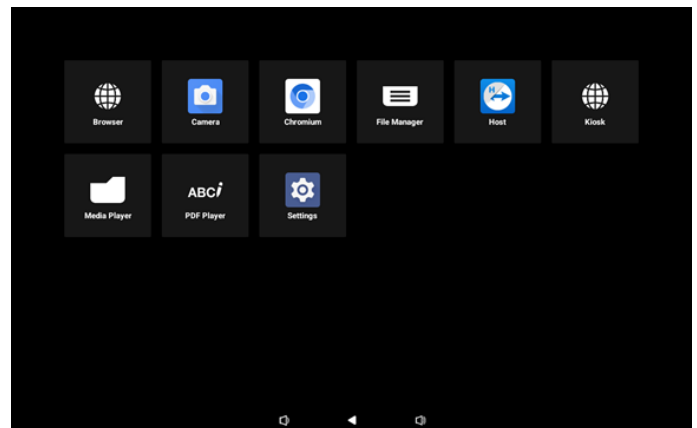
1. Settings : go to settings page.
2. Apps : show all apps.
3. Network : set Wi-Fi and Ethernet.
4. Storage : go to Storage page.
5. Help : display QR code to get help.
6. Power : display "Power off", "Sleep" and "Reboot".



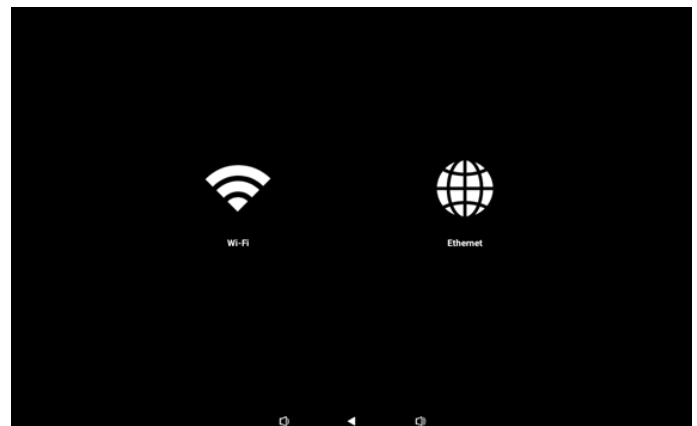
(1). Settings page



(2). Application page



(3). Network page



Wi-Fi page



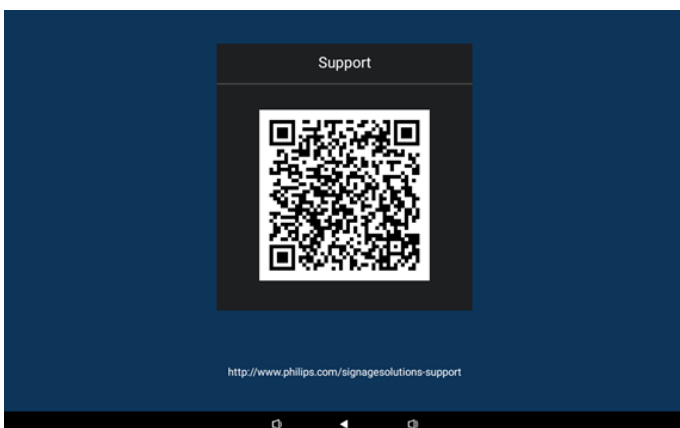
Ethernet page



(4). Storage page



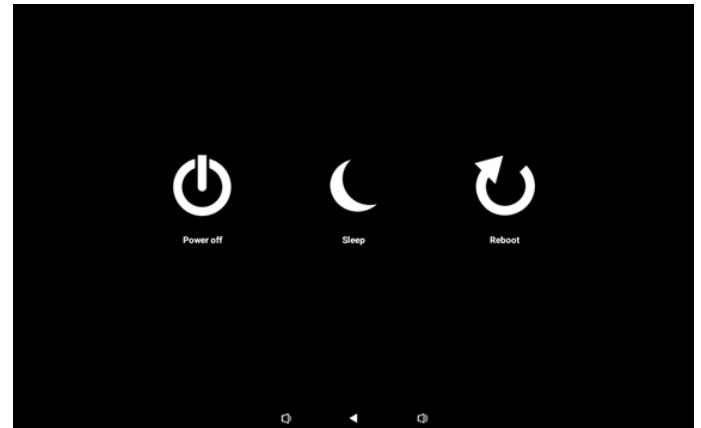
(5). Help page



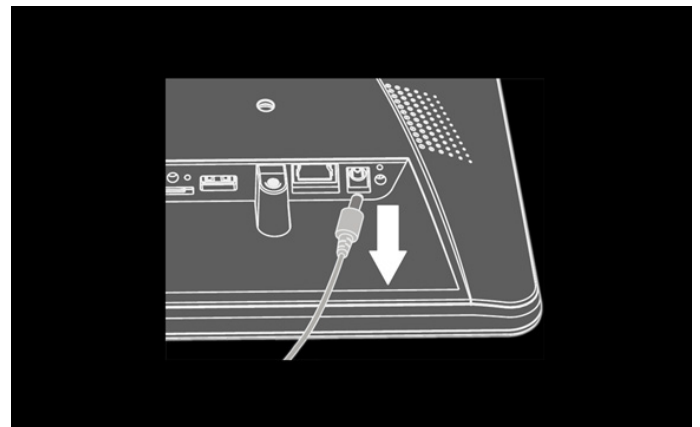
(6). Power page

User can press the "Power off" button to shutdown device or press the "Reboot" button to reboot device, or press the "Sleep" to sleep device.

User can press "Menu + Menu + Volume - + Volume-" to wakeup device.

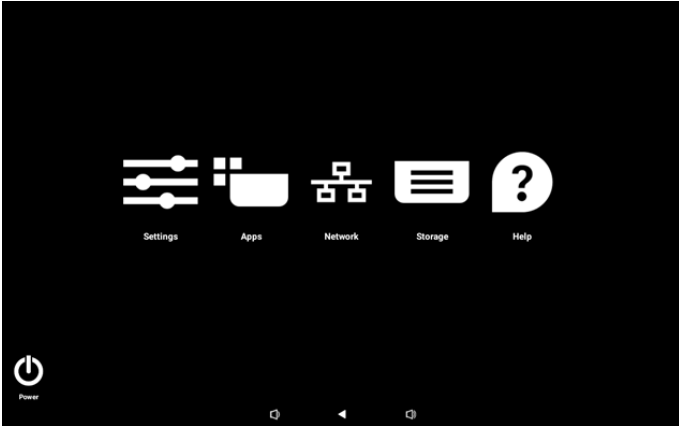


For the always-on model, like 10BDL5051T, the "Power off" button is not designed to completely shut down the device. When the user presses the "Power off" button, the device will go through a graceful shutdown process until it displays the "Unplug power cord" message (as shown in the picture). The user can safely remove the power cord. This feature ensures a smoother and safer shutdown process.



4.3. Setting UI

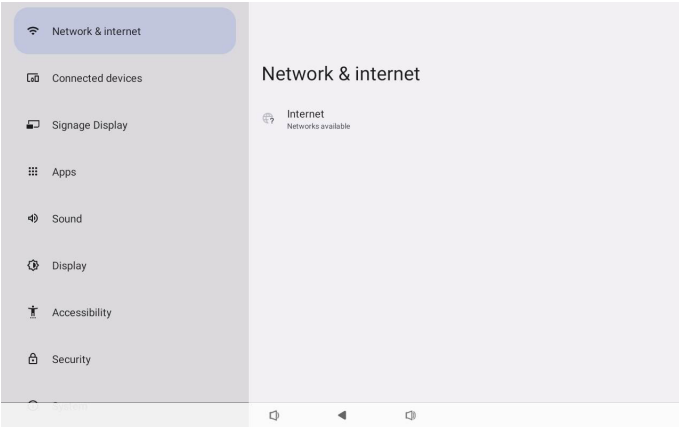
Enter PD settings by clicking "Settings" icon in Admin mode.



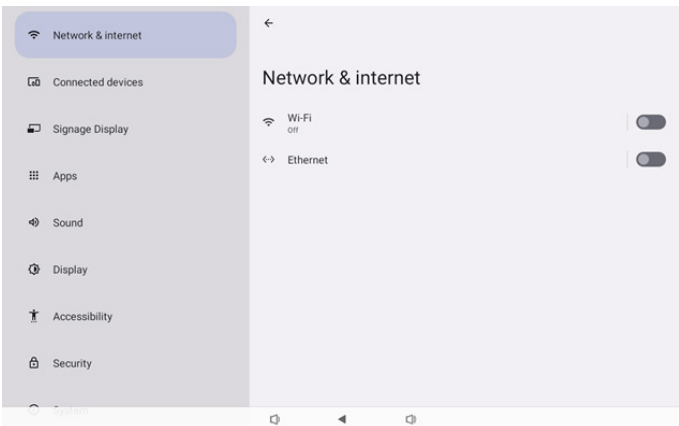
Setting menu consists of the following items:

- (1). Network & internet
- (2). Connected devices
- (3). Signage Display
- (4). Apps
- (5). Sound
- (6). Display
- (7). Accessibility
- (8). Security
- (9). System
- (10). About

4.3.1. Network & Internet



4.3.1.1. Internet

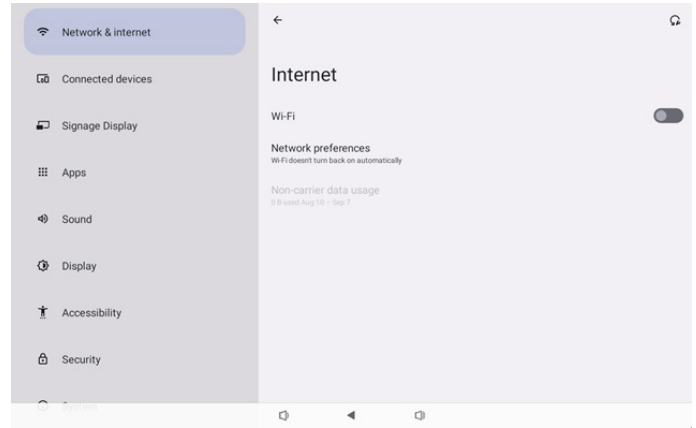


4.3.1.1.1. Wi-Fi

Enable Wi-Fi

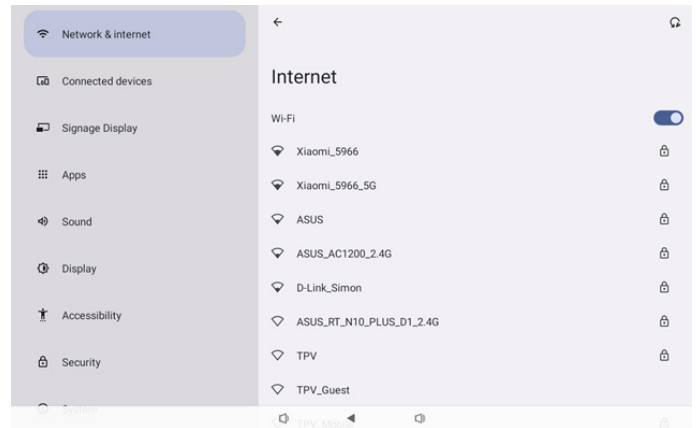
Enable/disable Wi-Fi connection through main switch in Setting -> Network & Internet -> Wi-Fi -> Off/On toggle button.

(1). Wi-Fi Off

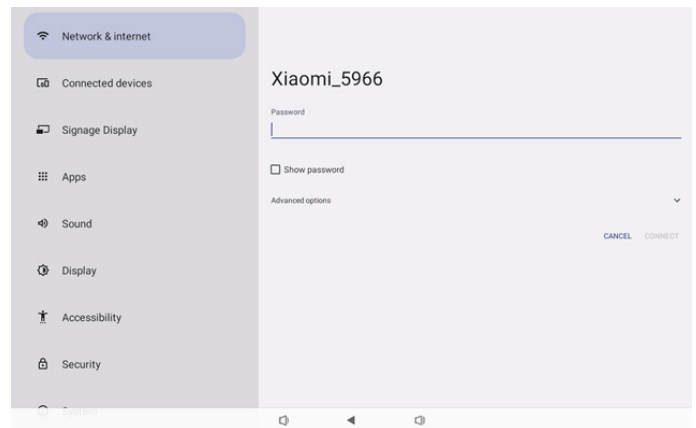


(2). Wi-Fi On

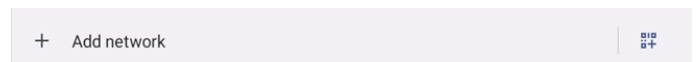
On the available network list, select an AP (access point) on an existing wireless network.



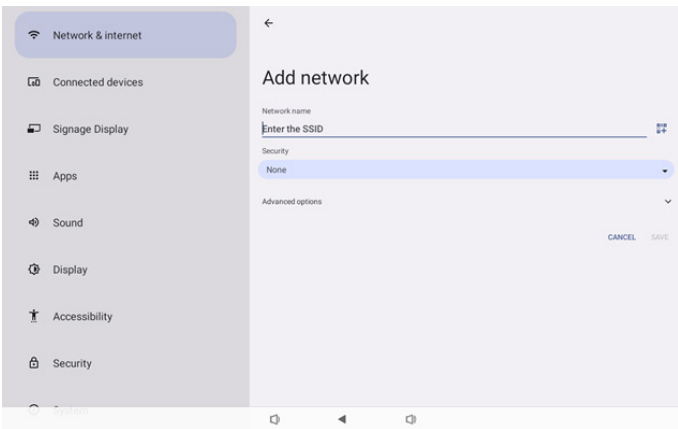
Enter the required settings.



There is an "Add network" item at the end of list. If network is not listed, use "Add Network" to join a hidden network.

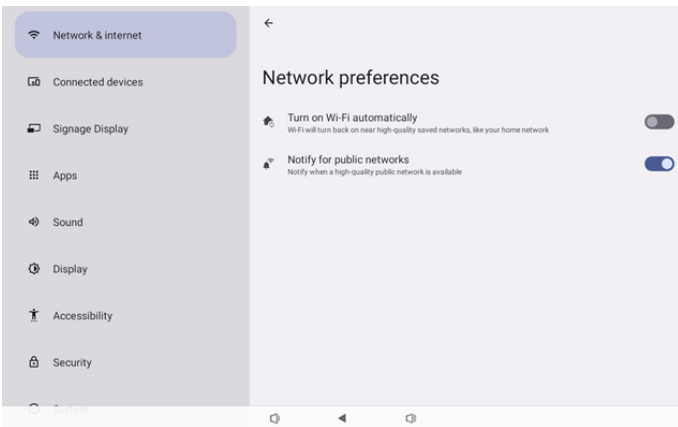


You must input network SSID, security type and other advanced options for this network.



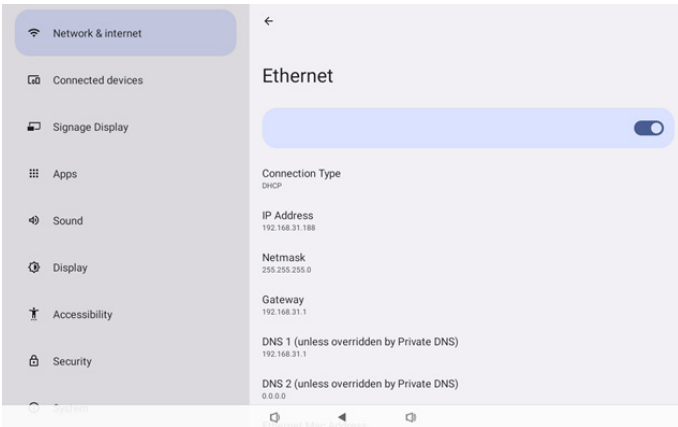
Note: When Wi-Fi is enabled, Ethernet will be disabled automatically.

Network preferences



4.3.1.1.2. Ethernet

Tap to switch Ethernet between On and Off.



Connection Type

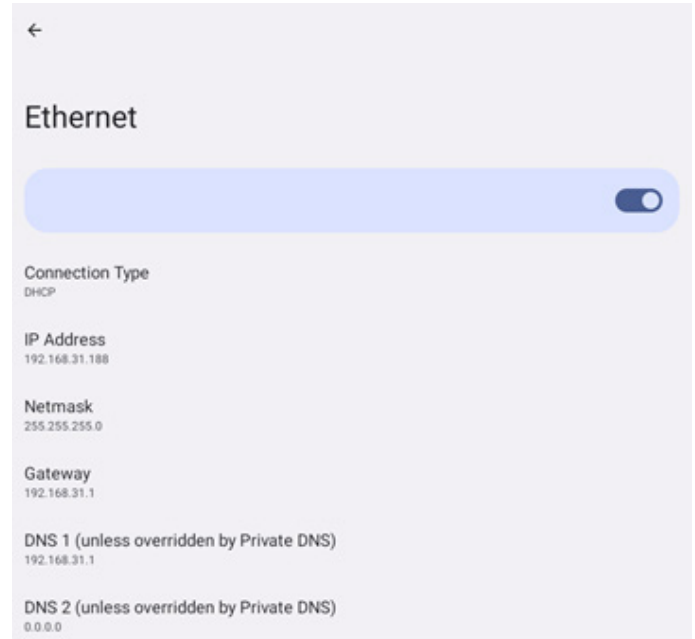
Select connection type from DHCP and Static IP.



DHCP

The IP Address, Netmask, DNS Address and Gateway settings are assigned by DHCP server, they are not modifiable.

If connection is successful, it will show current network settings.



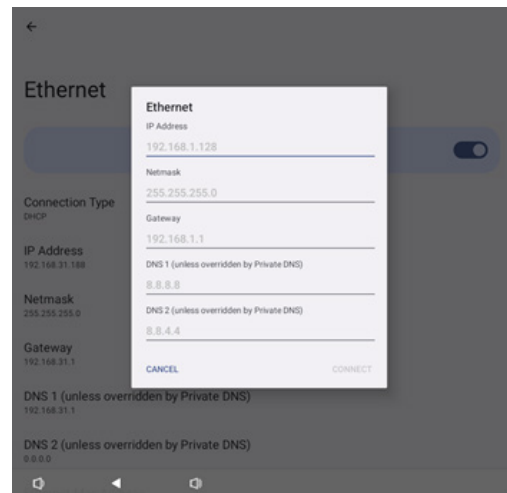
Static IP

User can assign device's IP Address, Netmask, DNS address and Gateway settings of Ethernet in Static IP connection type.

Note:

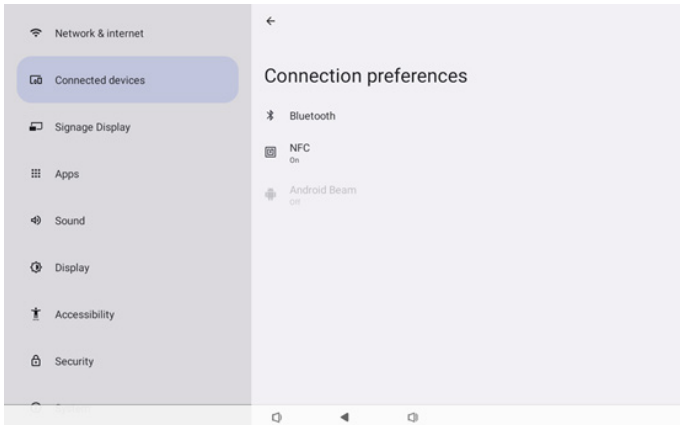
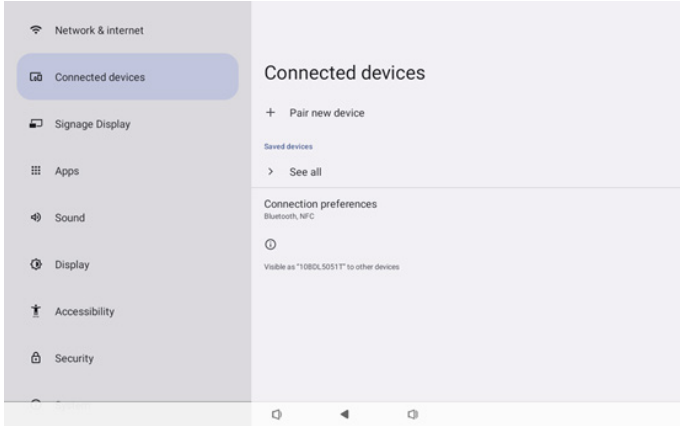
- 1. IP address, Netmask, DNS server address and gateway address are necessary.
- 2. input limitation

Format: number 0-9, decimal point "."



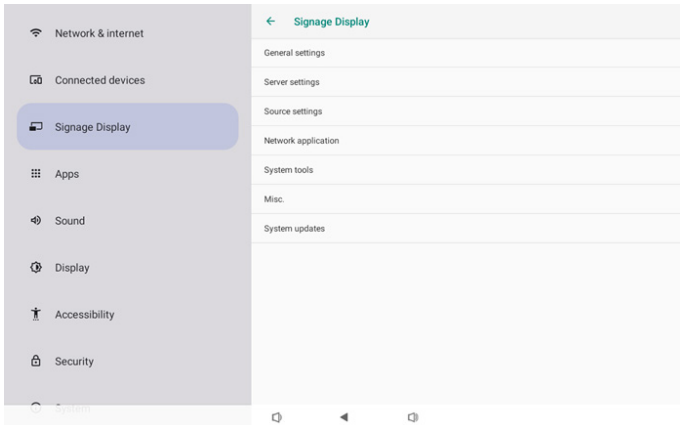
4.3.2. Connected devices

The “Connected devices” option is used to manage and view other devices connected to your Android device, including Bluetooth and NFC devices. These settings help users easily pair, manage, and configure various external devices, enhancing the user experience and convenience.

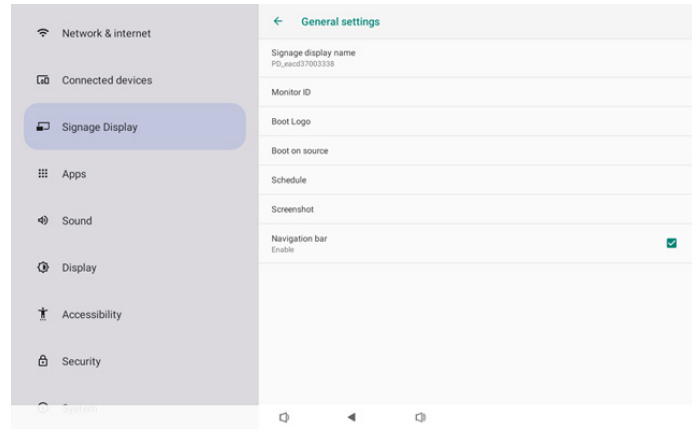


4.3.3. Signage Display

Settings for signage display features.



4.3.3.1. General Settings



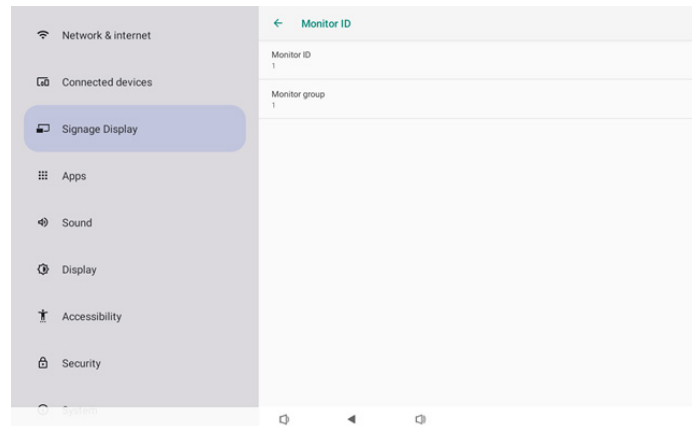
4.3.3.1.1. Signage display Name

Default signage display name is “PD{Ethernet_MAC_Address}”. User can change the name with maximum 36 characters in length.



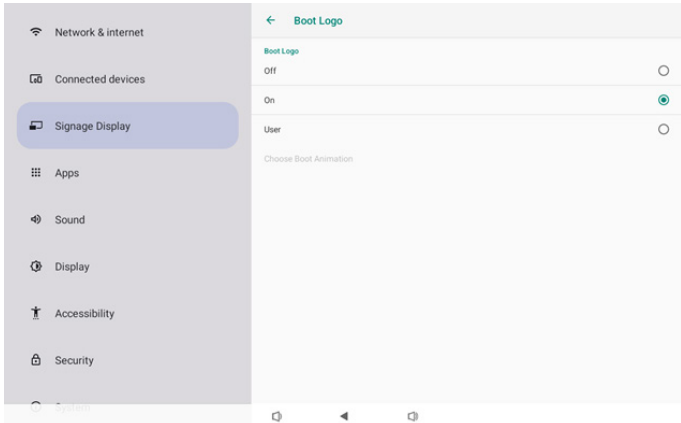
4.3.3.1.2. Monitor ID

Monitor ID set range in {1-255}. The default setting is 1. Monitor group set range in {1-254}. The default setting is 1.

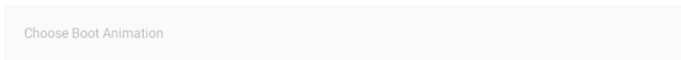


4.3.3.1.3. Boot Logo

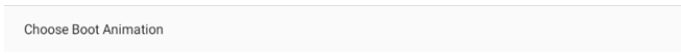
User can set up device boot up logo (boot animation) when Settings -> Signage Display -> General Settings -> Boot Logo is set to "User" mode.



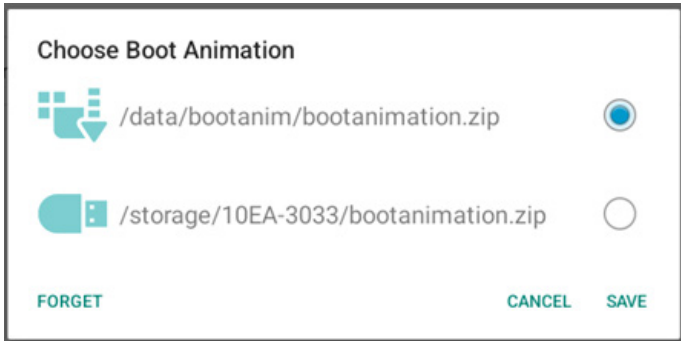
If Logo not set to "User" mode, user cannot select custom boot animation.



When set to "User" mode, the "Choose Boot Animation" become available.



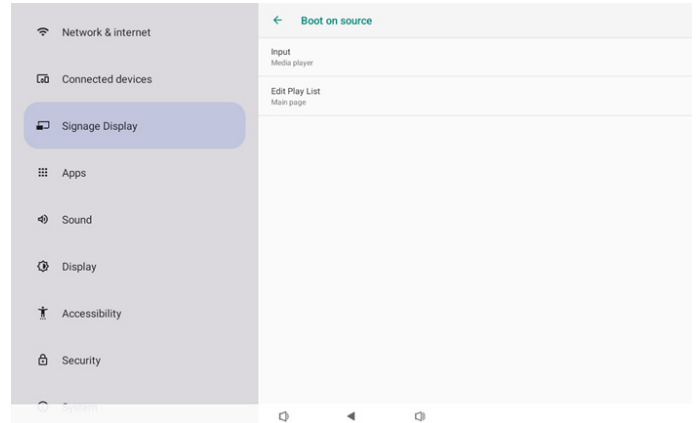
System will search and list "bootanimation.zip" in the root folder's external storage and bootanimation.zip that user saved last time. When "Save" is selected, system will copy the selected file to or overwrite bootanimation.zip file under / data/bootanim/ folder.



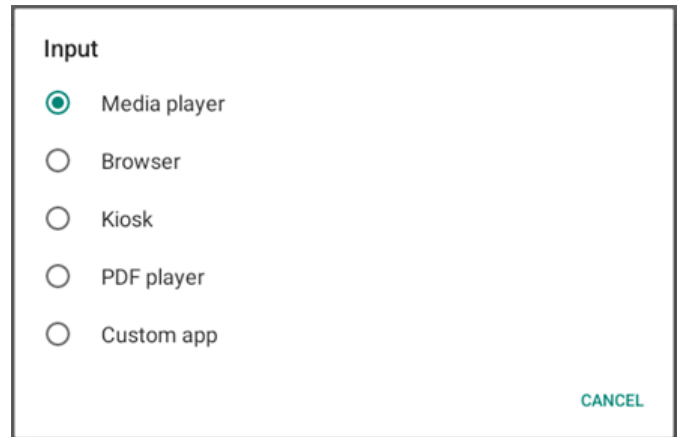
Click "FORGET" to remove the bootanimation.zip already stored in /data/bootanim/ folder.

4.3.3.1.4. Boot on source

Choose to select a source when booting up.

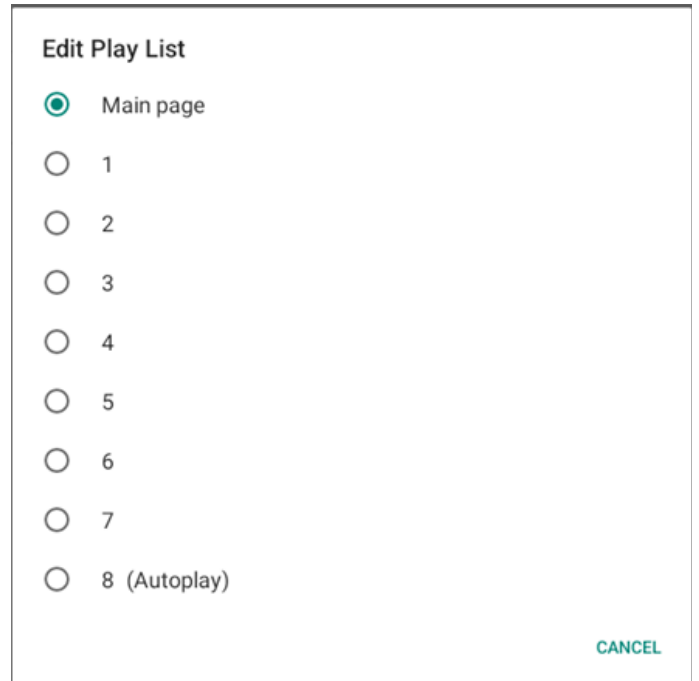


Input: Select input source when booting up.



Edit Play List: select playlist index for Media player, Browser, PDF player.

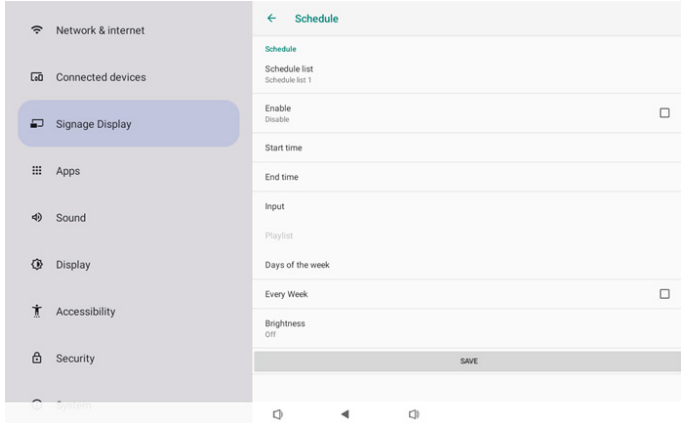
- Main page
- 1~7: playlist number.
- 8: auto play option for Media Player.



Please note that if user chose “Custom app” as boot on source, the user specified application (APK) must be selected in Settings -> Signage Display -> Source Settings -> Custom APP.

4.3.3.1.5. Schedule

Allow user setup up to seven different scheduled intervals of display activity.

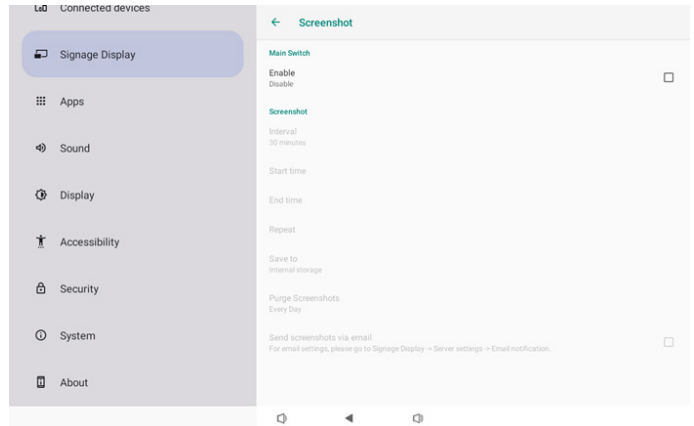


- {Schedule list} – Select 1-7 schedules to edit.
- {Enable} – Enable/disable selected schedule. If time conflict with other schedule or start/end time, input source are empty, user cannot enable this schedule.
- {Start time} – Set start time.
- {End time} – Set end time.
- {Input} – Set input source, system will go to selected source automatically at start time.
- {Play list} – select playlist index for Media player, Browser, PDF player.
 - 1~7: playlist number.
 - 8: auto play option for Media Player.
- {Days of the week} – Set Sunday, Monday, Tuesday, Wednesday, Thursday, Friday and Saturday.
- {Every week} – Set lifecycle.
- {Back} – Cancel and do not change schedule data.
- {SAVE} – Save schedule data.

4.3.3.1.6. Screenshot

Settings -> Signage Display -> General Settings -> Screenshot

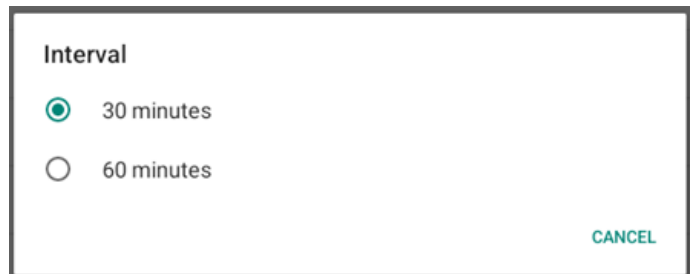
To capture the screenshots from the imported content, click “Enable” to enable the auto screenshot function. If the screenshot options are grayed out, it means that the screenshot function has not been enabled yet.



After enabling this feature, you can set the interval time between each screenshot, as well as the destination folder where the captured screen will be saved. The option “Save to” notifies you that the screenshot images will be saved to the internal storage and they cannot be changed manually.

NOTE:

1. The screenshot images will be deleted automatically under the following conditions:
 - (a). When the start time of the screenshot feature is set to 0 seconds.
 - (b). Starting the screenshot at 40 seconds of minute.
 - (c). If you decide to purge the screenshot photos every week, the data of deleting the photos will be changed to the day that you apply the setting of screenshot feature. For example, if you set the purging day to Monday of every week, then changed other settings in screenshot feature on Friday, the purging day will be changed to Friday (the day of the system’s current time).
2. Sleep (system suspend) and screenshot feature: The screenshot feature is suspended when the system enters sleep mode. The function of mailing out the screenshot is consequently suspended. The screenshot-related features will be restarted when the system enters active mode.
- (1). Interval
Set the interval time between each screenshot. The available options are 30 and 60 minutes.



- (2). **Start Time**
Set the start time of a day to begin the screenshot function.
Make sure that you click the “Save” button before leaving the dialog box, or your settings will not be saved.
The start time must be less than the end time. A toast message will appear notifying you if it is an invalid value.

- (3). **End Time**
Set the end time of a day to end the screenshot function.
Make sure that you click the “Save” button before leaving the dialog box, or your settings will not be saved.
The start time must be less than the end time. A toast message will appear notifying you if it is an invalid value.

- (4). **Repeat**
Set the repeat mode for auto screenshot.

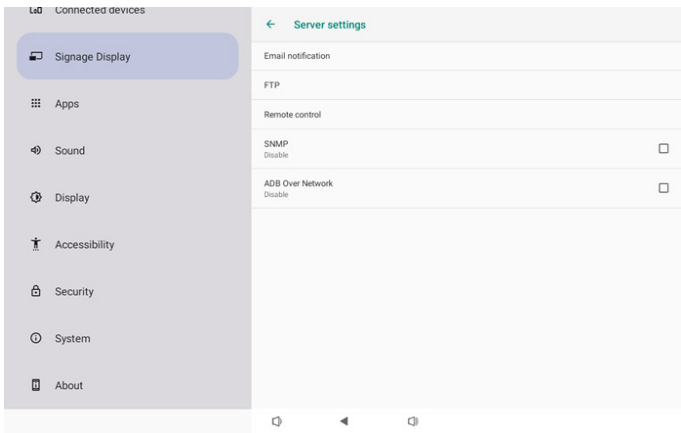
- (5). **Save to**
The screen images will be saved in the folder “philips/ screenshot” of the internal storage.
- (6). **Purge Screenshots**
Set the interval time for deleting the screenshot images. The available options are “Every day” and “Every week”.

- (7). **Send screenshots via email**
You can send each screenshot image as an e-mail attachment. The user must first set up the mail information in “Settings -> Signage Display -> Server Settings -> Email notification” (Refer to [Email Notification](#) section).

4.3.3.1.7. Navigation bar

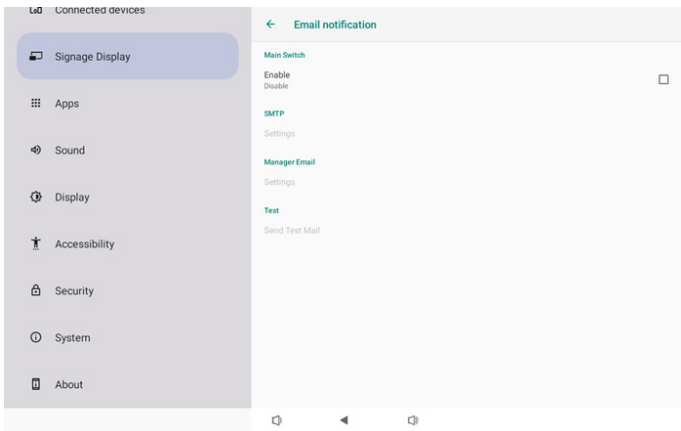
Set up to enable or disable navigation bar during touch gesture. This option only available when platform has supported touch device.

4.3.3.2. Server settings



4.3.3.2.1. Email Notification

Click checkbox to enable/disable E-mail notification feature. Set SMTP and manager E-mail after enabling the E-mail notification feature.



SMTP

Setup sender E-mail address and SMTP server information. There are two types of SMTP server for user set up: "Gmail" and "Other". By using "Other" option, user can manually setup STMP server, security type and server port.

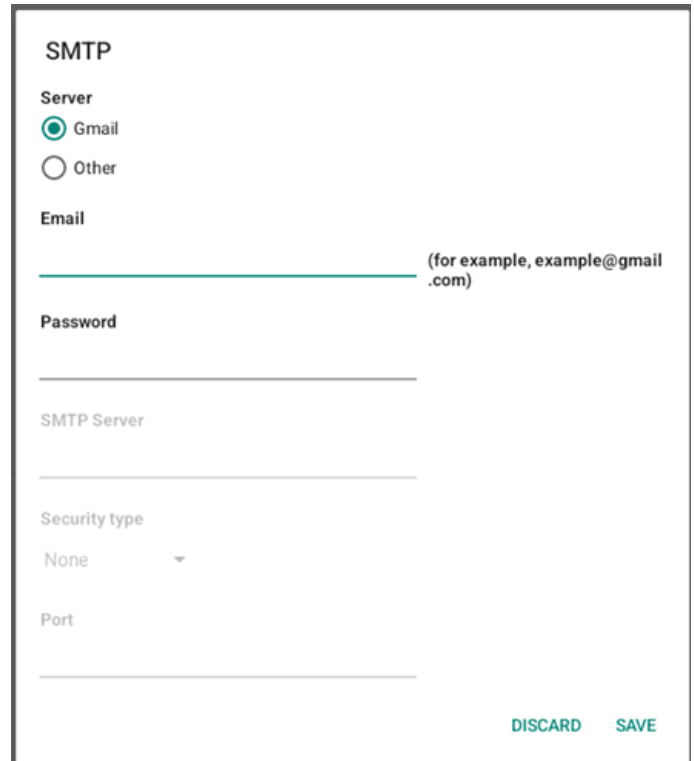
Note:

1. The password should be in UTF8 format with 6 to 20 characters.
2. User cannot set port 5000 (SICP default port) and 2121 (FTP server default port).

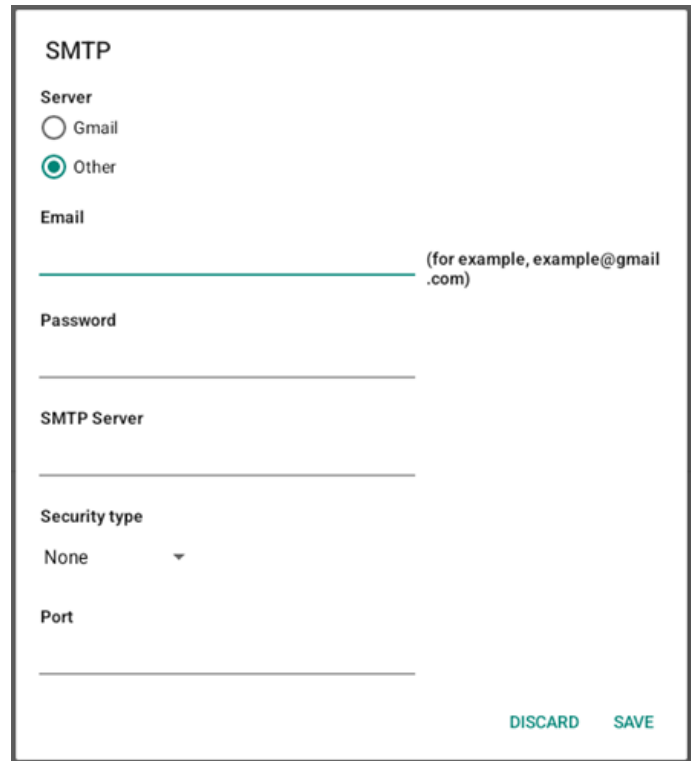
SICP network port setting in "Settings -> Signage Display -> Network Application -> SICP network port".

FTP network port settings in "Settings -> Signage Display -> Server settings -> FTP -> Port".

Gmail: (SMTP server, Security type and Port are grayed)

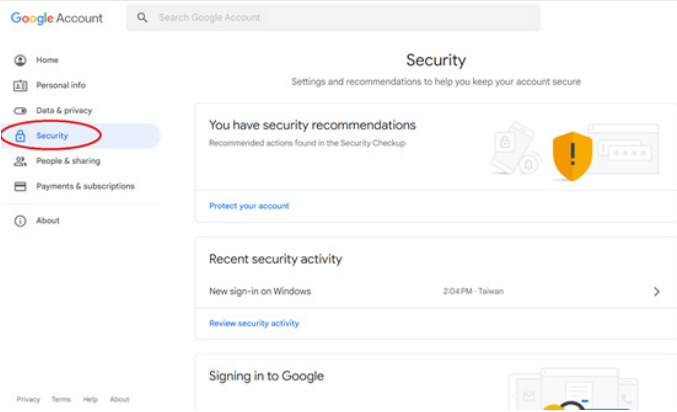


Other:

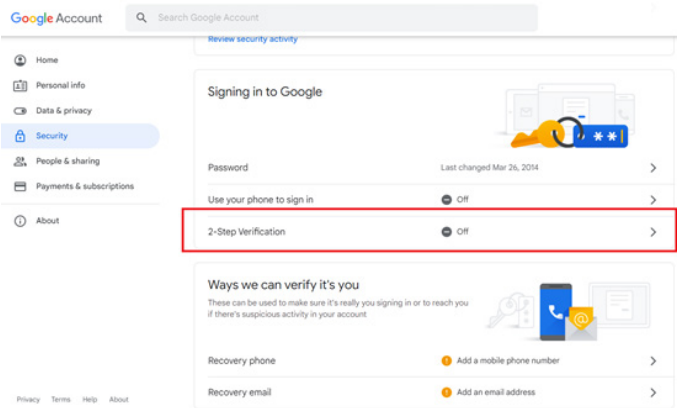


Gmail Security Settings

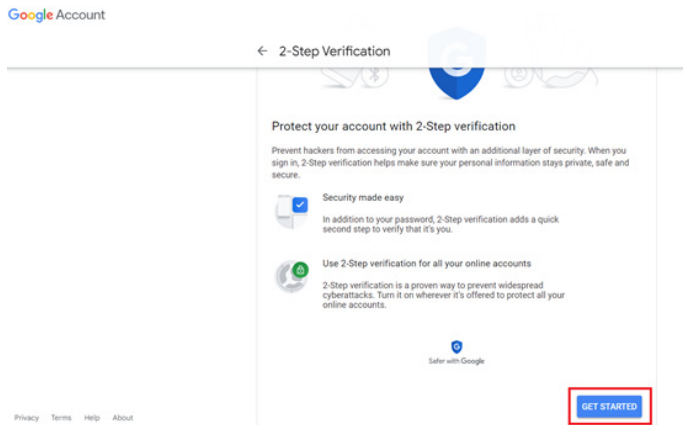
Open a web browser and login into your Google account. Click on the "Security" menu which can be found either on the left or at the top of the webpage.



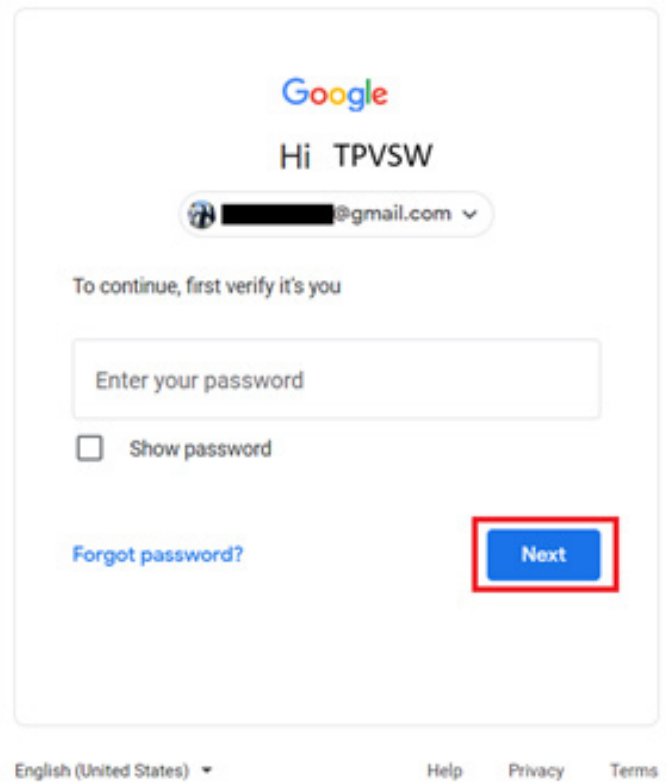
Step 1 - Select "2-Step Verification"
If 2-Step Verification is not turned on, click it to enable it.



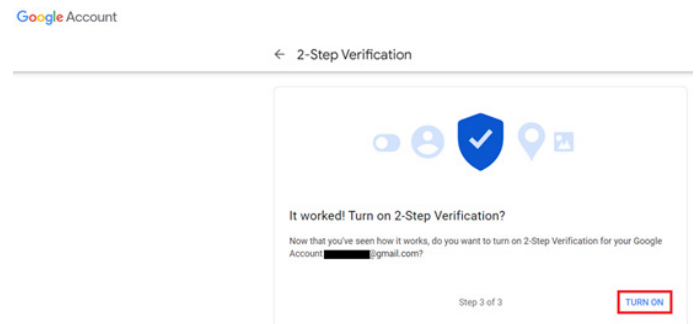
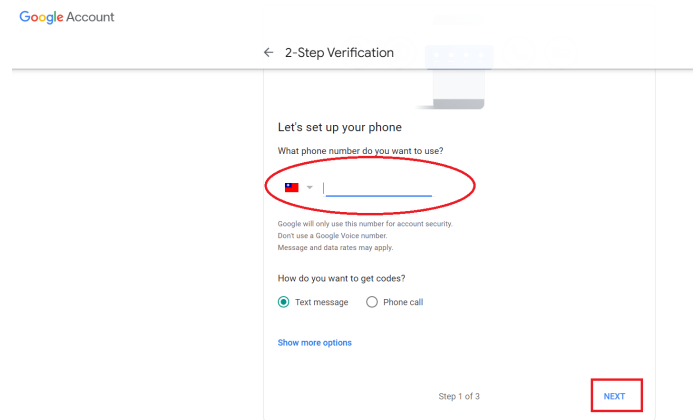
Step 2 - Configure 2-Step verification
Click the "GET STARTED" button to start configuring the 2-step verification options.



You may be prompted to log in to your Google Account again to confirm it's you:

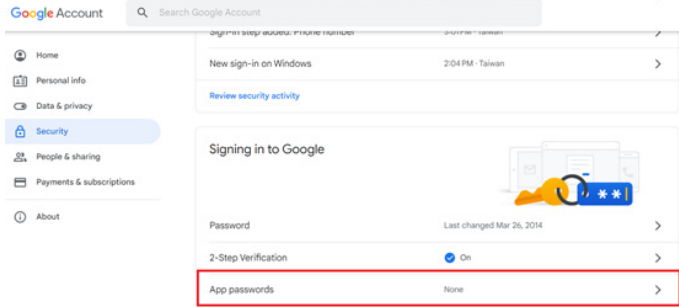


Step 3 - Use your Phone to Complete Configuration
Use on-screen instructions and available options to complete 2-Step verification using your phone.

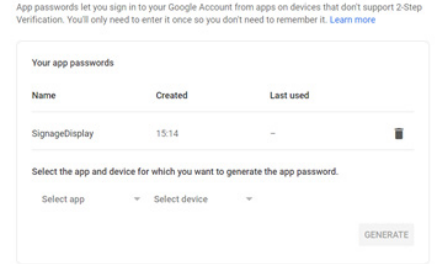


Step 4 - Create the App Password

Click on the "App Password" option to create a new application password:

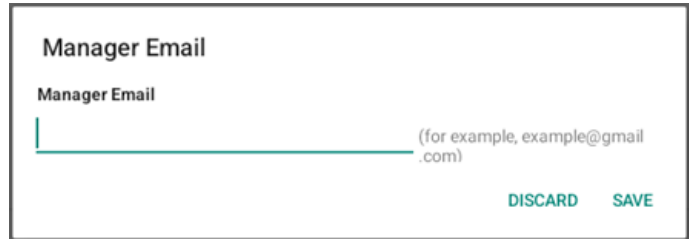


← App passwords



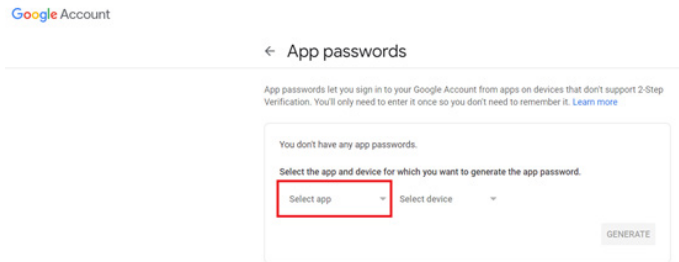
Manager Email

Specify the destination address to receive the e-mail.



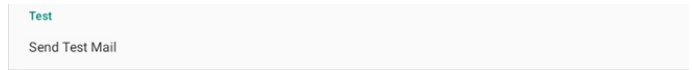
Step 5 - Add New App Name

First, select a device (for example, Windows Computer) and then click on "Select App" menu and choose "Other (custom name)":

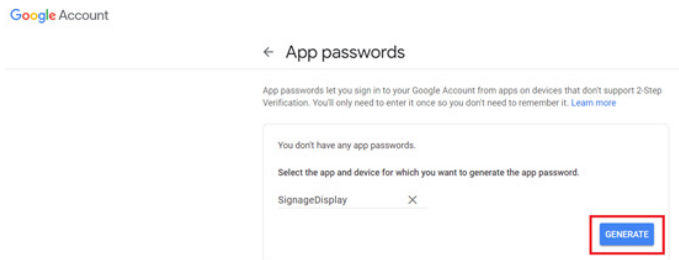


Test

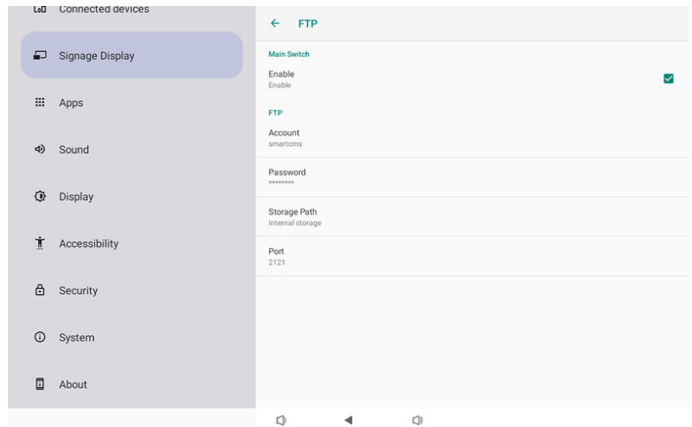
To check if your e-mail settings are correct, select 'Send Test Mail' to send a test e-mail.



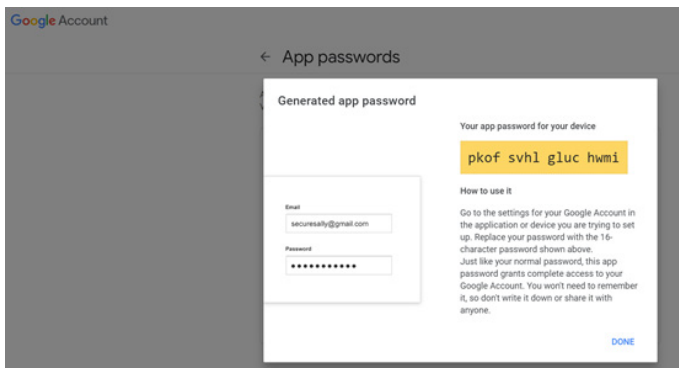
Enter a custom application name (it really does not matter what name is used in this field). Click "Generate" button: (Ex. Enter "SignageDisplay" as an app name)



4.3.3.2.2. FTP



Record the auto-generated app password or simply select it and copy to the clipboard for the later use.



Click the checkbox to enable/disable FTP server feature. After enabling this feature, user can setup account, password and port number.

a. Account: The user name to log into the FTP server must be between 4 and 20 characters long, and only alphanumeric characters (a-z, A-Z, 0-9) can be used.

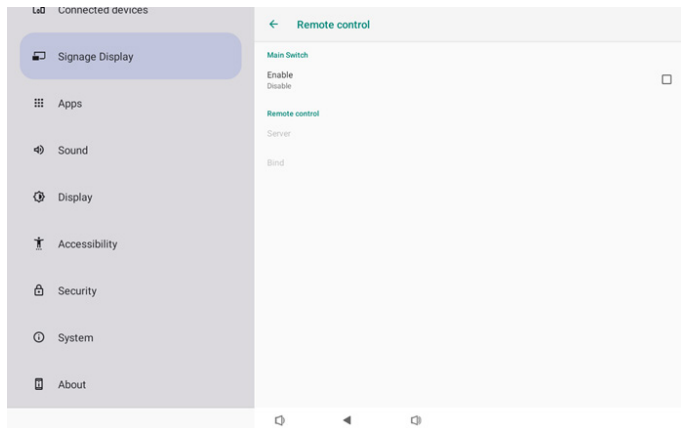
b. Password: The password to log into the FTP server should be between 6 and 20 characters long, and can only contain the characters [a-z], [A-Z], and [0-9]. After setting the password, it will be displayed as asterisks.

c. Storage path: The FTP server has access to the internal storage only. The storage path is unchangeable.

d. Port: The port number for the FTP server is available in the range from 1025 to 65535, the default setting is 2121. The following port number cannot be used: 8000 / 9988 / 15220 / 28123 / 28124 and SICP network port (default 5000).

Finally, manually reboot the system to apply the FTP settings.

4.3.3.2.3. Remote Control



Click the checkbox "Enable" to enable or disable the remote control client service. The default setting is "Enabled". To use the remote control feature, the device must be bound with the remote control server.

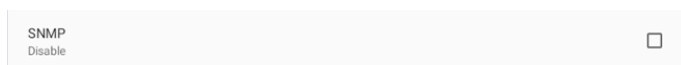
In the entry field of "Server", input the URL address with the prefix of "https://". If the device is not bound with the remote control server, please enter the PIN code provided by the server.

Bind status:

- (1). If the device does not have an appropriate network connection, a message "Network is disconnected" will appear.
- (2). If the device is equipped with a network function, but is not connected to the remote control server, a message "Server is disconnected" will appear.
- (3). If a server is connected, but not bound, a message "Server is unbinded" will appear.
- (4). If the device is bound with the server successfully, a message "Server is binded" will appear.
- (5). If the PIN code is not correct, a message "Error PIN code" will appear.

4.3.3.2.4. SNMP

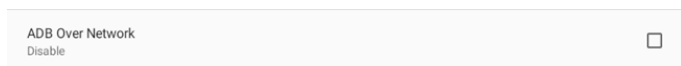
Enable/Disable the SNMP service.



Please refer to the SNMP user manual.

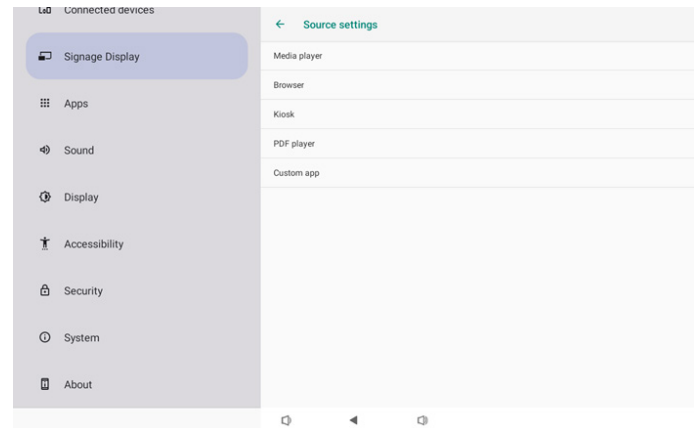
4.3.3.2.5. ADB over Network

You can access ADB over a network connection with port 5555.



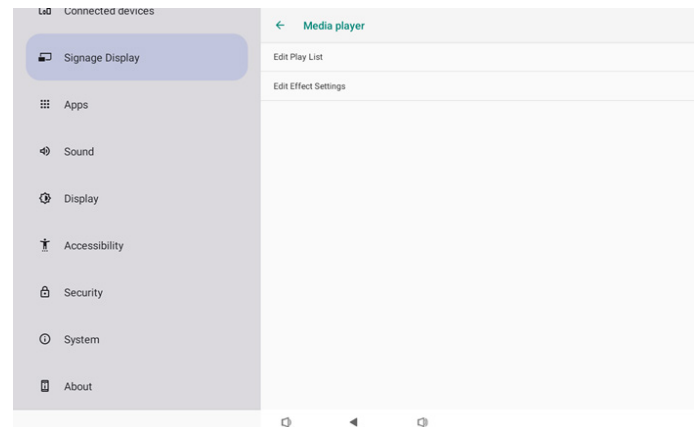
4.3.3.3. Source Settings

User can configure source APK's detail options.



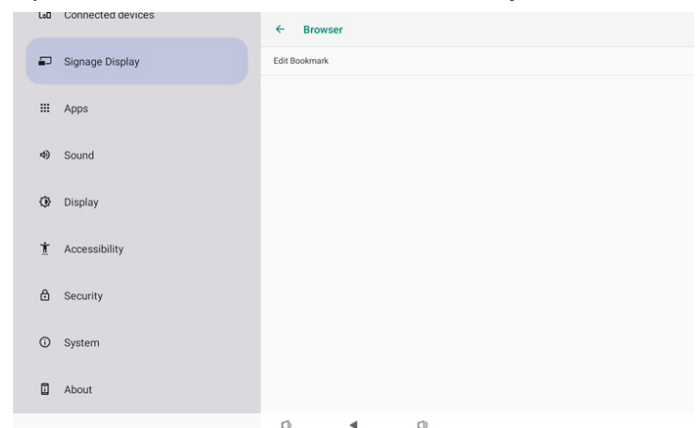
4.3.3.3.1. Media Player

Open Media Player APK's edit play list activity and edit effect settings activity.



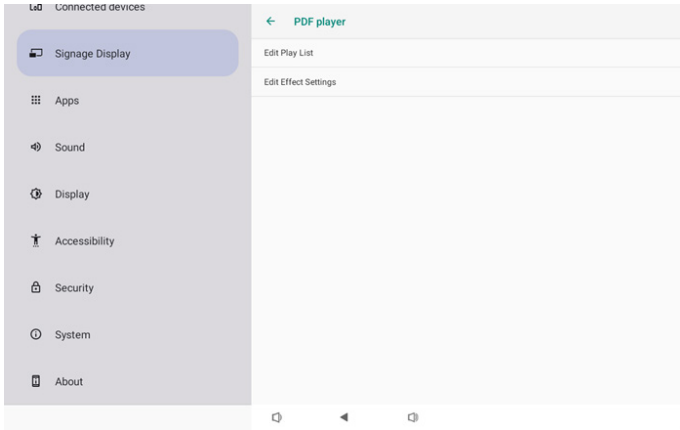
4.3.3.3.2. Browser

Open Browser APK's bookmark editor activity.



4.3.3.3. PDF Player

Open PDF Player APK’s edit play list activity and edit effect settings activity.



Buttons:

(1).FORGET

Clear custom source application. It turns gray if custom source application is not set.

(2).CANCEL

Cancel and close the dialog.

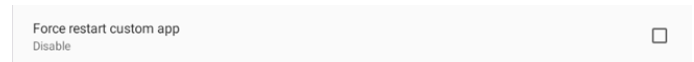
(3).SAVE

Click SAVE to choose selected APK as custom source application. It turns gray if there is no available application can be selected.

- Force Restart Custom APP

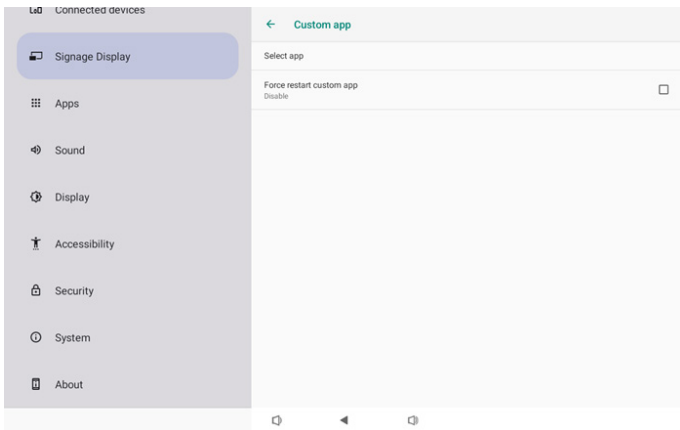
The system can monitor whether custom APP is present or crashing when “Force Restart Custom App” is enabled. If the custom App is not present and boot on source is set to “Custom App”, the system will launch custom App again.

Default is disabled.

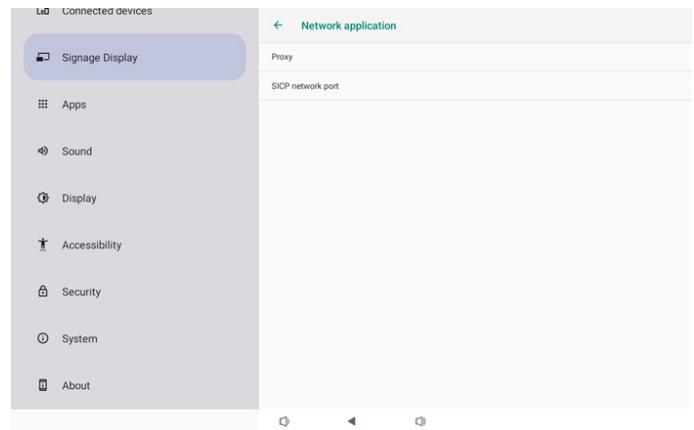


4.3.3.3.4. Custom app

User can set up custom source APK. The selected APK will be launched when switching to the custom input source. If custom source APK is not set, the system will show black screen when switching to the custom input source.



4.3.3.4. Network Application



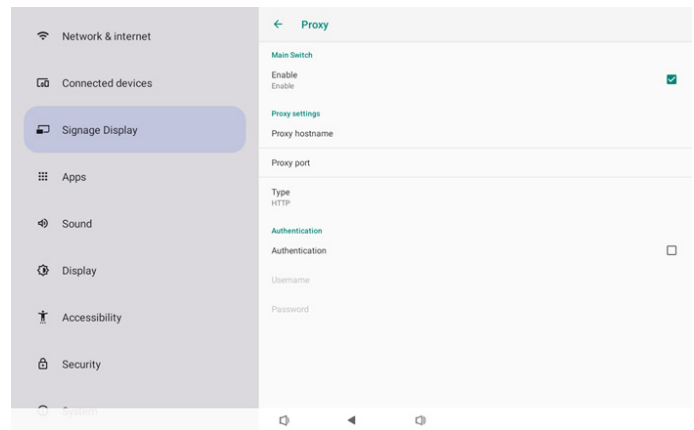
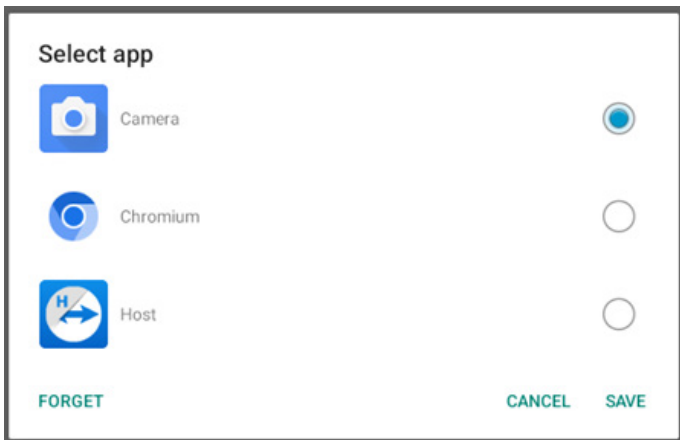
4.3.3.4.1. Proxy

Enable/disable network proxy by tapping “Enable” checkbox. User can set up host IP and port number of the proxy server. Default is disabled.

If user set up APK for custom app source, it will show APK name. If not it means that custom App is not configured.

- Select APP

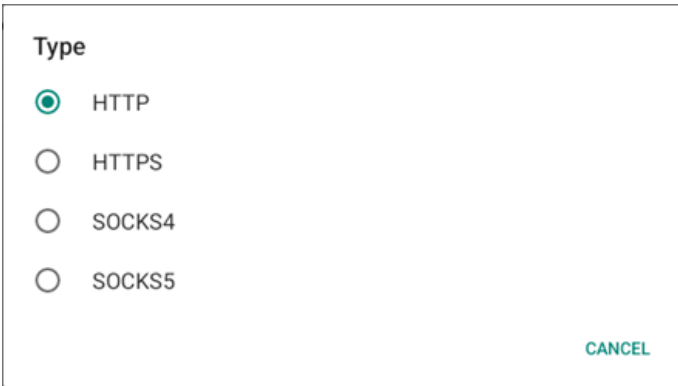
Select a specific APP for custom APP source.



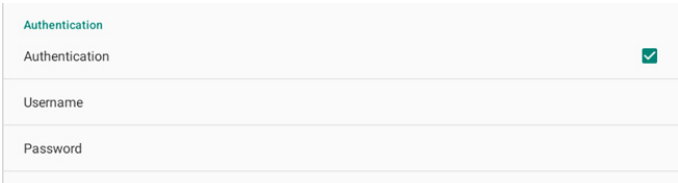
System supports following proxy types: HTTP, HTTPS, SOCKS4, and SOCKS5. Choose one for your proxy server.

Note:

Most pre-installed APKs will not be shown on the list. It only lists the APKs installed manually by user or removable APKs.



If authorization with login name and password is required for proxy server, enable the checkbox for these items.

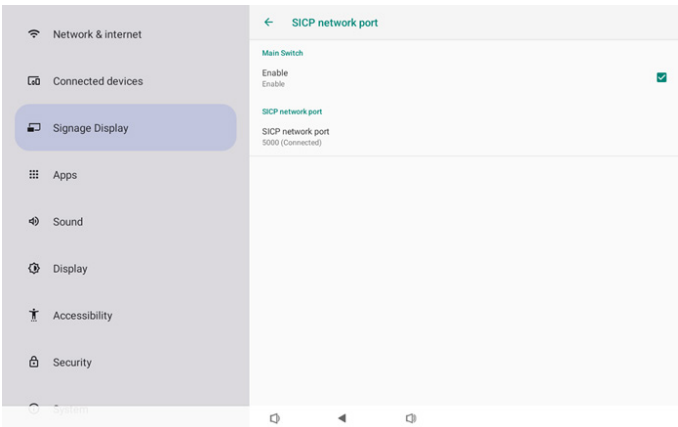


4.3.3.4.2. SICP Network Port

Set up SICP default port and enable/disable network SICP. Default SICP is enabled with port 5000.

Note:

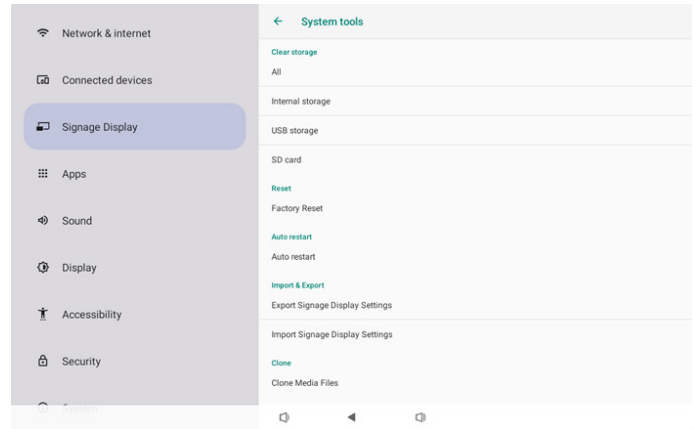
1. Port number ranges from 1025 ~ 65535.
2. The following ports are occupied, they cannot be assigned to SICP network port: 8000, 9988, 15220, 28123, 28124 and FTP port (default 2121).



4.3.3.5. System Tools

Settings system features for signage display.

- (1). Clear Storage
- (2). Reset
- (3). Auto restart
- (4). Import & Export
- (5). Clone
- (6). Security
- (7). Admin Password
- (8). Touch



4.3.3.5.1. Clear Storage



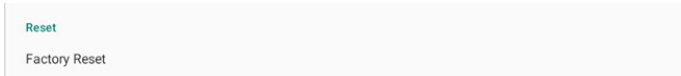
Use to clear all data under {storage}/philips/ folder in internal and external storage

- All
Clear philips/ folder in internal storage, USB and SD card.
- Internal Storage
Clear philips/ folder in internal storage only.
- USB Storage
Clear philips/ folder in USB storage only.
- SD card
Clear philips/ folder in SD card only.

The folders to be cleared will be listed. Press "RESET" to clear all data under listed folder. Or press back key to leave and do nothing.



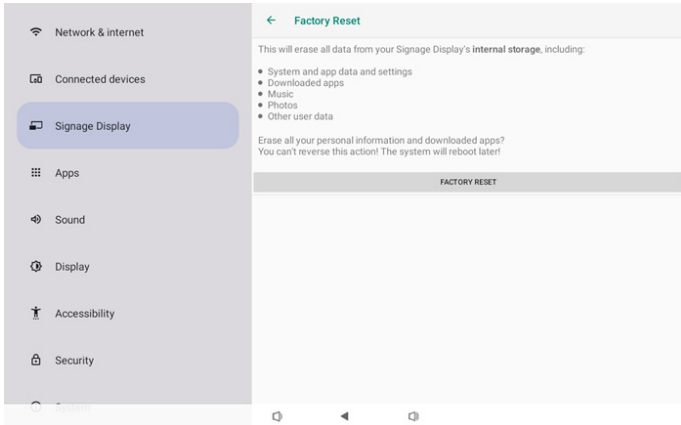
4.3.3.5.2. Reset



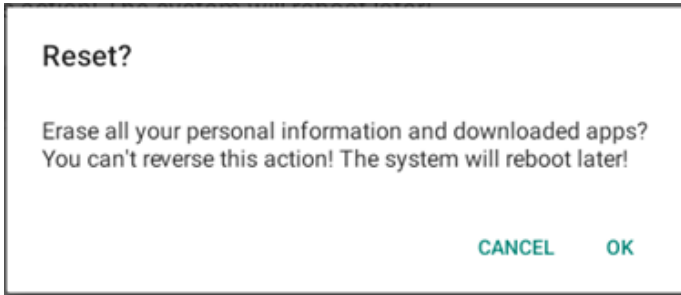
• Factory Reset

Factory reset allows you to clear all user data and settings. System will auto reboot and jump to OOB after it is finished. Important Note:

- (1). All system data will be erased and cannot be reverted, including device settings, installed APPs, APPs' data, download files, music, photos and all data under /data. However, data in USB storage and SD card will not be cleared, only data from internal storage will be cleared.
- (2). Please make sure AC adapter and power are both present during factory reset process. Power off the system only when OOB shows on the screen again.

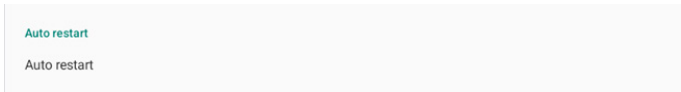


Tap "Factory Reset" and you will be prompted to confirm the reset action. Note that doing so will erase all data from internal storage and this action cannot be reverted.

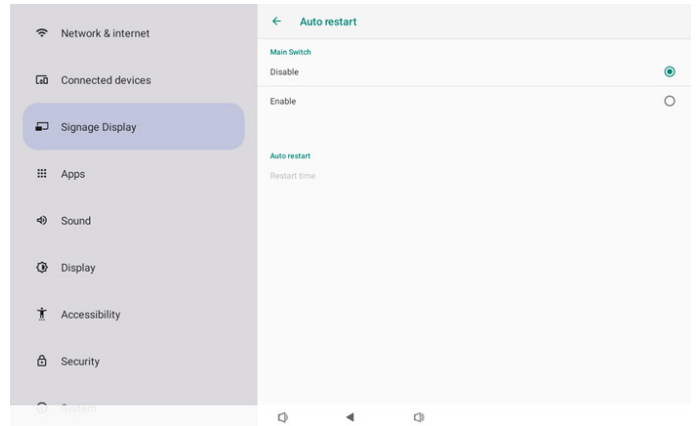


4.3.3.5.3. Auto Restart

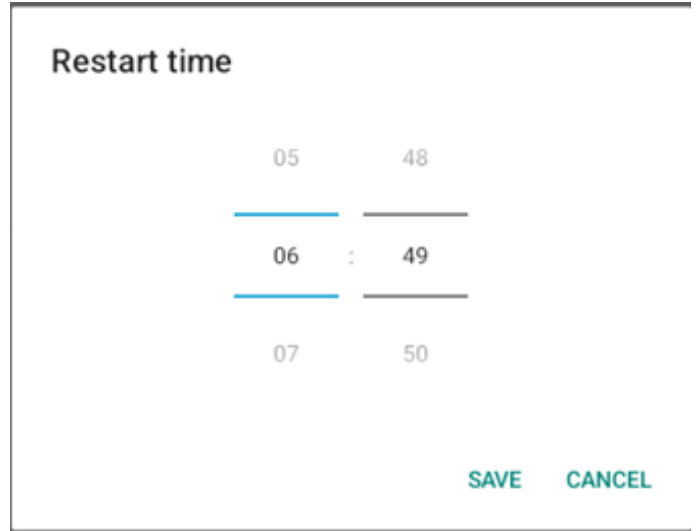
Set a specific time for the system to auto restart everyday.



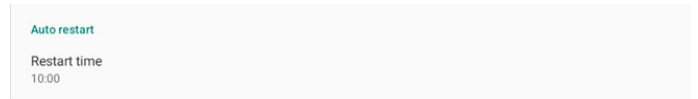
Set auto restart feature enabled or disabled.



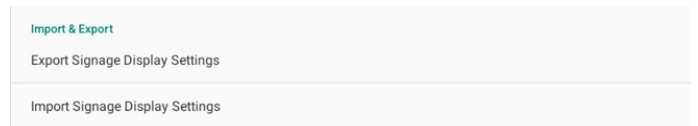
Use time picker to set restart time.



Select "SAVE" and the system will restart at the specified time.



4.3.3.5.4. Import & Export



This feature allows you to import database settings and 3rd party APK to other devices. Please note that:

- (1). Export data to 10BDL5051T-clone.7z file under {storage}/philips/clone folder.
- (2). "Signage Display Name" will not be imported/exported.

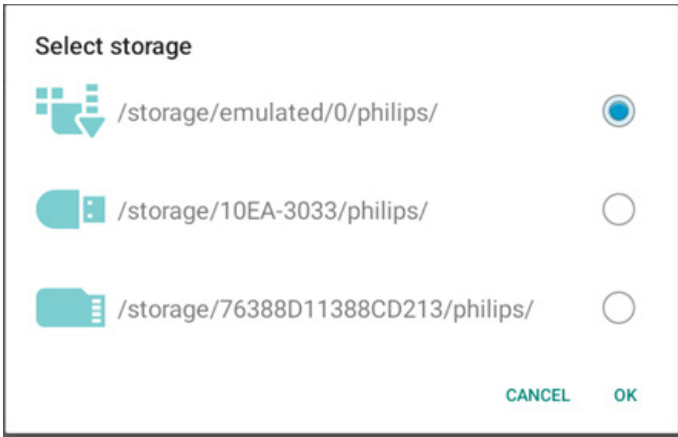
• Export Signage Display Settings

System exports database data and third party APKs into {storage}/philips/clone/10BDL5051T-clone.7z file in selected storage (internal storage, USB storage and SD card).

Note:

If the selected storage (internal storage, USB or SD card external storage) does not contain philips/folder, the system will create it automatically.

All available storage medium are listed for user to select.



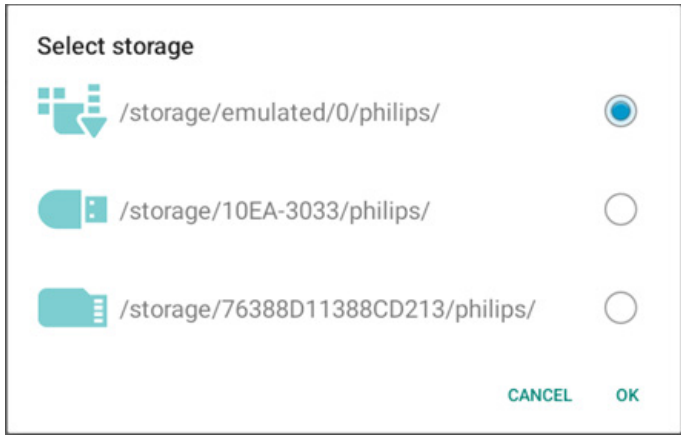
• Import Signage Display Settings

Import database data from philips/clone/10BDL5051T-clone.7z file of selected storage (internal Storage, USB storage and SD card). System imports following data in ZIP file:

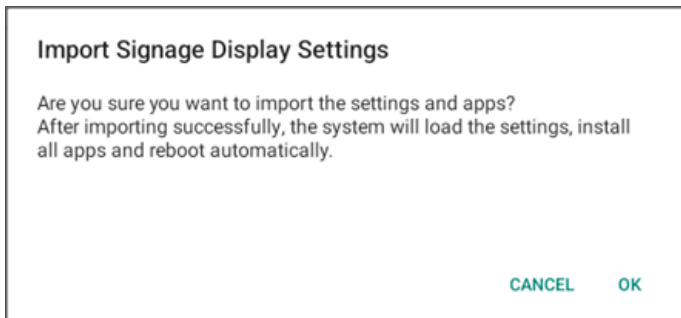
(1).Import Database in 10BDL5051T-clone.7z

(2).Import 3rd party APK in 10BDL5051T-clone.7z

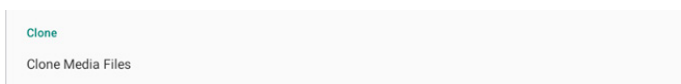
All available storage medium are listed (internal storage, USB and SD card).



A dialog box appears to ask user to confirm importing operation. Click "OK" to start importing data.



4.3.3.5.5. Clone

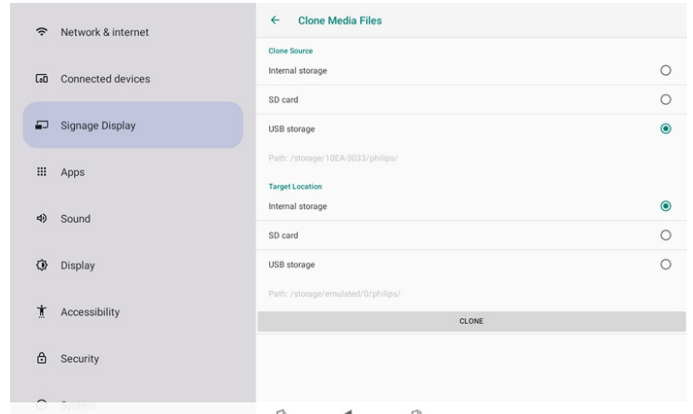


• Clone Media Files

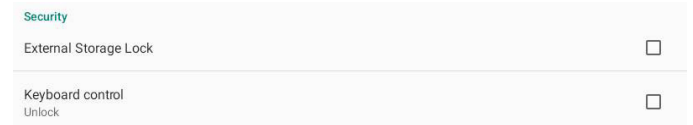
Clone media files from the selected source storage to target storage.

(1).System clone files under the following list of folder:

- a. philips/photo
- b. philips/music
- c. philips/video
- d. philips/pdf
- e. philips/browser



4.3.3.5.6. Security



• External Storage Lock

Click the checkbox to lock or unlock external storage (SD card/USB storage). Default is unlocked.

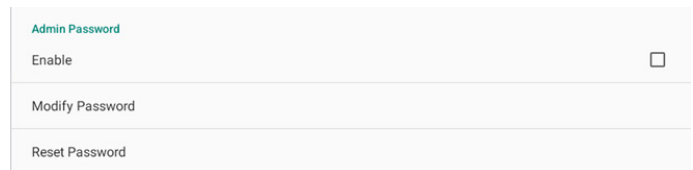
Note:

When you disable external storage lock for enable state, please unplug and plugin external storage again (for both SD card and USB storage). After that, system can detect external storage again.

• Keyboard control

Click the checkbox to lock or unlock keypad button.

4.3.3.5.7. Admin Password



• Enable

Enable or disable Admin Password. Default is disable.

- Unchecked: Disable.
- Checked: Enable.

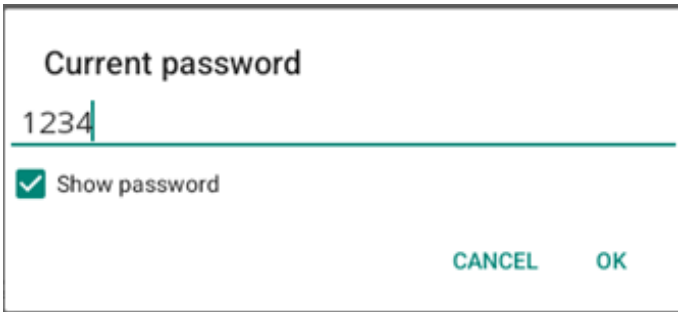
Note:

After enabling, you need password to login Admin Mode. Default password is "1234".

- **Modify Password**

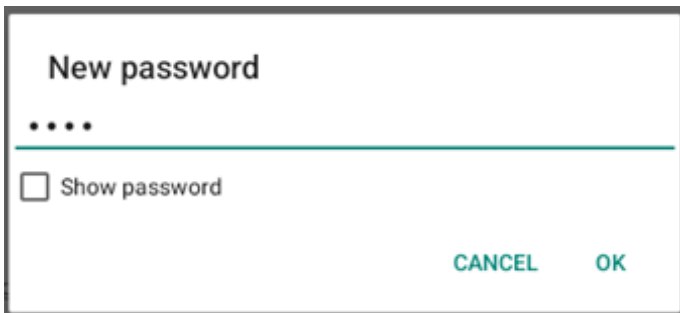
User can change the password for login Admin Mode. Follow the steps below:

- Enter the current password first. Default password is "1234".

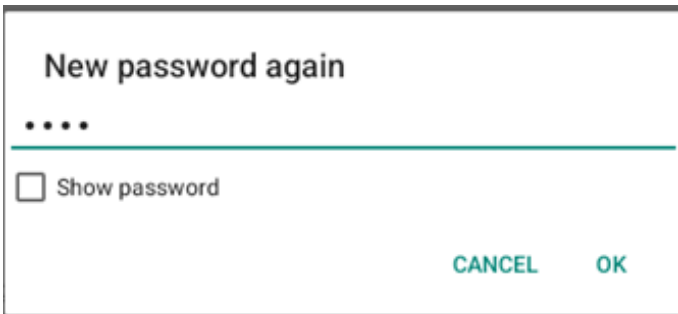


If the current password is not correct, you will see an "Incorrect password" toast message.

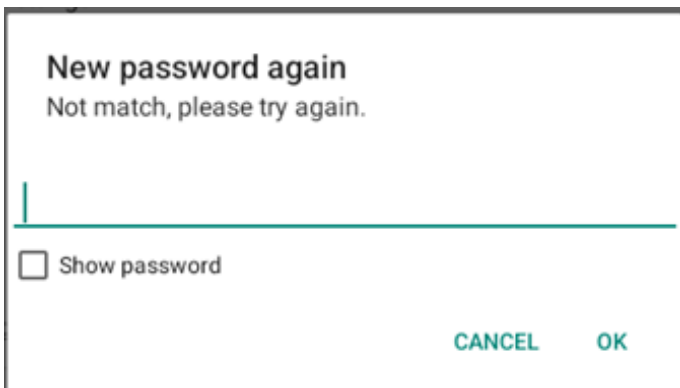
- Enter a new password.



- Enter the new password again.



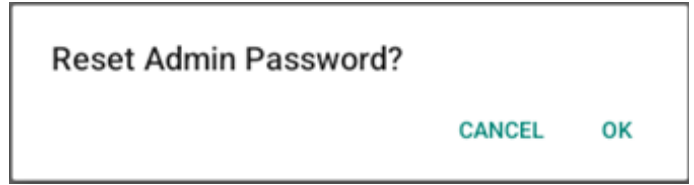
Try again if the new password is not correct.



If the password is changed successfully, you will see a "Successful" toast message.

- **Reset Password**

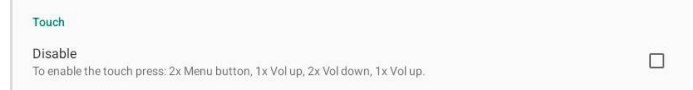
Reset the password to default "1234". If succeed, you will see a "Successful" toast message.



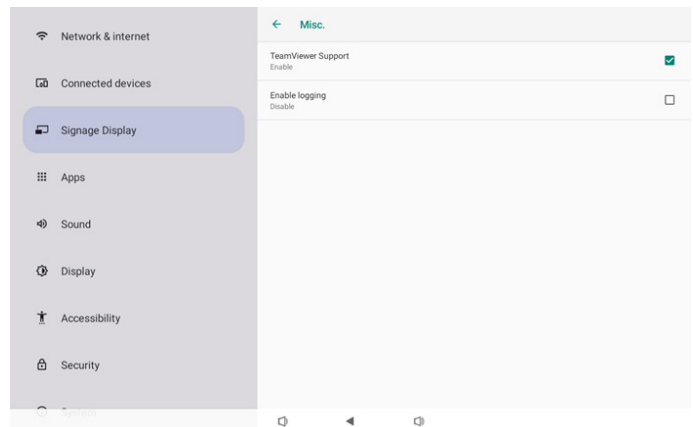
4.3.3.5.8. Touch

Click the checkbox to lock or unlock the touch screen.

To enable the touch press: 2x Menu button, 1x Vol up, 2x Vol down, 1x Vol up.

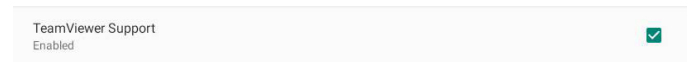


4.3.3.6. Misc.



4.3.3.6.1. TeamViewer Support

Click the checkbox to enable or disable TeamViewer support. TeamViewer will send a virtual HOME key to open Admin mode. Default is enable.



TeamViewerHost and TeamViewerQSAddOn APKs will auto install into system. Otherwise, system will remove them if user disable "TeamViewer Support".

The following two APKs will be listed list in Settings->Apps if TeamViewer support is enabled.

4.3.3.6.2. Enable logging

Enable or disable logging with checkbox.

Once enabled, PD will start logging android logcat log, kernel message and saved them into USB or internal storage automatically. The first priority is USB storage. If there are no any connected usb devices on PD, all data will then be saved into internal storage.

The saved path will be {root directory of USB storage}/ philips/ Log/10BDL5051T-Log-{ yyyy-MM-dd-HH-mm-ss }

Or {root directory of internal storage}/ philips/ Log/10BDL5051T-Log-{ yyyy-MM-dd-HH-mm-ss }

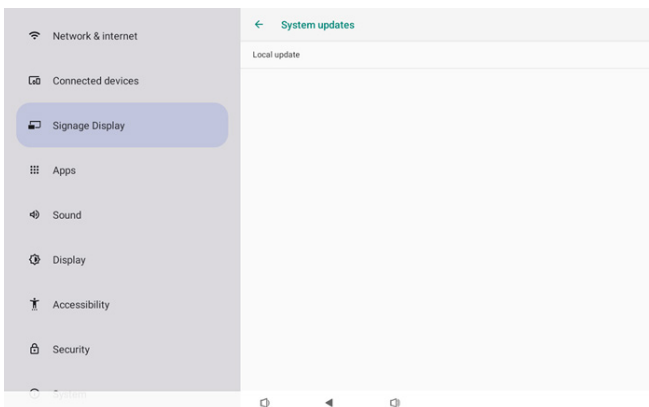
If disabling logging, all data will be saved to a zip file like {root directory of USB storage}/ philips/Log/10BDL5051T-Log-{ yyyy-MM-dd-HH-mm-ss }.zip

Or {root directory of internal storage}/ philips/ Log/10BDL5051T-Log-{ yyyy-MM-dd-HH-mm-ss }.zip

4.3.3.7. System updates

4.3.3.7.1. Local update

System will auto search "update.zip" in root folder of external storage. If system found "update.zip" in external storage, a list appears for user to select the file for an update.



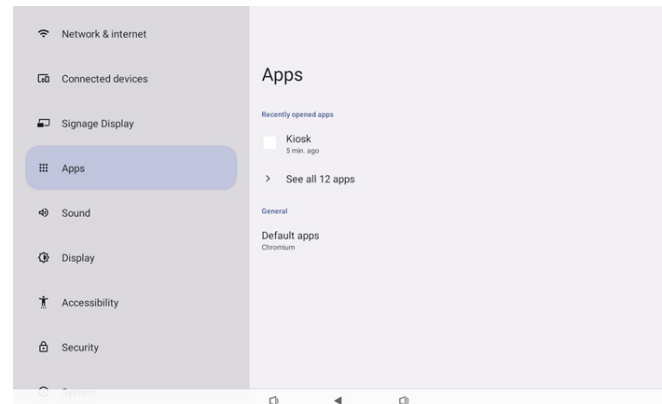
After selecting the file from the list, system will reboot and do system update.

Please note that:

1. Keep the system power alive during system update, do not remove power adapter.
2. Currently system only support full Android update.
3. The update file must be named as "update.zip" only.

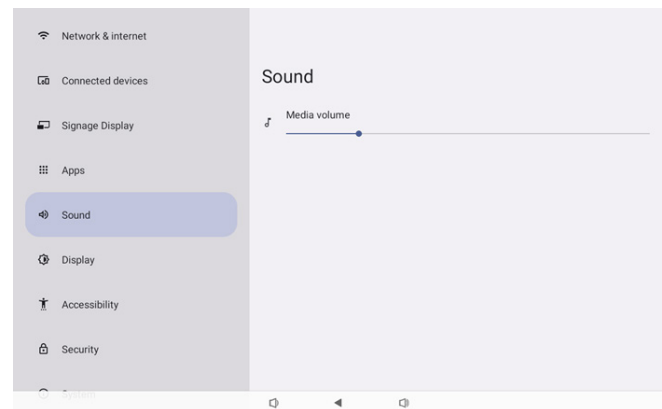
4.3.4. Apps

Display installed APKs information.



4.3.5. Sound

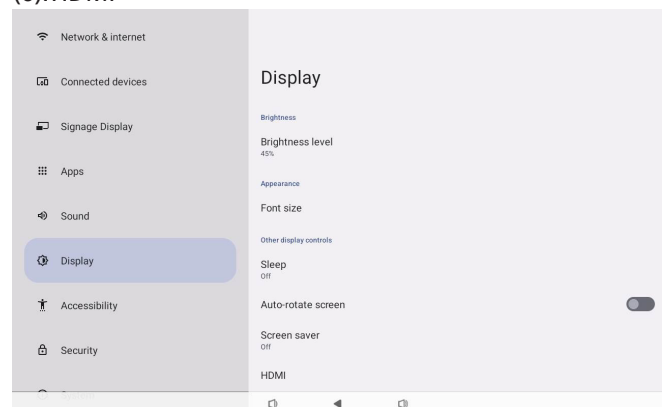
Set Volume.



4.3.6. Display

There are following features in Display.

- (1). Brightness level
- (2). Font size
- (3). Sleep
- (4). Auto-rotate screen
- (5). Screen saver
- (6). HDMI



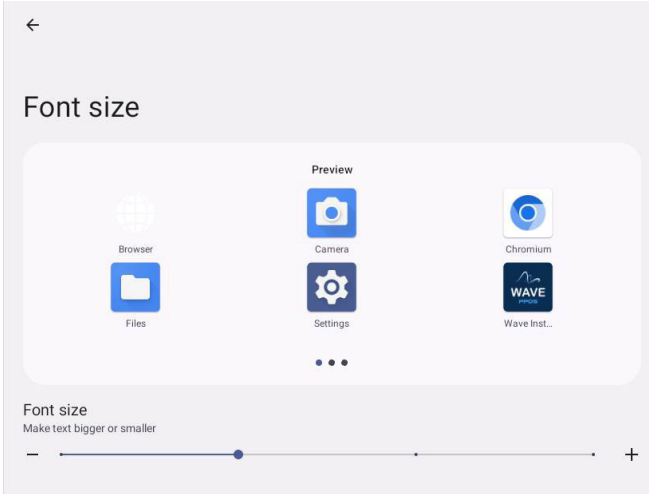
4.3.6.1. Brightness level

The adjust bar will be show on top of the screen. Drag adjust bar to set brightness.



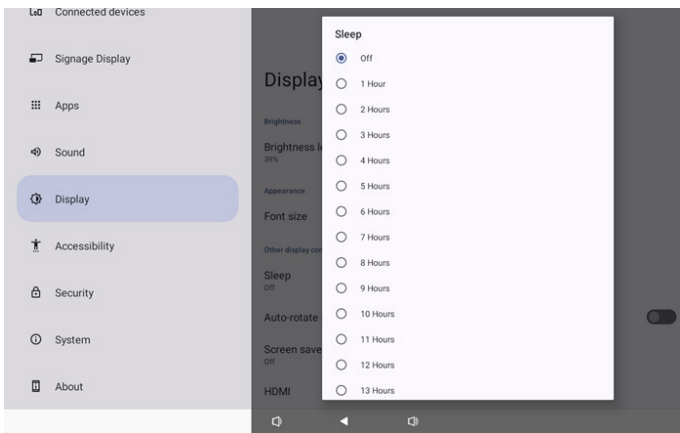
4.3.6.2. Font size

Adjust system default font size by dragging the slide bar.



4.3.6.3. Sleep

Set up the time system go into sleep. Option "off" means that system will not go into sleep, screen will always on. Default is "off".



Options are off, 1 hour to 24 hours.

If screen saver is enabled. The sleep options will be changed. Settings the time system start screen saver.

Options are off, 1 minute, 2 minutes, 5 minutes, 10 minutes and 30 minutes for screen saver is on.



4.3.6.4. Auto-rotate screen

Turn On/Off to switch the rotation settings:

1. Turn On : Rotate the contents of the screen
2. Turn Off : Stay in current orientation

User can rotate the contents of the screen if select "Rotation the contents of the screen". If user want to disable rotation, select "Stay in current orientation".



Orientation and HDMI output

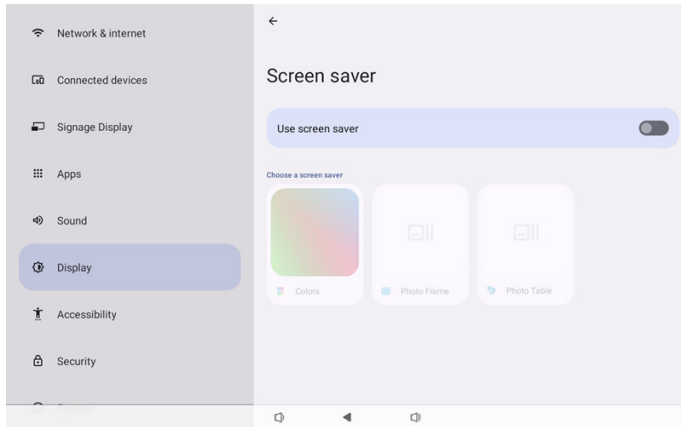
See the table below:

Orientation	Panel Output	HDMI output
Landscape		
Portrait		
Reverse Landscape		
Reverse Portrait		

4.3.6.5. Screen saver

Enable the screen saver by toggling the main switch in Settings -> Display -> Screen saver.

The user can choose a screen saver mode: Colors, Photo Frame, or Photo Table.



4.3.6.5.1. Screen saver disable

The priority of the schedule takes precedence over sleep and screen saver settings. When the schedule is activated, the sleep and screen saver settings are ignored. The system will maintain the scheduled display source until the schedule is deactivated.

When the device enters sleep mode, the keypad remains functional. Users can wake the device by pressing "menu + menu + volume- + volume-". By default, the screen is black and displays nothing. However, the admin mode can still be accessed by pressing "menu + volume-", and the quick info can be accessed by pressing "menu + volume+" while the system is sleeping. These functions will be displayed after the user wakes up the screen.

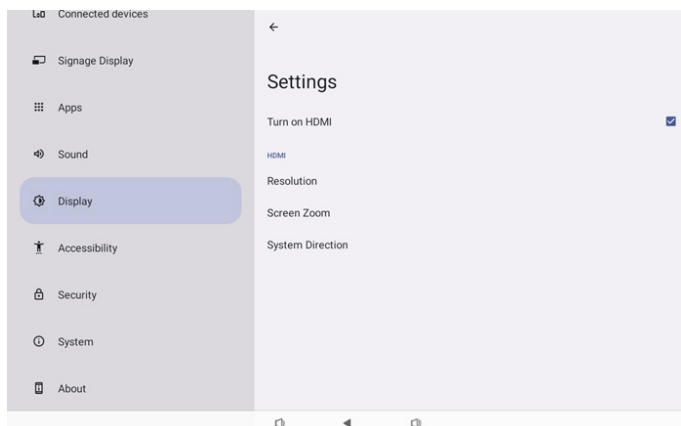
4.3.6.5.2. Screen saver enable

If the screen saver is active, simply tap the panel to exit it.

4.3.6.6. HDMI

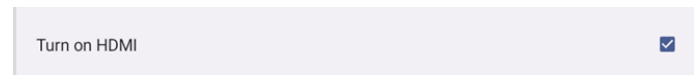
HDMI will automatically output when users connect an external monitor with an HDMI output port. Two adjustments are available for the HDMI output:

- (1). Turn on HDMI
- (2). Resolution
- (3). Screen Zoom
- (4). System Direction



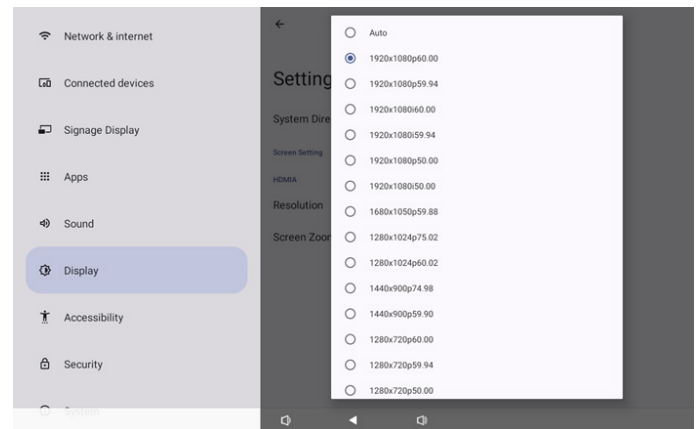
4.3.6.6.1. Turn on HDMI

Turn on/off the HDMI output.



4.3.6.6.2. Resolution

Set the HDMI output resolution. The supported resolutions for the HDMI monitor will be displayed in the selection dialog. Depending on the monitor's EDID, the resolution list may vary for different monitors. Please note that the output content matches the panel content, so the content will be scaled up or down to fit the HDMI output resolution. The optimal resolution for the panel is 1920x1080. The content resolution will remain unchanged even if the user changes the HDMI output resolution.



4.3.6.6.3. Screen Zoom

Zoom in or out of the HDMI output screen by pressing "DOWN" or "UP" to adjust the vertical size, and "RIGHT" or "LEFT" to adjust the horizontal size.



4.3.6.6.4. System Direction

User can fix device rotation screen content and HDMI output direction.

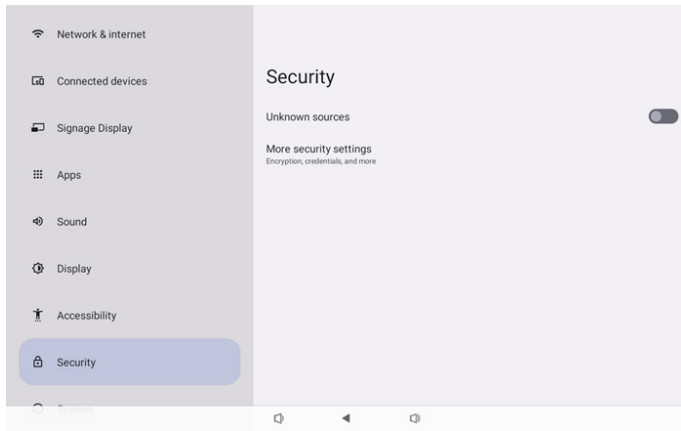


4.3.7. Accessibility

Accessibility services are apps that can help users with disabilities or special needs to interact with their Android device more easily.

In the Downloaded apps menu, you can view all the accessibility apps that are installed on the device, and enable or disable them as needed. You can also access the settings for each individual accessibility app by tapping on its name in the list.

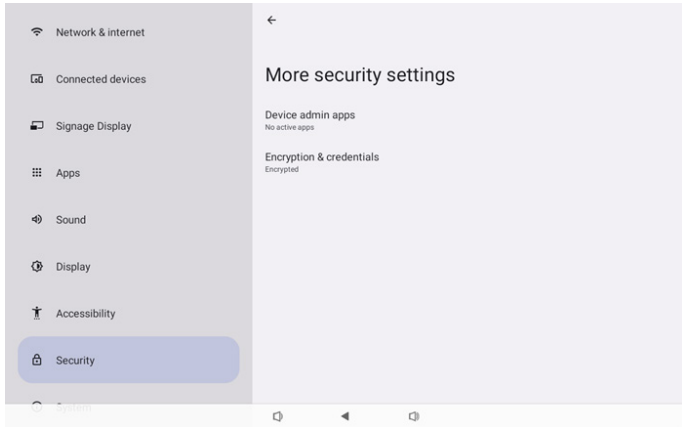
4.3.8. Security



4.3.8.1. Unknown sources

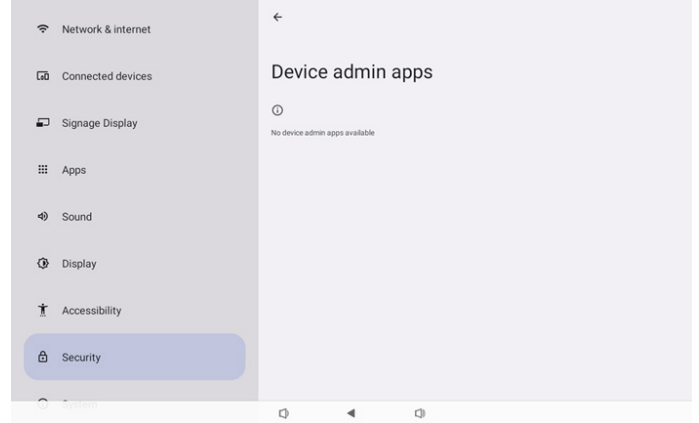
Allowing app installs from Unknown Sources in Android.

4.3.8.2. More security settings



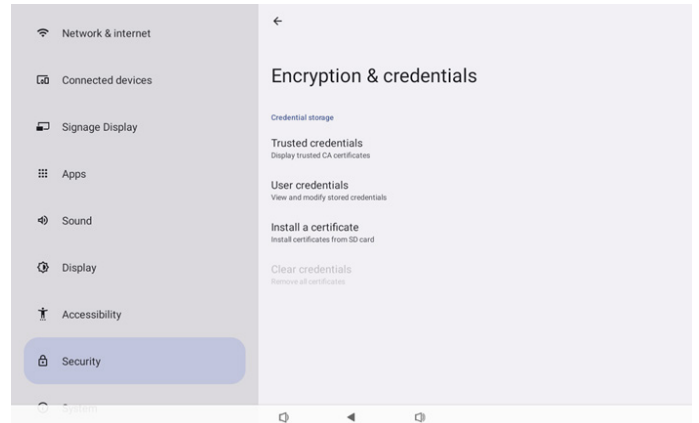
4.3.8.2.1. Device admin apps

A list showing the app that supports admin-related operations and controls.



4.3.8.2.2. Encryption & credentials

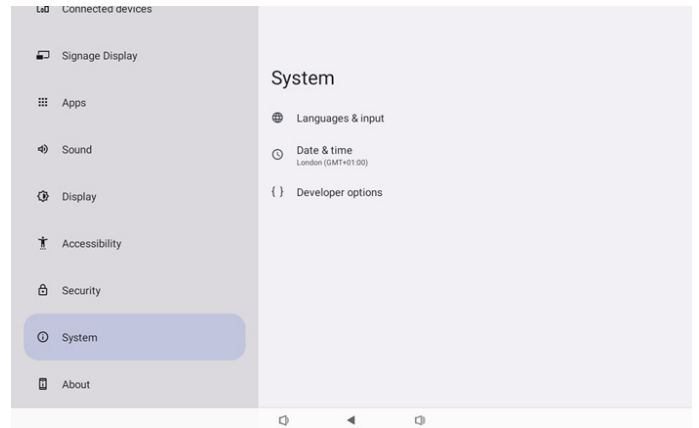
This will display a list of all trusted certificates on the device. User can install/uninstall certificates by themselves.



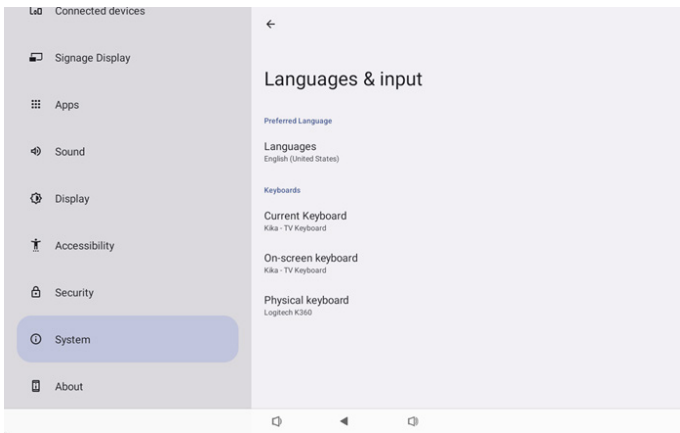
4.3.9. System

Following list will be show in Settings -> System

- (1). Languages & input
- (2). Date & time
- (3). Developer options



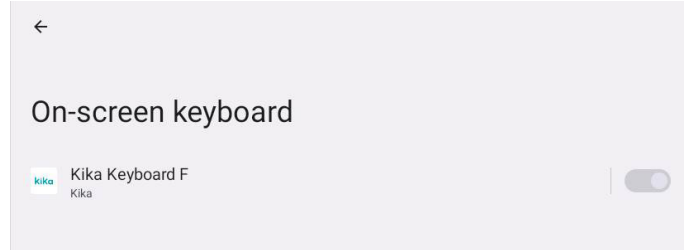
4.3.9.1. Languages & input



(2). On-Screen keyboard

Let user sets default software IME (Virtual keyboard) and control detail IME settings.

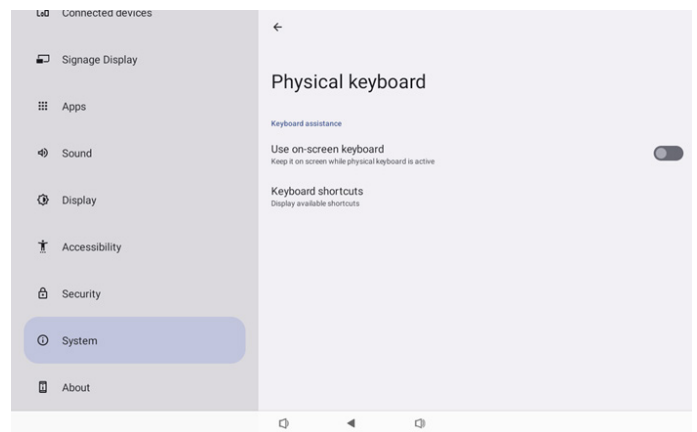
The Japanese IME will be installed automatically when user select Japanese language in OOBE.



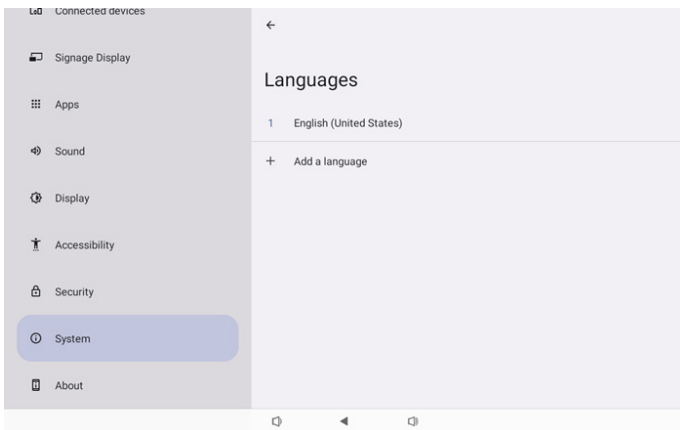
(3). Physical keyboard

Let user controls physical keyboard and detail keyboard settings.

The "uinput-key" is system level keyboard for remote control; it will always be present on the keyboard list.



4.3.9.1.1. Language

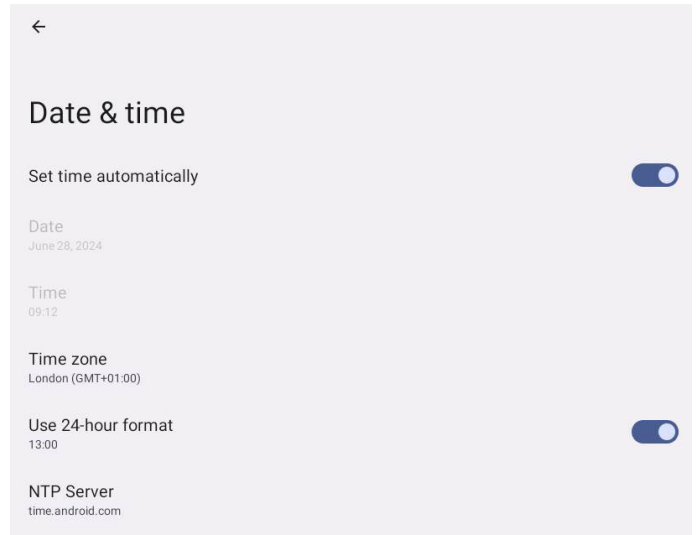


4.3.9.2. Date & Time

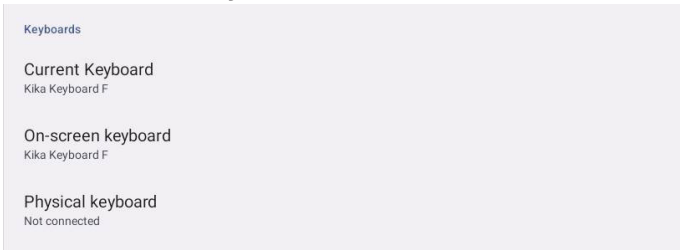
User can set date/time, adjust time zone and NTP server.

If "Set time automatically" is on, the system will get date and time from NTP server. If "automatic data & time" is disabled, user can change date and time through "Set date" and "Set time".

User can adjust time zone in "Time zone" and alter the 24-hour format to "1:00 PM" or "13:00".

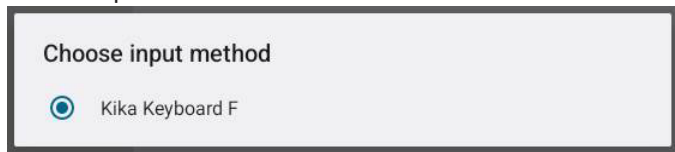


4.3.9.1.2. Keyboards



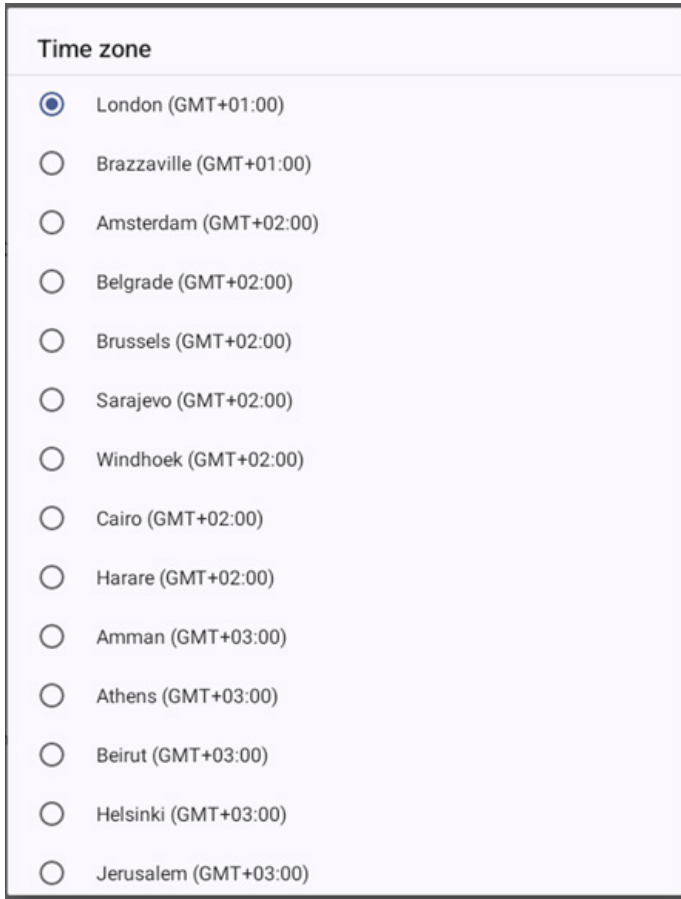
(1). Current Keyboard

Choose input method.



4.3.9.2.1. Time zone

Let user chooses the time zone



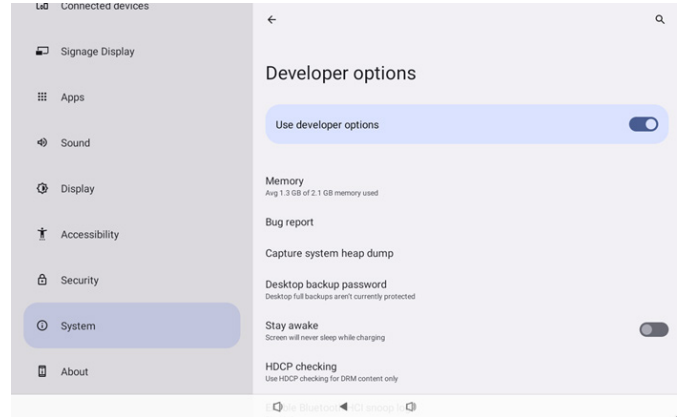
4.3.9.2.2. NTP Server

Let user edits the NTP server in the prompted dialog.



4.3.9.3. Developer options

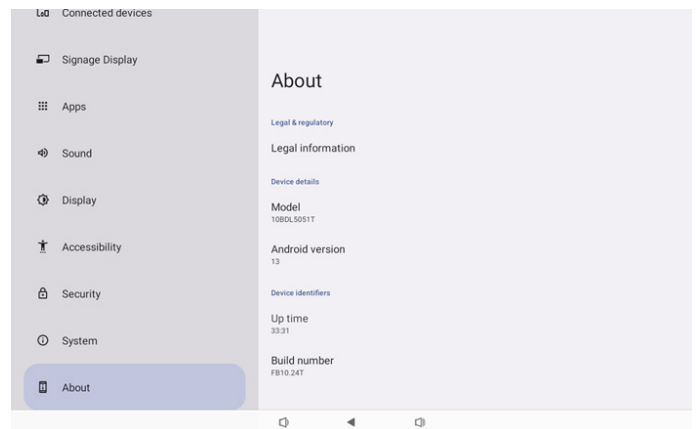
Android system developer options for engineer development.



4.3.10. About

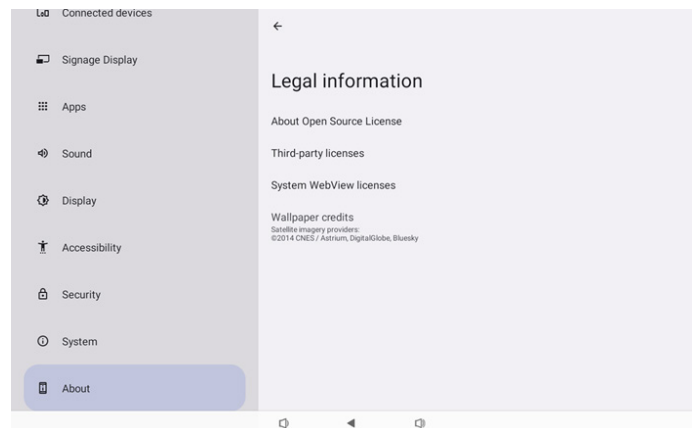
Following information shows in about page:

- (1). Legal information
- (2). Model
- (3). Android version
- (4). Up time
- (5). Build number

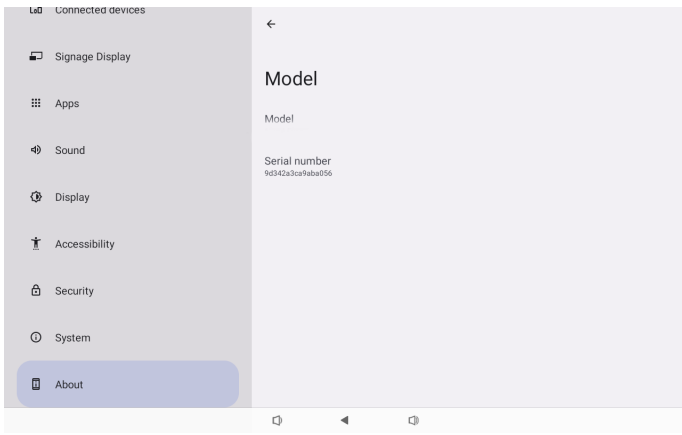


4.3.10.1. Legal Information

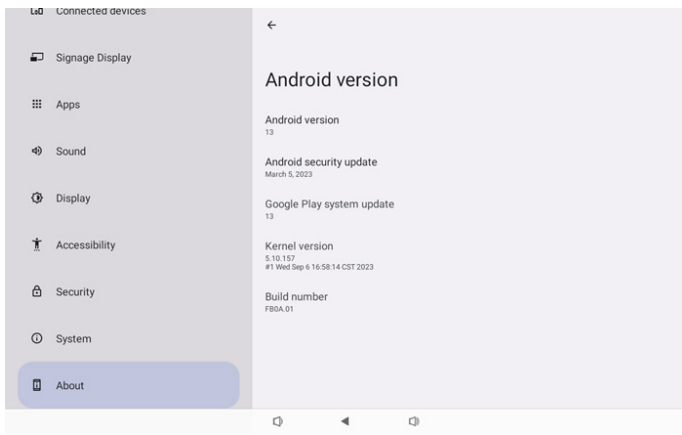
List all open source projects legal information and licenses here.



4.3.10.2. Model



4.3.10.3. Android version



5. Appendix

5.1. Advanced features

(1). Install custom APK

You can use file-manager apk to install it. Please use key combination "Power+ Volume-" to enter "launch admin mode" page.

click all app -> launch file manager app -> choose the apk to install

(2). Use the LED strips

Only SICP commands can control the LED strips ON/OFF and colors.

* SICP commands for controlling Side LED strips

Message-Set

Use this command to simultaneously switch on/off LED strips as shown above and set color based on R, G, and B values.

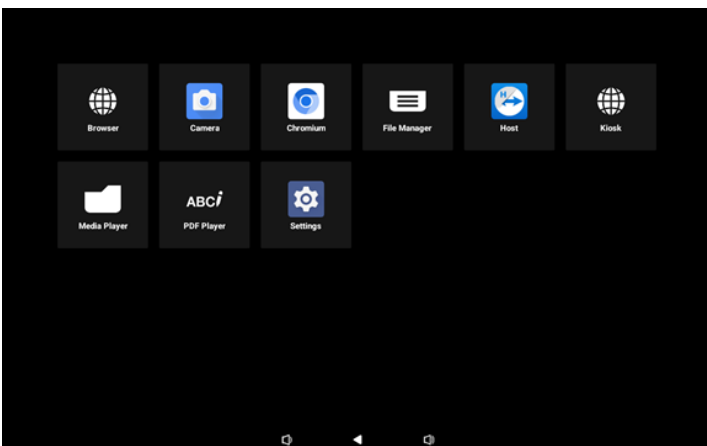
Bytes	Bytes Description	Bits	Description
DATA[0]	0xF3=Set		Command to set LED STRIPS ON/OFF and Choose color
DATA[1]	Light up status		0x00=off, 0x01=on
DATA[2]	Red value		Valid Values range from 0x00~0xFF only if DATA[1]=0x01
DATA[3]	Green value		Valid Values range from 0x00~0xFF only if DATA[1]=0x01
DATA[4]	Blue value		Valid Values range from 0x00~0xFF only if DATA[1]=0x01

* Led colors

	LED Behavior
Power LED	1. Power LED is amber when power is connected.
R/L LED strips	1. Default is OFF. 2. Only SICP commands can turn ON/OFF and set colors on side LED strips.

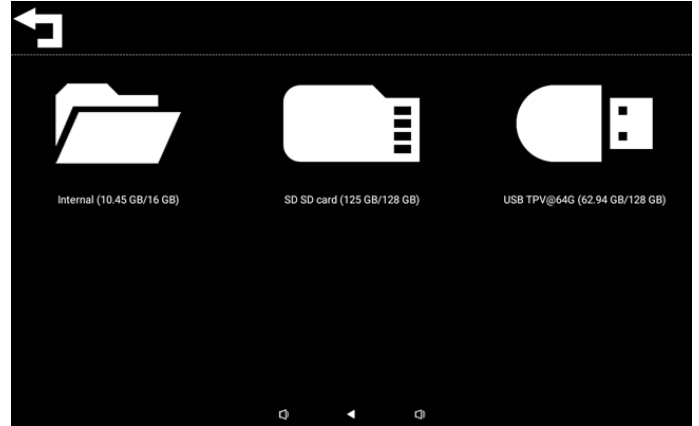
(3). Use the camera

Use the key combination "Menu+ Volume-" to enter "launch admin mode", click "all app" launch camera app.



5.2. File manager app

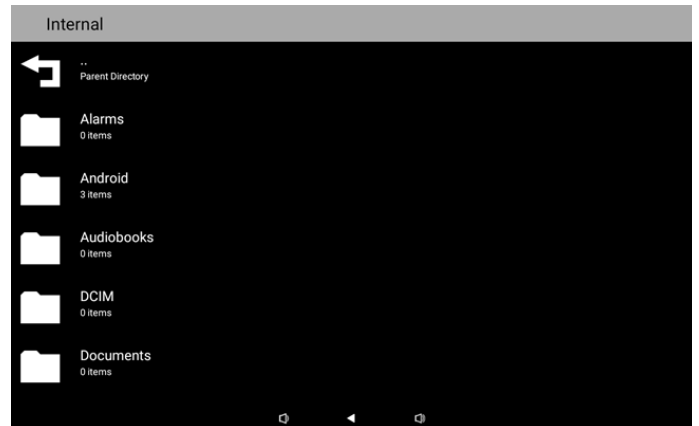
1. The purpose of this software is to offer file browsing, copying, moving, and installing apps, but it cannot ensure that all files can be opened.
2. Home page will list internal storage, SD card and USB storages. The external storage device must be named in English or by UTF-8.



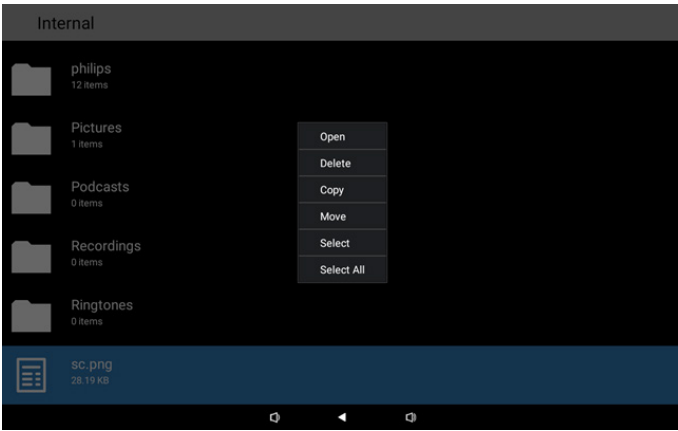
NOTE:

To ensure the system operates normally, it is necessary to reserve 20MB of space within the internal storage.

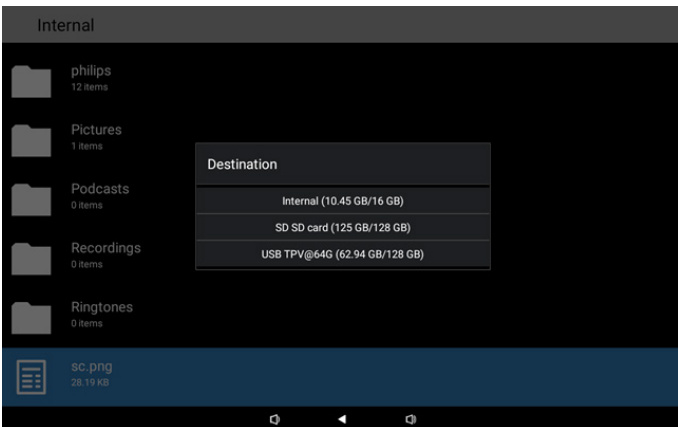
3. Press OK key to select storage, it will list the folder(s) and file(s). You can press back key or select the top item of list to return to the parent directory.



4. Press OK key at a folder or file, it will popup option dialog.
 - Open: open folder or file.
 - Delete: delete folder or file.
 - Copy: copy folder or file.
 - Move: move folder or file.
 - Select: select folder or file to do action.
 - Select All: select all items of this page to do action.



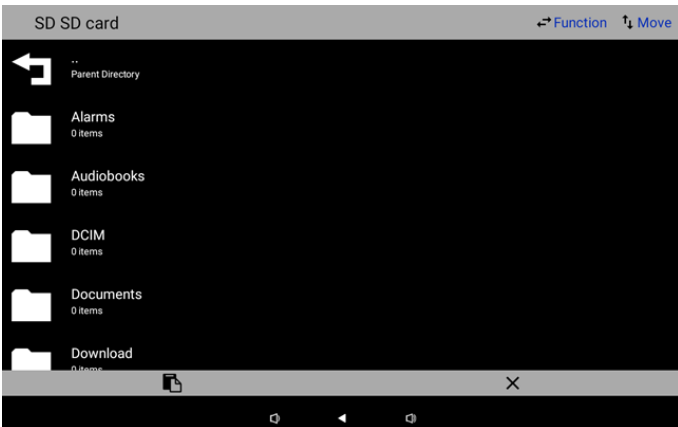
5. Select Copy or Move option, it will popup destination dialog.



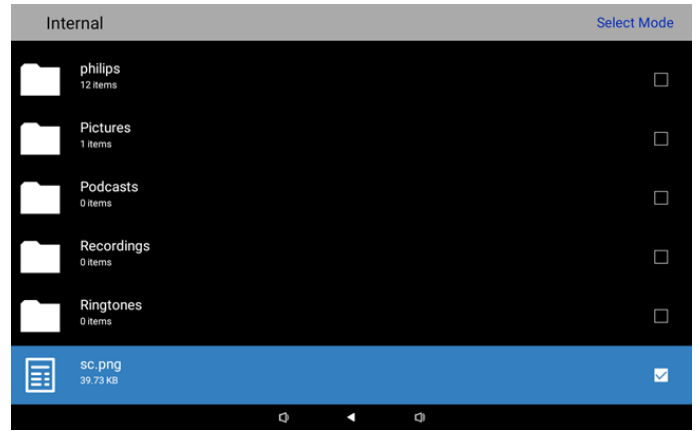
6. Select target storage, the bottom of screen will show function bar. Press up or down key to move to the destination, press left or right key to select the function.



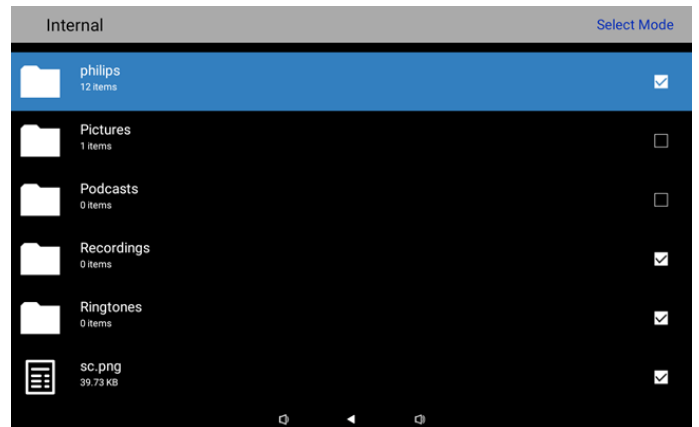
If the focus bar is a folder, the content will be pasted into it.



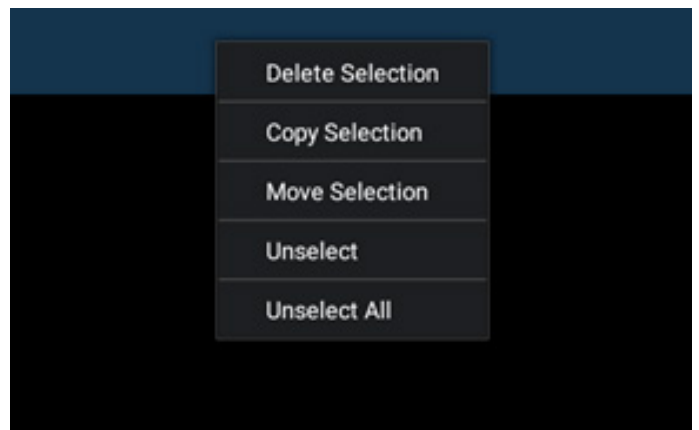
7. Press Select or Select All option, it will turn on the Select Mode.



8. In Select Mode, press up or down key to move and press OK key to select multiple items.



9. Press OK key at selected item, it will popup option dialog.
- Delete Selection: delete the selected folder(s) or file(s).
 - Copy Selection: copy the selected folder(s) or file(s).
 - Move Selection: move the selected folder(s) or file(s).
 - Unselect: unselect the selected folder(s) or file(s). Unselect the last selected item, it will turn off the Select Mode.
 - Unselect All: unselect all of the selected folder(s) or file(s). It will turn off the Select Mode.



6. Cleaning and Troubleshooting

6.1. Cleaning

Caution When Using the Display

- Be sure to disconnect all cables before moving the monitor. Moving the monitor with its cables attached may damage the cables and thus cause fire or electric shock.
- Disconnect the power plug from the wall outlet as a safety precaution before carrying out any type of cleaning or maintenance procedure.

Front Panel Cleaning Instructions

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

Cabinet Cleaning Instructions

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

Clean your machine

If you find dirt on the glass surface during use, use a wet paper towel (to avoid dripping water) to wipe it once, and then wipe it with a dry towel (dry paper towel).

6.2. Troubleshooting

Symptom	Possible Cause	Remedy
No picture is displayed	<ol style="list-style-type: none"> 1. The adapter is disconnected. 2. The monitor is in the standby mode. 	<ol style="list-style-type: none"> 1. Make sure that the power LED is green. Or plug in the adapter. 2. Press Menu + Menu + Volume- + Volume- to turn on the screen.
HDMI output is abnormal	<ol style="list-style-type: none"> 1. HDMI cable is not connected properly. 2. The external device is abnormal. 	<ol style="list-style-type: none"> 1. Make sure that the HDMI cables are attached firmly. 2. Make sure that the external device is in good condition.
Micro USB HOST & Type A USB HOST & LAN interface is abnormal	<ol style="list-style-type: none"> 1. USB cable or output device is abnormal. 2. The cable is not connected properly. 	<ol style="list-style-type: none"> 1. Make sure that the USB cable and output device are in good condition. 2. Make sure that the cable is connected properly, and that the RJ45 interface LED is green.
Can't detect the USB device and SD card	The settings for USB device and SD card are disabled.	Press the "MENU" button, choose "setting" to enable the function.
The display looks normal but the touch function doesn't work	The touch function is disabled.	Press "Menu + Menu + Volume+ + Volume- + Volume- + Volume+" to enable the touch function.

7. Technical Data

7.1. Specifications

Display:

Item	Specifications
Screen Size	10.1"
Number of pixels	1280 (H) x 800 (V)
Brightness (typical)	310 cd/m ²
Viewing angle	160/160

In/Out Terminals:

Item	Specifications	
Input Signal	VIDEO	HDMI x1 (with HDCP)
	LAN	RJ45 Ethernet port
Output Signal	VIDEO	HDMI x1
	AUDIO	Earphone out
Internal Speaker	2W + 2W	
Touch panel	Yes (Capacitive 10 points)	
USB Multi Media Function	Yes	
Camera	2M	
Local storage	16 GB eMMC with Micro SD card expansion slot	

General:

Item	Specifications
Power requirement	12V 2.0A DC 802.3at compliance PoE, power over Ethernet
Power Consumption (Max)	18 W
Dimensions [W x H x D]	262.2mm x 165.2mm x 24.95mm
Weight	0.809 Kg

Environmental Condition:

Item	Specifications
Temperature	Operational 0 - 40°C
Humidity	Storage 10 - 85% RH (No condensation)

7.2. Disclaimer

Image Retention Disclaimer

When an image is monitored on-screen for prolonged periods of time, you may see a faint image after it is replaced. This is an expected normal behavior for monitors.

Image retention may be reduced by:

- * Avoiding still images shown on-screen for more than a few minutes
- * Using non-contrasting colors and brightness
- * Using background colors other than gray

Warranty policy for Philips Professional Display Solutions

Thank you for purchasing this Philips product. Philips products are designed and manufactured with high standards and deliver high quality performance, ease of use and ease of installation. If you encounter any difficulties while using your product, we recommend that you first consult the user manual or the information in the support section of the website, where (depending on the product type) you may find a downloadable user manual, frequently asked questions, instruction videos or a support forum.

LIMITED WARRANTY

In the unlikely event the product requires service, we will arrange for your Philips product to be serviced free-of-charge within the warranty period, provided that the product was used in accordance with the user manual (e.g. in the intended environment).

For these product categories, a partner company of Philips is the warrantor of the product. Please check the documentation supplied with your product.

WHO IS COVERED?

Your Warranty coverage begins from the first date of purchase of the product. You need to provide proof of purchase to receive warranty service. A valid sales receipt or other valid document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

If any defect due to faulty materials and/or workmanship occurs within the warranty period, we will make arrangements for a free of charge service. Where a repair is not possible or not commercially viable, we may replace the product with a new or equivalent refurbished product with similar functionality. Replacement will be offered at our discretion and the warranty will continue from the date of original purchase of the first date of purchase of the product. Please note that all parts, including repaired and replaced parts, are covered only for the duration of the original warranty period.

WHAT IS EXCLUDED? Your warranty does not cover:

- Consequential damages (including but not limited to loss of data or loss of income), nor compensation for activities done by yourself, such as regular maintenance, installing firmware updates or saving or restoring data (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of various types of external devices (e.g., WiFi, antenna, USB dongles, OPS type devices) and other systems outside of the product.
- Reception problems caused by signal conditions or cable or antenna systems outside the unit.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- If the model or production number on the product has been altered, deleted, removed or made illegible.

The warranty applies on condition that the product has been handled properly for its intended use and in accordance with the operating instructions

To Obtain Warranty Service And Information

For detailed warranty coverage information and additional support requirement and help line, please contact the seller and/or system integrator you purchased the product from. Please note in the USA, this limited warranty is only valid for Products purchased in the Continental United States, Alaska, and Hawaii.

Before Requesting Service

Please check your user's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

WARRANTY PERIOD

Warranty period for PHILIPS signage display is listed as below, for areas not covered in this table, please follow their warranty statement.

Standard warranty period for PHILIPS signage display is listed as below, for areas not covered in this table, please follow the local warranty statement.

Region	Standard Warranty Period
USA, Canada	3 years
China	3 years
Japan	3 years
Rest of world	3 years
Mexico	3 years
Brazil	3 years
Chile	3 years
Peru	3 years

Note that for professional products, the specific warranty terms of the sale- or purchase agreement may apply.

Index

A

Advanced features 40
Android Launcher 16
Appendix 40

C

Cleaning 42
Cleaning and Troubleshooting 42

D

Disclaimer 43

F

File manager app 40

I

Input/Output Terminals 12
Installation 8

L

Left View 11

O

Operation 13

P

Package Contents 7
Physical view and features 11

S

Safety Instructions 1
Setting menu 18
Setup wizard 13
Specifications 43

T

Technical Data 43
Troubleshooting 42

U

Unpacking and Installation 7

W

Warranty policy for Philips Professional Display Solutions
44



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Specifications are subject to change without notice.

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