

32BDL3110Q

43BDL3110Q

50BDL3110Q

55BDL3110Q

65BDL3110Q

V1.00



www.philips.com/welcome

User Manual (English)

PHILIPS

SignageSolutions

Safety Instructions

Safety precautions and maintenance



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

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

Operation:

- Keep the display out of direct sunlight and away from stoves or any other heat sources.
- Remove any object that could fall into ventilation holes or prevent proper cooling of the display's electronics.
- Do not block the ventilation holes on the cabinet.
- When positioning the display, make sure the power plug and outlet are easily accessible.
- When turning off the display by detaching the power cord, wait 6 seconds before re-attaching the power cord for normal operation.
- Ensure the use of an approved power cord provided by Philips at all times. If your power cord is missing, please contact your local service center.
- Do not subject the display to severe vibration or high impact conditions during operation.
- Do not knock or drop the display during operation or transportation.
- The eye bolt is for usage in short-time maintenance and installation. We suggest not to use the eye bolt for more than 1 hour. Prolong usage is prohibited. Please keep a clear safety area under the display while using the eye bolt.

Maintenance:

- To protect your display from possible damage, do not put excessive pressure on the LCD panel. When moving your display, grasp the frame to lift; do not lift the display by placing your hand or fingers on the LCD panel.
- Unplug the display if you are not going to use it for an extensive period of time.
- Unplug the display if you need to clean it with a slightly damp cloth. The screen may be wiped with a dry cloth when the power is off. However, never use organic solvent, such as, alcohol, or ammonia-based liquids to clean your display.
- To avoid the risk of shock or permanent damage to the set, do not expose the display to dust, rain, water or an excessively moist environment.
- If your display becomes wet, wipe it with dry cloth as soon as possible.
- If a foreign substance or water gets in your display, turn the power off immediately and disconnect the power cord. Then remove the foreign substance or water, and send the unit to the maintenance center.
- Do not store or use the display in locations exposed to heat, direct sunlight or extreme cold.
- In order to maintain the best performance of your display and ensure a longer lifetime, we strongly recommend using the display in a location that falls within the following temperature and humidity ranges.
 - Temperature: 0-40°C 32-104°F
 - Humidity: 20-80% RH
- LCD panel temperature need to be 25 degrees Celsius at all time for better luminance performance.

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

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

Service:

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



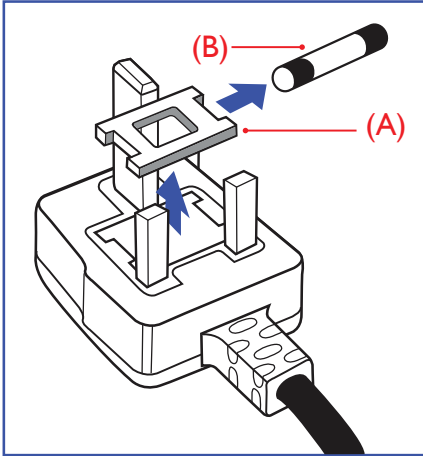
If your display does not operate normally, having followed the instructions set out in this document, please contact a technician or your local service center.

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



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

Information for U.K. only



WARNING - THIS APPLIANCE MUST BE EARTHED.

Important:

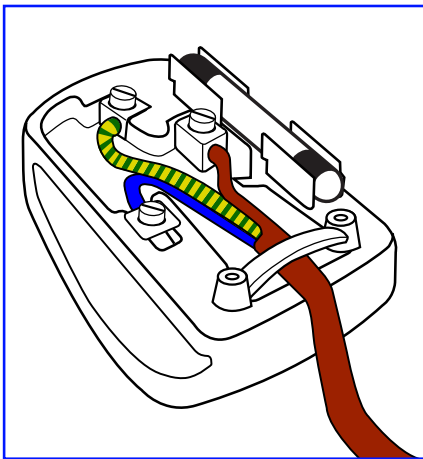
This apparatus is supplied with an approved moulded 13A plug. To change a fuse in this type of plug proceed as follows:+

1. Remove fuse cover and fuse.
2. Fit new fuse which should be a BS 1362 5A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate 3-pin plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

NOTE: The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.



How to connect a plug

The wires in the mains lead are coloured in accordance with the following code:

BLUE - "NEUTRAL" ("N")

BROWN - "LIVE" ("L")

GREEN & YELLOW - "EARTH" ("E")

1. The GREEN & YELLOW wire must be connected to the terminal in the plug which is marked with the letter "E" or by the Earth symbol or coloured GREEN or GREEN & YELLOW.
2. The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.
3. The BROWN wire must be connected to the terminal which marked with the letter "L" or coloured RED.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the three wires.

North Europe (Nordic Countries) Information

Placering/Ventilation

VARNING:

FÖRSÄKRA DIG OM ATT HUVUDBRYTARE OCH UTTAG ÄR LÄTÅTKOMLIGA, NÄR DU STÄLLER DIN UTRUSTNING PÅPLATS.

Placering/Ventilation

ADVARSEL:

SØRG VED PLACERINGSFOR, AT NETLEDNINGENS STIK OG STIKKONTAKT ER NEMT TILGÆNGELIGE.

Paikka/Ilmankierto

VAROITUS:

SIIJOITA LAITE SITEN, ETTÄ VERKKOJOHTO VOIDAAN TARVITTAESSA HELPOSTI IRROTTAA PISTORASIESTA.

Plassering/Ventilasjon

ADVARSEL:

NÅR DETTE UTSTYRET Plasseres, MÅ DU PASSE PÅ AT KONTAKTENE FOR STØMTILFØRSEL ER LETTE Å NÅ.

End-of-Life Disposal

Your new Public Information Display contains materials that can be recycled and reused. Specialized companies can recycle your product to increase the amount of reusable materials and to minimize the amount to be disposed of.

Please find out about the local regulations on how to dispose of your old display from your local Philips dealer:

(For customers in Canada and U.S.A.)

This product may contain lead and/or mercury. Dispose of in accordance to local-state and federal regulations. For additional information on recycling contact www.eia.org (Consumer Education Initiative)

Waste Electrical and Electronic Equipment-WEEE

Attention users in European Union private households



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

Attention users in United States:

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

End of Life Directives-Recycling



Your new Public Information Display contains several materials that can be recycled for new users.

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

Restriction on Hazardous Substances statement (India)

This product complies with the "E-Waste (Management) Rules, 2016" CHAPTER V, rule 16, sub-rule (1) .Whereas New Electrical and Electronic Equipment and their components or consumables or parts or spares do not contain Lead, Mercury, Cadmium, Hexavalent Chromium, polybrominated biphenyls and polybrominated diphenyl ethers beyond a maximum concentration value of 0.1% by weight in homogenous materials for lead, mercury, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers and of 0.01% by weight in homogenous materials for cadmium. except of exemptions set in Schedule 2 of the Rule.

E-Waste Declaration for India



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment .The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about E -waste please visit <http://www.india.philips.com/about/sustainability/recycling/index.page> and to know where you can drop off your waste equipment for recycling in India please contact on below given contact details.

Helpline number: 1800-425-6396 (Monday to Saturday, 9 a.m. to 5:30 pm)

E-mail: india.callcentre@tpv-tech.com

Batteries



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

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

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

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

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



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

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1. Unpacking and Installation

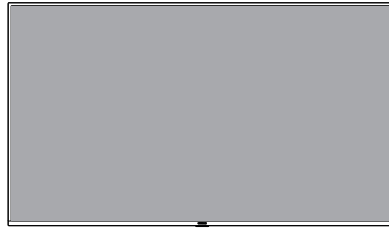
1.1. Unpacking

- This product is packed in a carton, together with the standard accessories.
- Any other optional accessories will be packed separately.
- Due to the size and weight of this display it is recommended for two people to move it.
- After opening the carton, ensure that the contents are complete and in good condition.

1.2. Package Contents

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

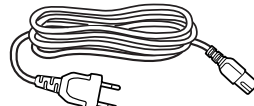
- LCD display
- Quick start guide
- Remote control with AAA batteries
- Power cord



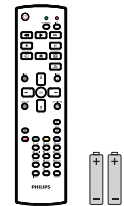
* The supplied power cord varies depending on destination.



Quick start guide



Power Cord



Remote Control and AAA Batteries

* Differences according to regions

Display design and accessories may differ from those illustrated above.

NOTES:

- For all other regions, apply a power cord that conforms to the AC voltage of the power socket and has been approved by and complies with the safety regulations of the particular country (Type H05W-F, 2G or 3G, 0.75 or 1 mm² should be used).
- You might like to save the package box and packing material for shipping the display.

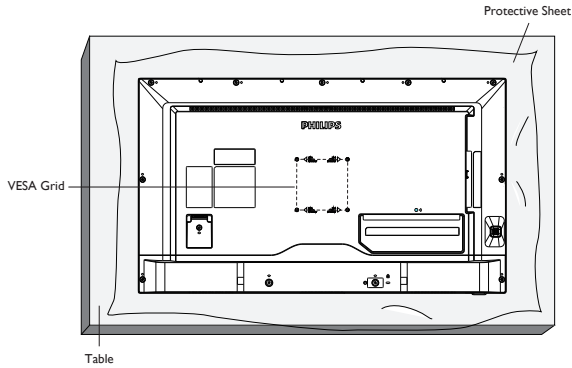
1.3. Installation Notes

- Due to the high power consumption, always use the plug exclusively designed for this product. If an extended line is required, please consult your service agent.
- The product should be installed on a flat surface to avoid tipping. The distance between the back of the product and the wall should be maintained for proper ventilation. Avoid installing the product in the kitchen, bathroom or any other places with high humidity so as not to shorten the service life of the electronic components.
- The product can normally operate only under 3000m in altitude. In installations at altitudes above 3000m, some abnormalities may be experienced.

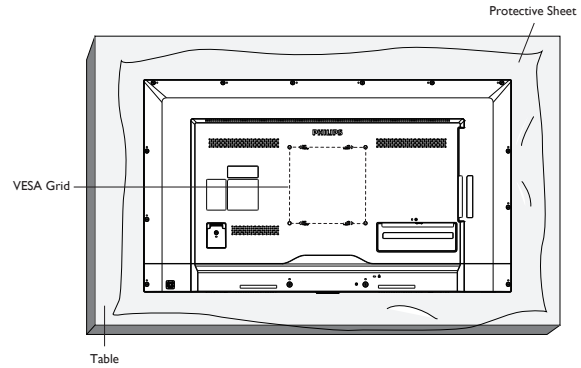
1.4. Mounting on a Wall

To mount this display to a wall, you will have to obtain a standard wall-mounting kit (commercially available). We recommend using a mounting interface that complies with TUV-GS and/or UL1678 standard in North America.

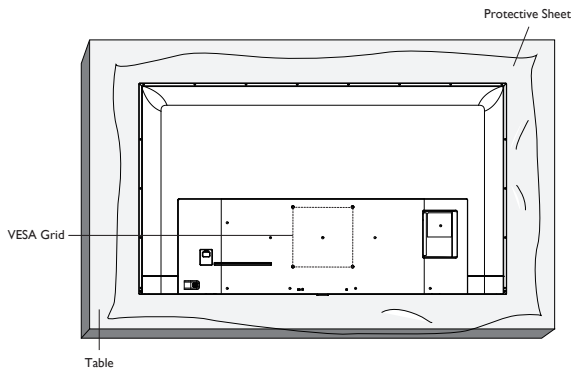
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1. Lay a protective sheet on a table, which was wrapped around the display when it was packaged, beneath the screen surface so as not to scratch the screen face.
2. Ensure you have all accessories for mounting this display (wall mount, ceiling mount, table stand, etc).
3. Follow the instructions that come with the base mounting kit. Failure to follow correct mounting procedures could result in damage to the equipment or injury to the user or installer. Product warranty does not cover damage caused by improper installation.
4. For the wall-mounting kit, use M6 mounting screws (having a length 10 mm longer than the thickness of the mounting bracket) and tighten them securely. (Please use M4 screws for 32BDL3110Q.)
5. The equipment and its associated mounting means still remain secure during the test. For use only with UL Listed Wall Mount Bracket with minimum weight/load of the weight of the unit.

1.4.1. VESA Grid

32BDL3110Q	100(H) x 100(V) mm
43BDL3110Q	200(H) x 200(V) mm
50BDL3110Q	200(H) x 200(V) mm
55BDL3110Q	200(H) x 200(V) mm
65BDL3110Q	300(H) x 200(V) mm

1.4.2. Weight of the unit

32BDL3110Q	5.1 kg
43BDL3110Q	8.4 kg
50BDL3110Q	12.0 kg
55BDL3110Q	14.0 kg
65BDL3110Q	21.0 kg

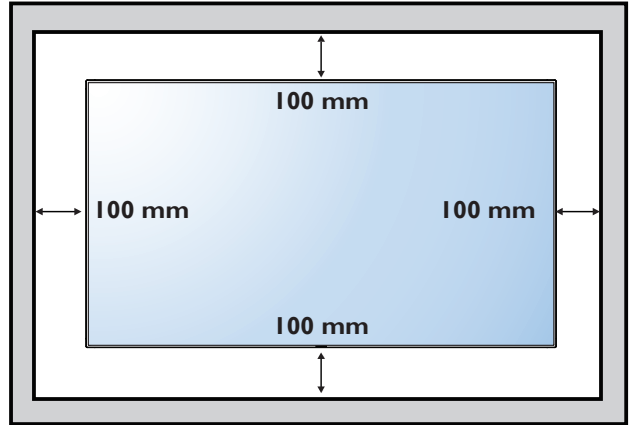
Caution:

To prevent the display from falling:

- For wall or ceiling installation, we recommend installing the display with metal brackets which are commercially available. For detailed installation instructions, refer to the guide received with the respective bracket.
- To lessen the probability of injury and damage resulting from fall of the display in case of earthquake or other natural disaster, be sure to consult the bracket manufacturer for installation location.

Ventilation Requirements for enclosure locating

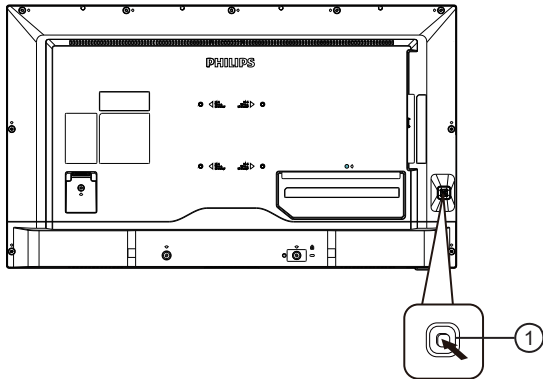
To allow heat to disperse, leave space between surrounding objects as shown in the diagram below.



2. Parts and Functions

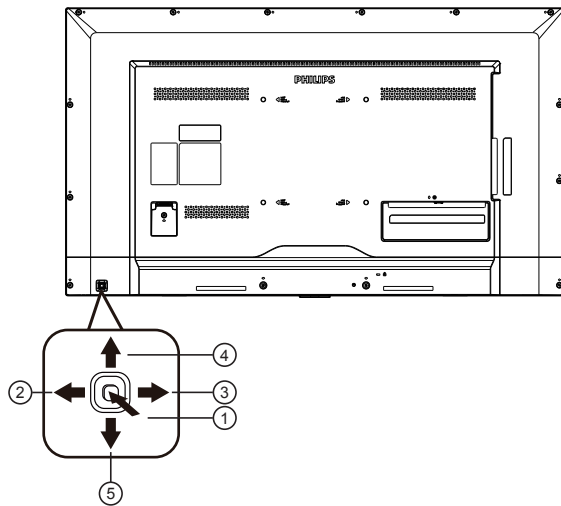
2.1. Control Panel

32BDL3110Q



- Press to switch power on.
- Press more than 5 seconds to switch power off.
- Confirm the OSD adjustment.

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- Press to switch power on.
- Press more than 5 seconds to switch power off.
- Confirm the OSD adjustment.



- Increase the volume.
- Android interface: move to the right.
- Main Menu: enter into submenu while OSD menu is on.



- Decrease the volume
- Android interface: move to the left.
- Main Menu: back to previous menu while OSD menu is on

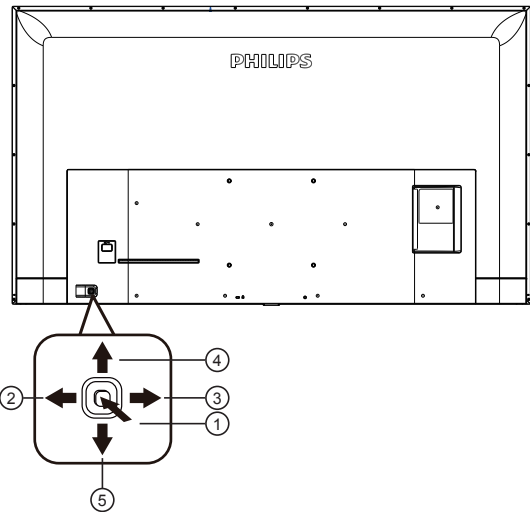


- Android interface: move up.
- Main Menu: move the highlight bar up to adjust the selected item while OSD menu is on



- Android interface: move down.
- Main Menu: move the highlight bar down to adjust the selected item while OSD menu is on.

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- Press to switch power on.
- Press more than 5 seconds to switch power off.
- Confirm the OSD adjustment.



- Increase the volume.
- Android interface: move to the right.
- Main Menu: enter into submenu while OSD menu is on.



- Decrease the volume
- Android interface: move to the left.
- Main Menu: back to previous menu while OSD menu is on



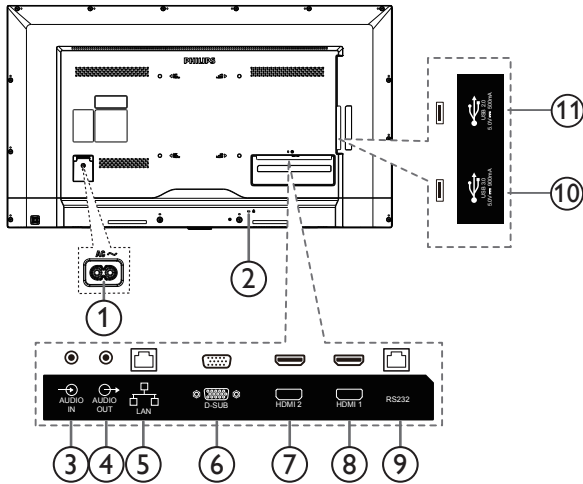
- Android interface: move up.
- Main Menu: move the highlight bar up to adjust the selected item while OSD menu is on



- Android interface: move down.
- Main Menu: move the highlight bar down to adjust the selected item while OSD menu is on.

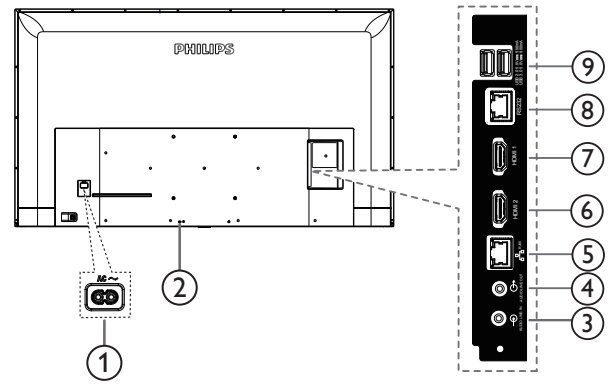
2.2. Input/Output Terminals

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- ① **AC IN**
AC power input from the wall outlet.
- ② **SECURITY LOCK**
Used for security and theft prevention.
- ③ **AUDIO IN**
Audio input for HDMI source.
- ④ **AUDIO OUT (3.5mm headphone)**
Audio output to external AV device.
- ⑤ **RJ-45**
LAN control function for the use of remote control signal from control center.
- ⑥ **VGA IN (D-Sub)**
VGA video input.
- ⑦ **HDMI2 IN** / ⑧ **HDMI1 IN**
HDMI video/audio input.
- ⑨ **RS232**
RS232 LAN input.
- ⑩ **USB PORT**
Connect your USB storage device.
- ⑪ **USB PORT**
Connect your USB storage device.

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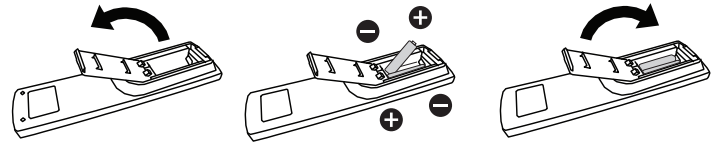
- ① **AC IN**
AC power input from the wall outlet.
- ② **SECURITY LOCK**
Used for security and theft prevention.
- ③ **AUDIO IN**
Audio input for HDMI source.
- ④ **AUDIO OUT (3.5mm headphone)**
Audio output to external AV device.
- ⑤ **RJ-45**
LAN control function for the use of remote control signal from control center.
- ⑥ **HDMI1 IN** / ⑦ **HDMI2 IN**
HDMI video/audio input.
- ⑧ **RS232**
RS232 LAN input.
- ⑨ **USB PORT**
Connect your USB storage device

2.2.1. Inserting the batteries in the remote control

The remote control is powered by two 1.5V AAA batteries.

To install or replace batteries:

1. Press and then slide the cover to open it.
2. Align the batteries according to the (+) and (-) indications inside the battery compartment.
3. Replace the cover.



Caution:

The incorrect use of batteries can result in leaks or bursting. Be sure to follow these instructions:

- Place “AAA” batteries matching the (+) and (-) signs on each battery to the (+) and (-) signs of the battery compartment.
- Do not mix battery types.
- Do not combine new batteries with used ones. It causes shorter life or leakage of batteries.
- Remove the dead batteries immediately to prevent them from liquid leaking in the battery compartment. Don't touch exposed battery acid, as it can damage your skin.

NOTE: If you do not intend to use the remote control for a long period, remove the batteries.

2.2.2. Handling the remote control

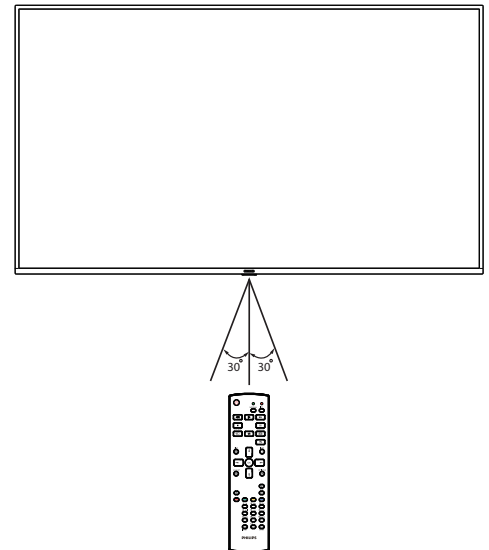
- Do not subject to strong shock.
- Do not allow water or other liquid to splash the remote control. If the remote control gets wet, wipe it dry immediately.
- Avoid exposure to heat and steam.
- Other than to install the batteries, do not open the remote control.

2.2.3. Operating range of the remote control

Point the top of the remote control toward the display's remote control sensor when pressing a button.

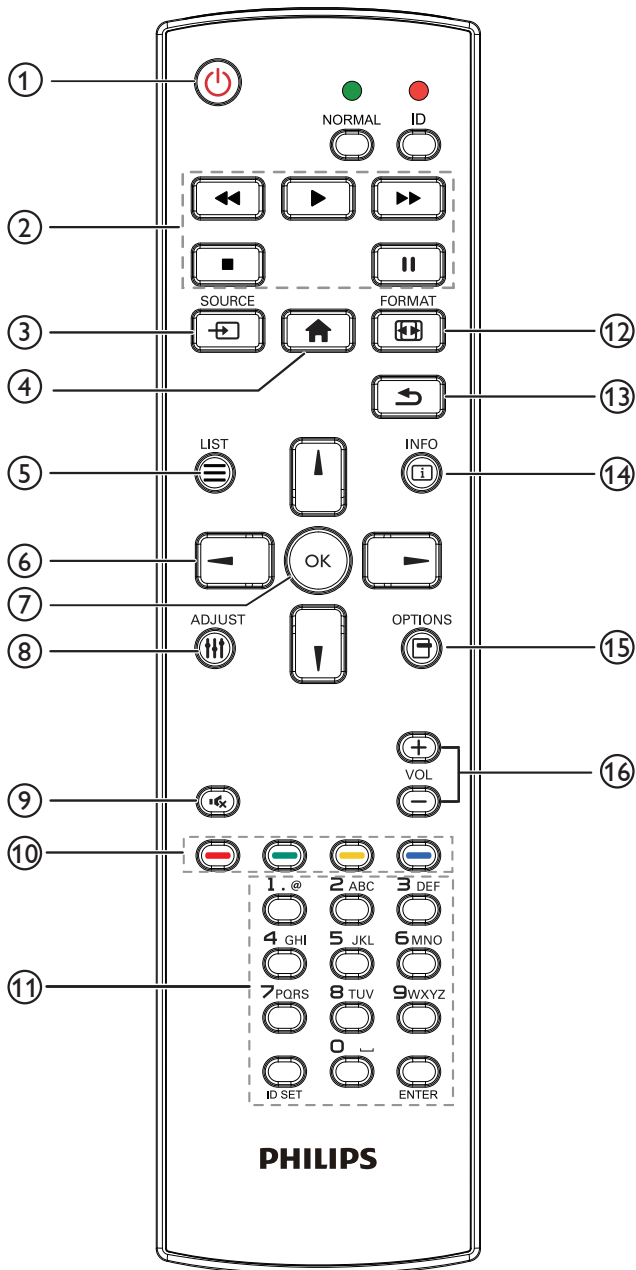
Use the remote control within a distance of less than 5m/16ft from the display's sensor; and a horizontal and vertical angle of less than 30 degrees.

NOTE: The remote control may not function properly when the remote control sensor on the display is under direct sunlight or strong illumination, or when there is an obstacle in the path of signal transmission.



2.3. Remote Control

2.3.1. General functions



① **[POWER] POWER button**

Power ON/OFF.

② **[PLAY] buttons**

Control playback of media files.(for Media Input only)

Freeze feature

Pause: Freeze hot key for all inputs content.

Play: Unfreeze hot key for all input content.

③ **[SOURCE] SOURCE button**

Root Menu: Go to Video source OSD.

Press to turn on the display when standby.

④ **[HOME] HOME button**

Access the OSD main menu.

⑤ **[LIST] LIST button**

No function.

⑥ **NAVIGATION buttons**



Android interface: move up.

Main Menu: Move the highlight bar up to adjust the selected item.



Android interface: move down.

Main Menu: Move the highlight bar down to adjust the selected item.



Android interface: move to the left.

Main Menu: go to previous level menu.

Source Menu: move to select the left item.

Volume Menu: decrease Audio Volume.

When playing multimedia, long press to fast backward.



Android interface: move to the right.

Main Menu: go to next level menu or set selected option.

Source Menu: move to select the right item.

Volume Menu: increase Audio Volume.

When playing multimedia, long press to fast forward.

⑦ **[OK] button**

Confirm an entry or selection.

⑧ **[ADJUST] ADJUST button**

No function.

⑨ **[MUTE] MUTE button**

Toggle Audio Mute/Unmute.

⑩ **[COLOR] COLOR buttons**

No function.

⑪ **[Number/ ID SET/ ENTER] button**

Enter text for network setting.

⑫ **[FORMAT] FORMAT button**

No function.

⑬ **[BACK] BACK button**

Return to the previous menu page or exit from the previous function.

⑭ **[INFO] INFO button**

Show Information OSD

⑮ **[OPTIONS] OPTIONS button**

Access currently available options, picture and sound menus.

Rename the playlist. (for Media Input/All App/PDF Player/FileManager).

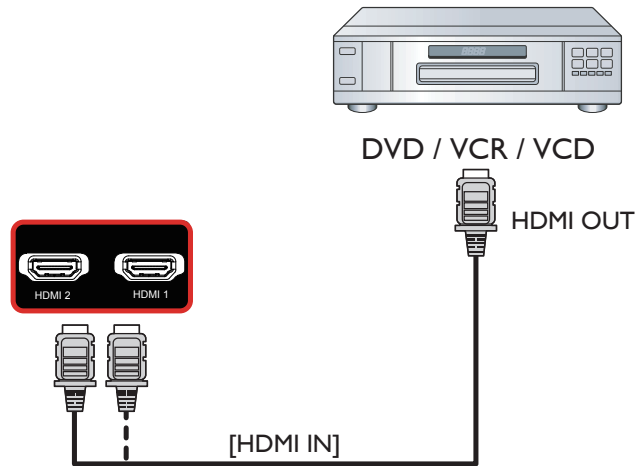
⑯ **[VOLUME] VOLUME button**

Adjust volume.

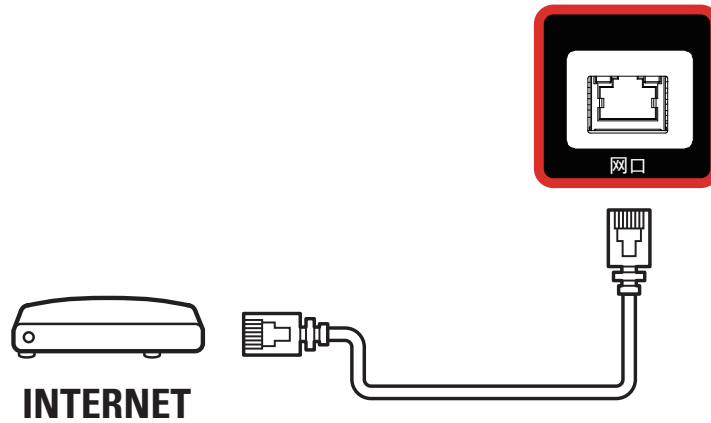
3. Connecting External Equipment

3.1. Connecting External Equipment (DVD/VCR/VCD)

3.1.1. Using HDMI video input

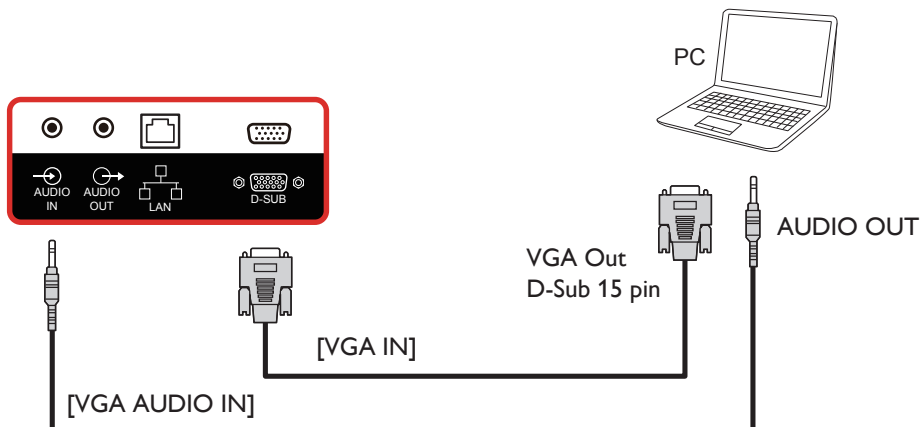


3.1.2. Wire-connecting to Network

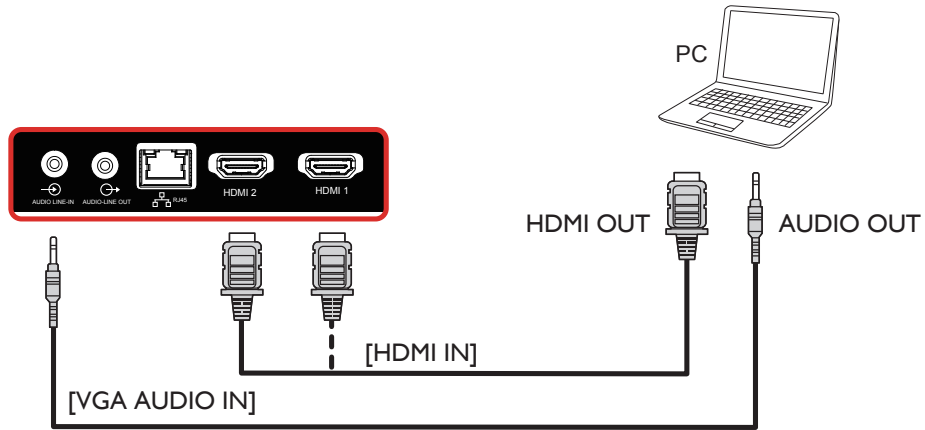


3.2. Connecting a PC

3.2.1. Using VGA input (32BDL3110Q/43BDL3110Q)

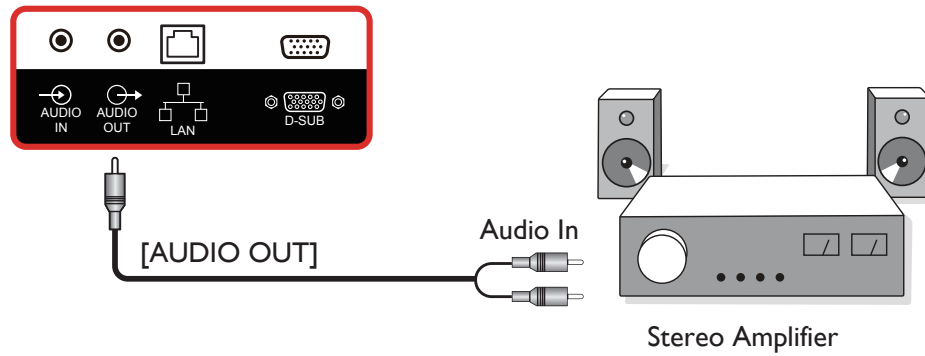


3.2.2. Using HDMI input



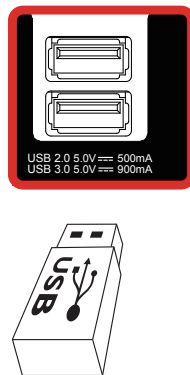
3.3. Connecting Audio Equipment

3.3.1. Connecting an external audio device



3.4. Connecting USB

3.4.1. Using USB device

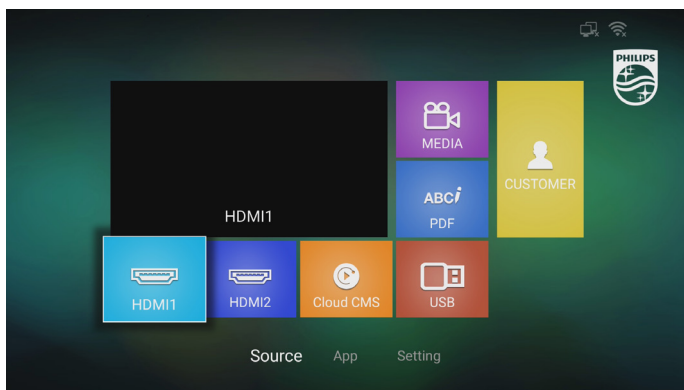


4. Operation

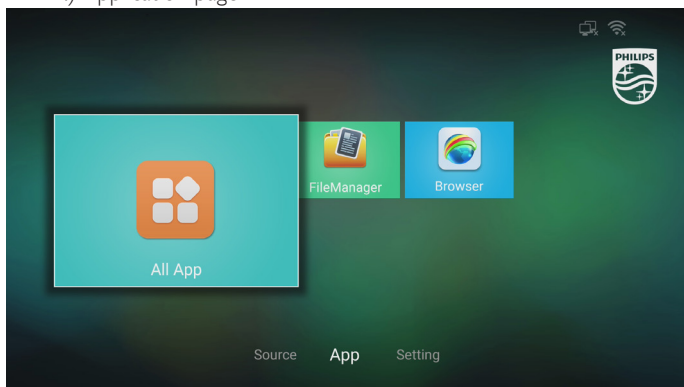
NOTE: The control button described in this section is mainly on the remote control unless specified otherwise.

4.1. Overview

- Android PD launcher:
 - Press "Home + 1888" to enter the Admin mode. Please make sure that you see the Home OSD menu after "Home" is pressed, and then press 1888 in sequence. Two continuous "Home" keys will not be a valid hotkey.
 - The Admin mode consists of the following Apps: "Source", "Apps" and "Settings".
 - When leaving from the Admin mode, the system will return to last source.

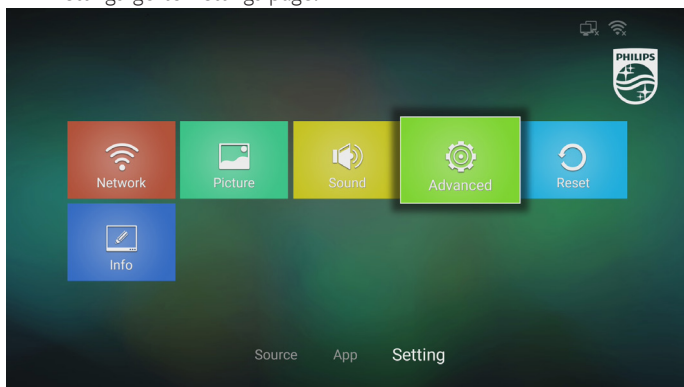


2.) Application page:



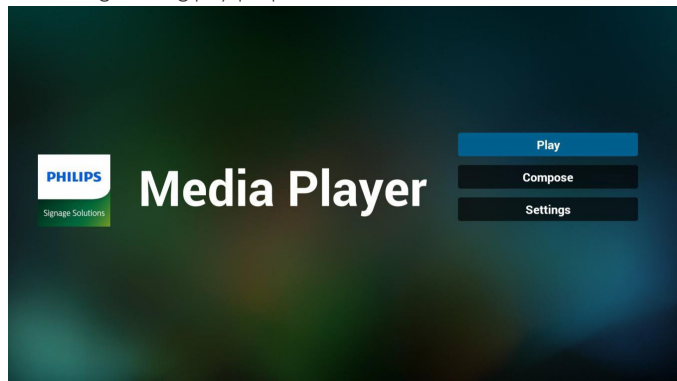
3) Settings page:

Settings: go to Settings page.

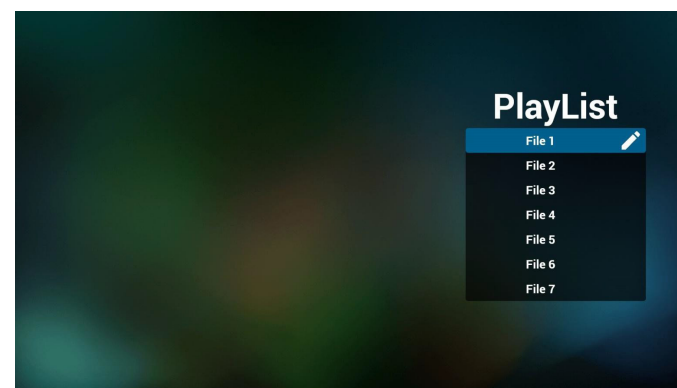


4.2. Media Player introduction:

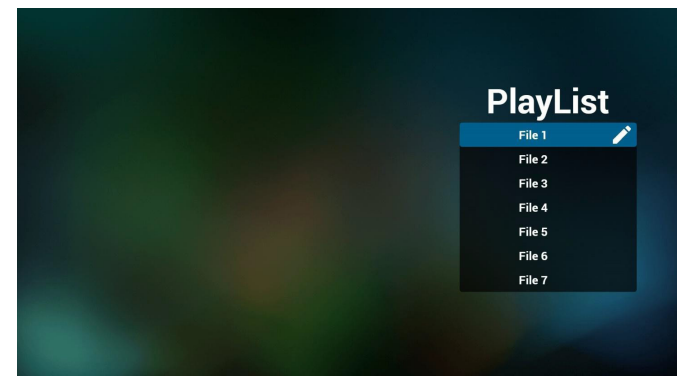
- Home page of Media Player; this page has three items: "Play", "Compose" and "Settings".
 - Play: select playlist to play.
 - Compose: edit playlist.
 - Settings: setting play properties.



- Select "Play" on home page, first you should choose one playlist to play between FILE 1 and FILE 7.
The pencil icon means the playlist is non-empty.



- Select "Compose" on home page, first you should choose one playlist to edit between FILE 1 and FILE 7.
The pencil icon means the playlist is non-empty.



- If an empty playlist is chosen, the app will guide you to select the media source.

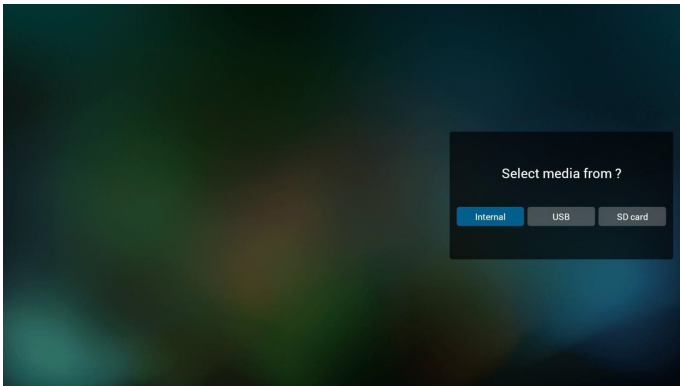
All media files should be placed in the root directory.

For example,

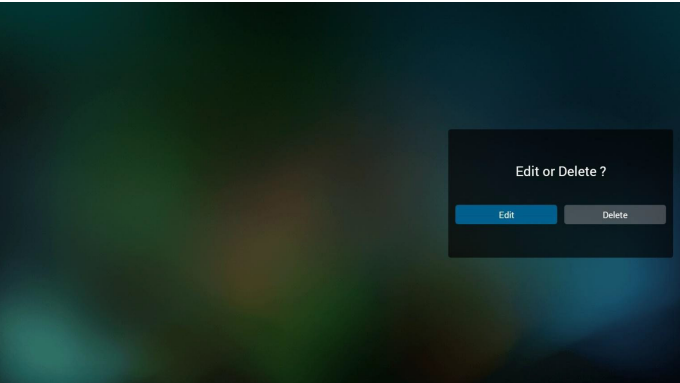
videos: {root dir of storage}/video/

photos: {root dir of storage}/photo/

music : {root dir of storage}/music/



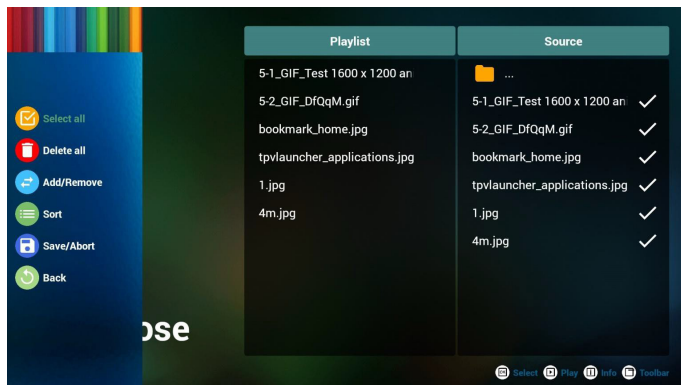
5. You could edit or delete a non-empty playlist, just choose the desired playlist which is with pencil icon.



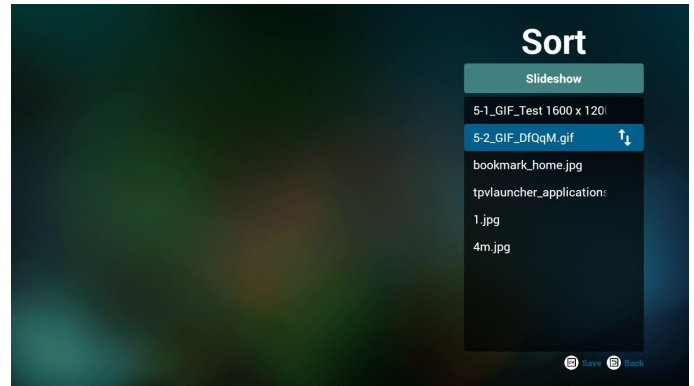
6. Once you start to edit a playlist, you will see below screen.
 Source - files in storage.
 Playlist – files in playlist.
 There are 4 icons which map to the keys of remote controller:
 Option key – launch slide bar
 Play key – play media file.
 Info key – show media info.
 Ok key – select/unselect file.

6-1 In the slide bar, it helps you to do the following:

- select all : select all storage files.
- delete all : delete all playlist files.
- add/remove : update playlist from source.
- sort : sort playlist.
- save/abort : save or abort playlist.
- back : return.



7. If you choose “Sort” in the slide bar, you can change the order of files one by one.



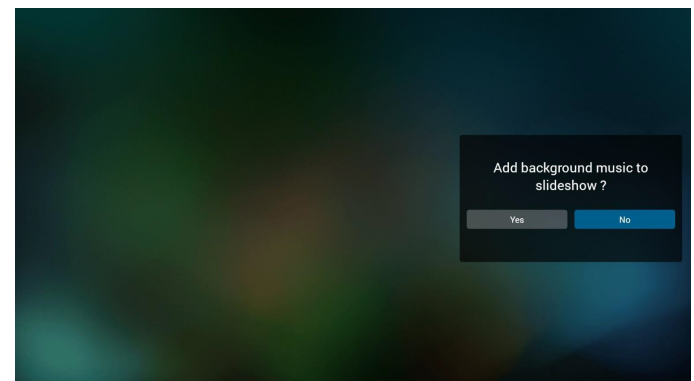
8. Press info key after you choose desired file, you will get the detail information.



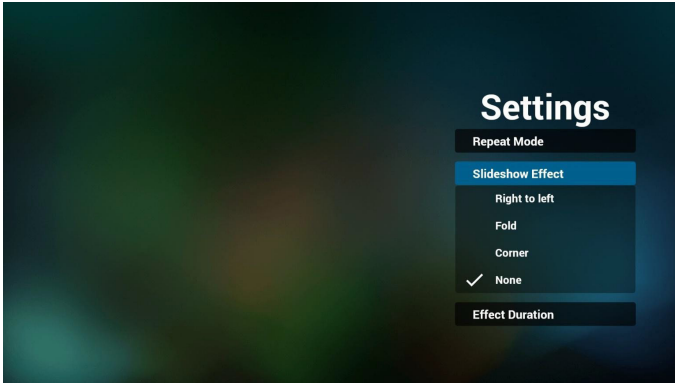
9. Press play key after you choose desired file, you will play the media file directly.



10. If you make a playlist with all images files, before saving, the app will ask you if you want to have background music while playing slideshow.



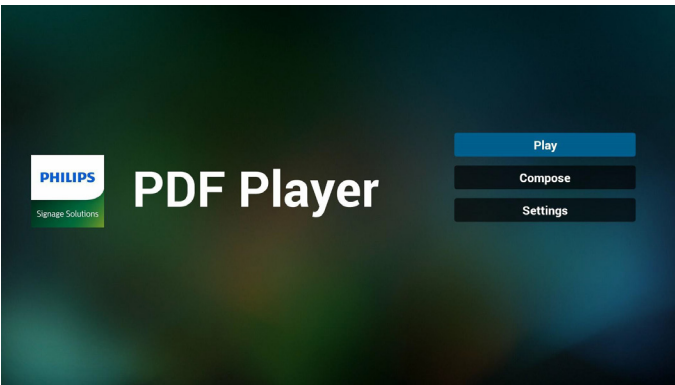
11. Select "Settings" on home page, this page has three parts, "Repeat Mode", "Slideshow Effect" and "Effect Duration".
Repeat Mode : play mode.
Slideshow Effect : photo slideshow effect.
Effect Duration : photo effect duration.



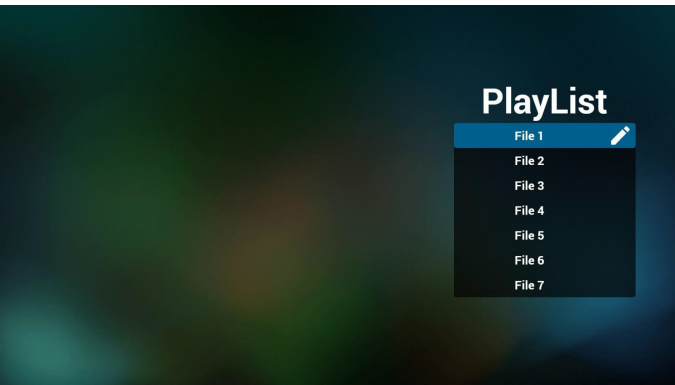
12. Media Hotkey
Play : Playback file.
Pause: Pause file.
Fast forward: forward 10 second.
Rewind: back 10 second.
Stop: Stop file and return to start. If the gif file, it like the pause.

4.3. PDF reader play

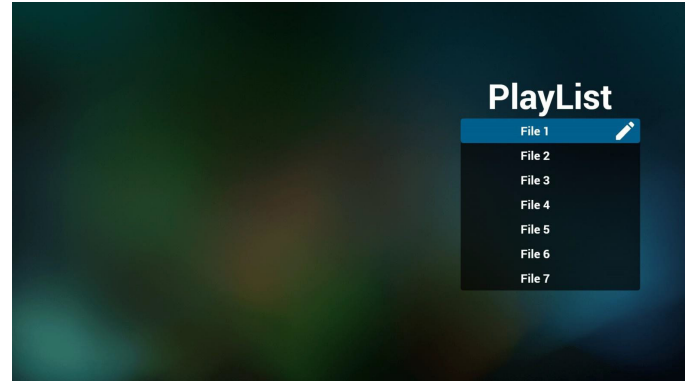
1. Home page of PDF Player; this page has three items: "Play", "Compose" and "Settings".
Play : select playlist to play.
Compose: edit playlist.
Settings: setting play properties.



2. Select "Play" on home page, first you should choose one playlist to play between FILE 1 and FILE 7.
The pencil icon means the playlist is non-empty.

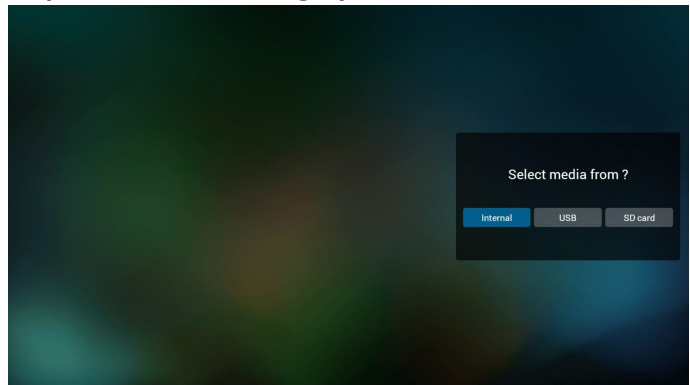


3. Select "Compose" on home page, first you should choose one playlist to edit between FILE 1 and FILE 7.
The pencil icon means the playlist is non-empty.

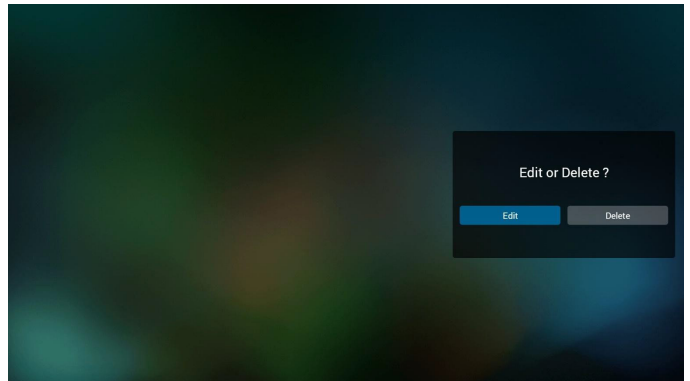


4. If an empty playlist is chosen, the app will guide you to select the media source.
All media files should be placed in the root directory.
For example,

pdfs : {root dir of storage}/pdf/



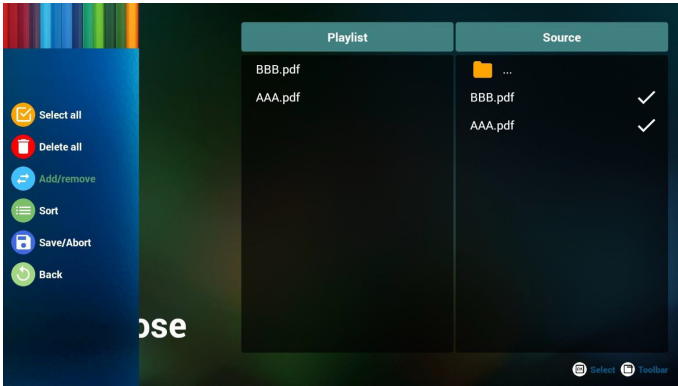
5. You could edit or delete a non-empty playlist, just choose the desired playlist which is with pencil icon.



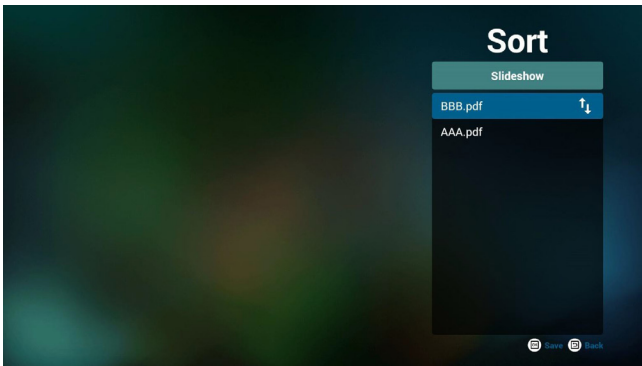
6. Once you start to edit a playlist, you will see below screen.
Source - files in storage.
Playlist – files in playlist.
There are 4 icons which map to the keys of remote controller:
Option key – launch slide bar
Play key – play media file.
Info key – show media info.
Ok key – select/unselect file.

6-1. In the slide bar, it helps you to do the following:

- select all : select all storage files.
- delete all : delete all playlist files.
- add/remove : update playlist from source.
- sort : sort playlist.
- save/abort : save or abort playlist.
- back : return.



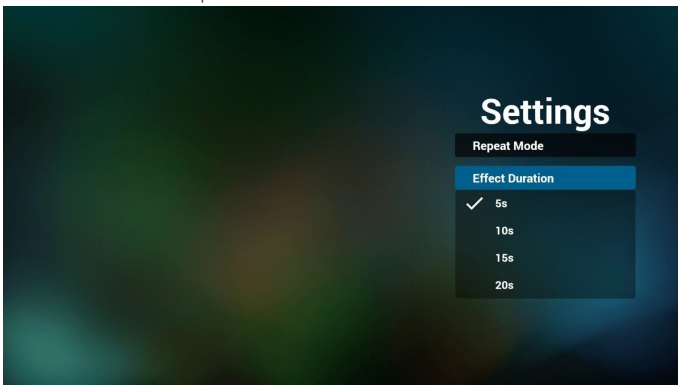
7. If you choose "Sort" in the slide bar, you can change the order of files one by one.



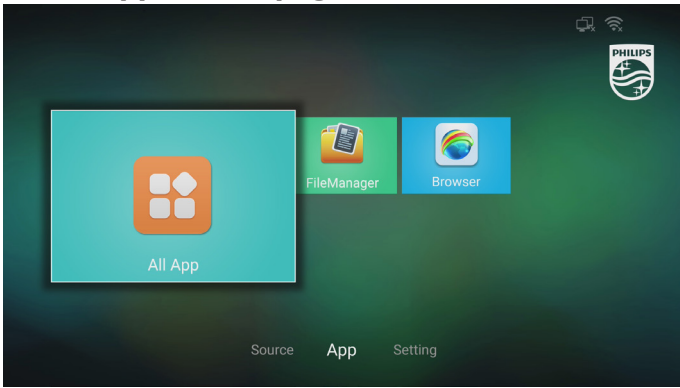
8. Select "Settings" on home page, this page has two parts, "Repeat Mode" and "Effect Duration".

Repeat Mode : play mode.


Effect Duration : photo effect duration.

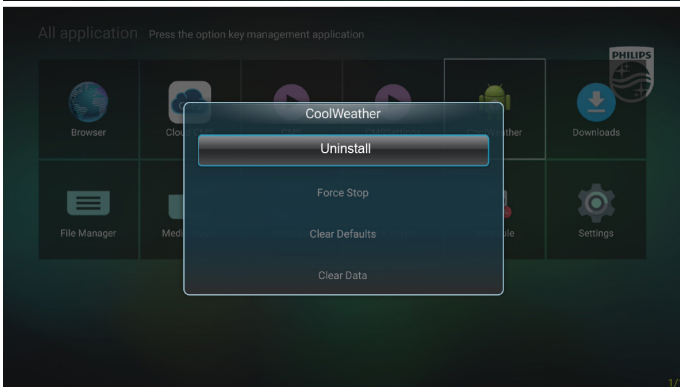
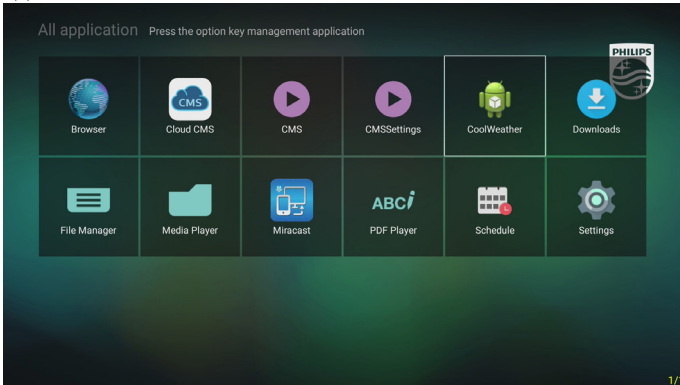


4.4. Application page

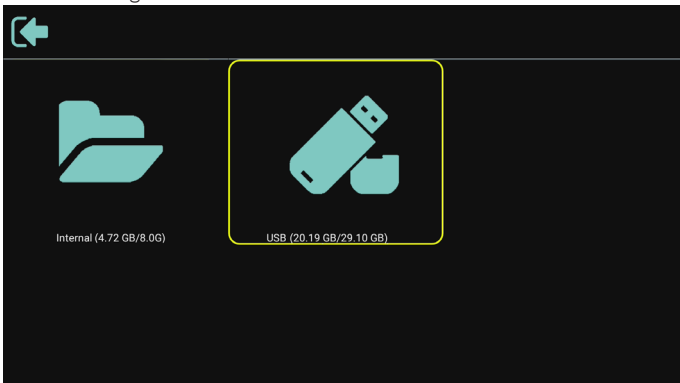


1. All App: show the all the application

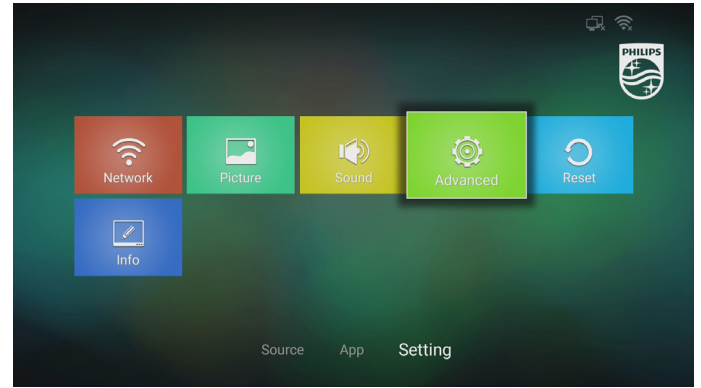
When select the application, press the  option key to manage the application.



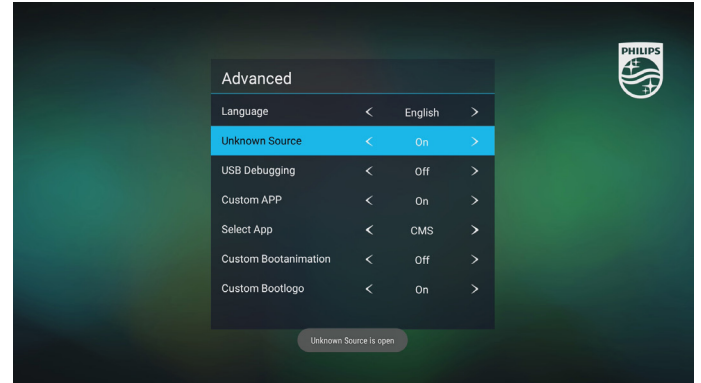
2. File manager



4.5. Setting page



There are setting for network, picture, sound, advanced, reset and show the information about the display.



4.5.1. How to Install Android app?

There is the way to install your own Android App.

Via File Manager in Admin Mode

1. If you have apk already


- 1.1 Copy your APK to the USB disk, and plug the storage device into the Display.
- 1.2 Go to **Admin Mode > Setting > Advanced**, **Unknown Source** set to **On**.
- 1.3 Then go to **Admin Mode > App > File Manager**
- 1.4 Use File Manager to find your APK to be installed. Simply press "OK" on the selected APK.

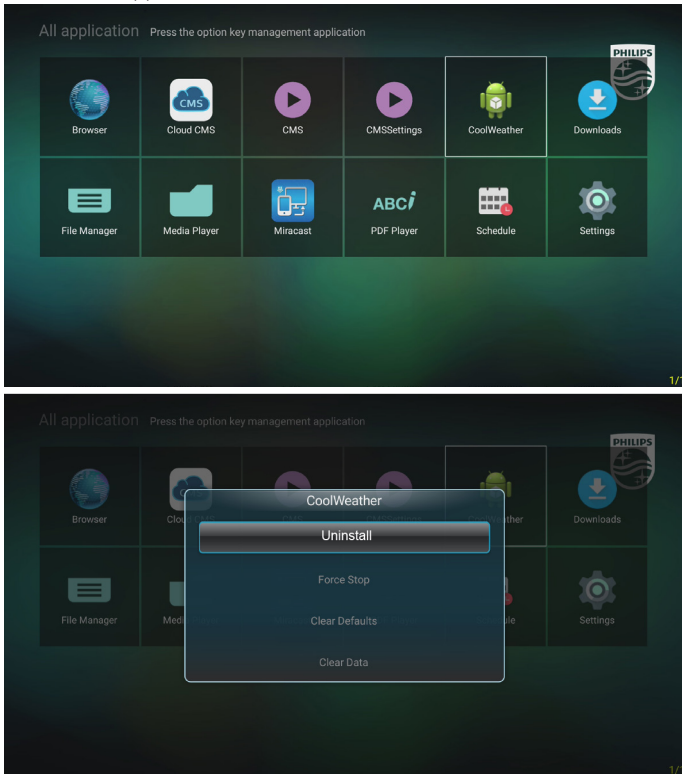
2. Download an APK using the Chromium browser; then go to

<internal storage path>/Download/ by File Manager.

2.1 The next steps are the same as described above. Please note, each model may have different <internal storage path>.

4.5.2. How to uninstall Android app?

Go to **Admin Mode > App > All App**, then show the all the application. Select the application that you want to uninstall, press the  option key to show the menu, and select Uninstall. Follow the screen menu to uninstall the app.



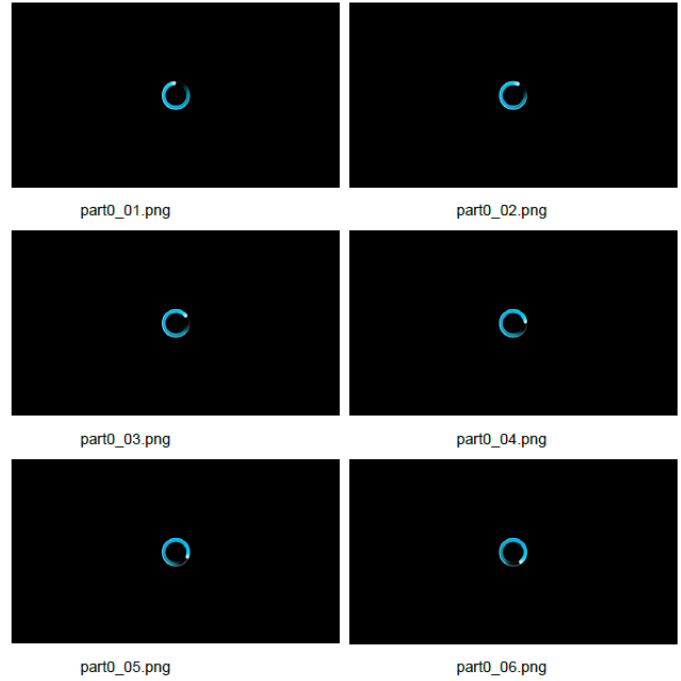
4.5.3. How to boot the Custom animation?

1. Copy your file **bootanimation.zip** to the USB disk, and plug the storage device into the Display.

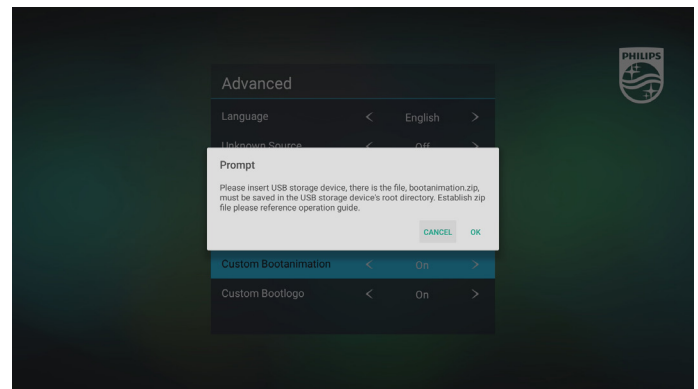
{root dir of storage}/bootanimation.zip

Note:

- a. The number of pictures is less than or equal to 30, named sequentially, such as part0_01.png, part0_02.png, part0_03.png.
- b. The image size is 1920X1080 pixels, the single file should be less than or equal to 2M.
- c. Put the images in the same folder, while the folder is named: part0.
- d. The document is packaged and compressed into a **zip** file, and the engineer configures other files to create a **bootanimation.zip** file.



2. Go to **Admin Mode > Setting > Advanced**, Custom Bootanimation set to **On**.

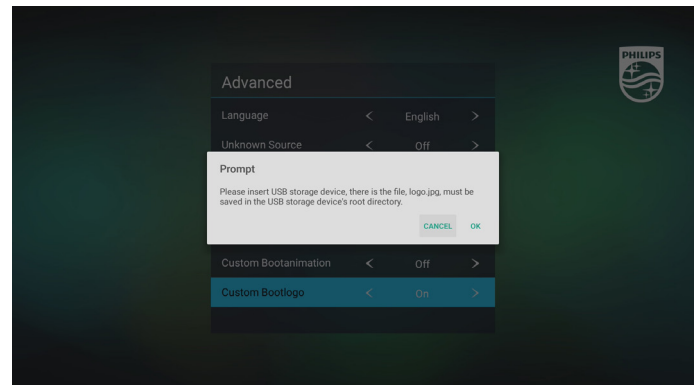


4.5.4. How to boot the Custom logo?

1. Copy your file **logo.jpg** to the USB disk, and plug the storage device into Philips Android Signage Display.

{root dir of storage}/logo.jpg (file size 1920x1080 pixel)

- 1.2 Go to **Admin Mode > Setting > Advanced**, Custom Bootlogo set to **On**.



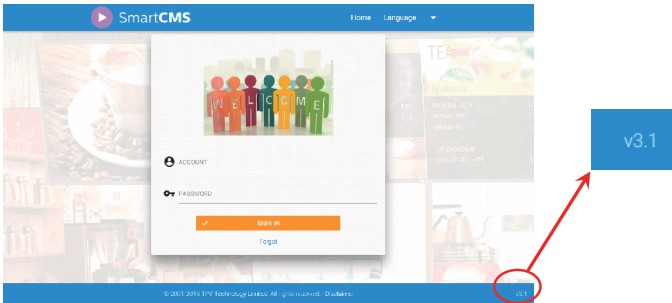
4.6. Using CMS 3.1

1. System Requirement

	System Requirement
Operating Systems	Windows 7,8,10 (32/64 bit)
CPU	2.5GHz CPU or faster
RAM	4GB
Hard Disk	100GB
Network card	10/100/1000 Ethernet card

2. Application

- Installation wizard
- Auto detect system language
- 32/64 bit auto detection
- Install with PC Administrator

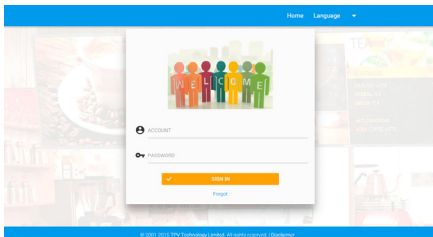


3. Login

Login with account/password

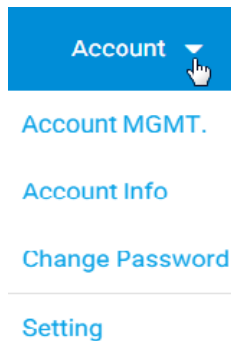
Account: admin

Password (Default): admin



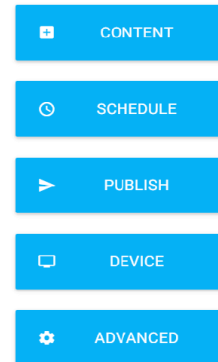
4. Account

- Admin can create new normal users.
- Admin or a normal user can change his ownpassword
- If a normal user forgot his password, admin can help to reset password to Ab123456



5. Functions

- CONTENT: design your layout of advertisement (AD)
- SCHEDULE: give your AD with schedule
- PUBLISH: publish AD with schedule to devices
- DEVICE: device management
- ADVANCED: instant message backup/restore

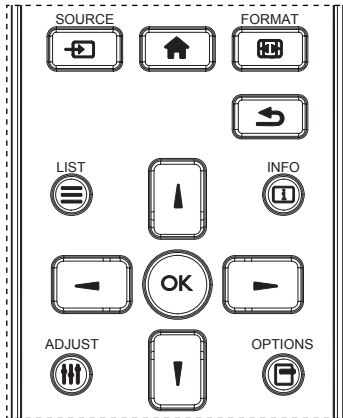


5. OSD Menu

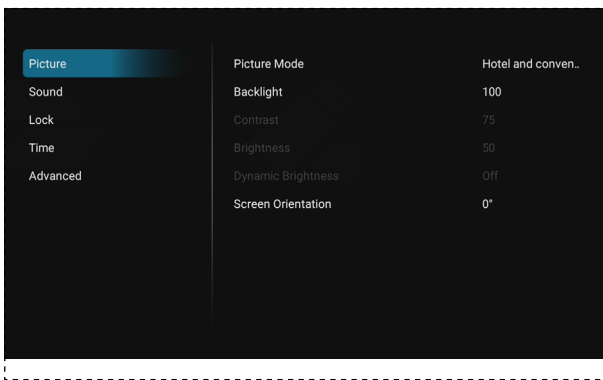
An overall view of the On-Screen Display (OSD) structure is shown below. You can use it as a reference for further adjustment of your display.

5.1. Navigating the OSD Menu

5.1.1. Navigating the OSD menu using the remote control




1. Press **[Home]** button on the remote control to display the OSD menu.



2. Press **[Up]** or **[Down]** button to choose the item you want to adjust.
3. Press **[OK]** or **[Right]** button to enter the submenu.
4. In the submenu, press **[Up]** or **[Down]** button to toggle among items, press **[Left]** or **[Right]** button to adjust settings. If there is a submenu, press **[OK]** or **[Right]** button to enter the submenu.
5. Press **[Refresh]** button to return to the previous menu, or press **[Home]** button to exit the OSD menu.

5.2. OSD Menu Overview

Column 1	Column 2	Column 1, 3	Column 2, 3 or Column 2, 2	Remarks
Picture	Picture Mode	Mode	Standard	
			Vivid	
			Soft	
			User	
		Brightness	[0 ... 100]	
		Contrast	[0 ... 100]	
		Backlight	[0 ... 100]	
		Dynamic Backlight	On/Off	
	Advanced	VGA Setting	Auto	
			H Position	[0 ... 100]
			V Position	[0 ... 100]
			Clock	[0 ... 100]
			Phase	[0 ... 100]
Color temp		Standard		
		Cool		
	Warm			
Over scan	On/Off			
PC Mode	PC /Video/Auto	You can use this function to change the PC timing or video timing.		
Screen Orientation	Screen Orientation	0, 90, 180, 270		
Sound	Audio Source	Standard		
		News		
		Music		
		Movie		
	Sound Device	HDMI		Available only in the HDMI Source
		Line in		
Advanced	Balance	[-50 ... +50]		
	Volume	[0 ... 100]		
Lock	Key Lock	Off		<p>Default password: 0000</p> <p>Switch Key Lock On:</p> <p>Step 1: After 5 seconds, there is no operation to lock the functions of the remote control, buttons, and mouse operation.</p> <p>Step 2: After the functions are locked, press the button "  (home)+1998" on the remote control, and then enter the correct password in the password dialog box to unlock the functions. At this time, the mouse and keyboard are still locked, and the mouse and keyboard only work when <lock key> is set to <off>.</p> <p>Step 3: Repeat step 1 after operation.</p>
		[type password]		
	Change Password	Current Password		
		New Password		
		Confirm Password		
		Cancel/OK		
Time	Time Setup	Time Setting	Date Picker	Set Year/Month/Date Time: Minute
		Sleep Time	"OFF/10 min /20 min /30 min /60 min /90 min /120 min /180 min /240 min "	
		Auto Sleep	Off/5 s /10 s /30 s /60 s	
		Time Sync	network Time/OFF	
		Time Zone	Calcutta/Beijing/Harare/Karachi/ Brazzaville/Beirut/Jerusalem/Tehran/ Baghdad/Ulaanbaatar/Damascus/ Sydney/Paris/Rome/London/Dubai/ Tokyo	

Advanced	Language	English		
		Chinese		
	HDMI Version	HDMI1.4		Available only
		HDMI2.0		50BDL311Q/55BDL3110Q/65BDL3110Q
	Power On Mode	Power On		
		Standby		
		Last Status		
	Boot On Source	Switch	On/Off	
		Source	Last Status/ VGA(32BDL3110Q/43BDL3110X) /HDMI1/HDMI2/CMS/PDF/MEDIA/ CUSTOMER	1. When SCHEDULE is set with startup time, but the startup time has not arrived yet, boot the device according to the signal source set in the "Boot On Source". 2. If the source is set in USB, the booting page is the "U disc homepage".
	Boot Wake	UART Wake	On/Off	When UART wake = On, RC off or power saving can both be waken up by UART wake.
		HDMI Wake	On/Off	When HDMI Wake = On, and the current source is HDMI1/2, power saving and the current HDMI source are waken up with signals.
	RS322 Control	On/Off		
	Pixel Shift	On/Off		
Uplayer Setting	Switch	On/Off	1. When Uplayer Setting switch on, Boot On Source is grayed, the setting is unavailable. 2. Supported file name: Philips_UPlay 3. To play content in Philips_UPlay, the system will cut the signal source to USB, and stay at the USB source when plugging and unplugging the USB flash drive. 4. Pivot jump to Philips_UPlay when booting, the priority is higher than the source specified by the schedule boot	
	Repeat Time	8s/16s/24s/32s	Supported file type: 1、 Photo: ".png", ".jpg" 2、 Video: ".dat", ".vob", ".ts", ".mkv", ".mov", ".3gp", ".flv", ".webm", ".wmv", ".asf", ".mp4", ".avi", ".mpg".	
Restore	Restore Default	Cancel/OK	System Reset	

Notes: To wake up PD in the HDMI source, you can set HDMI wakeup "On".

This product supports timed shutdown and timed startup functions. Refer to the "Shutdown time/Startup time" in the upper table for details.

6. Compatibility of the USB device

Format of the USB multi-media coder-decoder

Video decoding						
Type	Video coder-decoder	Container	Decoding	Coding	Channel	Remarks
MPEG1/2	MPEG1/2	File format:VOB	V			Supported size in a range from 48x48 pixels to 1920X1080 pixels Max. frame rate:30fps Max. bit rate: 80Mbps Audio coder-decoder: MP2, MP3
MPEG-4	MPEG4	File format: MKV, MP4, 3GP	V			Supported picture size in a range From 48x48 pixels 1920x1080 pixels Max. frame rate:30fps Max. bit rate: 38.4Mbps Audio coder-decoder: MP2, MP3,AAC, (1) MS MPEG4 v1/v2/v3 is not supported. (2) GMC (global movement compensation) is not supported.
H.263	H.263	File format: 3GP,MP4	V			Supported picture size: SQCIF(128x96), QCIF(176x144), CIF(352x288), 4CIF(704x576) Max. frame rate: 30fps Max. bit rate: 38.4Mbps Audio coder-decoder: MP3 (1) Not support H.263+
H.264	H.264	File format: MKV, MP4, 3GP,	V			Supported picture size: from 48x48 pixels to 1920x1080 pixels Max. frame rate:30fps Max. bit rate: 57.2Mbps Audio coder-decoder: MP2, MP3,AAC, (1) Not support MBAFF
VC-1	VC1	File format: MKV	V			Supported picture size: frame 48x48 pixels to 1920x1080 pixels Max. frame rate:30fps Max. bit rate: 45Mbps Audio coder-decoder: MP2, MP3,AAC, WMA

Audio decoding

Type	Audio coder-decoder	Container	Decoding	Coding	Channel	Remarks
MPEG audio	MPEG1/2/2.5 Audio Layer1/2/3	Decode: MP1, 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 Do not support WMA Pro non-destructive 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"

Picture decoding

Type	Picture coder-decoder	Picture	Decoding	Coding	Channel	Remarks
JPEG	JFIF file format 1.02	File format: JPG, JPEG	V			Decode: Resolution ratio 48X48 to 8176X8176 (1) Row-by-row scanning is not supported. (2) Software supports SRGB JPEG. (3) Software supports Adobe RGB JPEG.
BMP	BMP	File format: BMP	V			Supported max. picture size: 4096x4096 pixels
GIF	GIF	File format: GIF	V			No limit in resolution ratio
PNG	PNG	File format: PNG	V			No limit in resolution ratio

Notes:

- If the standard bite rate/frame rate of the contents is higher than the compatible frames/second listed in the above table, audio or video may not work.
- Video contents with a bit rate or frame rate higher than the designated rate in the above table may result in discontinuation of video during display.

7. Input mode

Computer mode (32BDL3110Q/43BDL3110Q)

Standard resolution ratio	Available resolution ratio		Refresh rate	Pixel rate	Aspect ratio
	Horizontal pixel	Perpendicular line			
VGA	640	480	60 Hz	25.175 MHz	4:3
			75 Hz	31.5 MHz	
WVGA	720	400	70 Hz	28.32 MHz	16:9
SVGA	800	600	60 Hz	40 MHz	4:3
XGA	1024	768	60 Hz	65 MHz	4:3
WXGA	1280	720	60 Hz	74.5 MHz	16:9
SXGA	1280	1024	60 Hz	108 MHz	5:4
WXGA	1366	768	60 Hz	85.5 MHz	16:9
UXGA	1600	900	60 Hz	108 MHz	16:9
UXGA	1680	1050	60 Hz	146.25 MHz	16:10
HD1080	1920	1080	60 Hz	148.5 MHz	16:9

HDMI video mode (32BDL3110Q/43BDL3110Q)

Standard resolution ratio	Available resolution ratio		Refresh rate	Pixel rate	Aspect ratio
	Horizontal pixel	Perpendicular line			
480P	640	480	60 Hz		4:03
480I	720	480	60 Hz	13.5 MHz	4:03
480I	720	480	60 Hz	13.5 MHz	16:09
480P	720	480	60 Hz	27 MHz	4:03
480P	720	480	60 Hz	27 MHz	16:09
576I	720	576	50 Hz	13.5 MHz	16:09
576I	720	576	50 Hz	13.5 MHz	4:03
576P	720	576	50 Hz	27 MHz	16:09
576P	720	576	50 Hz	27 MHz	4:03
720P	1280	720	50 Hz	74.25 MHz	16:09
720P	1280	720	60 Hz	74.25 MHz	16:09
1080I	1920	1080	50 Hz	74.25 MHz	16:09
1080I	1920	1080	60 Hz	74.25 MHz	16:09
1080P	1920	1080	50 Hz	148.5 MHz	16:09
1080P	1920	1080	60 Hz	148.5 MHz	16:09

Computer mode (50BDL3110Q/55BDL3110Q/65BDL3110Q)

Standard resolution ratio	Available resolution ratio		Refresh rate	Pixel rate	Aspect ratio
	Horizontal pixel	Perpendicular line			
VGA	640	480	60 Hz	25.175 MHz	4:3
			67 Hz	30.24 MHz	
			75 Hz	31.5 MHz	
WVGA	720	400	70 Hz	28.32 MHz	4:3
SVGA	800	600	60 Hz	40 MHz	4:3
SVGA	832	624	75 Hz	57.28 MHz	4:3
XGA	1024	768	60 Hz	65 MHz	4:3
WXGA	1152	870	75 Hz	100 MHz	4:3
WXGA	1280	720	60 Hz	74.5 MHz	5:3
SXGA	1280	1024	60 Hz	108 MHz	5:4
WXGA	1440	900	60 Hz	106.5 MHz	16:9
UXGA	1600	900	60 Hz	108 MHz	4:3
UXGA	1680	1050	60 Hz	146.25 MHz	16:10
HD1080	1920	1080	60 Hz	148.5 MHz	16:9
UHD	3840	2160	30 Hz	297 MHz	16:9
UHD	3840	2160	60 Hz	597 MHz	16:9

Recommended resolution ratio: 3840*2160@30Hz

HDMI video mode (50BDL3110Q/55BDL3110Q/65BDL3110Q)

Standard resolution ratio	Available resolution ratio		Refresh rate	Pixel rate	Aspect ratio
	Horizontal pixel	Perpendicular line			
3840 × 2160 P 60 Hz	3840	2160	60 Hz	594 MHz	16:9
3840 × 2160 P 30 Hz	3840	2160	30 Hz	297 MHz	16:9
3840 × 2160 P 25 Hz	3840	2160	25 Hz	297 MHz	16:9
3840 × 2160 P 24 Hz	3840	2160	24 Hz	297 MHz	16:9
1080 P 59.94/60 Hz	1920	1080	60 Hz	148.5 MHz	16:9
1080 P 50 Hz	1920	1080	50 Hz	148.5 MHz	16:9
1080 P 29.97/30 Hz	1920	1080	30 Hz	74.25 MHz	16:9
1080 P 25 Hz	1920	1080	25 Hz	74.25 MHz	16:9
1080 P 23.97/24 Hz	1920	1080	24 Hz	74.25 MHz	16:9
1080 I 59.94/60 Hz	1920	1080	60 Hz	74.25 MHz	16:9
1080 I 50 Hz 16:9	1920	1080	50 Hz	74.25 MHz	16:9
720 P 50 Hz 16:9	1280	720	50 Hz	74.25 MHz	16:9
720 P 59.94/60 Hz	1280	720	60 Hz	74.25 MHz	16:9
576 I 50 Hz 4:3	720	576	50 Hz	13.5 MHz	4:3
576 I 50 Hz 16:9	720	576	50 Hz	13.5 MHz	16:9
480 I 59.94/60 Hz	720	480	60 Hz	13.5 MHz	4:3
576 P 50 Hz 4:3	720	576	50 Hz	27 MHz	4:3
576 P 50 Hz 16:9	720	576	50 Hz	27 MHz	16:9
480 P 59.94/60 Hz	720	480	60 Hz	27 MHz	16:9
480 P 59.94/60 Hz	720	480	60 Hz	27 MHz	4:3

8. Cleaning and Troubleshooting

8.1. Cleaning

Caution When Using the Display

- Do not bring your hands, face or objects close to the ventilation holes of the display. The top of the display is usually very hot due to the high temperature of exhaust air being released through the ventilation holes. Burns or personal injuries may occur if any body parts are brought too close. Placing any object near the top of the display could also result in heat related damage to the object as well as the display itself.
- Be sure to disconnect all cables before moving the display. Moving the display 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 insect sprays, solvents and thinners.

Cabinet Cleaning Instructions

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

8.2. Troubleshooting

Symptom	Possible Cause	Remedy
No picture is displayed	<ol style="list-style-type: none"> 1. The power cord is disconnected. 2. The main power switch on the back of the display is not switched on. 3. The selected input has no connection. 4. The display is in standby mode. 	<ol style="list-style-type: none"> 1. Plug in the power cord. 2. Make sure the power switch is switched on. 3. Connect a signal connection to the display.
Interference displayed on the display or audible noise is heard	Caused by surrounding electrical appliances or fluorescent lights.	Move the display to another location to see if the interference is reduced.
Color is abnormal	The signal cable is not connected properly.	Make sure that the signal cable is attached firmly to the back of the display.
Picture is distorted with abnormal patterns	<ol style="list-style-type: none"> 1. The signal cable is not connected properly. 2. The input signal is beyond the capabilities of the display. 	<ol style="list-style-type: none"> 1. Make sure that the signal cable is attached firmly. 2. Check the video signal source to see if it is beyond the range of the display. Please verify its specifications with this display's specification section.
Display image doesn't fill up the full size of the screen	<ol style="list-style-type: none"> 1. The zoom mode is not set correctly. 2. Scan Mode may be set incorrectly to underscan. 3. If the image exceeds the screen size, Scan Mode may need to be set to Underscan. 	Use the Zoom mode or Custom zoom function in the Screen menu to fine tune display geometry and time frequency parameter.
Can hear sound, but no picture	Improperly connected source signal cable.	Make sure that both video inputs and sound inputs are correctly connected.
Can see picture but no sound is heard	<ol style="list-style-type: none"> 1. Improperly connected source signal cable. 2. Volume is turned all the way down. 3. {Mute} is turned on. 4. No external speaker connected. 	<ol style="list-style-type: none"> 1. Make sure that both video inputs and sound inputs are correctly connected. 2. Press [+] or [-] button to hear sound. 3. Switch MUTE off by using the [MUTE] button. 4. Connect external speakers and adjust the volume to a suitable level.
Some picture elements do not light up	Some pixels of the display may not turn on.	This display is manufactured using an extremely high level of precision technology; however, sometimes some pixels of the display may not display. This is not a malfunction.
After-Images can still be seen on the display after the display is powered off. (Examples of still pictures include logos, video games, computer images, and images displayed in 4:3 normal mode)	A still picture is displayed for an over extended period of time	Do not allow a still image to be displayed for an extended period of time as this can cause a permanent after-image to remain on the display.

9. Technical Specifications

Display: 32BDL3110Q

Item	Specifications
Screen Size (Active Area)	80 cm / 31.5 inches
Aspect Ratio	16:9
Number of pixels	1920 (H) × 1080 (V)
Pixel pitch	0.364 (H) × 0.364 (V) [mm]
Displayable colors	8 bits, 16.7 M colors
Brightness (typical)	300 cd/m ²
Contrast ratio (typical)	1200:1
Viewing angle	178 degrees

In/Out Terminals:

Item	Specifications
Speaker Output	Internal Speakers 8W (L) + 8W (R) [RMS]/6Ω 78 dB/W/M/20 Hz ~ 20 KHz
Audio Output	3.5mm phone jack × 1 0.5V [rms] (Normal) / 2 Channel (L+R)
Audio Input	3.5mm phone jack × 1 0.5V [rms] (Normal) / 2 Channel (L+R)
VGA Input	D-SUB jack (15pin) Analog RGB: 0.7V [p-p] (75Ω), H/CS/V: TTL (2.2kΩ), MAX: 1920 × 1080/60 Hz (WUXGA)
HDMI Input	HDMI Jack × 2 (Type A) (19 pin) Digital RGB: TMDS (Video + Audio) MAX: Video - 720p, 1080p, 1920 × 1080/60 Hz Audio - 48 KHz/ 2 Channel (L+R) Supports LPCM only
RS232	RJ-45 Jack × 1 (8 pin) RS232 in
USB	USB2.0 A Type ×1 USB3.0 A Type ×1 USB2.0 USB3.0

General:

Item	Specifications
Power Input	100-240V~, 50/60Hz
Power Consumption (Max)	75 W
Power Consumption (typ.)	50 W
Power Consumption (Standby & Off)	<0.5 W
Dimensions (Without Stand) [W × H × D]	726.5 × 424.3 × 79.8 mm
Weight (Without Stand)	5.1 Kg
Gross Weight (Without Stand)	6.5 Kg

Environmental Condition:

Item	Specifications	
Temperature	Operational	0 ~ 40°C
	Storage	-20 ~ 60°C
Humidity	Operational	20 ~ 80% RH (No condensation)
	Storage	5 ~ 95% RH (No condensation)
Altitude	Operational	0 ~ 3,000 m
	Storage / Shipment	0 ~ 9,000 m

Display: 43BDL3110Q

Item	Specifications
Screen Size (Active Area)	108 cm / 42.5 inches
Aspect Ratio	16:9
Number of pixels	1920 (H) × 1080 (V)
Pixel pitch	0.49 (H) × 0.49 (V) [mm]
Displayable colors	8 bits, 16.7 M colors
Brightness (typical)	360 cd/m ²
Contrast ratio (typical)	1200:1
Viewing angle	178 degrees

In/Out Terminals:

Item	Specifications
Speaker Output	Internal Speakers 8W (L) + 8W (R) [RMS]/6Ω 78 dB/W/M/20 Hz ~ 20 KHz
Audio Output	3.5mm phone jack × 1 0.5V [rms] (Normal) / 2 Channel (L+R)
Audio Input	3.5mm phone jack × 1 0.5V [rms] (Normal) / 2 Channel (L+R)
VGA Input	D-SUB jack (15pin) Analog RGB: 0.7V [p-p] (75Ω), H/CS/V: TTL (2.2kΩ), MAX: 1920 × 1080/60 Hz (WUXGA)
HDMI Input	HDMI Jack × 2 (Type A) (19 pin) Digital RGB: TMDS (Video + Audio) MAX: Video - 720p, 1080p, 1920 × 1080/60 Hz Audio - 48 KHz/ 2 Channel (L+R) Supports LPCM only
RS232	RJ-45 Jack × 1 (8 pin) RS232 in
USB	USB2.0 A Type ×1 USB3.0 A Type ×1

General:

Item	Specifications
Power Input	100-240V~, 50/60Hz
Power Consumption (Max)	90 W
Power Consumption (typ.)	65 W
Power Consumption (Standby & Off)	<0.5 W
Dimensions (Without Stand) [W × H × D]	968.2 × 562.8 × 76.8 mm
Weight (Without Stand)	8.4 Kg
Gross Weight (Without Stand)	11.3 Kg

Environmental Condition:

Item	Specifications	
Temperature	Operational	0 ~ 40°C
	Storage	-20 ~ 60°C
Humidity	Operational	20 ~ 80% RH (No condensation)
	Storage	5 ~ 95% RH (No condensation)
Altitude	Operational	0 ~ 3,000 m
	Storage / Shipment	0 ~ 9,000 m

Display: 50BDL3110Q

Item	Specifications
Screen Size (Active Area)	127 cm / 50 inches
Aspect Ratio	16:9
Number of pixels	3840 (H) x 2160 (V)
Pixel pitch	0.2853 (H) x 0.2853 (V) [mm]
Displayable colors	10 bits(D), 1.07 Billion colors
Brightness (typical)	350 cd/m ²
Contrast ratio (typical)	5000:1
Viewing angle	178 degrees

In/Out Terminals:

Item	Specifications
Speaker Output	Internal Speakers 8W (L) + 8W (R) [RMS]/6Ω 78 dB/W/M/20 Hz ~ 20 KHz
Audio Output	3.5mm phone jack x 1 0.5V [rms] (Normal) / 2 Channel (L+R)
Audio Input	3.5mm phone jack x 1 0.5V [rms] (Normal) / 2 Channel (L+R)
HDMI Input	HDMI Jack x 2 (Type A) (19 pin) Digital RGB:TMD5 (Video + Audio) MAX: Video - 720p, 1080p, 3840 x 2160/60 Hz Audio - 48 KHz/ 2 Channel (L+R) Supports LPCM only
RS232	RJ-45 Jack x 1 (8 pin) RS232 in
USB	USB2.0 A Type x1 USB3.0 A Type x1 USB2.0 USB3.0

General:

Item	Specifications
Power Input	100-240V~, 50/60Hz
Power Consumption (Max)	170 W
Power Consumption (typ.)	130 W
Power Consumption (Standby & Off)	<0.5 W
Dimensions (Without Stand) [W x H x D]	1118.2 x 642.9 x 62.5 mm
Weight (Without Stand)	12.0 Kg
Gross Weight (Without Stand)	15.2 Kg

Environmental Condition:

Item	Specifications	
Temperature	Operational	0 ~ 40°C
	Storage	-20 ~ 60°C
Humidity	Operational	20 ~ 80% RH (No condensation)
	Storage	5 ~ 95% RH (No condensation)
Altitude	Operational	0 ~ 3,000 m
	Storage / Shipment	0 ~ 9,000 m

Display: 55BDL3110Q

Item	Specifications
Screen Size (Active Area)	138.7 cm / 54.6 inches
Aspect Ratio	16:9
Number of pixels	3840 (H) x 2160 (V)
Pixel pitch	0.315 (H) x 0.315 (V) [mm]
Displayable colors	8 bits+FRC, 1.07 Billion colors
Brightness (typical)	350 cd/m ²
Contrast ratio (typical)	1200:1
Viewing angle	178 degrees

In/Out Terminals:

Item	Specifications
Speaker Output	Internal Speakers 8W (L) + 8W (R) [RMS]/6Ω 78 dB/W/M/20 Hz ~ 20 KHz
Audio Output	3.5mm phone jack x 1 0.5V [rms] (Normal) / 2 Channel (L+R)
Audio Input	3.5mm phone jack x 1 0.5V [rms] (Normal) / 2 Channel (L+R)
HDMI Input	HDMI Jack x 2 (Type A) (19 pin) Digital RGB:TMDS (Video + Audio) MAX: Video - 720p, 1080p, 3840 x 2160/60 Hz Audio - 48 KHz/ 2 Channel (L+R) Supports LPCM only
RS232	RJ-45 Jack x 1 (8 pin) RS232 in
USB	USB2.0 A Type x1 USB3.0 A Type x1 USB2.0 USB3.0

General:

Item	Specifications
Power Input	100-240V~, 50/60Hz
Power Consumption (Max)	170 W
Power Consumption (typ.)	130 W
Power Consumption (Standby & Off)	<0.5 W
Dimensions (Without Stand) [W x H x D]	1231.6 x 707.7 x 62.5 mm
Weight (Without Stand)	14.0 Kg
Gross Weight (Without Stand)	18.6 Kg

Environmental Condition:

Item	Specifications	
Temperature	Operational	0 ~ 40°C
	Storage	-20 ~ 60°C
Humidity	Operational	20 ~ 80% RH (No condensation)
	Storage	5 ~ 95% RH (No condensation)
Altitude	Operational	0 ~ 3,000 m
	Storage / Shipment	0 ~ 9,000 m

Display: 65BDL3110Q

Item	Specifications
Screen Size (Active Area)	163.9 cm / 64.5 inches
Aspect Ratio	16:9
Number of pixels	3840 (H) × 2160 (V)
Pixel pitch	0.372 (H) × 0.372 (V) [mm]
Displayable colors	8 bits+FRC, 1.07 Billion colors
Brightness (typical)	350 cd/m ²
Contrast ratio (typical)	1200:1
Viewing angle	178 degrees

In/Out Terminals:

Item	Specifications
Speaker Output	Internal Speakers 8W (L) + 8W (R) [RMS]/6Ω 78 dB/W/M/20 Hz ~ 20 KHz
Audio Output	3.5mm phone jack × 1 0.5V [rms] (Normal) / 2 Channel (L+R)
Audio Input	3.5mm phone jack × 1 0.5V [rms] (Normal) / 2 Channel (L+R)
HDMI Input	HDMI Jack × 2 (Type A) (19 pin) Digital RGB:TMDS (Video + Audio) MAX: Video - 720p, 1080p, 3840 × 2160/60 Hz Audio - 48 KHz/ 2 Channel (L+R) Supports LPCM only
RS232	RJ-45 Jack × 1 (8 pin) RS232 in
USB	USB2.0 A Type ×1 USB3.0 A Type ×1 USB2.0 USB3.0

General:

Item	Specifications
Power Input	100-240V~, 50/60Hz
Power Consumption (Max)	210 W
Power Consumption (typ.)	180 W
Power Consumption (Standby & Off)	<0.5 W
Dimensions (Without Stand) [W × H × D]	1451.7 × 829.0 × 63.3 mm
Weight (Without Stand)	21.0 Kg
Gross Weight (Without Stand)	27.0 Kg

Environmental Condition:

Item	Specifications	
Temperature	Operational	0 ~ 40°C
	Storage	-20 ~ 60°C
Humidity	Operational	20 ~ 80% RH (No condensation)
	Storage	5 ~ 95% RH (No condensation)
Altitude	Operational	0 ~ 3,000 m
	Storage / Shipment	0 ~ 9,000 m



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