

205 Westwood Ave, Long Branch, NJ 07740 Phone: 866-94 BOARDS (26273) / (732)-222-1511 Fax: (732)-222-7088 | E-mail: sales@touchboards.com

# PHILIPS 10BDL3051T V1.00



User Manual (English)

#### Safety Instructions

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.

#### Warnings



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 computer monitor.

#### Operation

• Keep the monitor out of direct sunlight and away from stoves or any other heat source.

- Remove any object that could fall into ventilation holes or prevent proper cooling of the monitor's electronics.
- Do not block the ventilation holes on the cabinet.
- When positioning the monitor, make sure the power plug and outlet are easily accessible.

• If turning off the monitor by detaching the power cable or DC power cord, wait for 6 seconds before attaching the power cable or DC power cord for normal operation.

• Please use approved power cord provided by Philips all the time. If your power cord is missing, please contact

with your local service center. (Please refer to Customer Care Consumer Information Center)

- Do not subject the monitor to severe vibration or high impact conditions during operation.
- · Do not knock or drop the monitor during operation or transportation

#### Maintenance

To protect your monitor from possible damage, do not put excessive pressure on the LCD panel. When moving your monitor, grasp the frame to lift; do not lift the monitor by placing your hand or fingers on the LCD panel.

Unplug the monitor if you are not going to use it for an extensive period of time.

Unplug the monitor 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 monitor.

To avoid the risk of shock or permanent damage to the set, do not expose the monitor to dust, rain, water, or excessive moisture environment.

If your monitor gets wet, wipe it with dry cloth as soon as possible.

If foreign substance or water gets in your monitor, please turn the power off immediately and disconnect

the power cord. Then, remove the foreign substance or water, and send it to the maintenance center.

Do not store or use the monitor in locations exposed to heat, direct sunlight or extreme cold.

In order to maintain the best performance of your monitor and use it for a longer lifetime, please use the monitor in a location that falls within the following temperature and humidity ranges.

Temperature: 0-40°C 32-95°F

Humidity: 10-85% RH

#### **IMPORTANT:**

Always activate a moving screen saver program when you leave your monitor unattended.

Always activate a periodic screen refresh application if your monitor will monitor unchanging static content. Uninterrupted monitor of still or static images over an extended period may cause "burn in", also known as"after-imaging" or "ghost imaging", on your screen. "Burn-in", "after-imaging", or "ghost imaging" 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. The damage mentioned above is not covered under your warranty.

#### Service

\* The casing cover should be opened only by qualified service personnel.

\* If there is any need for any document for repair or integration, please contact with your local service center.

(Please refer to the chapter of "Consumer Information Center")

\* For transportation information, please refer to "Technical Specifications".

\* Do not leave your monitor in a car/trunk under direct sun light.

#### Note

Consult a service technician if the monitor does not operate normally, or you are not sure what procedure to take when the operating instructions given in this manual have been followed.

#### Europe – EU Declaration of Conformity

This device complies with the essential requirements of the Radio Equipment Directive (2014/53/EU). The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the Radio Equipment Directive(2014/53/EU):

- EN60950-1

Safety of information Technology Equipment

- EN62311

Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields(0HZ-300GHz)

-EN 300328(For 802.11b/g/n)

Electromagnetic compatibility and Radio spectrum Matters(ERM); Wideband Transmission systems; Data transmission equipment operating in the 2.4GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

-EN301489-17

Electromagnetic compatibility and Radio spectrum Matters(ERM); Electromagnetic Compatibility(EMC) standard for radio equipment and services; Part 17:Specfic conditions for 2.4GHz wideband transmission systems and 5GHz high performance RLAN equipment

-EN301489-1

Electromagnetic compatibility and Radio spectrum Matters(ERM); Electromagnetic Compatibility(EMC)

standard for radio equipment and services; Part 1:Common technical requirements 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.

#### Warning:

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

#### **ESD Warnings:**

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

#### 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 part15 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 monitor when connecting this monitor 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.

#### USA:

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

**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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the

equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/panel PC technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

#### Canada:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC, IC& CE RF Radiation Exposure Statement Caution: To maintain compliance with the FCC, IC& CE's RF exposure guidelines, place the product at least 20cm from near by persons.Le présent document IC, FCC brouilleur fixaient un rayonnement incontrôlée. Installation et mise en œuvre de ce matériel devrait avec échangeur distance minimale entre 20cm & ton corps.

The suitable temperature for the Colour Monitor and accessories is  $0^{\circ}C-45^{\circ}C$ . Adaptor with ferrite must be used with this equipment to ensure compliance with the Class A FCC limits. Power Adapter information: Model No.: KSASB0241200150D5 INPUT: 100-240V~50/60Hz 0.6A OUTPUT: 12V 1.5A

#### Waste Electrical and Electronic Equipment-WEEE

#### Attention users in European Union private households



Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

#### 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 Monitor contains several materials that can be recycled for new users.

Please dispose of according to all Local, State, and Federal laws.

# Contents

1.Unpacking and Introduction	1
1.1. Unpacking	1
1.2. Package contents	1
1.3. Installation	1
2. Physical view and features	3
2.1 Front View	3
2.2 Top View	3
2.3 Rear View	4
2.4 IO Port	5
3. Operation	6
3.1 Setup wizard	6
3.1.1 Setup wizard flow:	6
3.1.2 Welcome	6
3.1.3 Network Setting	7
3.1.4 Signage Display Settings	8
3.1.5 Clone Media Files into internal	9
3.1.6 Setup Complete	9
3.2 Android Launcher	9
3.2.1. Platform launcher	9
3.2.2. Admin mode:	9
3.3 Setting menu	11
3.3.1 Setting	11
3.3.2 Wi-Fi	11
3.3.3 Ethernet	11
3.3.4 Bluetooth	12
3.3.5 More	12
3.3.6 Signage Display	12
3.3.7 System Tools	24
3.3.8 Sound	26
3.3.9 Display	26
3.3.10 HDMI	27
3.3.11 Storage	28
3.3.12 Apps	28
3.3.13 Language	28
3.3.14 Date & Time	28
3.3.15 Developer options	29
3.3.16 About	29
3.3.17 Appendix	29
4. USB device compatibility	32
5. Cleaning and Troubleshooting	

5.1. Cleaning	33
5.2 Troubleshooting	34
6. Technical Data	34
6.1 Specifications	34
6.2. Disclaimer	35

# **1.Unpacking and Introduction**

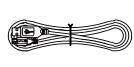
#### 1.1. Unpacking

- \* 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.

#### **1.2. Package contents**











**Color Monitor** 

Quick Start Guide

USB Cable

HDMI Cable

Silicon Foot





Stand Bar



DC Power adapter

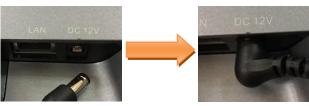
Power Plug (Provide by regions)

- \* Differences according to regions.
- \* Monitor design and accessories may differ from those illustrated above.

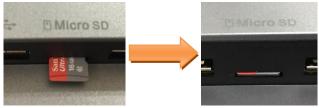
#### **1.3. Installation**

#### Securing the power and network cable

#### 1 Insert power plug



#### 2 Securing Micro SD card: Insert SD card bracket



#### Installing the table stand

Step1 Release the back cover screw to release back cover.

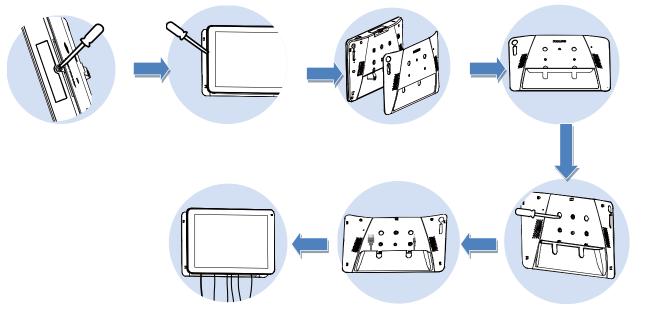
Step2 Open the back cover with disassemble tool.

Step3 Separate the back cover from main device.

Step4 Stick the silicon gaskets on back cover.

Step5 Install back cover thread head height not exceed 3mm.

Step6 Route power and network cable from bottom, insert signboard before mount signboard on back cover.



#### Mounting and installation



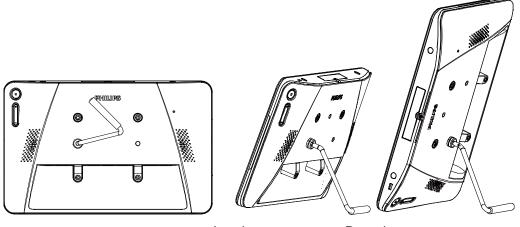
#### Mounting Option 1: [VESA mount] f

Supporting VESA standard: VESA MIS-D75 (75\*75mm) Supporting screw: M4\*4mm (exclude the mounting plate thickness)

#### Mounting Option 2: [Using back cover]

Supporting screw: Self-tapping screw\*3pcs(exclude the mounting plate thickness)

Simply screw the supplied table stand onto the stand screw hole.



#### Landscape

Portrait

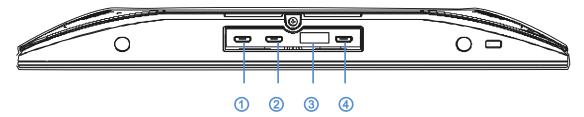
# 2. Physical view and features

#### **2.1 Front View**



 Front Camera 2M
 RGB LED(Left & Right) Default: OFF Use SICP to turn On and set RGB

#### 2.2 Top View



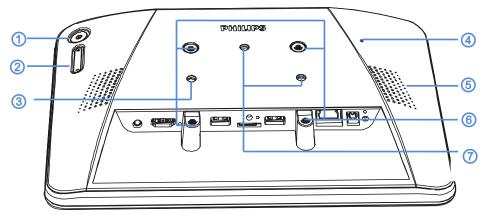
#### ① - ② [Host USB]

Micro USB, Support USB external device.

- **③** Expansion Port(Reserved)
- (4) Micro USB

Support ADB data transmission, don't support OTG.

#### 2.3 Rear View



#### 1 [Menu] Button

#### ② [Volume +/-]

Volume up and down

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

#### ③ [Stand screw hole]

#### (4) [Reset] Button

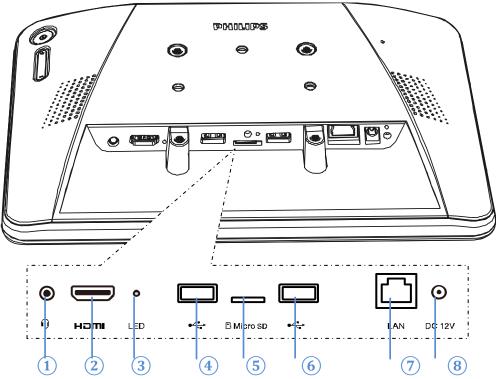
Factory Reset

- (5) [Speaker Hole]
- 6 [WESA mount]

Screw spec:M4

(7) [Wall Mount Screw Hole]

#### 2.4 IO Port



#### 1 [Ear jack]

3.5mm Ear Jack(CTIA standard) with mic in

#### 2 [HDMI OUT]

HDMI video/audio output

#### 3 [LED]

power on --> LED change to yellow after 5s --> LED change to Green when PHILIPS LOGO appear.

#### (4+6) [Micro USB]

Support USB external device.

#### (5) [Micro SD]

Connect your Micro SD card.

#### 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

#### ⑧ [DC 12V]

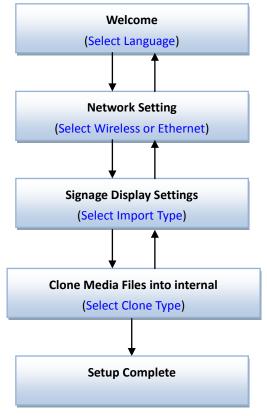
Switch the AC adapter on/off

### 3. Operation

#### 3.1 Setup wizard

3.1.1 Setup wizard flow:

#### Android Setup Wizard



#### PS:

(1)The default of Navigation bar is "enable". You can see it through all setup wizard flow.

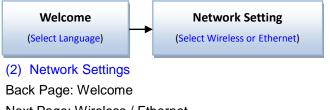
(2)Only the 1st time you enter Android mode will go to setup wizard.

(3)Do Factory reset in Android mode, it will run setup wizard again.

#### Switch forward/backward among pages

#### (1) Welcome

#### Start: Network Settings



Next Page: Wireless / Ethernet

Skip Page: Signage Display Settings

Network Settings (Select Wireless or Ethernet)



#### (2-1) Sub Page

Wi-Fi Back Page: Network Settings Next Page: Signage Display Settings Ethernet Back Page: Network Settings Next Page: Signage Display Settings

#### (3) Signage Display Settings

Back Page: Network Settings Next Page: Import from SD / Import from USB / Manual Setup Skip Page: Clone Media Files into internal

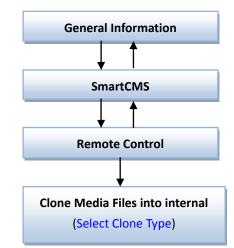




#### (3-1) Manual Setup

(Select Import Type)

Back Page: Signage Display Settings



#### (4) Clone Media Files into internal

Back Page: Signage Display SettingsNext Page: Setup CompleteSkip Page: Setup Complete(5) Setup Complete

Finish: go to boot on source.

#### 3.1.2 Welcome

Select the language and click "Start" to start settings.

The default of the Navigation bar is "enable". So you can see it in the bottom.



#### (1) Support Language

We support 18OSD languages.

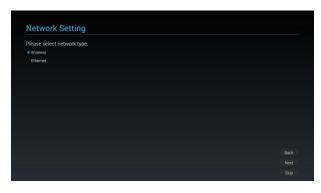
No	Support Language
1	ENGLISH
2	GERMAN
3	SIMPLIFIED CHINESE
4	FRENCH
5	ITALIAN
6	SPANISH
7	RUSSIAN
8	POLSKI
9	TURKISH
10	TRADITIONAL CHINESE
11	JAPANESE
12	PORTUGUESE
13	ARABIC
14	DANISH
15	SWEDISH
16	FINNISH
17	NORWEGIAN
18	DUTCH

#### 3.1.3 Network Setting

You can choose the network source: Wi-Fi or Ethernet.

Then click "Next" to finish the network setting. Or, you can click "Skip" to skip network setting.

PS: If you did not connect Ethernet cable, it will show "Network cable is not plugged." If you choose and click "Next".



#### (1)Wireless

When connecting to Wi-Fi, it will lead you to next page automatically: Signage Display Settings

SR	
Xiaomi_5966 Secured with IRPA/RIPA2 (IRPS available)	-
TPVSWA_2.4G Secured with WPM/WFM2	
SW_Architecture_HC Secured with WHX2 (VMS available)	
NeWorriESSID	
TPV Second with 802.1a	
TPV_Guest	
TPV_Mobile Secured with 402 tx	
TPV_Mobile_Old	
TPVLSS-6801 Secured with WFA2	
Other network	

#### (2) Ethernet

When you enter "Ethernet" mode, it will show:
Connection Type: 2 options: DHCP and Static IP
IP Address (Only in Static IP mode)
Netmask (Only in Static IP mode)
DNS Address (Only in Static IP mode)
Gateway (Only in Static IP mode)
Finish the setting and click "Next", it will lead you to next page: Signage Display Settings

#### (1) DHCP

In DHCP mode, it will show related information about current connection.

Network Setting	
Connection Type:	
DHCP	
C Static IP	
	Back
	Next



In Static IP mode, the user can set IP Address, Netmask, DNS Address, and Gateway manually.

onnection Type:	
DHCP	
Static IP	
Address	
tmask	
IS Address	
teway	

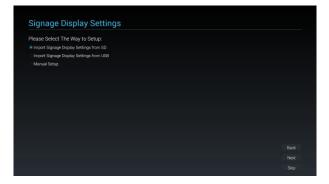
#### 3.1.4 Signage Display Settings

The user can choose to import Database or setup manually.

You can click "Skip" if you do not want to run this page.

PS:(1) Database needs to put in the "Philips" folder in SD or USB drive.

(2) Databasefile name should be "settings.db"



#### (1) Import Signage Display Settings from SD

Import Database from SD card, it will jump to the page: 5 Clone Media Files into internal .

PS: If the Database is imported successfully, you need to re-boot the display.

#### (2) Import Signage Display Settings from USB

Import Database from USB drive, it will jump to the page: 5 Clone Media Files into internal .

PS: If the Database is imported successfully, you need to re-boot the display.

#### (3) Manual Setup

If you choose manual setup, you need to setup some items:

- \* General Information
- \* SmartCMS

\* Remote Control

When you finish setup, it will jump to the page: 5 Clone Media Files into internal .

PS: Ne need to re-boot after setup.

#### **General Information**

It will show the default Signage Display name, but the user can change to other name.

You can click "Skip" if you do not want to change the name.

PS: If the name is blank, you can not click "Next" to go to next page.

Please enter Signage Display Name	
Signage Display Name	
PD_34c3d266d465	
	Back

#### SmartCMS

The user can setup the SmartCMS Server, Account, and PIN Code.

You can also click "Skip" to skip this setting.

PS: If no data entered, you can not click "Next" to go to next page.

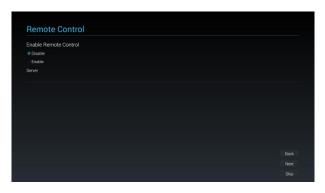
Please Setup SmartCMS Information	
Server	
Account	
PIN Code	

#### **Remote Control**

You can choose to enable or disable the Remote Control function. And you can set the Server address.

You can click "Skip" to skip this setting.

PS: If no data entered, you can't click "Next" to go to next page.



#### 3.1.5 Clone Media Files into internal



#### (1) Clone media files from SD

After cloning, it will jump to 6.1 Import Clone Data . (2) Clone media files from USB

After cloning, it will jump to 6.1 Import Clone Data .

#### 3.1.6 Setup Complete

When you click "Finish", it will start "Import" or "Clone Data".

If it runs "Import", it will show 6.1 Import Clone Data .

Otherwise it will show 6.2 Manual Setup Complete . PS: Do not power off during "Import" and "Clone" processes, otherwise it will cause data loss.

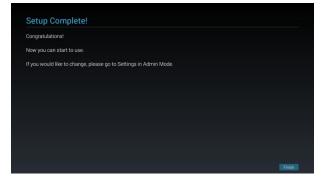
#### (1) Import Clone Data

Click "Finish", run "Import data", it will re-boot automatically.



#### (2) Manual Setup Complete

After finishing manual setup, you can enter Admin Mode to change settings in the future if necessary.



#### **3.2 Android Launcher** 3.2.1. Platform launcher

Platform launcher is black page as below:



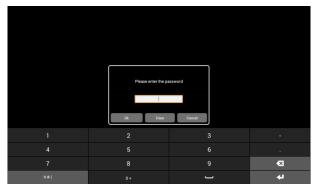
By pressing back key you can exit the app, the screen will go to platform launcher.

#### 3.2.2. Admin mode:

You can press "Menu + V-" to enter Admin mode. Admin mode will show 4 icons: "Settings", "Apps", "Network" and "Help".

When you exit from Admin mode, the system will go back to boot on source.

(1)First, you must enter password. The default password is "1234". If you want to change password, you must go to Settings. "Signage Display" -> "Change the Administrator Password".



#### (2)Home page of Admin mode.

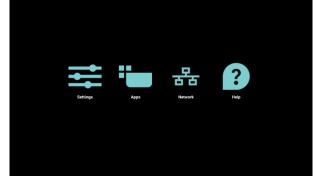
This page has 4 items: "Settings", "Apps", "Network" and "Help".

Settings : go to settings app.

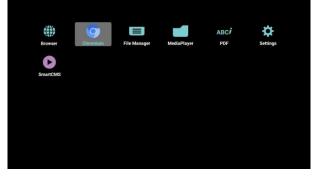
Applications : show all existing apps.

Network : set wifi or ethernet.

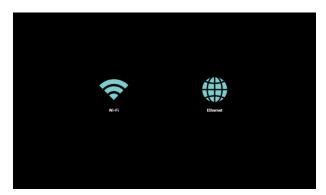
Help : display QRcode.



(3) Applications page:



(4) Network page:



#### (5) Wi-Fi page:

Sett	tings	69	+
MAIN	SWITCH		
	Disable		
	Enable		•
WI-F1			
	SW_Architecture_HC Secured with WPA2 (WPS svaliable)		-
	TPV Secured with 802.1x		-
	TPV_Guest		-
	TPV_Mobile Secured with 802.1x		
	TPVLSS-6801 Secured with WPA2		-
	TPVSWA.2.4G Secured with WPA/WPA2		-
	Xiaomi_5966		-

#### (6) Ethernet page:

# (7) Help page:Display QR code page.



#### 3.3 Setting menu

#### 3.3.1 Setting

Main items in the Setting menu:

- (1) Wi-Fi
- (2) Ethernet
- (3) Bluetooth
- (4) More
- (5) Signage Display
- (6) System Tools
- (7) Sound
- (8) Display
- (9) HDMI
- (10) Storage
- (11) Apps
- (12) Language
- (13) Date & time
- (14) Developer options
- (15) About

-	🔆 Wi-Fi		0	+	1
	WIRELESS 8	& NETWORKS			
	<del>?</del>	Wi-Fi			
		Ethernet			
	*	Bluetooth			
	DEVICE	More			
		Signage Display			
	\$	System Tools			
	<b>(</b> •)	Sound			
		Display			
		Hdmi			
		Storage			
	<b>"</b>	Apps			
	·	Language			
	SYSTEM				
		Date & time			
	•	Developer options			
	Ð	About			

#### 3.3.2 Wi-Fi

You can Enable or Disable Wi-Fi.

After enabling, it will show all available Wi-Fi routers.

PS: When Wi-Fi is enabled and connected, Ethernet will be disabled automatically.

Wi-Fi			69 -	+
WIRELESS	& NETWORKS	MAIN SWITCH		
	Wi-Fi	Disable		
())	Ethernet	Enable		
8	Bluetooth			
	More	wi-Fi		
DEVICE		SEMILAB TAIWAN		
	Signage Display	Secured with WPA2		10
\$	System Tools	SW_Architecture_HC Secured with WPA2 (WPS available)		70
<b>(</b> )	Sound	TPV Secured with 802.1x	•	7
0	Display	TPV_Guest		~
	Hdmi	TPV_Mobile		_
.8,	Storage	Secured with 802.1x		10
	Apps	TPVLSS-6801 Secured with WPA2	•	
-	Language	TPVSWA_2.4G Secured with WPA/WPA2		70
SYSTEM		Xiaomi 5966		_

#### 3.3.3 Ethernet

You can Enable or Disable Ethernet.

After enabling Ethernet, it will show:

(1) Connection Type (2 options: DHCP / Static IP)

- \* DHCP
- \* Static IP
- \* IP Address
- \* Netmask
- \* DNS Address
- \* Gateway
- (2) Mac Address

PS: When enabling Ethernet and connecting to the network, Wi-Fi will be disabled automatically.

WIRELESS & NETWORKS	MAIN SWITCH				
💎 Wi-Fi	Disable				
Ethernet	Enable				
Bluetooth					
More	To see available networks, turn Ethernet on.				
DEVICE	ETHERNET CONFIGURATION				
Signage Display	Connection Type DHCP				
System Tools	Mac Address 34c3:d286:d4:48				
()) Sound					
Display					
Hdmi					
J. Storage					
Apps					
Language					

#### DHCP

In DHCP mode:

(1) Can't setup IP Address, Netmask, DNS Address, and Gateway $_{\circ}$ 

(2)If connected, it will show current network configuration.

WIRELESS	& NETWORKS	MAIN SWITCH		
	Wi-Fi	Disable		
	Ethernet	Ethernet Configuration		
	Bluetooth	Connection Type		
	More	DHCP     Static IP		
DEVICE		IP Address		
	Signage Display	172.17.2.19		
	System Tools	Netmask		
	Sound	255.255.255.0		
		172.16.0.178		
	Display	Cateway		
	Hdmi	172.17.2.254		
J	Storage	Discard	Save	
	Apps			
	Language			

#### **Static IP**

In Static IP mode, the user can enter IP Address, Netmask, DNS Address, and Gateway manually. PS: Format of IP Address, Netmask, DNS Address, and Gateway Address:

- \* Numbers: 0-9
- \* Decimal point "."

WIRELESS	& NETWORKS	MAIN SWITCH		
	Wi-Fi	Disable		
	Ethernet	Ethernet Configuration		
	Bluetooth	Connection Type		
	More	DHCP     Static IP		
DEVICE		IP Address		
	Signage Display	192.168.66.66		
	System Tools	Netmask 255.255.255.0		
	Sound	DNS Address		
	Display	192.168.66.1		
	Hdmi	Cateway 192.168.66.254		
J	Storage	Discard	Save	
	Apps			

#### 3.3.4 Bluetooth

You can switch OFF or ON Bluetooth.

After switching ON, it will show the device name and all available devices.

WIRELESS & NETWORKS	10BDL3051T	
< Wi-Fi	Not visible to other Bluetooth devices AVAILABLE DEVICES	
(iii) Ethernet	📞 Xperia Z3	
Bluetooth		
More		
DEVICE		
Signage Display		
System Tools		
()) Sound		
Oisplay		
Hdmi		
. Storage		
Apps		

#### 3.3.5 More

Setup Tethering & portable hotspot

VIRELESS	& NETWORKS	Tethering & portable hotspot
<del>?</del>	Wi-Fi	rsena mg a portatore norapor
	Ethernet	
8	Bluetooth	
	More	
EVICE		
	Signage Display	
₽	System Tools	
(·)	Sound	
•	Display	
-	Hdmi	
J	Storage	
	Apps	
<u></u>	Language	

#### Setup Bluetooth tethering

\* Enable : Sharing this Signage Display's Internet connection.

\* Disable : Not sharing this Signage Display's Internet connection.

Wireles	s & networks
WIRELESS	& NETWORKS
Ŷ	Wi-Fi
	Ethernet
8	Bluetooth
	More
DEVICE	
	Signage Display
\$	System Tools
())	Sound
0	Display
_	Hdmi
	Storage
	Apps
100	Language
SYSTEM	

#### 3.3.6 Signage Display

There are 4 different groups: General Settings / Server Settings / Source Settings / Security

- (1) General Settings
- \* Signage Display Name
- \* Monitor ID
- \* Boot Logo
- \* Boot on source
- \* Schedule
- \* Screenshot
- (2) Server Settings
- \* Email Notification
- \* FTP
- \* Remote Control
- (3) Source Settings
- \* Media Player
- \* Browser
- \* SmartCMS
- \* PDF Player

#### \* Custom app

(4)Security

- \* Change the Administrator Password
- \* External Storage

\$\$	& NETWORKS	GENERAL SETTINGS
?	Wi-Fi	Signage Display Name gghhhhPD_34c3d266d465
	Ethernet	Monitor ID
8	Bluetooth	Boot Logo
	More	
DEVICE		Boot on source
	Signage Display	Schedule
\$	System Tools	Screenshot
<b>(</b> )	Sound	SERVER SETTINGS
	Display	Email Notification
-	Hdmi	
J	Storage	FTP
	Apps	Remote Control
		SOURCE SETTINGS

#### 3.3.6.1 General Settings

#### (1) Signage Display Name

Setup the PD's name. The default name is "PD\_"

- + Ethernet Mac Address.
- \* length: 36 characters maximum
- \* no limitation in format

	& NETWORKS		L SETTINGS				
	& NETWORKS	GENERA	LSETTINGS				
	Wi-Fi		Signage Disp PD_34c3d266d4	lay Name 48			
	Ethernet		Monitor ID				
	Bluetooth		Boot Logo				
	More		Boot Logo				
DEVICE							
		Please enter Signage I	Display Nar	ne		- 8	
	System Tools	PD_34c3d266d448				_	
<b>(</b> •)	Sound	Cancel			OK	_	
	Display		Email Notific	ation			
			citian riotine				
	Hdmi		FTP				
J	Storage		SETTINGS				
	Apps		Media Player				
	Language						

#### (2) Monitor ID

Monitor id/group : 1 – 255.



(3) Boot Logo

\* 3 options : Off/On/User

WIRELESS & NETWORKS	BOOTLOGO	
< Wi-Fi	Off	
Ethernet	On	
Bluetooth	User	
More	Use	
DEVICE	CHOOSE BOOT ANIMATION	
Signage Display	Choose Boot Animation	
System Tools		
()) Sound		
Display		
Hdmi		
. Storage		
Apps		
Language		

\*In User mode, you can select your own power-on movie (i.e. boot animation).

i. The file name of the power-on movie should be : bootanimation.zip

ii. When you select the power-on movie, it will check SD card and USB drive to see if there is "bootanimation.zip" file automatically, and pop up a window for you to choose.

WIPELESS	& NETWORKS	BOOTLO	60			
	Wi-Fi	off				
	Ethernet		On			
	Bluetooth	Choose Boot Animation				
	More	Univoie Dout Animation				1.00
DEVICE		/data/local/bo	otanimation.zip			
		_				
	System Tools	/mnt/external	_sd/bootanimation.zip		0	
	Sound	/mnt/usb_stor	age/USB_DISK1/bootanima	ation.zip	0	
	Display	Cancel	Forget	Save		
-	Hdmi	Carricel	roget	Save		
J	Storage					
	Apps					
	Language					

#### Function introduction:

\* File location options:

/data/local :

Choose the customized Power-on movie copied from SD card or USB drive..

/mnt/external\_sd :

Choose the Power-on movie found in SD card. /mnt/usb\_storage :

Choose the Power-on movie found in USB drive.

\* Save

If you pick "/mnt/external\_sd" or "/mnt/usb\_storage", and click "Save", it will copy the file "bootanimation.zip" to the path "/data/local/".

\* Forget

When you click "Forget", it will clear the customized

power-on movie and not to use any movie.

\* Cancel

Not to do any change, close the window directly.

#### User scenario:

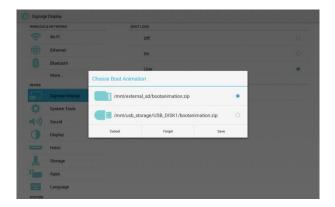
#### Case1.

If you do not setup any customized power-on movie, and no bootanimation.zip file in SD card and USB drive, then there's no option on the screen. In the meantime, it will grey-out "Save" and "Forget" to be no function.

		BOOTLOGO			
	Wi-Fi		Off		
	Ethernet		On		
	Bluetooth		User		
	More				
DEVICE			CHOOSE BOOT ANIMATION		
		Choose Boot An	imation		
	System Tools				
	Sound	Cancel	Forget	Save	
	Display				
	Hdmi				
J	Storage				
	Apps				
	Language				

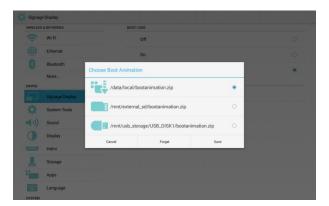
#### Case2.

If you do not setup any customized power-on movie, but it finds "bootanimation.zip" file in SD card or USB drive, then it will show the file locations.



#### Case3.

If you setup a customized power-on movie, it will show it at "/data/local/bootanimation.zip".



#### (4) Boot on source

Input : platform will go to the "input" selected by automatically after re-boot.

Playlist : In Media Play/Browser/PDF Player, you can setup the Playlist.

If you want to use "Custom app", you can not choose the app here. You need to go to Signage Display -> Source settings -> Custom app to choose the app.

RELESS	& NETWORKS
Ŷ	Wi-Fi
	Ethernet
8	Bluetooth
	More
DEVICE	
	Signage Display
\$	System Tools
<b>(</b> )	Sound
0	Display
-	Hdmi
J	Storage
-	Apps
100	Language

#### (5) Schedule

Set up the auto-playback schedule.

\* The priority of "Schedule" is higher than "Sleep". That means, if the Sleep time is during the Schedule" period, Sleep time will be ignored till end of the Schedule.

\* After the end of a Schedule, the display can only be awaken by next Schedule, pressing Power button or SICP wake-up command.

\* After the display is awaken again, it's normal to see a whole black launcher screen. If the navigation bar is not disabled, you can slide out the navigation bar from the bottom, or use the Power button to enter Admin mode.

\* In Sleep mode, the combination keys still work.

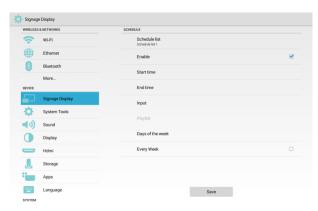
If you wake up admin mode or quick info dialog, you'll see the screen.

MIRELESS & NETWORKS	SCHEDULE	
🔷 Wi-Fi	Schedule list Schedule list 1	
Ethernet	Enable	
Bluetooth	Start time	
More	Start time	
NEVICE	End time	
Signage Display	Input	
System Tools		
()) Sound	Playfist	
Display	Days of the week	
Hdmi	Every Week	
. Storage		
Apps		
Language	Save	

Schedule list : You can set 7 schedules.

WIRELESS	& NETWORKS	SCHEDULE		
	Wi-Fi	Schedule list Schedule list 1		
	Ethernet	Schedule list		
DEVICE	More	Schedule list 1 Schedule list 2	•	
		Schedule list 3	0	
	System Tools	Schedule list 4	0	
	Sound	Schedule list 5	0	
	Display	Schedule list 6 Schedule list 7	0	
-	Hdmi	Carcel		
L	Storage			
	Apps			
	Language		Save	

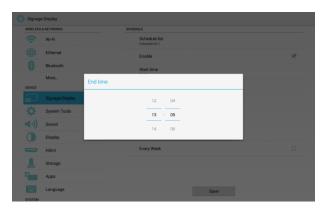
Enable : Enable or disable schedule function.



Start time : Set start time.



End time : Set end time.



Input : you can choose Media Player, Browser, SmartCMS, PDF Player, or Custom app.

WIRELESS	& NETWORKS		SCHEDULE		
	Wi-Fi		Schedule list Schedule list 1		
	Ethernet		Enable		
	Bluetooth	Input			
DEVICE	More	Media Player		0	
		Browser		0	
	System Tools	SmartCMS		0	
	Sound	PDF Player		0	
	Display	Custom app		0	
	Hdmi		Cancel	_	
J	Storage				
	Apps				
	Language			Save	

Play list : 1 - 7 : go to the "input" you selected and playback 1 - 7 playlists automatically.

🔆 Signag	e Display				
WIRELESS	& NETWORKS	SCHEDULE			
	Wi-Fi	Schedule list Schedule list 1			
	Ethernet		_	2	
8	Bluetooth	Playlist			
	More	1	0		
DEVICE		2	0		
		3	0		
-	System Tools	4	0		
<b>(</b> )	Sound	5	0		
		6	0		
0	Display	7	0		
-	Hdmi	Cancel			
	Storage				
-	Apps				
-	Language		Save		
SYSTEM		_			

Days of the week : You can set Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday.

WIRELESS	& NETWORKS	SCHEDULE			
	Wi-Fi	Schedule lis Schedule list 1	t		
	Ethernet			1	2
	Bluetooth	Days of the week			
	More	Sunday			
DEVICE		Monday			
		Tuesday			
	System Tools	Wednesday			
	Sound	Thursday			
	Display	Friday			
	Hdmi	Saturday			
		Cancel	OK		
	Storage				
	Apps				

#### Every week : Set lifecycle.

Save : Save the schedule settings.

WIRELESS	& NETWORKS	SCHEDULE	
Ŷ	Wi-Fi	Schedule list Schedule list 1	
	Ethernet	Enable	
8	Bluetooth	Start time	
	More	09.05	
DEVICE		End time	
DETICE		13.05	
	Signage Display	Input Media Player	
Ċ.	System Tools	Media Player	
*	ojsten roots	Playlist	
<b>(</b> )	Sound	1	
		Days of the week	
	Display		
	Hdmi	Every Week	•
	Classes		
Ŀ	Storage		
	Apps		

#### (6) Screenshot

You can Enable or Disable Screenshot.

Enable to setup the following parameters.

After enabling this function, you can setup to have the screenshot automatically and store the photos at the assigned path.

PS: Trigger to delete photos or screenshot:

\* It will delete the photos right away at start time.

\* After 40 seconds, do the screenshot.

\* In case of choosing delete photos every week, the start day will be changed to the day when you change the start time.

#### Screenshot and Sleep:

If the screenshot is scheduled when in Sleep mode, then the screenshot and mail functions will be disabled. These 2 functions will resume after the display is awaken again.

IRELESS	5 & NETWORKS	MAIN SWITCH	
î	Wi-Fi	Disable	
	Ethernet	Enable	
8	Bluetooth		
	More	SCREENSHOT	
EVICE			
	Signage Display	Interval 30 minuteo	
\$	System Tools	Start time	
())	Sound	End time	
1	Display	Repeat	
_	Hdmi		
_	Hann	Save to	
	Storage	Internal storage	
	Apps	Purge Screenshots Every Day	
_		Send screenshots via email	

#### Interval

Set the interval between 2 screenshots. You can choose 30 or 60 minutes.

WIRELESS	& NETWORKS	N	MAIN SWITCH	
	Wi-Fi		Disable	
	Ethernet		Enable	
	Bluetooth			
	More	_		
DEVICE		Interval		
		30 minutes	•	
	System Tools	60 minutes	0	
	Sound		Cancel	
	Display		Repeat	
	Hdmi		Save to	
J	Storage		Internal storage	
	Apps		Purge Screenshots Every Day	
			Send screenshots via email	

#### Start Time

Set screenshot start time.

\* After setup, please exit by clicking return icon. It will save the set result automatically.

\* If the Start Time is later than the End Time, it will show a warning.



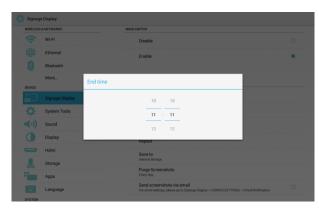
#### **End Time**

Set screenshot end time.

\* After setup, please exit by clicking return icon. It will save the set result automatically.

\* If the Start Time is later than the End Time, it will

#### show a warning.



#### Repeat

Select days of the week to have repeated screenshot. (multiple options)

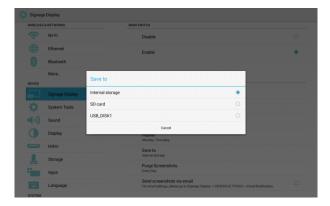
	S&NETWORKS	MAIN S	WITCH			
	Wi-Fi		Disable			
	Ethernet	_			_	
	Bluetooth	Repeat				
	More	Sunday				
DEVICE		Monday			<b>e</b>	
		Tuesday				
	System Tools	Wednesday				
	Sound	Thursday				
	Display	Friday				
		Saturday				
	Hdmi	Cancel		OK		
	Storage		Purge Screenshots			
	Apps		Every Day			
	Language		Send screenshots v	ia email go to Signage Display -> SE		

#### Save to

Set the path to store the photos. Now you have 3 choices.

\* Under the root of Internal storage / USB storage / SD card, it will create a folder "philips/Screenshot/" automatically.

<u>\* It will store the photos under the path</u> <u>"philips/Screenshot/".</u>



Purge Screenshots Set the frequency to delete the photos. Now you

#### have 2 choices: per day or per week.

🔅 Signage	Display			
WIRELESS	& NETWORKS	MAIN SWIT	тсн	
	Wi-Fi	D	isable	
	Ethernet	E	nable	٠
	Bluetooth			
	More			
DEVICE		Purge Screenshots		
	Signage Display	Every Day		
	System Tools	Every Week	0	
<b>(</b> )	Sound		Cancel	
	Display		lepeat torday, Thursday	
	Hdmi		ave to	
J	Storage		demai storage	
	Apps		lurge Screenshots very Day	
	Language		iend screenshots via email or email settings, please go to Signage Display → SERVER SETTINGS → Email Notification.	

#### Send screenshots via email

First, please go to Signage Display ->Email Notification to set sender's mail server and mail receiver, after that, please enable "Send screenshots via email". Then every screenshot photo will b sent out.

IRELESS	& NETWORKS	MAIN SWITCH	
ŝ	Wi-Fi	Disable	
())	Ethernet	Enable	
8	Bluetooth		
evice	More	SCREENSHOT	
	Signage Display	Interval 30 minutes	
\$	System Tools	Start time 09:10	
())	Sound	End time	
0	Display	Repeat Monday, Thansday	
-	Hdmi	Save to	
	Storage	Internal storage Purge Screenshots	
	Apps	Every Day	
	Language	Send screenshots via email For email settings, please go to Signage Display -> SERVER SETTINGS -> Email Notification.	

#### 3.3.6.2 Server Settings

#### (1) Email Notification

You can Enable or Disable Email notification function.

You can set up the following parameters only enabling this function.

After enabling, it will send the mails according to the user's settings.

WIRELESS	& NETWORKS	MAIN SWITCH	
Ŷ	Wi-Fi	Disable	
())	Ethernet	Enable	
8	Bluetooth		
DEVICE	More	SMTP	
<b>_</b>	Signage Display	Settings	
\$	System Tools	MANAGER EMAIL	
<b>(</b> )	Sound	Settings	
	Display	Send Test Mail	
-	Hdmi		
	Storage		
	Apps		
	Lannuana		

#### SMTP

Set the Mail account of the mail sender

Now we have 2 mail sever options : Gmail and Other.

You can choose "Other" and set SMTP Server, Security type, and Port.

PS: Limitation of the Password:

- <u>\* Length: 6-20characters</u>
- \* Format: no limitation
- \* You can't use the port: 5000

WIRELESS	& NETWORKS	M	UN SWITCH		
	Wi-Fi	SMTP			
	Ethernet	Server			C
	Bluetooth	Gmail  Other			
	More	Email			
DEVICE			(for example, example@gmail.com)		
		Password			
	System Tools	SMTP Server			
	Sound				
	Display	Security type None			
	Hdmi	Port			
J	Storage				
	Apps	Discard		Save	

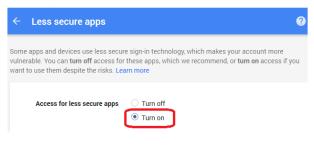
#### **Gmail security setting:**

If you can not send the mails after Gmail settings, please log-in your Gmail account via PC and click the URL below:

https://www.google.com/settings/security/lesssecur eapps

Confirm the "Access for less secure apps", and set as Turn on.

#### Google



#### Yahoo security setting:

In Yahoo Account Security Item , users should enable "Allow apps that use less secure sign in" item.

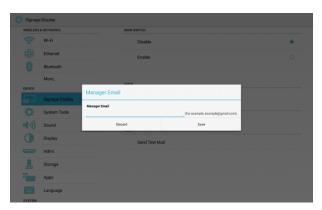
After enabling it , it works.

YAHOO!		
Personal into	Account security	
Account security	Change password	
<ul> <li>Record activity</li> <li>Professorces</li> </ul>	Phone numbers +1 (770) 000-7959	۵
	Add recovery email address	
	Two-step verification Astronet incurty Learn now	
	Also of the United States of the In- ternational Control of the United States of the United S	

#### **Manager Email**

#### Email

Set receiver's Mail address.



#### Test

Send Test Mail

To test if the Gmail mailbox's send/receive functions work well.

#### (2) FTP

You can Enable or Disable the FTP function.

You can set the following parameters only to enable this function.

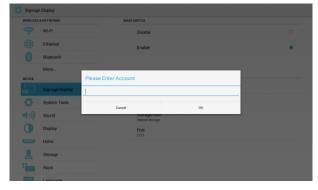
After setup, you can connect to the FTP path of the display.

VIRELESS & NETWOR	UCS	MAIN S	ИТСН	
💎 Wi-Fi			Disable	
Ethern	et		Enable	
Blueto	oth			
More		FTP		
	je Display		Account	
Syster	n Tools		Password	
()) Sound			Storage Path Internal storage	
Displar	y		Port 2121	
Hdmi				
. Storag	e			
Apps				

#### Account

Set FTP account. PS: Format limitation

- \* Length : 4-20 characters
- \* Format:
  - Lower case a-z and upper case A-Z Numbers 0-9



#### Password

Set FTP password.

PS: Format:

\* Length: 6-20 characters

\* Format:

Lower case a-z and upper case A-Z

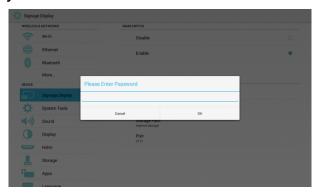
numbers 0-9

The ways to show FTP password:

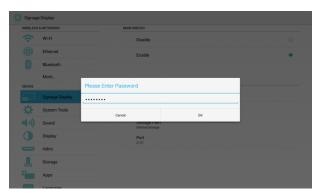
\* If you use "remote control" to set the password via PC, you'll see it uses (\*) to show the password.

\* After the password is entered, it will also show (\*).

# The screen that does not have the password yet.



After the password entered.



#### The screen that the password is set.

	ge Display s & NETWORKS	MAIN SWITCH	
?	Wi-Fi	Disable	
	Ethernet	Enable	
8	Bluetooth		
DEVICE	More	FTP	
	Signage Display	Account	
- 🔅	System Tools	Password	
(ربا	Sound	Storage Path Internal storage	
	Display	Port 2121	
-	Hdmi		
<u>.</u>	Storage		
-	Apps		
10000	Lannuana		

#### Storage Path

FTP access path.

PS: You can only access Internal storage.

WIRELESS & NETWORKS	MAIN SWITCH	
🗢 Wi-Fi	Disable	
Ethernet	Enable	
Bluetooth		
More	FTP	
DEVICE		
Signage Display	Account	
System Tools	Password	
()) Sound	Storage Path Internal storage	
Display	Port	
- Hdmi	2121	
. Storage		
Apps		

#### Port

Set FTP port. Default: 2121

PS: Format"

- \* Length: 5 characters maximum
- \* Range: 1-65535
- \* Format: numbers 0-9
- \* Yu can't use port: 5000

WIRELESS	& NETWORKS	MAIN SWITCH		
	Wi-Fi	Disable		
	Ethernet	Enable		
	Bluetooth			
	More			
DEVICE		Please Enter Port		
		2121		
	System Tools	Canoel	OK	
<b>(</b> )	Sound	Storage Pat		
	Display	Port		
	Hdmi			
J	Storage			
	Apps			

#### (3) Remote Control

You can Enable or Disable the Web Control function.

MIRELESS & NETWORKS	MAIN SWITCH	
🔷 Wi-Fi	Disable	
Ethernet	Enable	
Bluetooth		
More	REMOTE CONTROL	
DEVICE		
Signage Display	Server	
System Tools	Bind Network is disconnected	
()) Sound		
Display		
Hdmi		
. Storage		
Apps		
Language		

You can set the Server address. If the server is not registered, it will need you to enter PIN Code.

#### **Bind status::**

\* If not connect to network, it will show: Network is disconnected.

WIRELESS & NETWORKS	MAIN SWITCH	
💎 Wi-Fi	Disable	
Ethernet	Enable	
Bluetooth		
More	REMOTE CONTROL	
Signage Display	Server	
System Tools	Bind Network is disconnected	
() Sound		
Oisplay		
Hdmi		
. Storage		
Apps		
Apps Language		

\* Connect to network but not Remote Control Server, it will show: Server is disconnected.

WIRELESS & NETWORKS	MAIN SWITCH	
🗢 Wi-Fi	Disable	
Ethernet	Enable	
Bluetooth		
More		
DEVICE	REMOTE CONTROL	
Signage Display	Server	
System Tools	Bind Sever is disconnected.	
()) Sound		
Display		
. Storage		
Apps		
Language		

\* If the Remote Control Server is not bound, it will show: Server is unbound.

WIRELESS	& NETWORKS	MAIN SWITCH	
<del>?</del>	Wi-Fi	Disable	
())	Ethernet	Enable	
8	Bluetooth		
DEVICE	More	REMOTE CONTROL	
	Signage Display	Server 192.168.21.81.7778	
\$	System Tools	Bind Server is unbinded	
<b>(</b> )	Sound		
	Display		
-	Hdmi		
J	Storage		
	Apps		
1000	Language		

\* If it is bound successfully, it will show: Server is bound.

IRELESS & NETWORKS	MAIN SWITCH	
💎 Wi-Fi	Disable	
Ethernet	Enable	
Bluetooth		
More	REMOTE CONTROL	
Signage Display	Server 192.168.21.81:7778	
System Tools	Bind Server is binded	
()) Sound		
Display		
Hdmi		
. Storage		
Apps		
Language		

\* If you enter wrong PIN code, it will show Error PIN code.

WIRELESS & NETWORKS	MAIN SWITCH	
🔶 Wi-Fi	Disable	
(iii) Ethernet	Enable	
Bluetooth		
More	REMOTE CONTROL	
DEVICE	Server	
Signage Display	192.168.21.81:7778	
System Tools	Bind Server is unbinded	
() Sound		
Display		
Hdmi		
. Storage		
Apps	Error PIN code	
Language		

#### 3.3.6.3 Source Settings

#### (1) Media Player

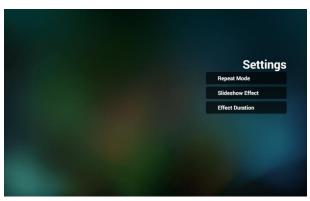
You can enter the Playlist setup page and Edit Effect Settings page of the Media Player.

RELESS	& NETWORKS	Edit Play List
?	Wi-Fi	controly con
	Ethernet	Edit Effect Settings
3	Bluetooth	
	More	
EVICE		
	Signage Display	
<b>\$</b>	System Tools	
())	Sound	
1	Display	
-	Hdmi	
	Storage	
	Apps	
<u></u>	Language	
ISTEM		

# Enter Player List setup page of the Media Player.



Enter the Edit Effect Settings page of the Media Player.

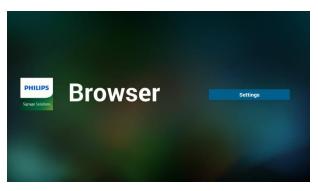


#### (2) Browser

You can edit Browser bookmark.

WIRELESS	& NETWORKS
ŝ	Wi-Fi
())	Ethernet
8	Bluetooth
	More
DEVICE	
	Signage Display
\$	System Tools
<b>(</b> )	Sound
0	Display
-	Hdmi
	Storage
-	Apps
1000	Language
SYSTEM	

Enter Browser Bookmark setting page.



#### (3) SmartCMS

MIRELESS	& NETWORKS	SETTINGS	
<b>?</b>	Wi-Fi	Server	
	Ethernet	Account	
8	Bluetooth	PIN Code	
	More		
DEVICE		Version Ver. 3	
	Signage Display	CONTENT	
\$	System Tools	Internal storage	
<b>(</b> )	Sound	SD card	
0	Display	USB storage	
-	Hdmi		
J	Storage		
	Apps		
1000	Language		

#### Server

Set Smart CMS Server address.

#### Account

Set Smart CMS account.

Format : ASCII only (please refer to 17.3 ASCII Table)

#### **PIN Code**

Set SmartCMS PIN Code.

#### Server Version

Now we have Ver. 2 and Ver. 3.

Ver. 2

There are ver. 2.0 and ver.2.2.

Ver. 3

There are ver. 3.0 and ver.3.1.

For Ver. 2 case, Server / Account / PIN Code are useless. They will be grey-out.

WIRELESS & NETWORKS	SETTINGS	
🗢 Wi-Fi	Server	
Ethernet		
8 Bluetooth		
More		
DEVICE	Version Ver. 2	
Signage Display	CONTENT	
System Tools	Internal storage	•
<b>くり)</b> Sound	SD card	
Display	USB storage	
Hdmi		
. Storage		
Apps		
Language		

#### Content

You have 3 options: Internal storage, SD card, and USB storage to choose.

#### (4) PDF Player

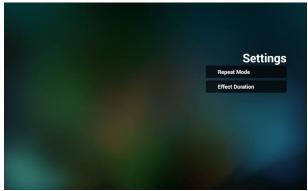
You can enter the Playlist setup page and Edit Effect Settings page of the PDF Player

S & NETWORKS	Edit Play List
Wi-Fi	controly con
Ethernet	Edit Effect Settings
Bluetooth	
More	
Signage Display	
System Tools	
Sound	
Display	
Hdmi	
Storage	
Apps	
Language	

Enter the Player List setup page of the PDF Player.



Enter the Edit Effect Settings page of the PDF Player.



#### (5) Custom app

You can choose the app to launch when you switch the video source to Custom Source.

PS:

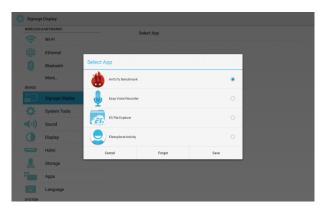
\* It only shows the app installed by the user.

\*All pre-installed apps will not be shown on the screen.

If you did set the Custom APK, it will launch the app when you switch the video source to Custom app. If you did NOT set the Custom APK, it will show black screen when you switch the video source to Custom app.

VIRELESS & NETWORKS	Select App
🗢 Wi-Fi	General who
Ethernet	
Bluetooth	
More	
EVICE	
Signage Display	
System Tools	
()) Sound	
Display	
Hdmi	
. Storage	
Apps	
Language	

#### **Function introduction:**



#### \* Save

After choosing the App, click "Save" will save the setting.

\* Forget

After clicking "Forget", it will clean the app you choose.

\* Cancel

Close the window without change.

# If the user did not install any APK, the dialogue box will show blank.

There's no item to choose. It will grey out "Save" and "Forget".

WIRELESS	& NETWORKS		Select App		
	Wi-Fi				
	Ethernet				
	Bluetooth				
	More				
DEVICE		Select App			
		Select App			
	System Tools				
	Sound	Cancel	Forget	Save	
	Display				
	Hdmi				
J	Storage				
	Apps				
	Language				

If the user has installed the APK, the user can choose it.

#### Case 1. Without setting Custom App:

It will show all apps found.



After setting, it will show the selected one.

WIRELESS	& NETWORKS	Select /	Арр
ŝ	Wi-Fi	ES File Ex	(plorer
())	Ethemet		
8	Bluetooth		
	More		
DEVICE			
	Signage Display		
₽	System Tools		
<b>(</b> )	Sound		
0	Display		
-	Hdmi		
	Storage		
-	Apps		
1000	Language		

Case 2. If you has set the Custom App, the app will be selected.

🗱 Signag	e Display				
WIRELESS	& NETWORKS		Select App		
	Wi-Fi		S File Explorer		
	Ethernet				
	Bluetooth	Select App			
DEVICE	More	An Tu Tu Benchmark		0	
	Signage Display	Easy Voice Recorder		0	
	System Tools	ES File Explorer			
<b>(</b> )	Sound	( Eds)			
	Display	FileexplorerActivity		0	
	Hdmi	Cancel	Forget	Save	
J	Storage				
	Apps				
· · · · ·	Language				
SYSTEM					

#### 3.3.6.4 Security

(1) Change the Administrator Password

Change Password.

\* Enter current password.

WIRELESS	& NETWORKS	SERVER	SETTINGS			
	Wi-Fi		Email Notification			
	Ethernet					
	Bluetooth		FTP			
	More	SOUNCE	SETTINGS			
		_	Media Player			
DEVICE		Current password:			_	
	Output Task					
	System Tools				_	
	Sound	Cancel		OK	_	
			For Haye			
	Display					
	Hdmi		Custom app			
		SECURIT	IY			
	Storage		Change the Administra	tor Password		
			containing to the Addition Strate	nor rassword		
	Apps		External Storage			
	Language		SD card/USB External Storage Unlock			

\* Enter new password.

WIRELESS	& NETWORKS	SERVER S	ETTINGS			
	Wi-Fi		Email Notification			
	Ethernet					
	Bluetooth		TP			
	More	SOURCES	SETTINGS			
DEVICE			Media Player			
		Type your password				
	System Tools				-	
	Sound	Canoel		OK		
	Disolay		or riaye			
	oropiay		Custom app			
	Hdmi	PECHNIK				
J	Storage			r Password		
	Apps		External Storage			
J	Storage	SECURITY		r Password		

#### (2) External Storage

Lock/Unlock external storage.

\* Unlock : summary is SD card/USB External Storage Unlock.

WIRELESS & NETWORKS	SERVER SETTINGS	
🗢 Wi-Fi	Email Notification	
(iii) Ethernet		
Bluetooth	FTP SOURCE SETTINGS	
More		
DEVICE	Media Player	
Signage Display	Browser	
System Tools	SmartCMS	
()) Sound	PDF Player	
Display	-	
Hdmi	Custom app SECURITY	
. Storage	Change the Administrator Password	
Apps	External Storage	
Language	SD card/USB External Storage Unlock	

\* Lock : summary is SD card/USB External Storage Lock.

# Signage Display SERVER SETTINGS WR-EFS Email Notification Image: Signage Display Email Notification Image: Signage Display Source SETTINGS More... Modia Player Image: Signage Display Browser Signage Display Browser Image: Signage Display Custom app Image: Signage Display Change the Administrator Password Image: Language Storage Lows(Display External Storage Lows)

#### 3.3.7 System Tools

There are 5 functions:

- \* Navigation Bar
- \* Clear Storage
- \* Factory Reset
- \* Import & Export
- \* Clone

VIRELESS & NETWORKS	NAVIGATION BAR	
🛜 Wi-Fi	Disable	
Ethernet	Enable	
Bluetooth	CLEAR STORAGE	
More	ALL	
Evice Signage Display	Internal storage	
O System Tools	USB storage	
()) Sound	SD card	
Display	PESET	
Hdmi	Factory Reset	
. Storage	IMPORT & EXPORT	
Apps	Export Signage Display Settings	
Language	Import Signage Display Settings	

#### 3.3.7.1 Navigation Bar

To show or hide the Navigation Bar. **Disable :** Hide Navigation Bar.

WIRELESS & NETWORKS	NAVIGATION BAR	
🛜 Wi-Fi	Disable	
Ethernet	Enable	
Bluetooth	CLEAR STORAGE	
More	ALL	
DEVICE Signage Display	Internal storage	
System Tools	USB storage	
()) Sound	SD card	
Display	RESET	
Hdmi	Factory Reset	
. Storage	IMPORT & EXPORT	
Apps	Export Signage Display Settings	
Language	Import Signage Display Settings	
SYSTEM	CLONE	

#### Enable : Show Navigation Bar.

•
•

#### 3.3.7.2 Clear Storage

Clean all data in **philips** folder in Storages. 4 modes:

- \* Clean the **philips** folder in all storages.
- \* Only clean the **philips** folder in Internal storage.
- \* Only clean the **philips** folder in USB storage.
- \* Only clean the **philips** folder in SD card.

The dialogue box will show the folders which can be cleaned.

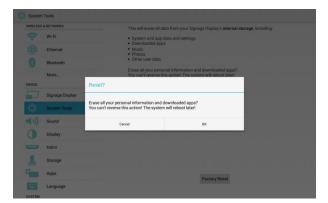
WIRELESS	& NETWORKS	Clear Storage	
	Wi-Fi		
	Ethernet	This will erase all data , including:	
	Bluetooth	/storageremulated/0/philips/	
	More	/mrt/usb_storage/USB_DISK1/philps/	
DEVICE		min/uss_morage/Use_User/pninps/	
	Signage Display		
		/mtt/external_sd/philipa/	
	Sound		
	Display		
-	Hdmi		
J	Storage		
	Apps	Reset	
	Language		

#### 3.3.7.3 Factory Reset

You can use Factory Reset to resume the open-box status.

IS & NETWORKS	This will erase all data from your Signage Display's internal storage, including:
Wi-Fi	<ul> <li>System and app data and settings</li> <li>Downloaded apps</li> </ul>
Ethernet	Music     Photos
Bluetooth	Other user data
More	Erase all your personal information and downloaded apps? You can't reverse this action! The system will reboot later!
Signage Display	
System Tools	
Sound	
Display	
Hdmi	
Storage	
Apps	Factory Reset
Language	Pactory Reset

#### After clicking OK, it will execute Reset.



#### 3.3.7.4 Export & Import

You can Export or Import Signage Display Settings and custom APK.

PS:

\* The file name is "settings.db".

\* The storage location is the "Philips" folder in the storage device.

\* Only Signage Display, System Tools, Display->Sleep can be imported or exported.

\* Signage Display Name and Boot Logo under Signage Display will not be copied.

#### (1) Export signage Display Settings

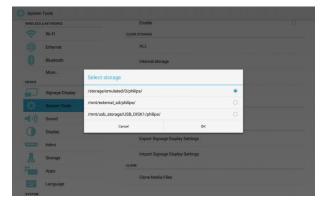
Export to the **philips** folder in **Internal**, **SD card**, or **USB drive**.

(1) Export the file "settings.db".

(2) Export custom apk to philips/app/.

<u>PS: It will create "/philips" folder if it can not find it in</u> <u>SD card or USB drive.</u>

# List all available storage devices. (Internal/SD/USB)



#### (2) Import signage Display Settings

Import data from "philips" folder from Internal, SD card, or USB drive.

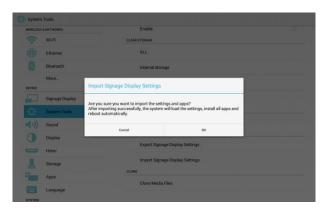
#### \*Import settings.db

\* Import custom APK from philips/app/ .

List all storage devices (Internal/SD/USB)

WIRELESS	& NETWORKS	Enable			
	Wi-Fi	CLEAR STORAGE			
	Ethernet	ALL			
	Bluetooth	Internal storage			
DEVICE	More	Select storage			
	Signage Display	/storage/emulated/0/philips/		•	
		/mnt/external_sd/philips/		0	
	Sound	/mnt/usb_storage/USB_DISK1/philips/		0	
	Display	Cancel	OK		
	Hdmi	Export Signage Disp	lay Settings		
	Storage	Import Signage Disp	lay Settings		
	Apps	CLONE			
	Language	Clone Media Files			

Before importing Database, it will show a dialog box.



#### 3.3.7.5 Clone

Clone media files :

Set to clone **"photo"**, **"music"**, **"video"**, **"cms"**, **"pdf"**, **"browser"** folders under "philips" folder. For the "clone .cms" file, the location is:

- => internal : put in the "philips" folder, ex. philips/xxx.cms
- => sdcard, usb : put in the root directory, ex. (root)/xxx.cms

Clone source copy to Target location.

WIRELESS & NETWORKS	CLONE SOURCE	
🗢 Wi-Fi	Internal storage	•
Ethernet	SD card	
Bluetooth	USB storage	
More	Path: /storage/emulated/0/philips/	
Signage Display	TARGET LOCATION	
System Tools	Internal storage	
()) Sound	SD card	•
Display	USB storage	
Hdmi		
. Storage	<ul> <li>www.ymmosoccenter_adu/primpay</li> </ul>	
Apps		
Language	Clone	

#### 3.3.8 Sound

#### Set volume





#### 3.3.9 Display

- 3 functions:
- \* Brightness
- \* Auto-rotate screen
- \* Sleep

WIRELESS & NETWORKS	Brightness	
🗢 Wi-Fi	ongranica	
Ethernet	Auto-rotate screen	
Bluetooth	Sleep	
More		
DEVICE		
Signage Display		
System Tools		
(i) Sound		
Display		
. Storage		
Apps		
Language		

#### 3.3.9.1 Brightness

WIRELESS	& NETWORKS		Brightness	
<del>?</del>	Wi-Fi		bightiess	
	Ethernet		Auto-rotate screen	5
8	Bluetooth		Sleep	
	More			
DEVICE				
	Signage Display			
\$	System Tools	<u> </u>		
<b>(</b> )	Sound			
$\bigcirc$	Display			
	Hdmi			
J	Storage			
	Apps			
1000	Language			

#### 3.3.9.2 Auto-rotate screen

IRELESS	& NETWORKS	Brightness	
<b>?</b>	Wi-Fi	ang bioto	
	Ethernet	Auto-rotate screen	
8	Bluetooth	Sleep	
	More		
EVICE			
	Signage Display		
<b>\$</b>	System Tools		
(v)	Sound		
	Display		
-	Hdmi		
J	Storage		
	Apps		
·	Language		

#### 3.3.9.3 Sleep

#### Set Sleep time.

\* Off (not to sleep), 1 Hour – 24 Hours.

\* In Sleep mode, you can use the key combination "Power + Power + Volume Down + Volume Down" to wake up the display.

\* The priority of "Schedule" is higher than "Sleep". That means, if the Sleep time is during the Schedule" period, Sleep time will be ignored till end of the Schedule. Different from "Schedule" function, it will stay at last status if it is awaken from Sleep mode.

Display		Sleep		
WIRELESS	& NETWORKS Wi-Fi	Off	۲	
	Ethernet	1 Hour	0	2
		2 Hours	0	
8	Bluetooth	3 Hours	0	
DEVICE	More	4 Hours	0	
	Signage Display	5 Hours	0	
*	System Tools	6 Hours	0	
<b>■</b> ())	Sound	7 Hours	0	
		8 Hours	0	
	Hdmi	9 Hours	0	
	Storage	10 Hours	0	
		12 Hours	0	
	Apps	12 House	0	
<u></u>	Language	Cancel		

#### 3.3.10 HDMI

- 3 functions:
- \* Turn on HDMI
- \* HDMI Resolution
- \* Screen Zoom

#### 3.3.10.1 Turn on HDMI

#### Select : Enable HDMI Unselect : Disable HDMI

WIRELESS & NETWORKS	Turn on HDMI	2
💎 Wi-Fi		
Ethernet	HDMI Resolution	
Bluetooth	Screen Zoom	
More		
DEVICE		
Signage Dis	ay	
System Too		
()) Sound		
Display		
Hdmi		
. Storage		
Apps		
Language		

#### 3.3.10.2 HDMI Resolution

Set the resolution.

	& NETWORKS	Turn on HDM	41	
	Wi-Fi			
	Ethernet	HDMI Resolu	ution	
	Bluetooth	HDMI Resolution		
	More	1920x1080p_50Hz	0	
DEVICE		1920x1080p_60Hz	•	
	Signage Display	1280x720p_50Hz	0	
	System Tools	1280x720p_60Hz		
	Sound	720x576p_60Hz	0	
	Display	720x480p_60Hz	0	
		Ca	ncel	
	Storage			
	Apps			
	Language			

#### 3.3.10.3 Screen Zoom

Zoom in/out the HDMI screen

WIRELESS	& NETWORKS		Turn on HD	MI			-
	Wi-Fi						
	Ethernet		HDMI Reso	lution			
	Bluetooth		Screen Zoo	m			
	More						
DEVICE		Screen Zoom					
	Signage Display						
	System Tools					•	
	Sound	Cancel			OK		
	Display						
	Storage						
	Apps						
	Language						

#### 3.3.11 Storage

Storage WIRELESS & NETWORP WI-Fi

Bluetooth

Ethernet

ore..

Show the space information in all storage devices.

Total spar

Available 5.65GB

# Signage Display Image: Signage Display

#### SD CARD and USB STORAGE:

It will show "Total Space" and " Available space" only the SD card and USB drive are plugged.

WIRELESS & NETWORKS	INTERNAL STORAGE	
🔷 Wi-Fi		
() Ethernet	Total space	
Bluetooth	Available	
More	5.65GB	
DEVICE	SD CARD	
Signage Display		
System Tools	Total space 1.84GB	
<b>■())</b> Sound	Available 75448	
Display	USB STORAGE	
Hdmi		
Storage	Total space 29.4268	
Apps	Available 28.24GB	
Language	USB STORAGE 2	

#### 3.3.12 Apps

Show some information about apps.



#### 3.3.13 Language

To select OSD languages.

🔆 Langua	ge
w	0000000
DEVICE	More
DEVICE	Signage Display
- 🗱	System Tools
<b>(</b> )	Sound
	Display
-	Hdmi
J	Storage
	Apps
	Language
SYSTEM	
Θ	Date & time
¢	Developer options
Ø	About

Language	
More	Dansk
DEVICE	Deutsch
Signage Display	English
System Tools	
(i) Sound	Español
Display	Français
Hdmi	Italiano
. Storage	Nederlands
Apps	Norsk bokmål
Language	
SYSTEM	Polski
Date & time	Português
Developer options	Suomi
1 About	- Complex

#### 3.3.14 Date & Time

PS: Add NTP Server to show Server IP.

	More	Automatic date & time Use network-provided time	2
DEVICE		Set date 8/25/2016	
	Signage Display	Set time	
¢.	System Tools	05.59	
<b>▲</b> •))	Sound	Select time zone GMT+00:00, GMT+00:00	
0	Display	Use 24-hour format	~
-	Hdmi	Choose date format 12/31/2016	
J	Storage	NTP Server 2.android pool ntp.org	
	Apps		
<u></u>	Language		
SYSTEM			
Θ	Date & time		
¢	Developer options		
8	About		

#### 3.3.15 Developer options

To show Android developer information.

102			
,	More	Take bug report	
DEVICE		Desktop backup password	
-	Signage Display	Desktop full backups aren't currently protected	
		Stay awake	
<b>Ö</b> :	System Tools	Screen will never sleep	
-		Select runtime	
()) s	Sound	Use Dalvik	
0		Process Stats	
	Display	Geeky stats about running processes	
-	Hdmi	DEBUGGING	
-		USB debugging	
	Storage	Debug mode when USB is connected	
		Power menu bug reports	
· ·	Apps	Include option in power menu for taking a bug report	-
	anguage	Allow mock locations	×
		Allow mock locations	1.8997
SYSTEM		Select debug app	
O	Date & time	No debug application set	
		Wait for debugger	
<u>e</u> 1	Developer options	Debugged application waits for debugger to attach before executing	
0		Verify apps over USB	
	About	Check apps installed via ADB/ADT for hannful behavior.	1

#### 3.3.16 About

Items to show:

- \* System updates
- \* Status
- \* Model number
- \* Android version
- \* Kernel version
- \* Build number

Mor	e	System updates
EVICE		Status
		Device information
Sign	age Display	Model number
Syst	em Tools	1080L3051T
		Android version
()) Sou	nd	4.4.4
		Kernel version
Disp	lay	3.0.36+
Hdm	ni	Build number
-		rpa184 eng 4.4.4 KTU84Q eng.andyhsu.20160729.091130 test-keys FB99.88
. Stor	age	
Арр	8	
Lang	guage	
YSTEM		
Date	& time	
<u> </u>	o de carrie	
🔅 Devi	eloper options	
i Abo		

#### (1) System updates Local update

MUIE	SYSTEM UPDATES
DEVICE	Local update
Signage Display	Update via External Storage.
System Tools	
()) Sound	
Display	
Hdmi	
. Storage	
Apps	
Language	
SYSTEM	
Date & time	
Developer options	
1 About	

#### \* After choosing the file source, it will re-boot and update automatically.

PS:

- \* Only supports Android Full Image
- \* The file name is update.zip

\* The location of the file is under the root directory of storage devices.

About		
	More	System updates
DEVICE	Signage Display	/mnt/usb_storage/USB_DISK1/update.zip
	System Tools	
	Sound	
	Display	
	Hdmi	
	Storage	
	Apps	
SYSTEM	Language	
	Date & time	
<b>.</b>	Developer options	
D		

#### 3.3.17 Appendix

#### 3.3.17.1 Landscape

In Landscape Mode, the screen is divided to 2 columns.

When you click the item at left side, right side will show its content.

🔅 Wi-Fi		6	+ +	1
WIRELESS	& NETWORKS	MAIN SWITCH		
<b>?</b>	Wi-Fi	Disable		
())	Ethernet	Enable		
8	Bluetooth			
DEVICE	More	wi-ri		
DEVICE		SEMILAB TAIWAN		
	Signage Display	Secured with WPA2	2	à
\$	System Tools	SW_Architecture_HC Secured with WPA2 (WPS available)	-	1
<b>(</b> )	Sound	TPV Secured with 802.1x	-	4
	Display	TPV_Guest	-	
-	Hdmi	TPV_Mobile	-	-
	Storage	Secured with 802.1x	41	
-	Apps	TPVLSS-6801 Secured with WPA2	-	
1000	Language	TPVSWA_2.4G Secured with WPA/WPA2	-	4
SYSTEM		Xiaomi 5966	-	

#### 3.3.17.2 Portrait

In Portrait Mode, you can only see 1 column. When you click the item, it will go to the next page.

\* Look for "update.zip" file in SD card and USB drive. If it finds the file, the user can decide to update or not.

🔆 Wi-Fi		6	+	1
WIRELESS 8	NETWORKS			
?	Wi-Fi			
	Ethernet			
*	Bluetooth			
	More			
DEVICE				
	Signage Display			
\$	System Tools			
<b>(</b> •)	Sound			
	Display			
	Hdmi			
J	Storage			
<b>.</b>	Apps			
·····	Language			
SYSTEM				
$\overline{\mathbf{O}}$	Date & time			
•	Developer options			
Ð	About			

#### 3.3.17.3 ASCII Table

#### **ASCII TABLE**

Decimal	Hex	Char	Decimal	Hex	Char	Decimal	Hex	Char	Decimal	Hex	Char
0	0	[NULL]	32	20	(SPACE)	64	40	0	96	60	
1	1	[START OF HEADING]	33	21	1	65	41	A	97	61	a
2	2	[START OF TEXT]	34	22		66	42	в	98	62	ь
3	3	IEND OF TEXT]	35	23		67	43	с	99	63	c
4	4	[END OF TRANSMISSION]	36	24	\$	68	44	D	100	64	d
5	5	[ENQUIRY]	37	25	%	69	45	E	101	65	е
6	6	[ACKNOWLEDGE]	38	26	&	70	46	E.	102	66	f
7	7	(BELL)	39	27	1.00	71	47	G	103	67	q
8	8	[BACKSPACE]	40	28	(	72	48	н	104	68	ĥ
9	9	IHORIZONTAL TABI	41	29	)	73	49	1	105	69	1
10	A	[LINE FEED]	42	2A	*	74	4A	1	106	6A	1
11	в	IVERTICAL TAB1	43	2B	+	75	4B	ĸ	107	6B	k
12	с	IFORM FEEDI	44	2C		76	4C	L	108	6C	1
13	D	ICARRIAGE RETURNI	45	2D	1.00	77	4D	M	109	6D	m
14	E	ISHIFT OUTI	46	2E		78	4E	N	110	6E	n
15	F	ISHIFT IN1	47	2F	1	79	4F	0	111	6F	0
16	10	IDATA LINK ESCAPEI	48	30	0	80	50	P	112	70	
17	11	IDEVICE CONTROL 11	49	31	1	81	51	0	113	71	ä
18	12	IDEVICE CONTROL 21	50	32	2	82	52	R	114	72	2
19	13	IDEVICE CONTROL 31	51	33	3	83	53	S	115	73	
20	14	IDEVICE CONTROL 41	52	34	4	84	54	T	116	74	t
21	15	INEGATIVE ACKNOWLEDGE1	53	35	5	85	55	Ú.	117	75	u.
22	16	ISYNCHRONOUS IDLEI	54	36	6	86	56	v	118	76	× ×
23	17	IENG OF TRANS. BLOCKI	55	37	7	87	57	ŵ	119	77	w
24	18	ICANCELI	56	38	8	88	58	X	120	78	×
25	19	IEND OF MEDIUMI	57	39	9	89	59	Y	121	79	v
26	1A	[SUBSTITUTE]	58	3A		90	5A	z	122	7A	ź
27	18	[ESCAPE]	59	3B	1	91	5B	ī.	123	7B	
28	10	[FILE SEPARATOR]	60	3C	<	92	5C	Ň	124	70	i i
29	1D	IGROUP SEPARATORI	61	3D		93	5D	i	125	7D	3
30	16	IRECORD SEPARATORI	62	3E	>	94	5E	÷	126	7E	~
31	1F	[UNIT SEPARATOR]	63	3F	7	95	5F	2	127	7F	[DEL]

#### 3.3.17.4 Table of keyboard shortcuts

Press these keys	To do this
Power + Volume↓	Launch Admin mode app
Power + Volume↑	Launch Quick Information app
Power + Poweru + Volume↑ + Volume↓ + Volume↓ + Volume↑	Enable touch function
Power + Power + Volume↓ + Volume↓	Turn on the screen

Note:\* Disabling touch function is only valid through SICP command.

\* Turning off the screen is only valid by

- SICP command or
- Settings  $\rightarrow$  Display  $\rightarrow$  Sleep or
- Settings  $\rightarrow$ > Signage Display  $\rightarrow$ > Schedule

→ End Time

- \* Turning on the screen is only valid by
  - Hotkey
  - SICP command or
- Settings → Signage Display → Schedule → Start Time if the screen is off.

\* Mouse , touch and physical keyboard cannot wake up the screen.

#### 3.3.17.5 Advanced features

#### (1) Install custom APK

You can use file-manager apk to install it. Please use key combination "Power+ V\_Down" to enter "launch admin mode" page.  $\rightarrow$  click all app  $\rightarrow$  launch file manager app  $\rightarrow$  choose the apk to install

PS: For the file manager app, please refer to Appendix 17.6.

#### (2)Use the LED strips

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

\* SICP commands for controlling Side LED strips

13.1.2 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[I]	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 co	lors
	LED Behavior
Power LED	<ul> <li>Please wait for 3 seconds after the power is connected.</li> <li>Power-on at Android mode: <ol> <li>Power LED is amber when power is connected.</li> <li>Power LED is green when running power-on logo.</li> <li>The power LED is green in Android mode.</li> <li>The power LED is green in Sleep mode.</li> </ol> </li> <li>In Recovery Mode (F/W upgrade or Factory</li> </ul>

#### 10BDL3051T

	reset) 1. After 3 seconds, Power LED will become <b>amber</b> . 2. After the recovery screen show, power LED will be <b>green</b> .
R/L	<ol> <li>Default is OFF.</li> <li>Only SICP commands can turn ON/OFF and</li></ol>
LED strips	set colors on side LED strips.

#### (3) Use the camera

Use the key combination "Menu+ V\_Down" to enter "launch admin mode".  $\rightarrow$  click "all app"  $\rightarrow$  launch camera app.



#### 3.3.17.6 File manager app

Home page of File Manager app, this page will list folder and files.

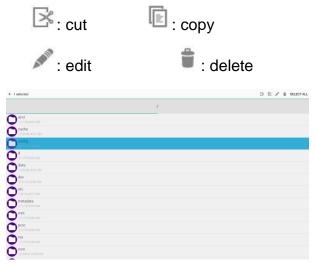


Press ok key at folder or file, it will popup option dialog.

- \* Open : open folder or file.
- \* Select : select folder or file to edit.

/		storage	emulated	0
.estrongs 2/3/15 11:58				
AIOSWF 1/1/00 11:51				
AIOUPDATE				
Alarms 1/1/00 6:23 P				
Android 2/3/15 11:58				
er 0.11.51				
com.aio.dov	nloader			

# Press select item at option dialog, the top of page will popup action bar.



# When you press cut or copy, the page will show paste icon

=		
	/	
C AND		
Cache L'Unite Bills AM		
Config Config		
C d churche disch, and		
C data Srtanis kon Har		
dev 14 solitistististististi		

You can press back key back to the parent directory

Storage path as below:

- \* Internal : /mnt/sdcard
- \* Sdcard path : /mnt/external\_sd
- \* Usb path : /mnt/usb\_storage

# 4. USB device compatibility

#### Video Decode

Туре	Video Codec	Container	Decode	Encode	Channel	Remark
MPEG1/2	MPEG1/2	File Format: DAT, MPG, VOB, TS	V			Supported Image Size:48x48pixels to 1920x1088pixels Maximum Frame Rate:30fps Maximum Bit Rate:80Mbps Audio Codec: MP2, MP3
MPEG-4	MPEG4	File Format: AVI, MKV, MP4, MOV, 3GP	V			Supported Image Size:48x48pixels to 1920x1088pixels Maximum Frame Rate:30fps Maximum Bit Rate:38.4Mbps Audio Codec: MP2, MP3, AAC, PCM, (1) Not support MS MPEG4 v1/v2/v3 (2) Not support GMC(global motion compensation)
H.263	H.263	File Format: 3GP, MOV, MP4	V			Supported Image Size:SQCIF(128x96), QCIF(176x144), CIF(352x288),4CIF(704x576) Maximum Frame Rate:30fps Maximum Bit Rate:38.4Mbps Audio Codec: MP3 (1) Not support H.263+
H.264	H.264	File Format: AVI, MKV, MP4, MOV, 3GP, TS, FLV	V			Supported Image Size:48x48pixels to 1920x1088pixels Maximum Frame Rate:30fps Maximum Bit Rate:57.2Mbps Audio Codec: MP2, MP3, AAC, PCM (1) Not support MBAFF
GOOGLE VP8	VP8	File Format: WEBM	V			Supported Image Size:48x48pixels to 1920x1088pixels Maximum Frame Rate:30fps Maximum Bit Rate:38.4Mbps Audio Codec: Ogg Vorbis
Motion JPEG	MJPEG	File Format: AVI, MOV	V			Supported Image Size:48x48pixels to 1920x1088pixels Maximum Frame Rate:30fps Maximum Bit Rate:38.4Mbps Audio Codec: MP2, MP3, AAC, PCM

#### Audio Decode

Туре	Audio Codec	Container	Decode	Encode	Channel	Remark
MPEG Audio	MPEG1/2/2.5 Audio Layer1/2/3	Decode: <del>MP1</del> , MP2, MP3	V		2	Bit Rate: 8kbps~320Kbps, CBR and VBR Sampling Rate: 8KHZ~48KHz
Windows Media Audio	WMA Version 4,4.1, 7, 8, 9, wmapro	Decode: WMA	V		2	Bit Rate: 8kbps~320Kbps Sampling Rate: 8KHZ~48KHz Non-support WMA Pro、lossless and MBR
AAC Audio	MAIN, ADIF ,ATDS Header AAC-LC and AAC-HE	File Format: AAC, M4A	V		5.1	Bit Rate: N/A Sampling Rate: 8KHZ~48KHz

#### **Image Decode**

Туре	Audio Codec	Container	Decode	Encode	Channel	Remark
JPEG	JFIF file format 1.02	ile Format: JPG, JPEG	V			Decode: Resolution 48X48 to 8176X8176 (1) Not Support Non-interleaved Scan (2) Software support SRGB JPEG (3) Software support Adobe RGB JPEG
BMP	BMP	File Format: BMP	V			Maximum Supported Image Size:4096x4096 pixels
GIF	GIF	File Format: GIF	V			Resolution No Restriction
PNG	PNG	File Format: PNG	V			Resolution No Restriction

## 5. Cleaning and Troubleshooting

#### 5.1. Cleaning

#### **Caution When Using the Monitor**

\* 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.

#### **5.2 Troubleshooting**

Symptom	Possible Cause	Remeby
No picture is displayed	1. The adapter is disconnected.	1. Make sure the power LED is
	2. The monitor is standby mode	green. Or plug in the adapter.
		2. Menu + Menu + Volume- +
		Volume-, turn on the screen.
HDMI output is abnormal	1. HDMI cable is not connected	1. Make sure the HDMI cables
	properly.	attached firmly.
	2. The External device is	2. Check the external device is ok
	abnormal.	
Micro USB HOST & TypeA USB	1. USB cable or output device is	1. make sure USB Cable or output
HOST & LAN interface is	abnormal.	device is ok.
abnormal.	2. The cable is not connected	2. make sure the cable is
	properly.	connected properly and the RJ45
		interface LED is green.
Can't read USB device and SD	The USB device and SD card is	Press "MENU" button, choose
card.	disabled.	"setting" to enable the function.
The screen display normal but	Touch function is disabled.	Menu + Menu + Volume+ +
can't use touch function.		Volume- + Volume- + Volume+,
		enable touch function.

# 6. Technical Data

#### **6.1 Specifications**

Monitor	10.1" HD panel
	10 points multi-touch
	Programming LED strip x 2
	300 cd/m2 maximum Luminance
	1280x800 panel resolution
	Viewing angle (H/V): 175/175
	Built-in speaker 2W x 2
Video format support	MPEG1/2(DAT, MPG, VOB, TS)
	MPEG4(AVI, MKV, MP4, MOV, 3GP)
	H.263(3GP, MOV, MP4)
	H.264(AVI, MKV, MP4, MOV, 3GP, TS, FLV)
	GOOGLE VP8(WEBM)
	Motion JPEG(AVI, MOV)
Image format support	JPEG,BMP,GIF,PNG
Audio codec support	MPEG1/2/2.5 Audio Layer1/2/3(MP2, MP3)
	WMA Version 4,4.1, 7, 8, 9, wmapro(WMA)

AAC-HE(AAC,M4A)Dynamic contentW3C HTML5 (HTML, CSS, JavaScript) W3C SMIL 3.0 instructions (sub-set)Physical I/O connectors3.5mm analog stereo audio out port HDMI output port RJ45 Ethernet port Micro SD card slot(up to 32GB micro SDHC) DC -in Jack for charging(12V 1.5A) Micro USB for ADB *1 Micro USB for ADB *1 Micro USB for host*2 Type A host ports*2 reserved expansion portLocal storage8 GB eMMC with Micro SD card expansion slotAccessoriesDC Power adapter HDMI Cable USB Cable Stand Bar Silicon Foot Power plug(US/EU/UK) Quick start guidePower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 - 40° C / 32 - 104° F storage Humidity: 10 - 85% @ 40° C / 104° F non-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adapters CertificationsQuever alignedCE/FCC/IC/BQB/HDMIWarrantyOne-year limited parts & labor		MAIN, ADIF ,ATDS Header AAC-LC and		
W3C SMIL 3.0 instructions (sub-set)         Physical I/O connectors       3.5mm analog stereo audio out port         HDMI output port       RJ45 Ethernet port         Micro SD card slot(up to 32GB micro SDHC)       DC -in Jack for charging(12V 1.5A)         Micro USB for ADB *1       Micro USB for ADB *1         Micro USB for host*2       reserved expansion port         Local storage       8 GB eMMC with Micro SD card expansion slot         Accessories       DC Power adapter         HDMI Cable       USB Cable         Stand Bar       Silicon Foot         Power requirement       12V 1.5A DC         802.3af compliance PoE, power over Ethernet         Power consumption*       10.96 watts max         Environmental       Operating temperature: 0 - 40° C / 32 - 104° F         Storage Humidity: 10 - 85% @ 40° C / 104° F         Storage Humidity: 10 - 85% @ 40° C / 104° F         Storage Humidity: 10 - 85% @ 40° C / 104° F         Storage Humidity: 10 - 85% @ 40° C / 104° F         Storage Humidity: 10 - 85% @ 40° C / 104° F         Storage Humidity: 10 - 85% @ 40° C / 104° F         Storage Humidity: 10 - 85% @ 40° C / 104° F         Storage Humidity: 10 - 85% @ 40° C / 104° F         Storage Humidity: 10 - 85% @ 40° C / 104° F         Storage Humidity: 10 - 85% @ 40° C / 104° F				
Physical I/O connectors       3.5mm analog stereo audio out port         HDMI output port       RJ45 Ethernet port         Micro SD card slot(up to 32GB micro SDHC)       DC - in Jack for charging(12V 1.5A)         Micro USB for ADB *1       Micro USB for host*2         Type A host ports*2       reserved expansion port         Local storage       8 GB eMMC with Micro SD card expansion slot         Accessories       DC Power adapter         HDMI Cable       USB Cable         Stand Bar       Silicon Foot         Power plug(US/EU/UK)       Quick start guide         Power requirement       12V 1.5A DC         802.3af compliance PoE, power over Ethernet       90 porting temperature: 0 – 40° C / 32 – 104° F         Storage Humidity: 10 – 85% @ 40° C / 104° F       non-condensing         Dimensions       261 x 167.2 x 29 mm         Weight       0.740kg         Safety       UL/CB certified AC adapters         Certifications       CE/FCC/IC/BQB/HDMI	Dynamic content	W3C HTML5 (HTML, CSS, JavaScript)		
HDMI output port         RJ45 Ethernet port         Micro SD card slot(up to 32GB micro SDHC)         DC -in Jack for charging(12V 1.5A)         Micro USB for ADB *1         Micro USB for host*2         Type A host ports*2         reserved expansion port         Local storage       8 GB eMMC with Micro SD card expansion slot         Accessories       DC Power adapter         HDMI Cable       USB Cable         Stand Bar       Silicon Foot         Power plug(US/EU/UK)       Quick start guide         Power requirement       12V 1.5A DC         802.3af compliance PoE, power over Ethernet       802.3af compliance PoE, power over Ethernet         Power consumption*       10.96 watts max         Environmental       Operating temperature: 0 – 40° C / 32 – 104° F         Non-condensing       104° F         Non-condensing       40° C / 104° F         Micro UL/CB certified AC adapters       0.740kg         Safety       UL/CB certified AC adapters		W3C SMIL 3.0 instructions (sub-set)		
RJ45 Ethernet portMicro SD card slot(up to 32GB micro SDHC)DC -in Jack for charging(12V 1.5A)Micro USB for ADB *1Micro USB for host*2Type A host ports*2reserved expansion portLocal storage8 GB eMMC with Micro SD card expansion slotAccessoriesDC Power adapterHDMI CableUSB CableStand BarSilicon FootPower requirement12V 1.5A DC802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 - 40° C / 32 - 104° FStorage Humidity: 10 - 85% @ 40° C / 104° FNorage Humidity: 10 - 85% @ 40° C / 104° FNorage Humidity: 10 - 85% @ 40° C / 104° FStorage Humidity: 10 - 85% @ 40° C / 104° FNorage Humidity: 10 - 85% @ 40° C / 104° FNorage Humidity: 10 - 85% @ 40° C / 104° FStorage Humidity: 10 - 85% @ 40° C / 104° FNorage Humidity: 10 - 85% @ 40° C / 104° FStorage Humidity: 10 - 85% @ 40° C / 104° FStorage Humidity: 10 - 85% @ 40° C / 104° FStorage Humidity: 10 - 85% @ 40° C / 104° FStorage Humidity: 10 - 85% @ 40° C / 104° FNeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI	Physical I/O connectors	3.5mm analog stereo audio out port		
Micro SD card slot(up to 32GB micro SDHC) DC -in Jack for charging(12V 1.5A) Micro USB for ADB *1 Micro USB for host*2 Type A host ports*2 reserved expansion portLocal storage8 GB eMMC with Micro SD card expansion slotAccessoriesDC Power adapter HDMI Cable USB Cable Stand Bar Silicon Foot Power plug(US/EU/UK) Quick start guidePower requirement12V 1.5A DC 802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 - 40° C / 32 - 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F Storage Humidity: 10 - 85% @ 40° C / 104° FDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI		HDMI output port		
DC -in Jack for charging(12V 1.5A)Micro USB for ADB *1Micro USB for host*2Type A host ports*2reserved expansion portLocal storage8 GB eMMC with Micro SD card expansion slotAccessoriesDC Power adapterHDMI CableUSB CableStand BarSilicon FootPower requirement12V 1.5A DC802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 - 40° C / 32 - 104° FStorage Humidity: 10 - 85% @ 40° C / 104° FStorage Humidity: 10 - 85% @ 40° C / 104° FStorage Humidity: 10 - 85% @ 40° C / 104° FUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI		RJ45 Ethernet port		
Micro USB for ADB *1 Micro USB for host*2 Type A host ports*2 reserved expansion portLocal storage8 GB eMMC with Micro SD card expansion slotAccessoriesDC Power adapter HDMI Cable USB Cable Stand Bar Silicon Foot Power plug(US/EU/UK) Quick start guidePower requirement12V 1.5A DC 802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 - 40° C / 32 - 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F non-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgCertificationsCE/FCC/IC/BQB/HDMI		Micro SD card slot(up to 32GB micro SDHC)		
Micro USB for host*2 Type A host ports*2 reserved expansion portLocal storage8 GB eMMC with Micro SD card expansion slotAccessoriesDC Power adapter HDMI Cable USB Cable Stand Bar Silicon Foot Power plug(US/EU/UK) Quick start guidePower requirement12V 1.5A DC 802.3af compliance PoE, power over Ethernet 802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 – 40° C / 32 – 104° F Storage Humidity: 10 – 85% @ 40° C / 104° F non-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgCertificationsCE/FCC/IC/BQB/HDMI		DC -in Jack for charging(12V 1.5A)		
Type A host ports*2 reserved expansion portLocal storage8 GB eMMC with Micro SD card expansion slotAccessoriesDC Power adapter HDMI Cable USB Cable Stand Bar Silicon Foot Power plug(US/EU/UK) Quick start guidePower requirement12V 1.5A DC 802.3af compliance PoE, power over Ethernet 802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 – 40° C / 32 – 104° F Storage Humidity: 10 – 85% @ 40° C / 104° F non-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgCertificationsCE/FCC/IC/BQB/HDMI		Micro USB for ADB *1		
Local storage8 GB eMMC with Micro SD card expansion slotAccessoriesDC Power adapter HDMI Cable USB Cable Stand Bar Silicon Foot Power plug(US/EU/UK) Quick start guidePower requirement12V 1.5A DC 802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 – 40° C / 32 – 104° F Storage Humidity: 10 – 85% @ 40° C / 104° F non-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgCertificationsCE/FCC/IC/BQB/HDMI		Micro USB for host*2		
Local storage8 GB eMMC with Micro SD card expansion slotAccessoriesDC Power adapter HDMI Cable USB Cable Stand Bar Silicon Foot Power plug(US/EU/UK) Quick start guidePower requirement12V 1.5A DC 802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 – 40° C / 32 – 104° F Storage Humidity: 10 – 85% @ 40° C / 104° F non-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI		Type A host ports*2		
AccessoriesDC Power adapterHDMI CableUSB CableStand BarSilicon FootPower plug(US/EU/UK)Quick start guidePower requirement12V 1.5A DC802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 – 40° C / 32 – 104° FStorage Humidity: 10 – 85% @ 40° C / 104° FStorage Humidity: 10 – 85% @ 40° C / 104° FDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI		reserved expansion port		
HDMI CableUSB CableStand BarSilicon FootPower plug(US/EU/UK)Quick start guidePower requirement12V 1.5A DC802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 - 40° C / 32 - 104° FStorage Humidity: 10 - 85% @ 40° C / 104° Fnon-condensingDimensions261 x 167.2 x 29 mmWeightSafetyUL/CB certified AC adaptersCertifications	Local storage	8 GB eMMC with Micro SD card expansion slot		
USB CableStand BarSilicon FootPower plug(US/EU/UK)Quick start guidePower requirement12V 1.5A DC802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 - 40° C / 32 - 104° FStorage Humidity: 10 - 85% @ 40° C / 104° Fnon-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI	Accessories	DC Power adapter		
Stand BarSilicon FootPower plug(US/EU/UK)Quick start guidePower requirement12V 1.5A DC802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 - 40° C / 32 - 104° FStorage Humidity: 10 - 85% @ 40° C / 104° Fnon-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI		HDMI Cable		
Silicon FootPower plug(US/EU/UK)Quick start guidePower requirement12V 1.5A DC802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 – 40° C / 32 – 104° FStorage Humidity: 10 – 85% @ 40° C / 104° Fnon-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI		USB Cable		
Power plug(US/EU/UK) Quick start guidePower requirement12V 1.5A DC 802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 - 40° C / 32 - 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F non-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI		Stand Bar		
Quick start guidePower requirement12V 1.5A DC 802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 – 40° C / 32 – 104° F Storage Humidity: 10 – 85% @ 40° C / 104° F non-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI		Silicon Foot		
Power requirement12V 1.5A DC 802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 – 40° C / 32 – 104° F Storage Humidity: 10 – 85% @ 40° C / 104° F non-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI		Power plug(US/EU/UK)		
802.3af compliance PoE, power over EthernetPower consumption*10.96 watts maxEnvironmentalOperating temperature: 0 – 40° C / 32 – 104° F Storage Humidity: 10 – 85% @ 40° C / 104° F non-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI		Quick start guide		
Power consumption*10.96 watts maxEnvironmentalOperating temperature: 0 - 40° C / 32 - 104° FStorage Humidity: 10 - 85% @ 40° C / 104° Fnon-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI	Power requirement	12V 1.5A DC		
EnvironmentalOperating temperature: 0 - 40° C / 32 - 104° F Storage Humidity: 10 - 85% @ 40° C / 104° F non-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI		802.3af compliance PoE, power over Ethernet		
Dimensions       261 x 167.2 x 29 mm         Weight       0.740kg         Safety       UL/CB certified AC adapters         Certifications       CE/FCC/IC/BQB/HDMI	Power consumption*	10.96 watts max		
non-condensingDimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI	Environmental	Operating temperature: 0 – 40° C / 32 – 104° F		
Dimensions261 x 167.2 x 29 mmWeight0.740kgSafetyUL/CB certified AC adaptersCertificationsCE/FCC/IC/BQB/HDMI		Storage Humidity: 10 – 85% @ 40° C / 104° F		
Weight     0.740kg       Safety     UL/CB certified AC adapters       Certifications     CE/FCC/IC/BQB/HDMI		non-condensing		
Safety     UL/CB certified AC adapters       Certifications     CE/FCC/IC/BQB/HDMI	Dimensions	261 x 167.2 x 29 mm		
Certifications CE/FCC/IC/BQB/HDMI	Weight	0.740kg		
	Safety	UL/CB certified AC adapters		
Warranty         One-year limited parts & labor	Certifications	CE/FCC/IC/BQB/HDMI		
	Warranty	One-year limited parts & labor		

#### 6.2. 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 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