



LCD Digital Signage User Manual

DH-LDH32-MAI200

DH-LDH43-MAI200

DH-LDH49-MAI200

DH-LDH55-MAI200

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 DH at all times. If your power cord is missing, please contact your local service center.
- Do not subject the display to severe vibration or high impact conditions during operation.
- Do not knock or drop the display during operation or transportation.

Maintenance:

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

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

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

Service:

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

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



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



- Unplug the display if you are not going to use it for an extensive period of time.
- Unplug the display if you need to clean it with a slightly damp cloth. The screen may be wiped with a dry cloth when the power is off. However; never use alcohol, solvents or ammonia-based liquids.
- Consult a service technician if the display does not operate normally when you have followed the instructions in this manual.
- The casing cover should be opened only by qualified service personnel.
- Keep the display out of direct sunlight and away from stoves or any other heat sources.
- Remove any object that could fall into the vents or prevent proper cooling of the display's electronics.
- Do not block the ventilation holes on the cabinet.
- Keep the display dry. To avoid electric shock, do not expose it to rain or excessive moisture.
- When turning off the display by detaching the power cable or DC power cord, wait for 6 seconds before re-attaching the power cable or DC power cord for normal operation..
- To avoid the risk of shock or permanent damage to the set do not expose the display to rain or excessive moisture.
- When positioning the display make sure the power plug and outlet are easily accessible.
- **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.

CE Declaration of Conformity

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

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/CISPR 32. 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 the display 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 part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



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

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

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

This device complies with Part 15 of the FCC 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.

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

- EN 62311

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

- EN 300 328 (For 802.11b/g/n)

Electromagnetic compatibility and Radio spectrum Matters (ERM);Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

- EN 301 489-17

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment

- EN 301 489-1

Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

Canada:

Industry Canada statement:

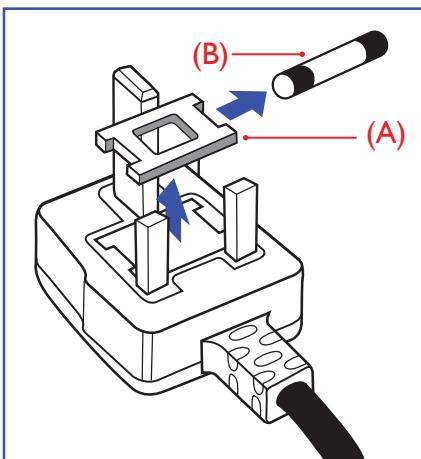
This device complies with RSS-247 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-247 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement in

Electric, Magnetic and Electromagnetic Fields (“EMF”)

1. We manufacture and sell many products targeted at consumers, which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals.
2. One of our leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the EMF standards applicable at the time of producing the products.
3. We are committed to develop, produce and market products that cause no adverse health effects.
4. We confirm that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.
5. We play an active role in the development of international EMF and safety standards, enabling us to anticipate further developments in standardization for early integration in its products.

Information for U.K. only



WARNING - THIS APPLIANCE MUST BE EARTHED.

Important:

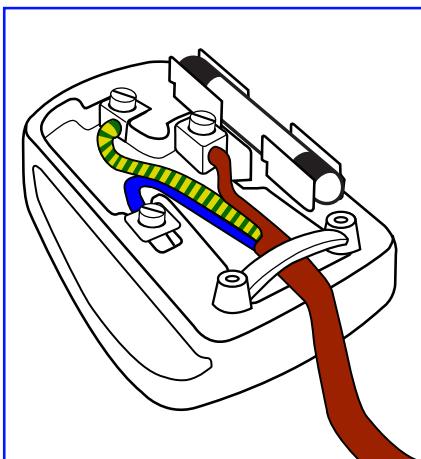
This apparatus is supplied with an approved moulded 13A plug. To change a fuse in this type of plug proceed as follows:+

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 is 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 PLACERINGEN FOR, AT NETLEDNINGENS STIK OG STIKKONTAKT ER NEMT TILGÆNGELIGE.

Paikka/Ilmankierto

VAROITUS:

SJOITA LAITE SITEN, ETTÄ VERKKOJOHTO VOIDAAN TARVITTAESSA HELPOSTI IRROTTAA PISTORASIASTA.

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 DH 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

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.

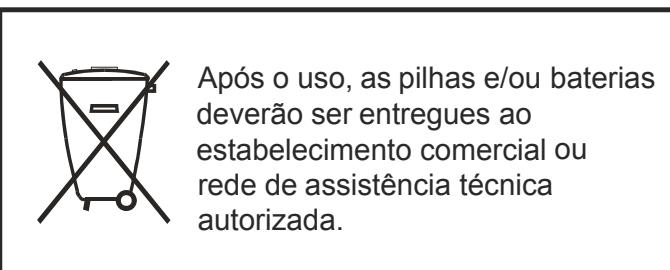


Table Of Contents

1.	Unpacking and Installation	1
1.1.	Unpacking.....	1
1.2.	Package Contents.....	1
1.3.	Installation Notes.....	1
1.4.	Installing and Removing Table Stands (optional)	2
1.5.	Mounting on a Wall.....	3
1.5.1.	VESA Grid.....	3
1.6.	Mounting in Portrait Position.....	4
2.	Parts and Functions	5
2.1.	Control Panel.....	5
2.2.	Input/Output Terminals.....	6
2.3.	Remote Control.....	7
2.3.1.	General functions.....	7
2.3.2.	Inserting the batteries in the remote control.....	9
2.3.3.	Handling the remote control.....	9
2.3.4.	Operating range of the remote control.....	9
3.	Connecting External Equipment.....	10
3.1.	Connecting External Equipment (DVD/VCR/ VCD)	10
3.1.1.	Using HDMI video input	10
3.2.	Connecting a PC.....	10
3.2.1.	Using VGA input.....	10
3.2.2.	Using HDMI input.....	11
3.3.	Connecting Audio Equipment.....	12
3.3.1.	Connecting an external audio device.....	12
3.4.	RS-232C control connection.....	12
4.	Operation.....	13
4.1.	Media Player introduction:.....	13
4.2.	PDF reader play.....	15
4.3.	Using CMS 3.1.....	17
4.4.	Custom app	22
4.4.1.	OSD Menu operation:.....	22
5.	USB device compatibility.....	24
6.	Input Mode.....	26
7.	leaning and Troubleshooting	27
7.1.	Cleaning.....	27
7.2.	Troubleshooting.....	28
8.	Technical Specifications	29

1. Unpacking and Installation

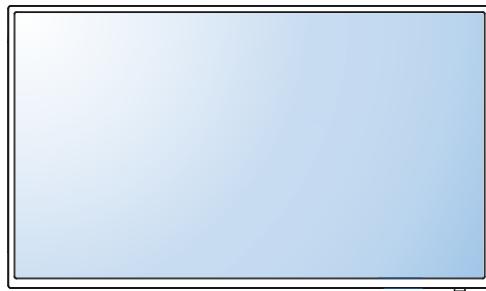
1.1. Unpacking

- 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
- Remote control
- Power cord (1.8 m)
- Logo
- HDMI Cable(1.8m)
- User Manual

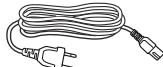


User Manual



Remote Control

* The supplied power cord varies depending on destination.



Power Cord



HDMI Cable(1.8m)



Logo

* 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 H05VV-F ,2G or 3G, 0.75 or 1mm² 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. Installing and Removing Table Stands (optional)

To install table stands:

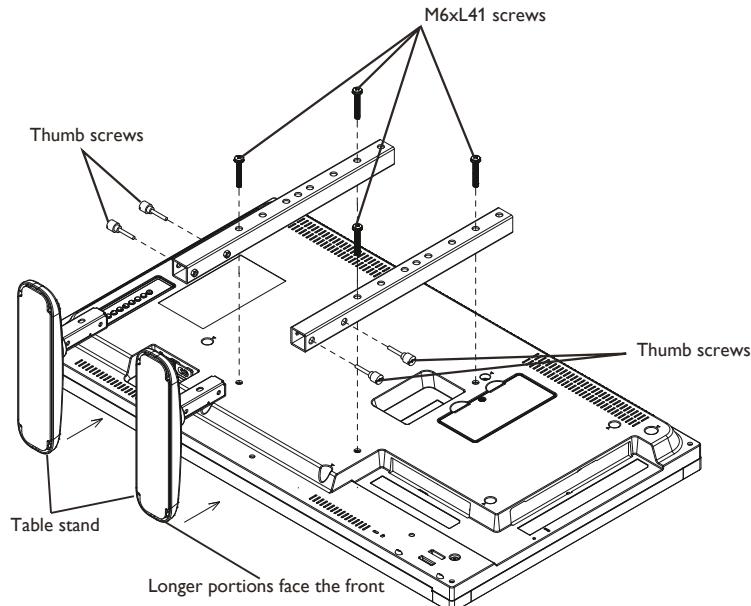
Step 1- Put on the table

Lay a protective sheet on the table, which was wrapped around the display when it was packaged, beneath the screen surface so as not to scratch the screen face.

Step 2- Fix the tube to the display (by using M6xL41 screws)

Please refer to the following drawing to know the position of screws.

Step 3- Set up the stand (by using thumb)

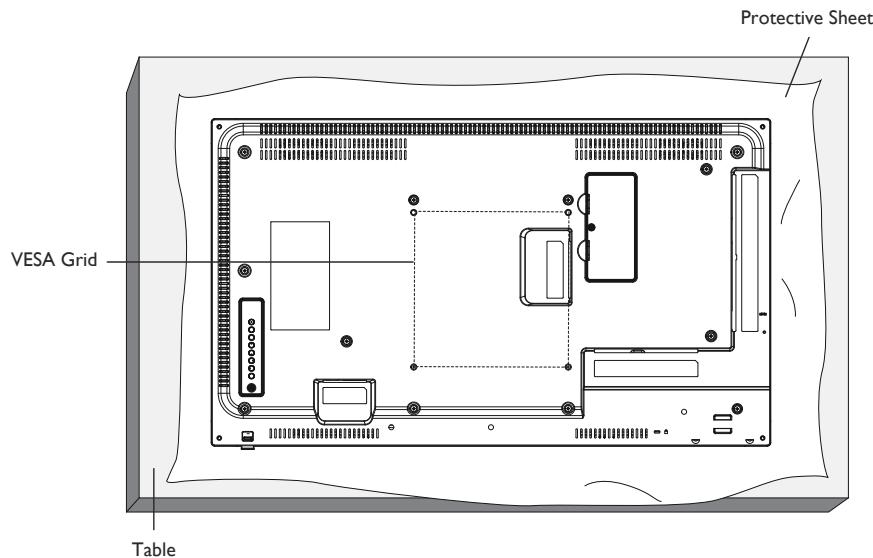


To remove table stands:

1. Power off the display.
2. Spread a protective sheet on a flat surface.
3. Place the display face-down on the protective sheet.
4. Remove screws using a screwdriver and place them in a safe place for reuse.

1.5. 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.



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.

1.5.1. VESA Grid

DH-LDH32-MAI200	200(H) x 200(V) mm
DH-LDH43-MAI200	400(H) x 400(V) mm
DH-LDH49-MAI200	400(H) x 400(V) mm
DH-LDH55-MAI200	400(H) x 400(V) mm

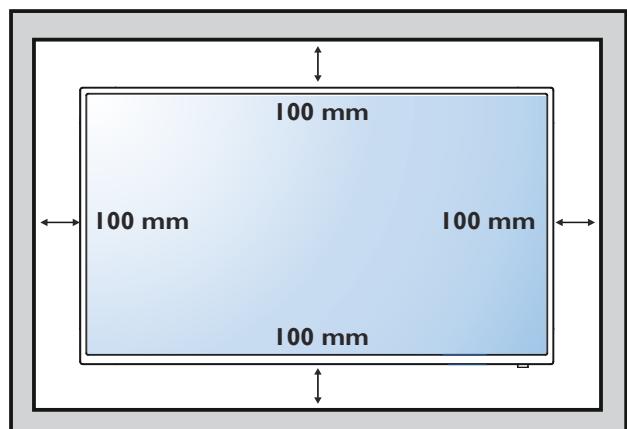
Caution:

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

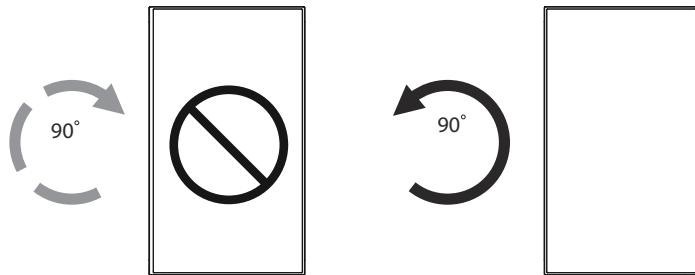
To allow heat to disperse, leave space between surrounding objects as shown in the diagram below.



1.6. Mounting in Portrait Position

This display can be installed in portrait position.

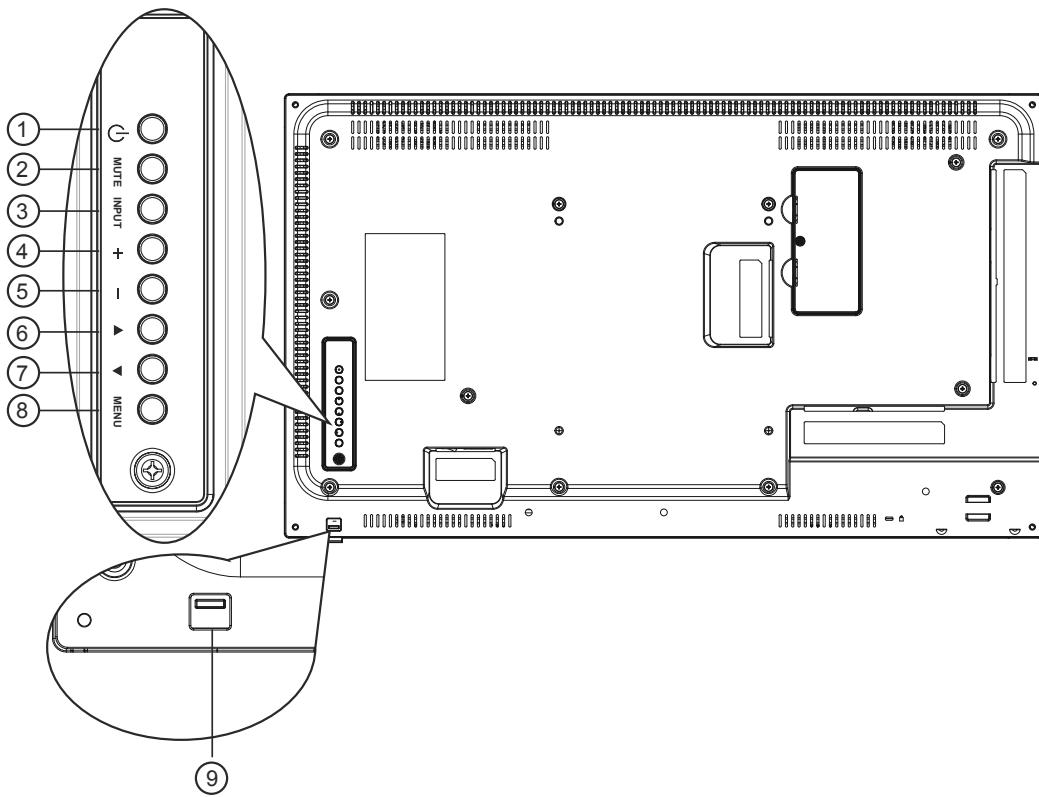
1. Remove the table stand, if attached.
2. Rotate 90 degrees counter-clockwise .



NOTE: When installing the display on a wall, please consult a professional technician for proper installation. We accept no liability for installations not performed by a professional technician.

2. Parts and Functions

2.1. Control Panel



① [Power] button

Use this button to turn the display on or put the display to standby.
Long press Power button until power off.

② [MUTE] button

Switch the audio mute ON/OFF.

③ [INPUT] button

Choose the input source.

④ [+/-] button

Increase the adjustment while OSD menu is on, or increase the audio output level while OSD menu is off.

⑤ [-/+] button

Decrease the adjustment while OSD menu is on, or decrease the audio output level while OSD menu is off.

⑥ [▲] button

Move the highlight bar up to adjust the selected item while OSD menu is on.

⑦ [▼] button

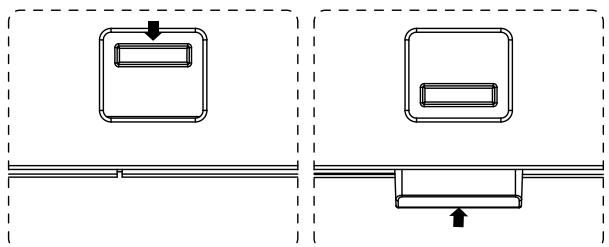
Move the highlight bar down to adjust the selected item while OSD menu is on.

⑧ [MENU] button

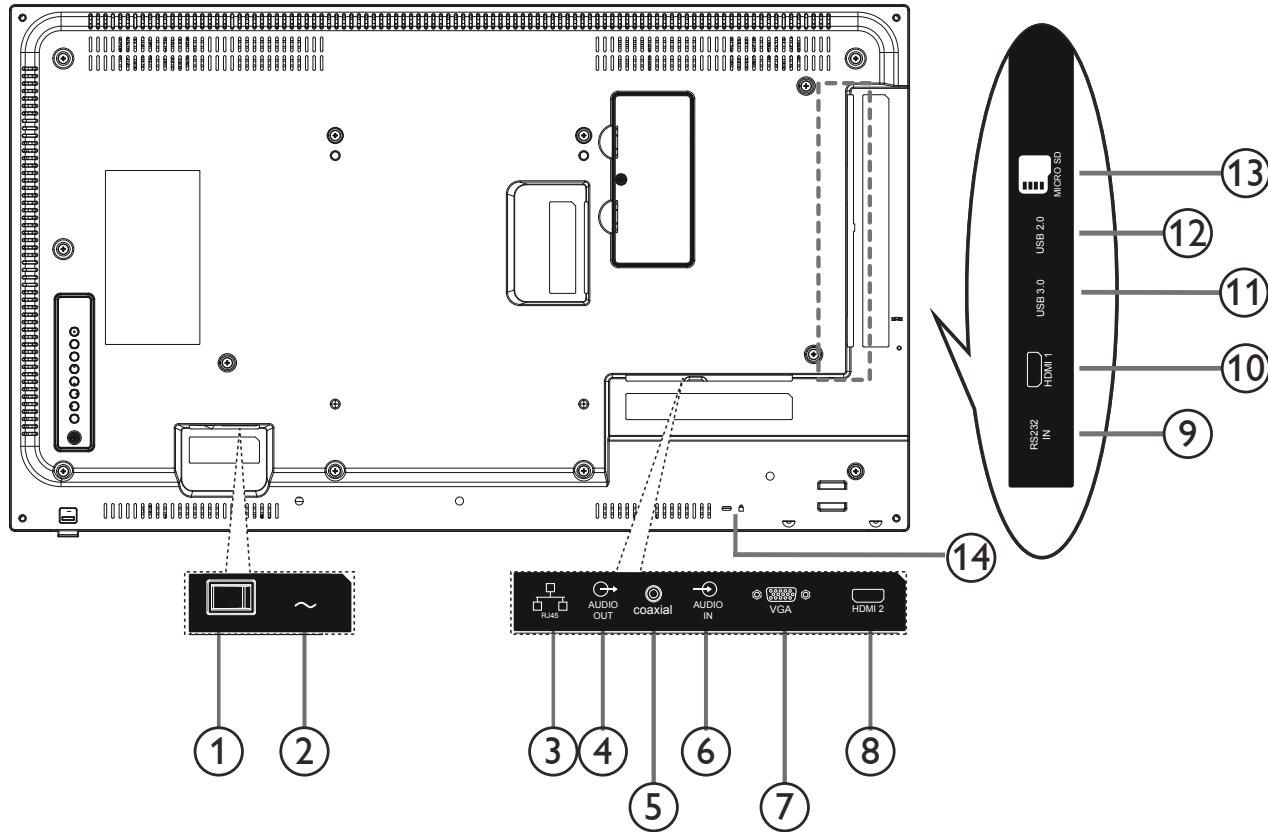
Return to previous menu while OSD menu is on, or to activate the OSD menu when OSD menu is off.

⑨ Remote control sensor and power status indicator

- Receives command signals from the remote control.
- Indicates the operating status of the display :
 - Lights green when the display is turned on
 - Lights red when the display is in standby mode
 - If the light blinks red, it indicates that a failure has been detected
 - Lights off when the main power of the display is turned off
- Pull down the lens to have better remote control performance and easy to observe the light information of power status.
- Push up the lens before mounting the display for video wall application.
- Pull/Push the lens until hearing the click sound.



2.2. Input/Output Terminals



① AC SWITCH

Switch the AC power on/off.

② AC IN

AC power input from the wall outlet.

③ RJ-45

Internal function

④ Audio OUT

Audio output to external AV device.

⑤ COAXIAL

Digital audio out.

⑥ Audio IN

Audio input forVGA source.

⑦ VGA IN

VGA input.

⑧ HDMI 2

HDMI video/audio input.

⑨ RS232 IN

RS232C network input.

⑩ HDMI 1

HDMI video/audio input.

⑪ ⑫ USB PORT

Connect your USB storage device.

⑬ MICRO SD

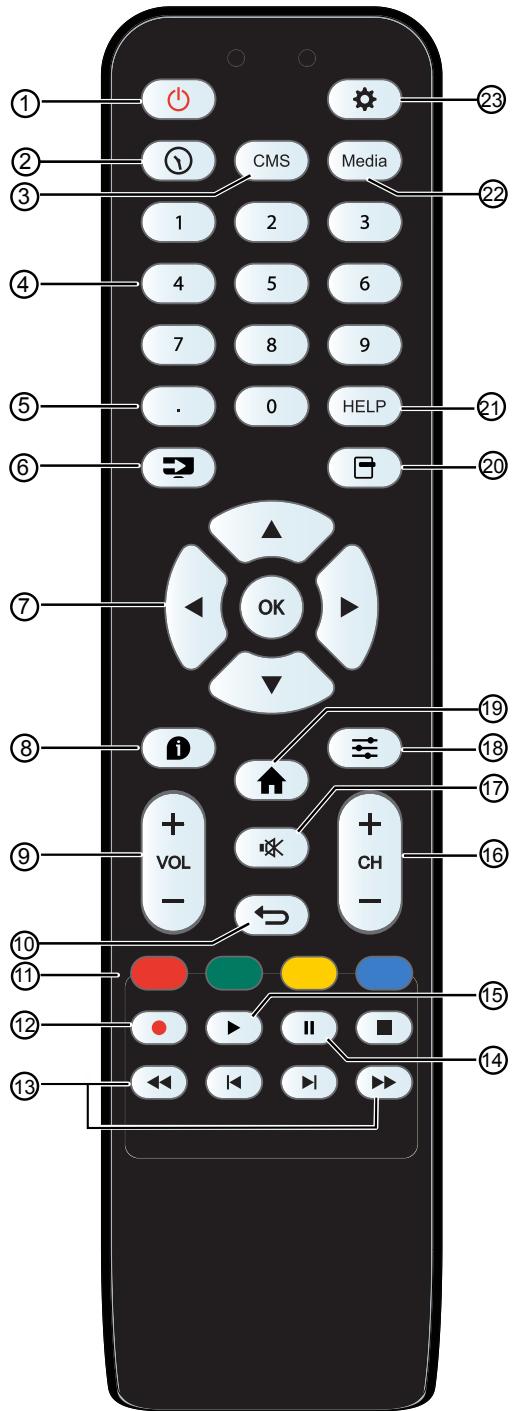
Connect your MICRO SD CARD.

⑭ SECURITY LOCK

Used for security and theft prevention.

2.3. Remote Control

2.3.1. General functions



① [POWER] button

Turn the display on or put the display to standby.
Long press POWER button until power off.

② [TIME] button

Go to Time OSD.

③ [CMS] button

Go to LCD Digital Signage app.

④ [NUMERIC] button

Set number

⑤ [.] button

Set dot.

⑥ [+] Source Button

Choose input source.

⑦ [▲][▼][◀][▶][OK] Button

Up and down operation key & confirmation key.

⑧ [i] INFO Button

Show Information OSD.

⑨ [-][+] Volume Button

Increase and decrease volume

⑩ [◀] Return Button

The return on a menu or exit the application.

⑪ [RED][GREEN][YELLOW][BLUE] Color button

This machine is not supported.

⑫ [●] Recording key

This machine is not supported.

⑬ [◀◀][▶▶] Multimedia Button

Back and Forward

⑭ [II] Pause

Only Media player APK support

⑮ [▶] Play

Only Media player APK support

⑯ [CH] Channel + / - Button

This machine is not supported

⑰ [MUTE] Mute Button

Mute or restore volume.

⑱ [ADJUST] Adjust menu

VGA Auto Adjust (forVGA input source only).

⑲ [UP] Root Menu

Go to Android Launcher first widgets.

⑳ [OPTION] Option Menu

Access currently available options, picture and sound menus.

Rename the playlist.

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

㉑ [HELP] Button

This machine doesn't work.

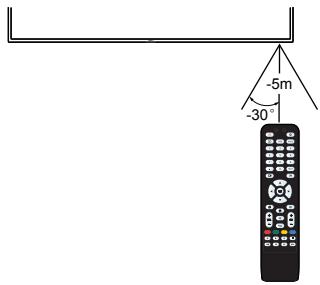
㉒ [MEDIA] Button

Go to Media player.

㉓ [⚙] Settings Button

Setting.

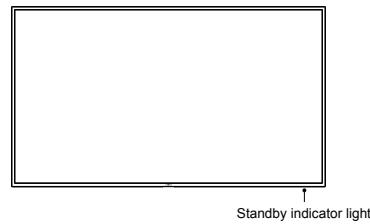
Remote control use



When using a remote control, press it close to the monitor, and point to the remote sensor. Ensure that the sight between the remote control and the monitor is not obstructed by furniture, walls, or other objects.

Turn on / off the monitor, or switch to standby

Standby indicator light



(The shape of the product will vary between the models, please take the actual machine as the standard!)

Open monitor

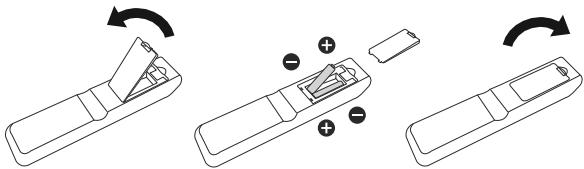
- Please insert the power cord into the AC power outlet.
- If the standby indicator is red, press  on the remote (standby - boot).

2.3.2. 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 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.

2.3.3. Handling the remote control

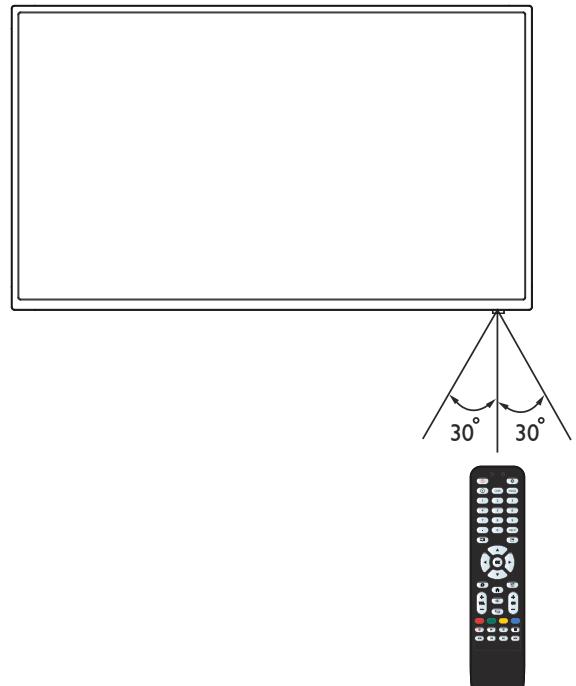
- Do not subject to strong shock.
- Do not allow water or other liquid to splash the remote control. If the remote control gets wet, wipe it dry immediately.
- Avoid exposure to heat and steam.
- Other than to install the batteries, do not open the remote control.

2.3.4. 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.

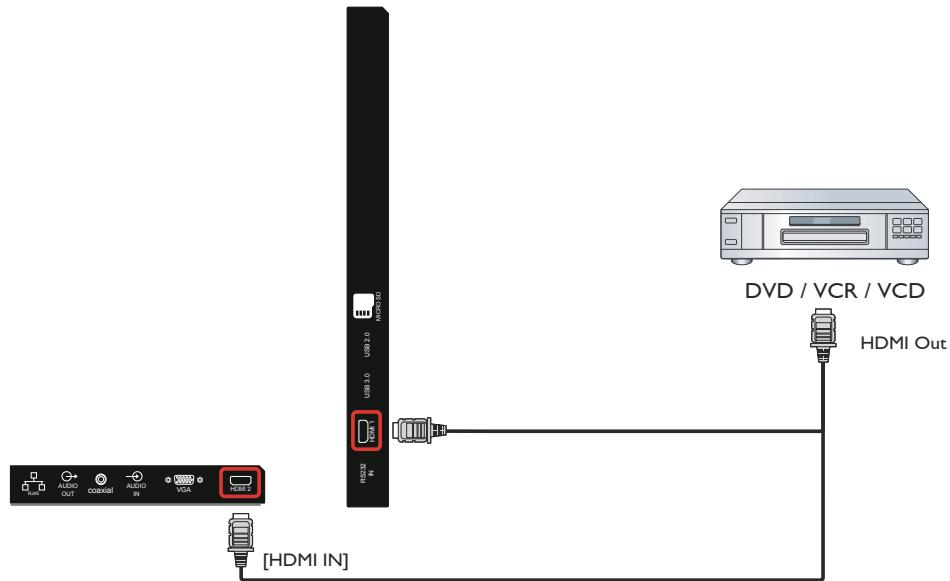
NOTE: The remote control may not function properly when the remote control sensor on the display is under direct sunlight or strong illumination, or when there is an obstacle in the path of signal transmission.



3. Connecting External Equipment

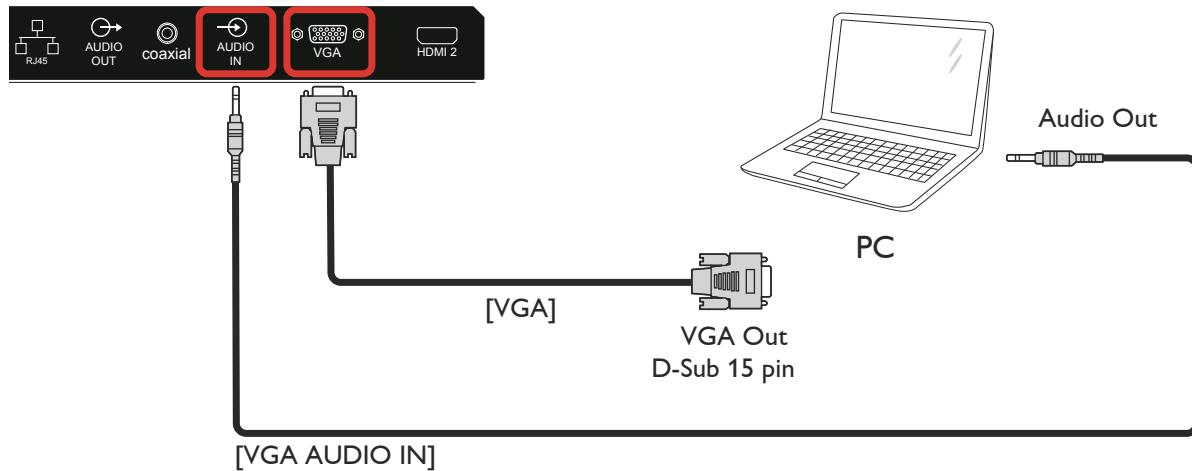
3.1. Connecting External Equipment (DVD/VCR/VCD)

3.1.1. Using HDMI video input

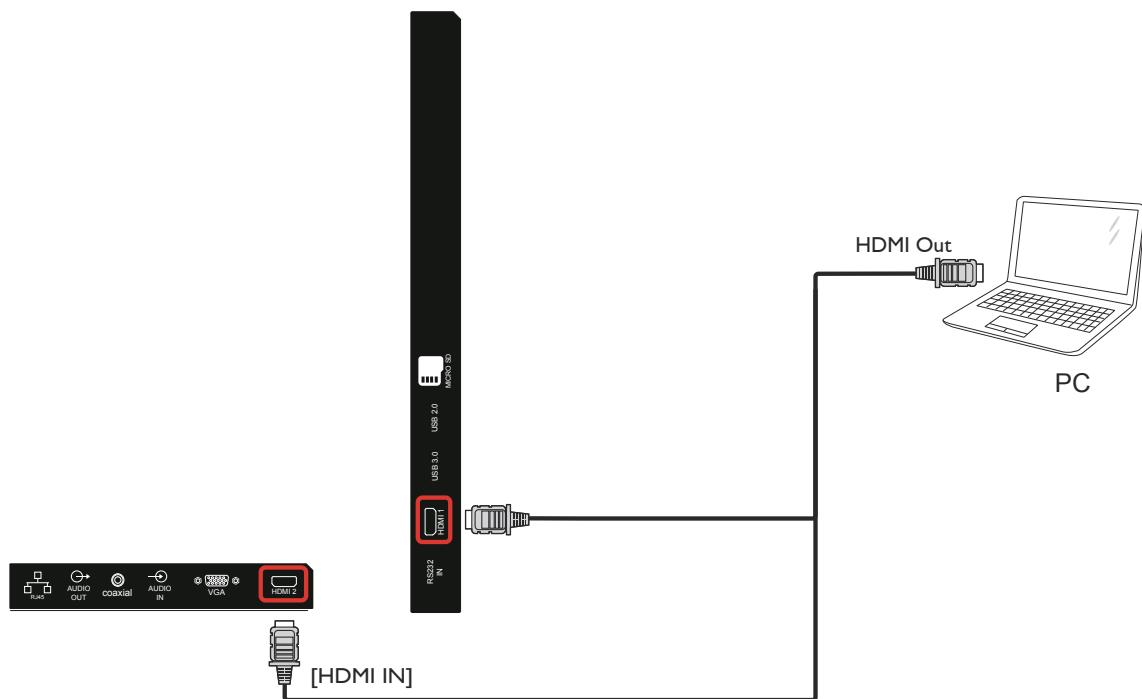


3.2. Connecting a PC

3.2.1. Using VGA input

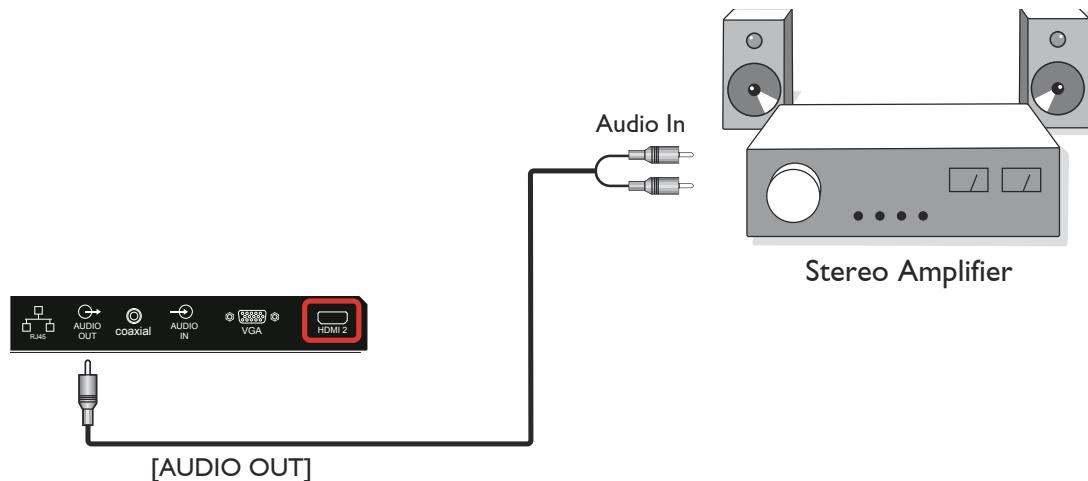


3.2.2. Using HDMI input

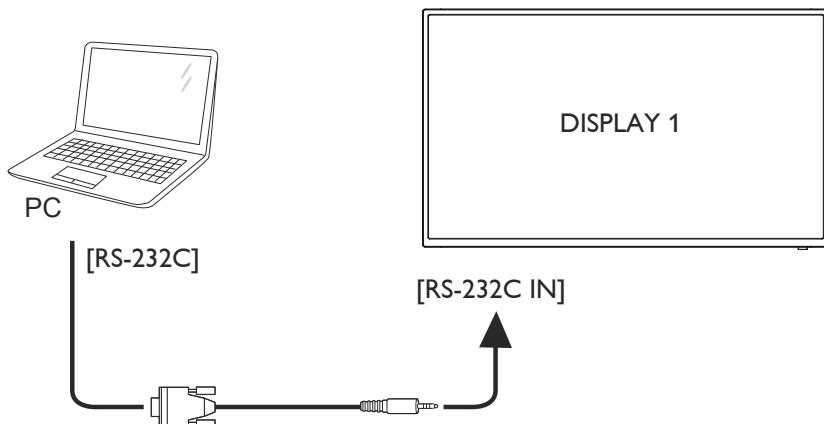


3.3. Connecting Audio Equipment

3.3.1. Connecting an external audio device



3.4. RS-232C control connection



4. Operation

4.1. Media Player introduction:

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



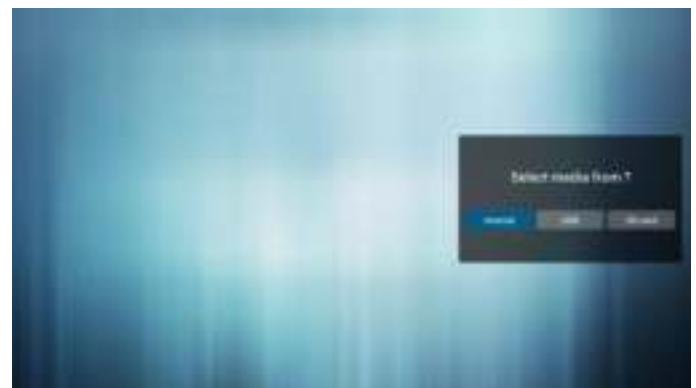
2. Select "Play" on home page, first you should choose one playlist to play between FILE 1 and FILE 7. The pencil icon means the playlist is non-empty.



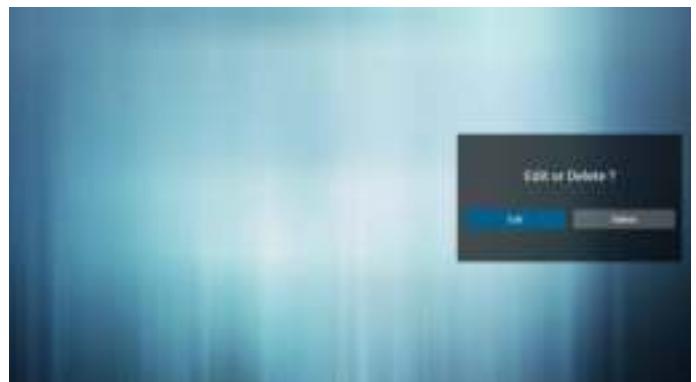
3. Select "Compose" on home page, first you should choose one playlist to edit between FILE 1 and FILE 7. The pencil icon means the playlist is non-empty.



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



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



6. You could rename the playlist, just input new name after press the " " key on the remove control.



7. 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 sidebar
Play key – play media file.
Info key – show media info.
Ok key – select/unselect file.

- 7-1. In the sidebar, 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.



8. If you choose "Sort" in the sidebar, you can change the order of files one by one.



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



10. In choosing the desired file and press the play button, you can directly play media files.



11. If you make a playlist containing all of the image files, the application will ask you if you want to play background music while playing the video.



12. 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. Repeat Mode: playback mode.



Media Hotkey:

Play: play files.

Pause: suspend the file.

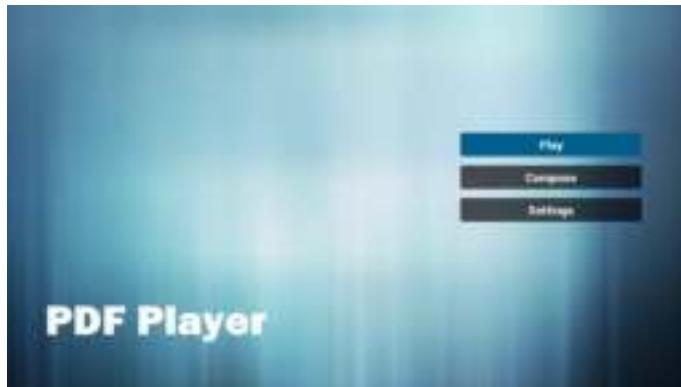
Fast forward: turn 10 seconds quickly.

Rewind: reverse for 10 seconds.

Stop: stop the file and return to start. If it is a GIF file, then the function is similar to pause.- back : return.

4.2. PDF reader play

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



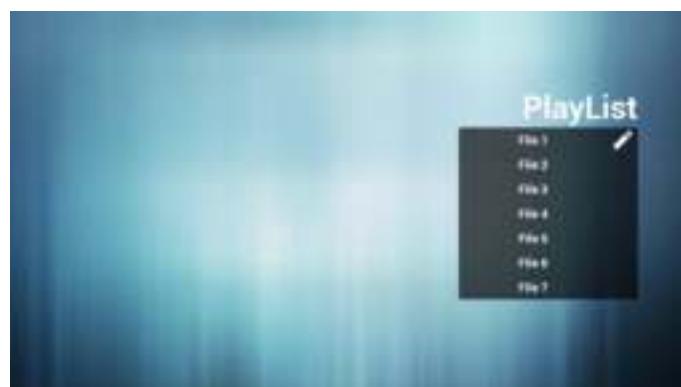
2. Select "Play" on home page, first you should choose one playlist to play between FILE 1 and FILE 7.

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 root directory.

For example,

- pdfs in /root/pdf/



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



6. You could rename the playlist, just input new name after press the "OK" key on the remove control.



7. 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.

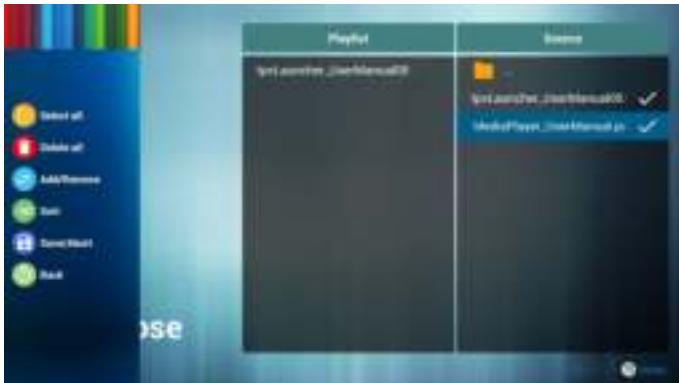
- delete all : delete all playlist files.

- add/remove : update playlist from source.

- sort : sort playlist.

- save/abort : save or abort playlist.

- back : return.



Up/Down/Left/Right : Adjust page. (When the page has zoomed in/out)

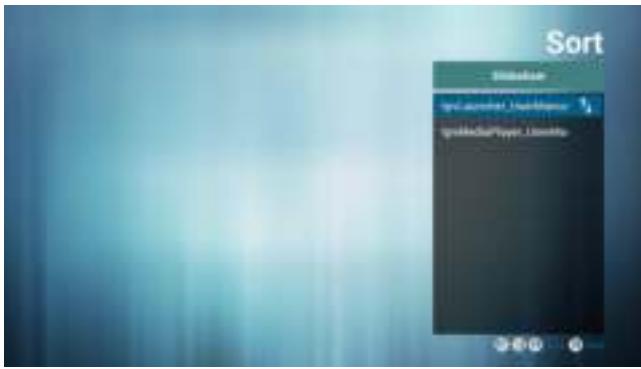
Left : Previous Page. (When the page has not zoomed in/out)
Right : Next Page. (When the page has not zoomed in/out)

Combination key:

Number key + OK key : select specific page, and press ok key to change page.

- Press number key.- Press OK key, the bottom of the page will show the page number; if page number over total page number, it will not change page and show current page number at the bottom of the page.

- If you choose "Sort" in the sidebar, you can change the order of files one by one.



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

Repeat Mode : play mode.

Effect Duration : photo effect duration.



Media Hotkey:

Play : Playback file.

Pause: Pause page.

Fast forward: go to next page, if the page is end of the file, it will go to next file.

Rewind: back to last page, if the page is first of the file, it will back to last file.

Stop: return to first page of file

Color Hotkey:

Blue : Zoom in.(+10%)

Yellow : Zoom out.(-10%)

OK : Restore zoom

Arrow keys:

4.3. Using CMS 3.1

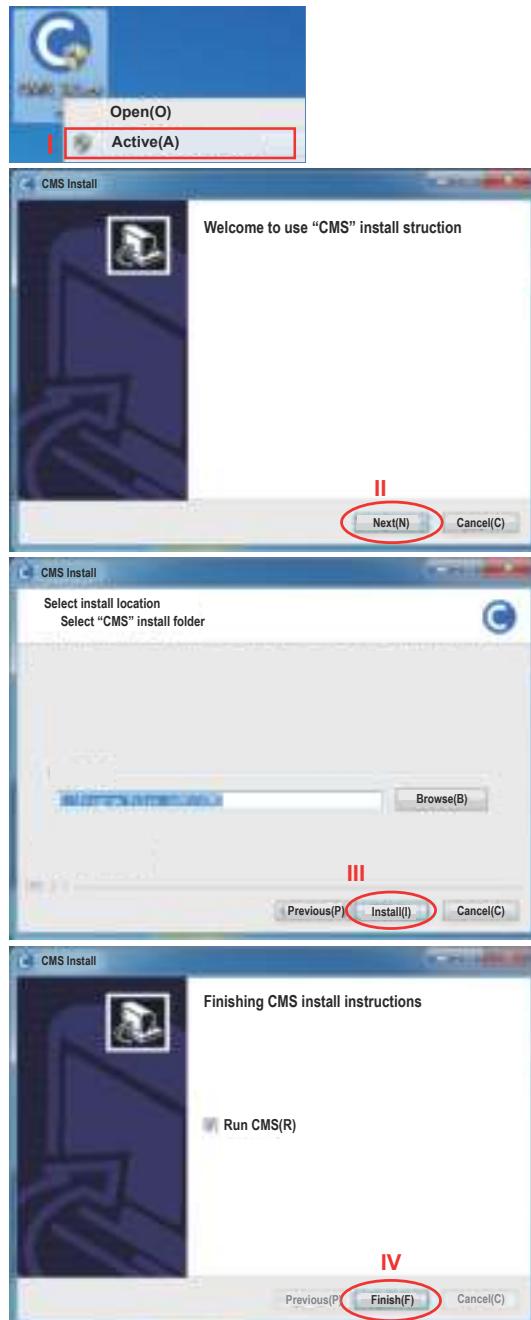
1. System requirements

	System requirements
Operating system	Windows 7,8,10 (32/64 bits)
CPU	2.5GHz CPU or faster
Memory	4GB
Hard disk	100GB
Network card	10/100/1000 Ethernet card

2. Application program

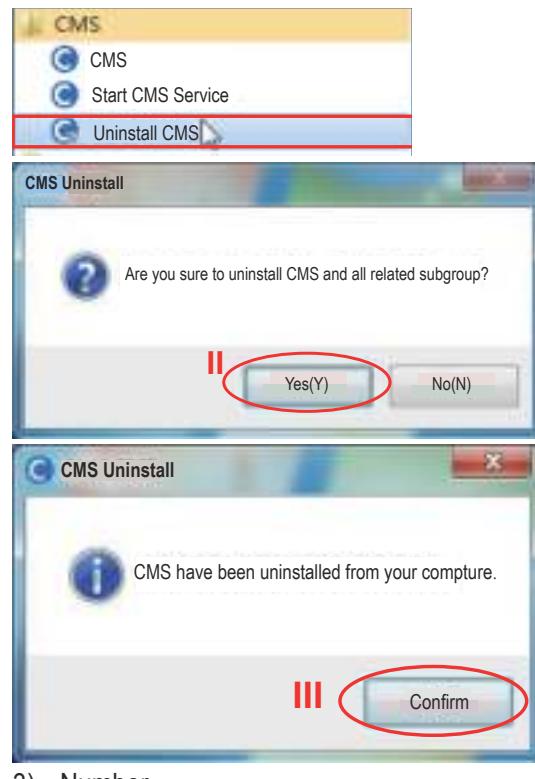
1) Install

Please turn off firewall and antivirus software first.



2) Uninstall

This action will remove all of the CMS data including the advanced settings-full backup file.



3) Number



4) The action of upgrading will clear all CMS data. If you want to retain the old AD content data, please go to Advanced settings-Full backup.



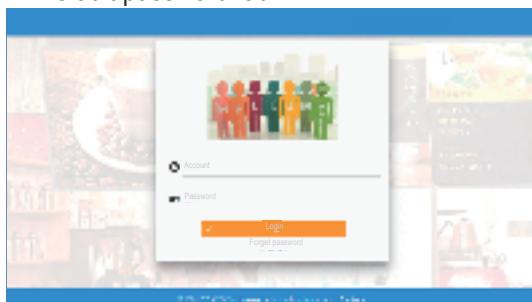
5) Noun explanation

Noun	Explain
Group	Publishing unit. You can group the devices.
Advertisement	You can design content.
PIN Code	Must be set on the device, used to bind the equipment code.
Templates	You can choose to design the contents of advertisements from templates.
.bak	Backup file
.cms	Publish content file
.cmx	Advertising file.

3. Sign in

Default account: admin

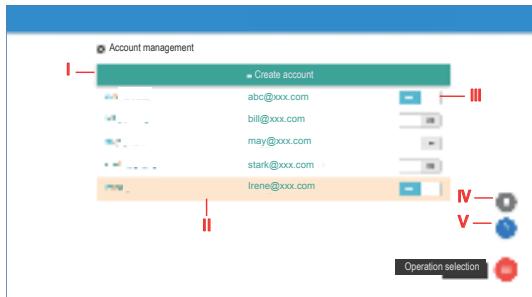
Default password: admin



4. Account



1) Account management (only administrator)



I. Create account

II. Account list: Click to select the account list obtained after the creation of accounts to do related operations.

III. Enabled the account: Select the account you want to enable, click on this operation button to activate the account, and click again to close the account.

IV. Delete the account: Select an account from the account list first, and then click on this operation button to delete the account, with the related AD, time period, release record, etc. being deleted together.

V. Account password reset: Select an account from the account list first, and then click on this operation button to reset the password of this account, with the new password being: Ab123456.

2) Account information

You can go to modify the display name after clicking.

3) Modify password

You can go to modify the password after clicking.

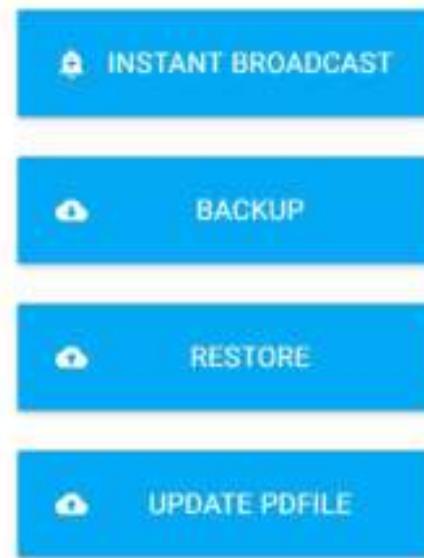
4) Operation setting

Operation guide: click after open operation wizard guide.

5. Function

- 1) update boot logo and image (This machine doesn't support update boot logo).

←PREV



you can select "Advanced"/update PD fil

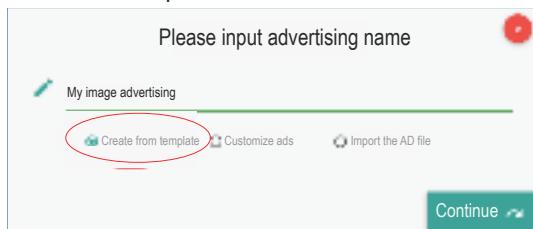


6. AD editor



1) New AD

i. From template creation:

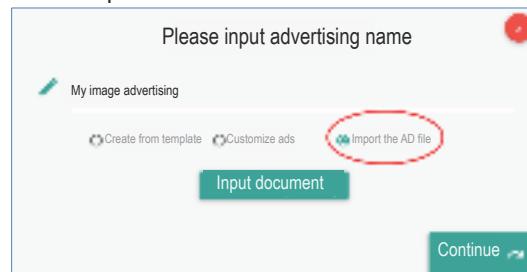


ii. Custom AD:



*The design criteria and restrictions: please refer to the "AD design guide".

III. Import AD fil



2) Type version

Vertical screen(9:16) Horizontal screen(16:9)



3) Custom advertising

Set the AD content of their own AD style.

4) Advertising list

Select an AD from the AD list obtained after the addition of the AD, and click on it to perform related operations.

5) Continue

Select an AD from the list, and then click on this operation button to edit its content, i.e., edit the AD here.

6) Fast to scheduling management

Click to go directly to the schedule management.

7) Rename ads

Select an AD from the list, and then click on this operation button to rename it.

8) Copy ads

Select an AD from the list, and then click on this operation button to reproduce a new list according to it.

9) Delete ads

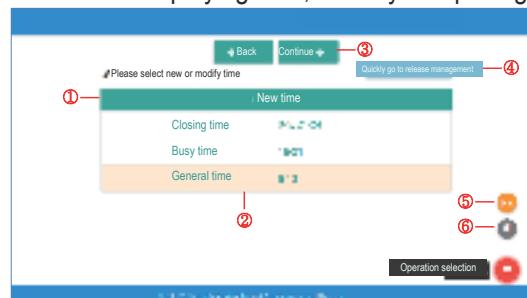
Select an AD from the list, and then click on this operation button to delete it.

10) Export advertisement

Select an AD from the list, and then click on this operation button to export its content into a document in the format of .cmx.

7. Scheduling management

Select the time period after selecting the group, and then tick AD and AD playing time, thereby completing scheduling.



1) New period

Time schedule management is 1 hour as a unit.

Please input time name

Time name

Time

Continue

2) Schedule list

Click to select the schedule time period list obtained after the addition of the time period to perform related operations.

3) Continue

Select one from the list, and then click on this operation button to edit its content, i.e., editing the time period here, and tick AD and input AD playing time afterwards.

4) Fast to release management

Click to go to release management directly and rapidly.

5) Rename time

Select one from the list, and then click on this operation button to rename it.

6) Delete period

Select one from the list first, and then click on this operation button to delete it.

※The scheduling constraints:

1. In consideration of simplification, the scheduling management only supports time period scheduling within one day and does not support scheduling of a specific date (containing year, month and day).
2. In consideration of simplification, the scheduling management only supports being in the units of hour rather than accurate minute and second.

8. Release management

Please select group

Group

At the gate

First floor

Second floor

Hour

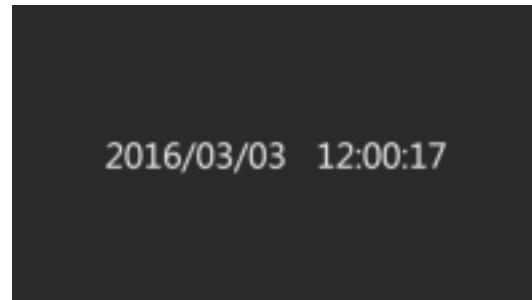
Operation selection

1) Group released list

Click to select the group release list obtained after the addition of the time period to perform the related operations.

2) Time out advertising

Click to change the content which will be played under the circumstance that any AD is scheduled in other time periods than the scheduled time periods, with the [small clock] example before changing shown as below:



3) Release

Select one from the list first, and then click on this operation button to release the AD content to the selected group, and allow downloading of the latest released .cms document for this group after the completion of release.

Release finished

Download CMS document

Continue release other groups

Back to home

4) Release record

Release record				
Release time	Group	time	advertising	
2016/03/03 12:00:29	First floor	Operating time	My image advertising My outlets advertising My promotional advertising	
2016/03/03 12:00:33	First floor	Operating time	My image advertising	

5) View scheduling

Select one from the list first, and then click on this operation button to directly and rapidly go to check the scheduling management content of this group.

9. Device management

1) Device setting (home/APP/all APP /CMSSetting)

This account and PIN code must be set in the device. Android PD

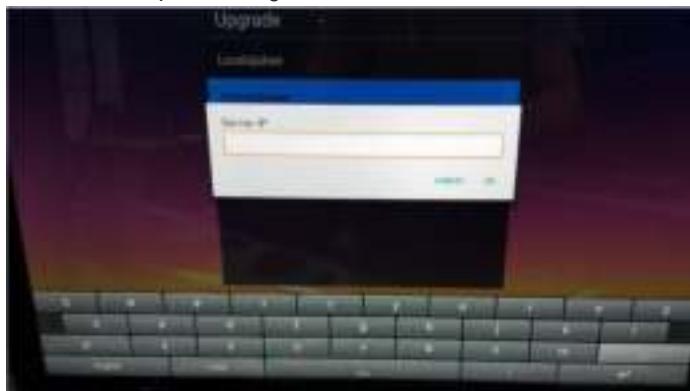
Settings
Server
Account
Pincode
Content
Internal
SD card
USB

Set CMS Settings as "USB storage" if you Insert U disk, Set CMS Settings as "SD card" if you Insert SD card. Set CMS Settings as "internal"if you must copy

content to internal by SD card or U disk.

2) (home/Setting/Upgrade/ OnlineUpdate)

On line Update image file



Input PC IP of CMS PC tool.

PD will download the image file when AC OFF ON .

It must keep PD online.

3) Device list

It will be present in this list after being bound in the device terminal.

4) Device connection status

- I. Device connection normal.
- II. Device is offline

5) Device update data status

- I. Completed to download CMS update file for device
- II. Failed to download CMS update file for device
- III. Insufficient storage space for device
- IV. CMS update file for device is downloading

6) Deployment data

Click to unfold the relevant content of this device.

7) Group menu

Click to select other options, i.e., changing the group to which the device belongs.

8) Modify group name

It can be modified for the name of the group

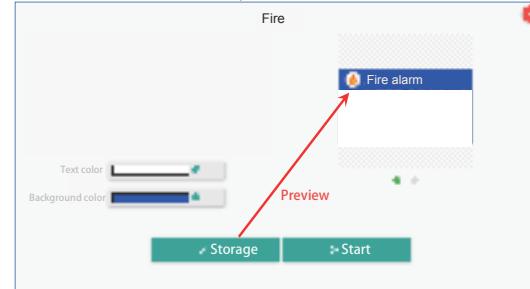
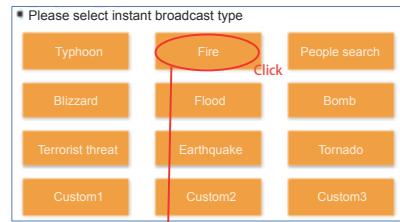
9) Device naming

Click to enter text to name the device.

10. Advanced

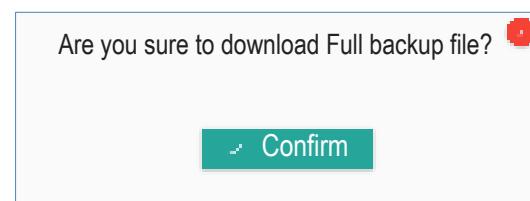
1) Instant broadcast

Instant broadcast



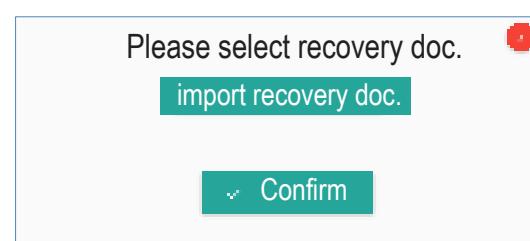
2) Full backup (only administrator)

Full backup



3) Full recovery (only administrator)

Full recovery



4.4. Custom app

User can set up the application for Customer Source

Note:

- (1) Only display User Installed app.
- (2) Will not show up system pre-install app.

4.4.1. OSD Menu operation:

1ST column	2ND column	1st 3RD column	2nd 3rd column or 2nd 2nd column	Remarks
Picture	Picture Mode	Mode	Standard (default)	depends on HDMI
			Vivid	
			Soft	
			User	
	Brightness		"[0 ... 100] Step 1 default: depends on (Picture Mode)"	"default: depends on (Picture Mode=User) " default: depends on (Picture Mode=User)
			Contrast	
			"[0 ... 100] Step 1 default: depends on (Picture style)"	
	Advanced	VGA	Auto Adjust	depends on Input source is VGA
			Horizontal [0...100]	
			Vertical [0...100]	
			Clock [0...100]	
			Phase [0...100]	
		Color temperature	Standard (9300K)	
			Cool (12000K)	
			Warm (6500K)	
		Over scan	"On/Off default: Off"	depends on PC Mode is Video
		PC Mode	"PC /Video default: PC"	
	Screen Orientation	Screen Orientation	0,90,180,270	
Sound	Sound Mode	Standard		Restore Setting can not reset Sound you can reset Sound by Restore Default
		News		
		Music		
		Movie		
	Sound Device	Sound Channel	SPEAKER/SPDIF	
		SPDIF	AUTO/PCM	
	Advanced	Balance	"[-50 ... +50] (0 :default)"	
		Volume	"[0 ... 100] (25 :default)"	

Lock	Key Lock	Off(default)		default Password: 0000 Key Lock change to On : step 1:No operation after 30 s lock the function of remote control, buttons, mouse operation. step 2:After locking function, need to press "set" button on the remote control a password prompt dialog box, enter the correct password to unlock function after operation. step 3:After operation, repeat step 1
		[type password]		
	Change Password	Current Password		
		New Password		
		Confirm Password		
		Cancel/OK		
Time	Time Setup	Time Setting	Date Picker	
		Shutdown Time	Repeat	OFF/Once/Everyday/Workday
			Time	
		Power Time	Repeat	OFF/Once/Everyday/Workday
			Time	
			Source	
			"File Number [1 ... 7]"	depends on Source = MEDIA / PDF
		Sleep Time	"OFF/10 Min/20 Min/30 Min/60 Min/ 90 Min/120 Min/180 Min/240 Min"	
		Auto Sleep	OFF/1 Min/3 Min/5 Min/10 Min	
		Time Sync	network Time/OFF	
		Time Zone	Shanghai/Calcutta/Harare/Karachi/ Brazzaville/Beirut/Jerusalem/ Tehran /Baghdad/Ulaanbaatar/ Damascus/Sydney /Paris/Rome/ London/Dubai/Tokyo	
Advanced	Language	English(default)		
		Chinese		
	Boot Wake	UART Wake	"On/Off default: Off"	when UART wake change to On,PD can be wake up by UART
		VGA Wake	"On/Off default: Off"	when VGA Wake change to On ,PD can be wake up only by VGA source in VGA source
		HDMI Wake	"On/Off default: Off"	when VGA Wake change to On ,PD can be wake up only by HDMI source in HDMI source
	RS322 Control	On/Off		
	Pixel Shift	On/Off		
	Restore	Restore Setting	Cancel/OK	you can reset Android setting and OSD setting by Restore Setting except time、language and sound
		Restore Default	Cancel/OK	reset system

NOTE: You can set VGA \ HDMI Wake "ON" if you want to wake up PD from VGA \ HDMI source.

This product support regular shutdown and timing boot function, specific reference in the table above Shutdown Time \ Power Time.

5. USB device compatibility

USB Multimedia Codec Formats

Video Decode						
Type	Video Codec	Container	Decode	Encode	Channel	Remark
MPEG1/2	MPEG1/2	File Format:VOB	V			Supported Image Size:48x48pixels to 1920x1088pixels Maximum Frame Rate:30fps Maximum Bit Rate:80Mbps Audio Codec: MP2, MP3
MPEG-4	MPEG4	File Format: MKV, MP4, 3GP	V			Supported Image Size:48x48pixels to 1920x1088pixels Maximum Frame Rate:30fps Maximum Bit Rate:38.4Mbps Audio Codec: MP2, MP3, AAC, (1) Not support MS MPEG4 v1/v2/v3 (2) Not support GMC(global motion compensation)
H.263	H.263	File Format: 3GP,MP4	V			Supported Image Size:QCIF(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: MKV, MP4, 3GP,	V			Supported Image Size:48x48pixels to 1920x1088pixels Maximum Frame Rate:30fps Maximum Bit Rate:57.2Mbps Audio Codec: MP2, MP3, AAC, (1) Not support MBAFF
VC-1	VC1	File Format: MKV	V			Supported Image Size:48x48pixels to 1920x1088pixels Maximum Frame Rate:30fps Maximum Bit Rate:45Mbps Audio Codec: MP2, MP3, AAC,WMA

Audio Decode

Type	Audio Codec	Container	Decode	Encode	Channel	Remark
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 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

Type	Image Codec	Photo	Decode	Encode	Channel	Remark
JPEG	JFIF file format 1.02	File 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

NOTES:

- Sound or video may not work if the contents have a standard bit rate/frame rate above the compatible Frame/sec listed in the table above.
- Video content with a Bit rate or Frame rate larger than the rate specified in the table above can cause choppy video during playback.

6. Input Mode

User Mode

Standard Resolution	Active Resolution		Refresh Rate	Pixel Rate	Aspect Ratio
	H Pixels	V Lines			
VGA	640	480	60 Hz	25.175 MHz	4:3
			67 Hz	31.5 MHz	
			75 Hz	31.5 MHz	
WVGA	720	400	70 Hz	33.75 MHz	4:3
SVGA	800	600	60 Hz	65 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 MHz	16:10
HD1080	1920	1080	60 Hz	148.5 MHz	16:9

HDMI Input Mode

Standard Resolution	Active Resolution		Refresh Rate	Pixel Rate	Aspect Ratio
	H Pixels	V Lines			
1080 P 59.94/60Hz	1920	1080	60 Hz	148.325 MHz	16:9
1080 P 50Hz	1920	1080	50 Hz	148.5 MHz	16:9
1080 P 29.97/30Hz	1920	1080	30 Hz	74.25 MHz	16:9
1080 P 25Hz	1920	1080	25 Hz	74.25 MHz	16:9
1080 P 23.97/24Hz	1920	1080	24 Hz	74.25 MHz	16:9
1080 I 59.94/60Hz	1920	1080	60 Hz	74.25 MHz	16:9
1080 I 50Hz 16:9	1920	1080	50 Hz	74.25 MHz	16:9
720 P 50Hz 16:9	1280	720	50 Hz	74.25 MHz	16:9
720 P 59.94/60Hz	1280	720	60 Hz	74.25 MHz	16:9
576 I 50Hz 4:3	720	576	50 Hz	13.5 MHz	4:3/16:9
480 I 59.94/60Hz	720	480	60 Hz	13.5 MHz	4:3
576 P 50Hz 4:3	720	576	50 Hz	27 MHz	4:3/16:9
480 P 59.94/60Hz	720	480	60 Hz	27 MHz	4:3/16:9

7. Cleaning and Troubleshooting

7.1. 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.

7.2. Troubleshooting

Symptom	Possible Cause	Remedy
No picture is displayed	<ul 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. 	<ul 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	<ul style="list-style-type: none"> 1. The signal cable is not connected properly. 2. The input signal is beyond the capabilities of the display. 	<ul 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	<ul 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	<ul 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. 	<ul 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.

8. Technical Specifications

Display:

Item	DH-LDH32-MAI200	DH-LDH43-MAI200	DH-LDH49-MAI200	DH-LDH55-MAI200
Screen Size (Active Area)	31.55 Inches (801.31 mm) diagonal LCD	42.51 Inches (1079.87 mm) diagonal LCD	48.5 Inches (1232.0 mm) diagonal LCD	54.64 Inches (1387.80 mm) diagonal LCD
Aspect Ratio	16:9	16:9	16:9	16:9
Number of pixels	1920 (H) × 1080 (V)	1920 (H) × 1080 (V)	1920 (H) × 1080 (V)	1920 (H) × 1080 (V)
Pixel pitch	0.36375 (H) × 0.36375 (V) [mm]	0.4902 (H) × 0.4902 (V) [mm]	0.55926 (H) × 0.55926 (V) [mm]	0.630 (H) × 0.630 (V) [mm]
Displayable colors	8bits(D),16.7 Million colors	8bits(D),16.7 Million colors	8bits(D),16.7 Million colors	8bits(D),16.7 Million colors
Brightness (typical)	400 cd/m ² (typ)	450 cd/m ² (typ)	450 cd/m ² (typ)	450 cd/m ² (typ)
Contrast ratio (typical)	1100:1	1100:1	1100:1	1100:1
Viewing angle	178 degrees	178 degrees	178 degrees	178 degrees

General:

Item	DH-LDH32-MAI200	DH-LDH43-MAI200	DH-LDH49-MAI200	DH-LDH55-MAI200
Internal memory	8GB eMMC (4.5GB usable)			
Power Supply	AC 100 - 240V, 50 - 60Hz			
Power Consumption (Max)	75 W	107 W	130 W	139 W
Power Consumption (typ.)	53 W	59 W	76 W	85 W
Power Consumption (Standby & Off)	<0.5W (RS232 in active)			
Dimensions (Without Stand) [W x H x D]	724.8 × 424.3 × 56.4 mm	965.0 × 559.3 × 45.5mm	1097.6 × 633.9 × 45.5 mm	1233.4 × 710.3 × 45.5 mm
Weight (Without Stand)	6.0 Kg	10.70 Kg	14.70 Kg	19.8 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

Internal Speaker:

Item	Specifications
Type	1 Way 1 Speaker
Input	8 W (RMS)
Impedance	8Ω
Output Sound Pressure	80 dB/W/M
Frequency Response	160 Hz ~ 13 KHz



智能云信息终端 用户手册

DH-LDH32-MAI200
DH-LDH43-MAI200
DH-LDH49-MAI200
DH-LDH55-MAI200

安全注意事项

安全措施与维修

警告：使用本文档中未介绍的控制、调整或过程可能导致碰撞、电气危险和 / 或机械危险。



在连接和使用监视器时，请阅读并遵循下列注意事项：

操作：

- 请勿让监视器受阳光直接照射，并使其远离火炉或其它任何热源。
- 移开任何可能掉入通风孔的物品或者会妨碍监视器电子器件正常散热的物品。
- 请勿堵塞机壳上的通风孔。
- 放置监视器时，确保电源插头和插座便于插拔。
- 如果刚刚通过拔掉电源线关闭了监视器，则必须等待 6 秒钟，方可重新接上电源线，以确保正常运行。
- 务必使用由 DH 提供的经过认可的电源线。如果电源线缺失，请与您当地的服务中心联系。
- 在使用过程中，请勿让监视器受到剧烈震动或碰撞。
- 在使用或运输期间，请勿敲打监视器或使监视器掉落。

维护：

- 为保护监视器以防损坏，请勿过分用力按压液晶面板。移动监视器时，抓住边框将其抬起；抬起时，请勿将手或手指放在液晶面板上。
- 长时间不使用监视器时，应拔掉监视器电源插头。
- 使用略微蘸湿的布清洁监视器时，应拔掉监视器电源插头。电源关闭时，可以使用干布擦拭屏幕。但是，切勿使用有机溶剂（如酒精）或含氨水的液体清洁监视器。
- 为避免电击或监视器永久性损坏，请勿在多尘、下雨、水附近或过分潮湿的环境中使用监视器。
- 如果监视器被淋湿或受潮了，应尽快用干布擦拭干净。
- 如果异物或水进入监视器，应立即关闭电源，并拔掉电源线。然后，取出异物或擦干水，并送到维修中心进行检修。
- 请勿在炎热、阳光直接照射或严寒的地方存放或使用监视器。
- 为了保持监视器的最佳性能并确保更长使用寿命，我们强烈建议在符合下列温度和湿度范围条件的地方使用监视器。
 - 温度：0-40° C 32-104° F
 - 湿度：20-80% RH

重要：监视器无人看管时，请务必启动移动的屏幕保护程序。如果监视器将显示静止不变的内容，请务必启用屏幕定期刷新应用程序。长时间不间断显示静止或静态图像可能会在屏幕上造成“烙印”，也称“残像”或“余像”。这是液晶面板技术的一种常见现象。多数情况下，关掉电源一定时间后，“烙印”、“残像”或“余像”会逐渐消失。

警告：严重的“烙印”、“残像”或“余像”将无法消失，也无法修理。这也不在保修范围内。

维修：

- 只有专业的维修人士可以打开机壳盖。
- 如需维修或集成，请与您当地的服务中心联系。
- 请勿将监视器放在阳光直接照射的地方。

如果您按照本文档所述进行操作但监视器工作不正常，请联系技术人员或您当地的服务中心。



在连接和使用监视器时,请阅读并遵循下列注意事项:



- 长时间不使用监视器时,应拔掉监视器电源插头。
- 使用略微蘸湿的布清洁监视器时,应拔掉监视器电源插头。电源关闭时,可以使用干布擦拭屏幕。但是,切勿使用酒精、溶剂或氨类液体。
- 如果按照本手册中的说明进行操作但监视器工作不正常,请咨询技术人员。
- 只有专业的维修人士可以打开机壳盖。
- 请勿让监视器受阳光直接照射,并使其远离火炉或其它任何热源。
- 移开任何可能掉入通风孔的物品或者会妨碍监视器电子器件正常散热的物品。
- 请勿堵塞机壳上的通风孔。
- 使监视器保持干燥。为避免电击,请勿让其遭受雨淋或受潮。
- 如果刚刚通过拔掉电源线或直流电源线关闭了监视器,则必须等待 6 秒钟,方可重新接上电源线或直流电源线,以确保正常运行。
- 为避免电击或本机永久性损坏,请勿使监视器遭受雨淋或受潮。
- 放置监视器时,确保电源插头和插座便于插拔。
- 重要:务必在使用过程中激活屏幕保护程序。如果屏幕上长时间显示高对比度静止图像,可能会出现图像残留或重影。这是由于液晶技术固有缺陷而导致的已知现象。大多数情况下,在关闭电源后,图像残留会随着时间推移而逐渐消失。请注意,图像残留现象无法修理,不在保修范围内。

CE 符合性声明

此设备符合在电磁兼容(2014/30/EU)、低电压指令(2014/35/EU)、RoHS 指令(2011/65/EU)和无线电设备指令(2014/53/EU)方面协调统一各成员国法律的理事会指令所规定的要求。

经测试,本产品符合信息技术设备的统一标准,这些统一标准根据欧盟官方杂志的规程发布。

警告:

本设备符合 EN55032/CISPR 32 之 A 类标准。在居住环境中,本设备可能会造成无线电干扰。

静电警告

用户靠近监视器可能会造成设备放电并重新启动到主菜单屏幕。

联邦通信委员会(FCC) 声明 (仅限美国)



注意:本设备已依照美国联邦通信委员会(FCC)规则第 15 部分进行测试,符合 A 类数字设备的限制条件。这些限制的目的是在商用环境中操作设备时提供防止有害干扰的合理防护。本设备产生、使用并可能辐射射频能量,如果不按照使用手册的说明进行安装和使用,可能会对无线电通信造成有害干扰。在居住区域中使用本设备有可能造成有害干扰,若出现这种情况,用户应消除干扰并自行承担费用。

若未经符合性责任方明确许可而对本产品进行变更或修改,会使用户失去操作设备的资格。



当将此监视器与计算机设备连接时,请仅使用随此监视器所配的能屏蔽射频信号的线缆。

为防止因损坏而导致火灾或电击危险,切勿让本设备遭受雨淋或受潮。

本设备符合 FCC 规则第 15 部分的要求。其运行符合下面两个条件:(1)本设备不得产生有害干扰,并且(2)本设备必须承受任何接收到的干扰,包括那些可能导致非预期操作的干扰。

欧洲 – 欧盟符合性声明

本设备符合无线电设备规程 (2014/53/EU) 的基本要求。已采用了以下测试方法以证实答无线电设备规程 (2014/53/EU) 基本要求的推定:

- EN60950-1

信息技术设备安全

- EN 62311

与电磁场人体辐射限制相关的电子电气设备的评估 (0 Hz-300 GHz)

- EN 300 328 (针对 802.11b/g/n)

电磁兼容和无线电频谱事宜(ERM); 宽带传输系统 运行在 2.4 GHz ISM 频段并使用扩展频谱调制技术的数据传输设备; 涵盖 R&TTE 指令第 3.2 款基本要求的对应 EN

- EN 301 489-17

电磁兼容和无线电频谱事宜 (ERM); 无线电设备和服务的电磁兼容 (EMC) 标准; 第 17 部分: 通用技术要求 2.4 GHz 宽带传输系统和 5 GHz 高性能 RLAN 设备的具体条件

- EN 301 489-1

电磁兼容和无线电频谱事宜 (ERM); 无线电设备和服务的电磁兼容 (EMC) 标准; 第 1 部分: 通用技术要求

加拿大:

加拿大工业部声明:

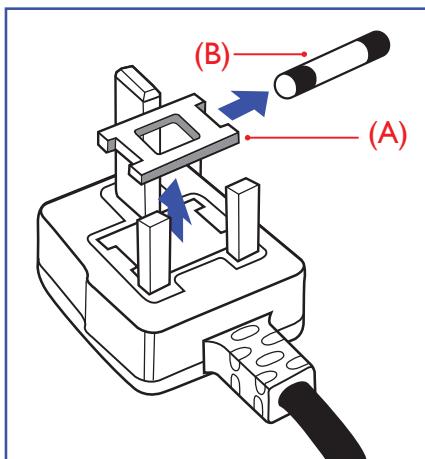
本设备符合加拿大工业部条例 RSS-247 的要求。其运行符合下面两个条件: (1) 本设备不得产生有害干扰, 并且 (2) 本设备必须承受任何接收到的干扰, 包括那些可能导致非预期操作的干扰。

Ce dispositif est conforme à la norme CNR-247 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement in

电场、磁场和电磁场 (“EMF”)

1. 我们生产及销售多种以消费者为目标的产品, 这些产品如同任何电子产品一样, 通常具有发射和接收电磁信号的能力。
2. 我们的商业原则之一是为我们的产品采取所有必要的健康和安全措施, 以便在制造这些产品时, 能符合所有的适用法律要求, 并处于适用的 EMF 标准要求范围之内。
3. 我们致力于研发、生产和销售对身体无不良影响的产品。
4. 我们确认, 如果在其指定的用途范围内正确地使用产品, 根据今天所能得到的科学证据, 使用它们是安全的。
5. 我们在国际 EMF 和安全性标准的发展方面扮演了一个活跃的角色, 使得我们能预见未来的标准化发展方向, 并能及早集成到我们的产品中。

仅适用于英国的信息



警告 - 本装置必须接地。

重要:

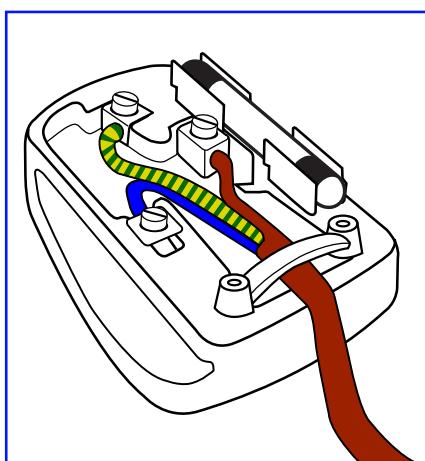
本装置配有一个经过认可的 13A 模制插头。要更换这种插头中的保险丝, 请执行如下操作:

1. 取下保险丝盖和保险丝。
2. 装入经 A.S.T.A. 或 BSI 认可的 BS 1362 5A 型新保险丝。
3. 重新装好保险丝盖。

如果插头与您的插座不匹配, 可将其切下, 另装上一个适宜的 3 脚插头。

如果主插头含有保险丝, 其额定值应为 5A。如果使用的插头没有保险丝, 则配电板上的保险丝不应超过 5A。

注意: 切下的插头应予销毁, 以防止其被插入其他地方的 13A 插座时可能引起的触电危险。



插头如何接线

在电源线线头中的电线颜色符合以下规范:

- 蓝色 - “零线” (“N”)
- 褐色 - “火线” (“L”)
- 绿黄相间 - “地线” (“E”)

1. 绿黄相间的电线必须与插头中标有字母 E, 或有接地符号, 或颜色为绿色或绿黄相间的接线端相连。
2. 蓝色的电线必须与标有字母 N 或颜色为黑色的接线端相连。
3. 褐色的电线必须与标有字母 L 或颜色为红色的接线端相连。

在装回插头盖之前, 确认线夹已经被夹牢在线头的护套上, 而不仅仅是夹住 3 根电线。

适用于北欧的信息

放置 / 通风

VARNING:

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

放置 / 通风

ADVARSEL:

SØRG VED PLACERINGEN FOR, AT NETLEDNINGENS STIK OG STIKKONTAKT ER Nemt tilgængelige.

Paikka/Ilmankierto

VAROITUS:

SJOITA LAITE SITEN, ETTÄ VERKKOJOHTO VOIDAA TARVITTAESSA HELPOSTI IRROTTAA PISTORASIASTA.

Plassering/Ventilasjon

ADVARSEL:

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

产品使用寿命到期后的处置

您的新公共信息监视器中含有可回收和重复使用的材料。有专门的公司能回收本产品，利用其中可重复利用的材料，减少丢弃废物的数量。请向您当地的 DH 经销商咨询当地有关如何处置您的旧监视器的法律法规。

(对于加拿大和美国的用户)

本产品可能含铅和 / 或汞。废弃处理时请遵循所在州或联邦的法律法规。如需了解更多有关回收利用的信息，请访问 www.eia.org (消费者教育倡议)

废旧电气和电子设备 - WEEE

欧盟个人家庭用户注意事项



产品或其包装上的此标记表明，根据欧盟关于废旧电气和电子设备管理的 2012/19/EU 指令的要求，本产品不能作为普通家庭垃圾进行废弃。您有责任将本设备交由专门的废旧电气电子设备收集处进行废弃处理。欲知可以丢弃这些废旧电气电子产品的地方，请与当地政府部门、废弃物处理机构或您购买产品的销售店联系。

美国用户注意事项：

请按照当地、州及联邦法律进行废弃处理。有关废弃或回收信息，请访问：www.mygreenelectronics.com 或 www.eiae.org.

报废指令 - 回收



您的新公共信息监视器中含有多种可回收利用的材料。

请按照当地、州及联邦法律进行废弃处理

电池



对于欧盟：交叉扶轮垃圾桶意味着废弃电池不能作为一般生活垃圾！废弃电池拥有单独的收集系统，以便按照法律进行正确处理和回收。

有关收集和回收计划的详情，请联系地方当局。

对于瑞士：请将废弃电池送回销售地点。

对于其他非欧盟国家：有关废弃电池的正确处理方法，请联系地方当局。

根据欧盟指令 2006/66/EC，必须适当处理电池。当地服务部门应该分类收集电池。



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

目录

1.	开箱和安装	1
1.1.	开箱	1
1.2.	包装箱内物品	1
1.3.	安装注意事项	1
1.4.	安装和卸下桌面底座（选件）	2
1.5.	挂到墙壁上	3
1.5.1.	VESA 网格板	3
1.6.	竖立安装	4
2.	部件和功能	5
2.1.	控制面板	5
2.2.	输入 / 输出端子	6
2.3.	遥控器	7
2.3.1.	一般功能	7
2.3.2.	安装遥控器电池	9
2.3.3.	遥控器维护	9
2.3.4.	遥控器的工作范围	9
3.	连接外部设备	10
3.1.	连接外部设备 (DVD/VCR/VCD)	10
3.1.1.	使用 HDMI 视频输入	10
3.2.	连接 PC	10
3.2.1.	使用 VGA 输入	10
3.2.2.	使用 HDMI 输入	11
3.3.	连接音频设备	12
3.3.1.	连接外部音频设备	12
3.4.	RS-232C 控制连接	12
4.	操作	13
4.1.	媒体播放器介绍	13
4.2.	PDF reader play (PDF 阅读器播放)	15
4.3.	使用 CMS 3.1	17
4.5.	自定义 app	22
4.5.1.	OSD 菜单操作	22
5.	USB 设备兼容性	25
6.	输入模式	26
7.	清洁和故障排除	27
7.1.	清洁	27
7.2.	故障排除	28
8.	技术规格	29

1. 开箱和安装

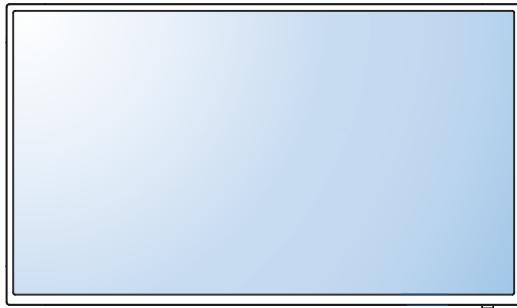
1.1. 开箱

- 此产品包装在一个纸箱中，并附带标准配件。
- 任何其他选件均单独包装。
- 考虑到此监视器的尺寸和重量，建议由两个人搬运此监视器。
- 打开纸箱后，请确认物品齐全且完好无损。

1.2. 包装箱内物品

请确认包装箱中包括以下物品：

- 液晶监视器
- 遥控器
- 电源线 (1.8 m)
- 徽标
- HDMI 线 (1.8m)
- 用户手册



用户手册



遥控器

* 随附的电源线因销售地域不同而异。



电源线



HDMI 线 (1.8 m)



徽标

* 因区域不同而异。

监视器的设计和附件可能与上图所示存在差异。

注意：

- 对于所有其他区域，使用的电源线应与电源插座的交流电压匹配，符合该国家 / 地区有关安全法规的规定并经过认证。（应使用类型 H05VV-F、2G 或 3G、0.75 或 1mm²）。
- 您可将包装箱及包装材料保留下来，以便日后运输监视器。

1.3. 安装注意事项

- 由于本产品属于大功耗产品，请始终使用为其专门设计的插头。如果需要延长线，请咨询服务提供商。
- 本产品应安装在一个平面上，以避免倾翻。产品后部与墙之间应保持一定的距离，以保持适当的通风。应避免将产品安装在厨房、浴室或任何其他高湿度的地方，以免缩短电子元件的使用寿命。
- 本产品只有在海拔 3000 米以下的高度才能正常工作。如果安装地点的海拔高度超过 3000 米，可能会出现一些异常状况。

1.4. 安装和卸下桌面底座（选件）

安装桌面底座：

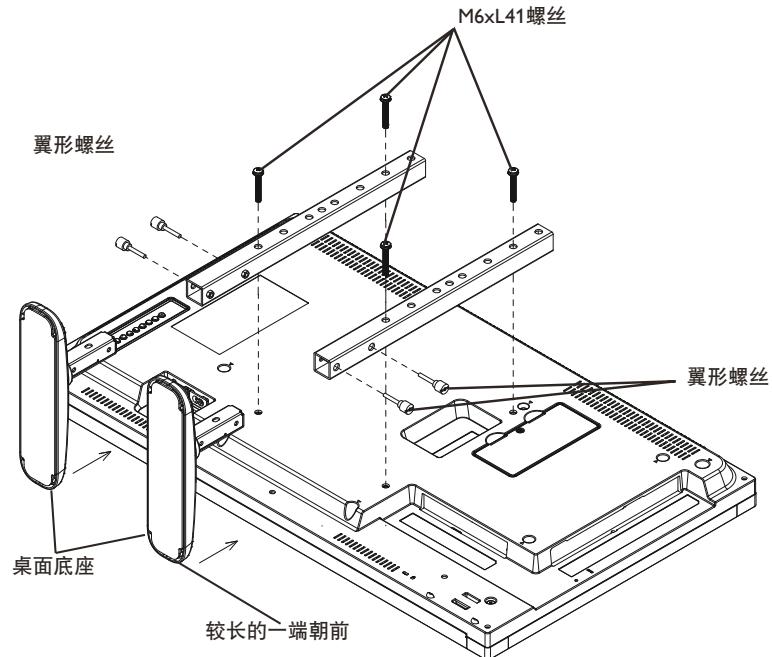
步骤 1- 放到桌子上

将保护膜（打包时包裹在监视器上）铺在桌子上，将显示器正面朝下放在保护膜上，以免刮擦屏幕表面。

步骤 2- 将管固定到监视器（使用 M6xL41 螺丝）

请参考下图了解螺丝位置。

步骤 3- 安装底座（使用翼形螺丝）

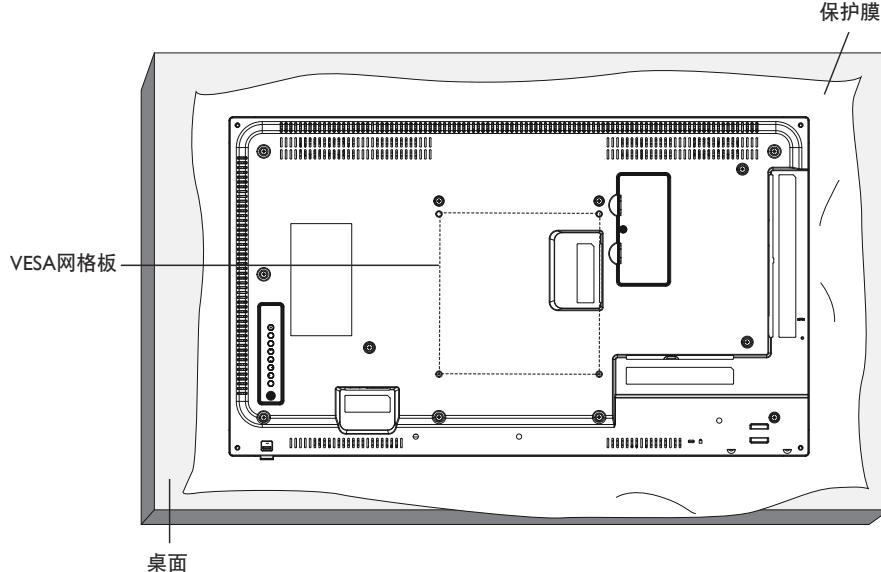


卸下桌面底座：

1. 关闭监视器电源。
2. 将保护膜铺在一个平面上。
3. 将监视器正面朝下放在保护膜上。
4. 用螺丝刀拧下螺丝，将它们放在安全的地方，以便再次使用。

1.5. 挂到墙壁上

为了将此监视器安装到墙壁上，您必须准备一套标准的壁挂套件（另外购买）。我们建议您使用符合 TUV-GS 和 / 或 UL1678 标准的装配板。



1. 将保护膜（打包时包裹在监视器上）铺在桌子上，将监视器正面朝下放在保护膜上，以免刮擦屏幕表面。
2. 确保您已准备好安装此监视器所需的所有附件（壁挂架、吊装架、桌面底座等）。
3. 按照底座装配套件随附的使用说明进行操作。若不遵循正确的装配步骤，可能造成设备损坏或者用户或安装人员受伤。产品保修不包括因安装不当而造成的损坏。
4. 对于壁挂套件，使用 M6 装配螺丝（长度超过装配架厚度 10 mm）并拧紧螺丝。

1.5.1. VESA 网格板

DH-LDH32-MAI200	200(H) x 200(V) mm
DH-LDH43-MAI200	400(H) x 400(V) mm
DH-LDH49-MAI200	400(H) x 400(V) mm
DH-LDH55-MAI200	400(H) x 400(V) mm

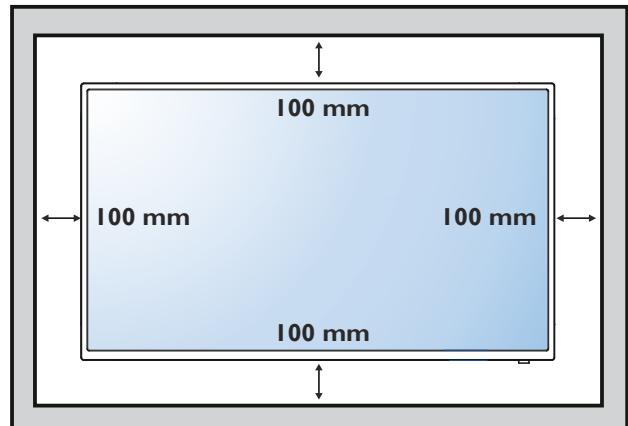
小心：

防止监视器掉落：

- 对于壁挂或吊装情况，我们建议使用市场销售的金属装配架来安装监视器。有关详细的安装说明，请参见装配架随附的指南。
- 为减少监视器在地震或其他自然灾害情况下掉落并造成人员受伤和财产损坏的可能性，务必咨询装配架制造商以确认安装位置。

封闭空间的通风要求

为正常散热，与四周物品之间应留出足够的空间，如下图所示。

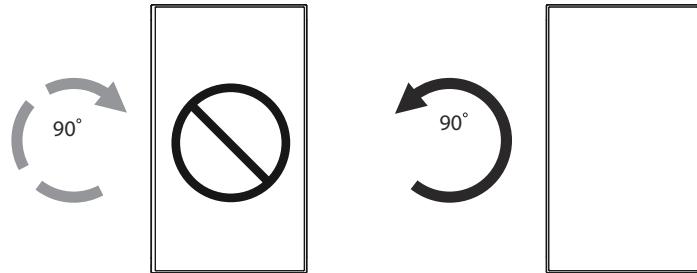


1.6. 竖立安装此

监视器可以竖立安装。

1. 如果已安装桌面底座，将其卸下。

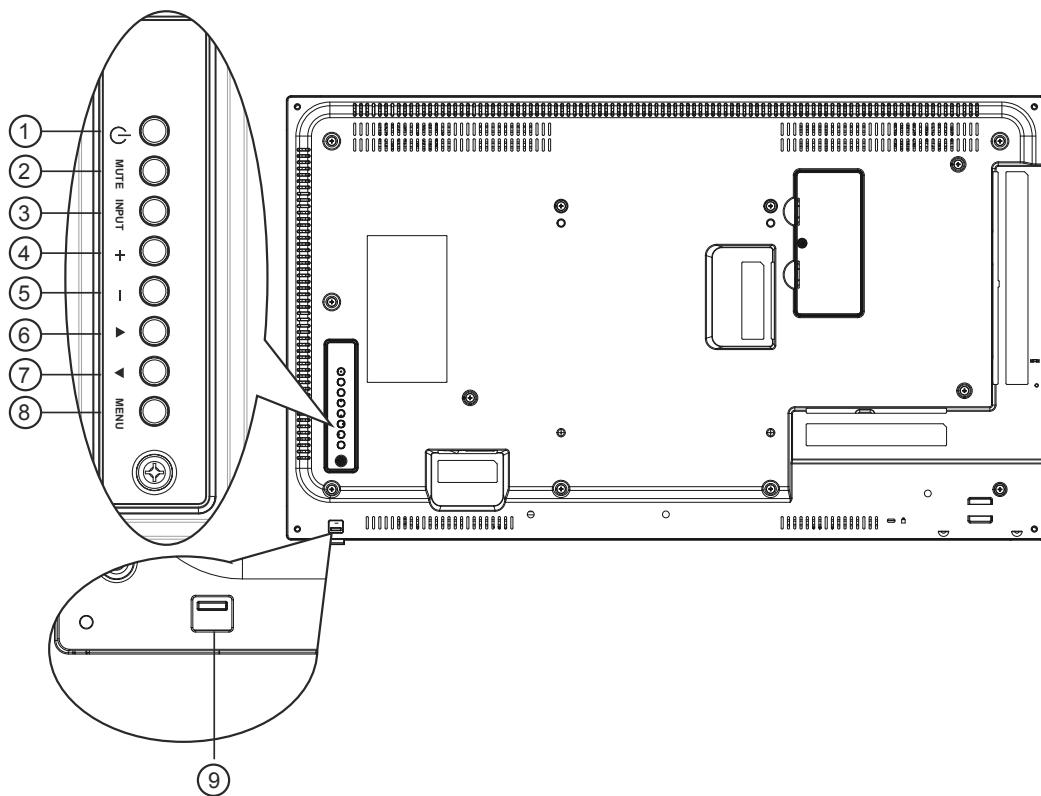
2. 逆时针旋转 90 度。



注意： 将监视器安装在墙壁上时，请咨询专业技术人士以了解正确的安装方式。我们对于非专业人士进行的安装不承担任何责任。

2. 部件和功能

2.1. 控制面板



① [⌂] 按钮

短按此按钮打开监视器电源或使监视器进入待机。
在开机状态下长按此按钮使监视器关机。

② [静音] 按钮

开启 / 关闭音频静音。

③ [输入] 按钮

选择输入源。

④ [+] 按钮

当显示 OSD 菜单时，增大调整值；不显示 OSD 菜单时，增大音频输出值。

⑤ [-] 按钮

当显示 OSD 菜单时，减小调整值；不显示 OSD 菜单时，减小音频输出值。

⑥ [▲] 按钮

当显示 OSD 菜单时，向上移动高亮条以调整所选的项目。

⑦ [▼] 按钮

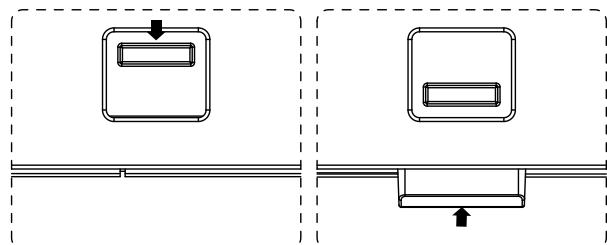
当显示 OSD 菜单时，向下移动高亮条以调整所选的项目。

⑧ [菜单] 按钮

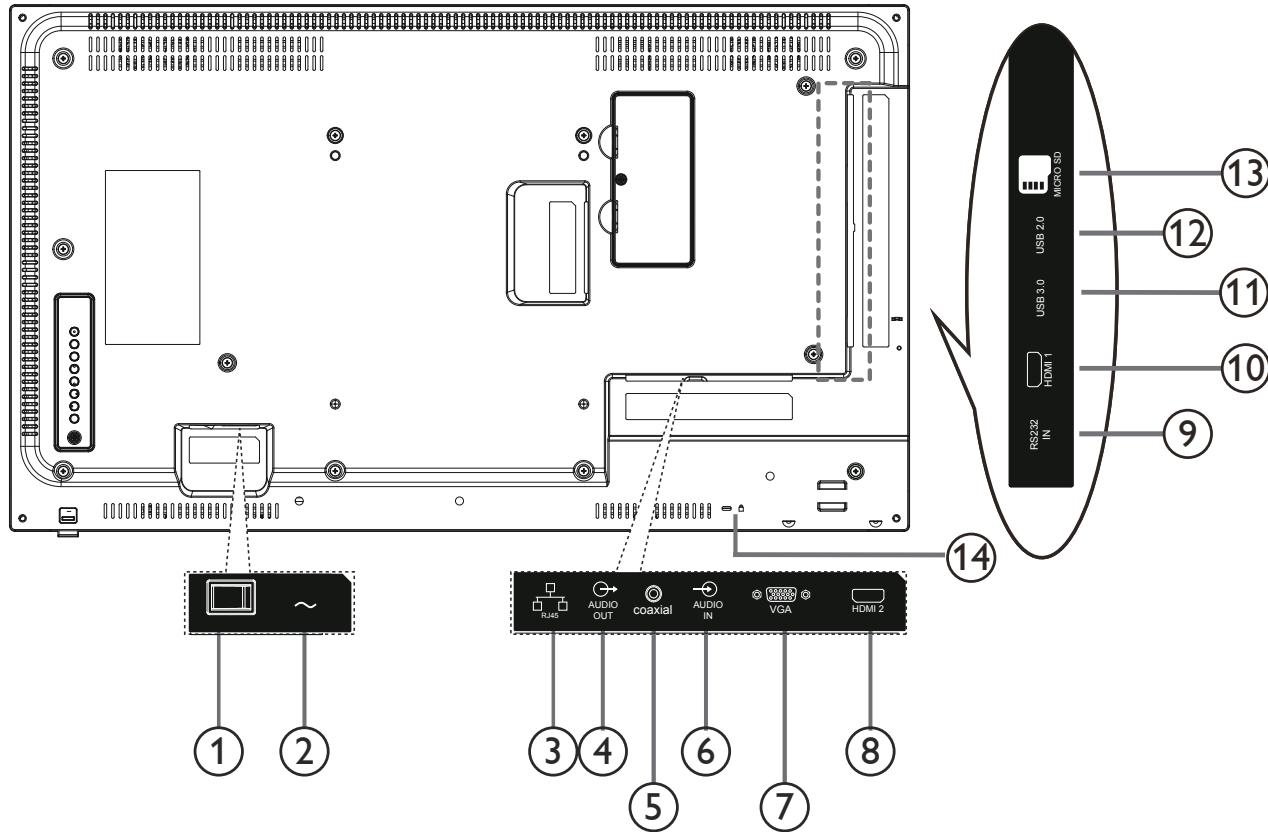
当显示 OSD 菜单时，返回之前的菜单；不显示 OSD 菜单时，激活 OSD 菜单。

⑨ 遥控感应器和电源状态指示灯

- 接收来自遥控器的命令信号。
- 指明监视器的运行状态：
 - 监视器处于工作状态时显示绿色
 - 监视器处于待机模式时显示红色
 - 指示灯闪烁红色时，表明检测到故障
 - 当监视器的主电源关闭时，指示灯熄灭
- 拉下镜头可以获得更好的遥控性能并且方便观察电源状态指示灯信息。
- 在安装监视器用作视频墙之前将镜头推上。
- 拉 / 推镜头直至听到咔哒声。



2.2. 输入 / 输出端子

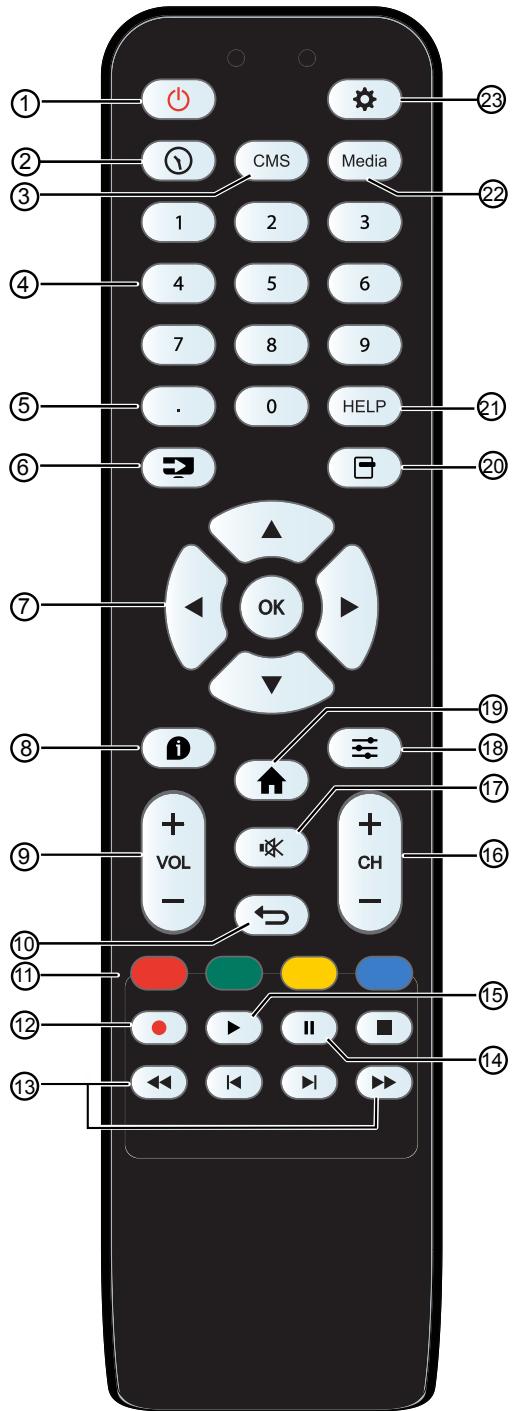


- ① 交流开关
打开 / 关闭交流电源。
- ② 交流输入
来自墙壁插座的交流电源输入。
- ③ RJ-45
内部功能
- ④ 音频输出
将音频输出到外部 AV 设备。
- ⑤ 同轴
数字音频输出。
- ⑥ 音频输入
VGA 源的音频输入。
- ⑦ VGA 输入
VGA 输入

- ⑧ HDMI 2
HDMI 视频 / 音频输入。
- ⑨ RS232 输入
RS232C 网络输入。
- ⑩ HDMI 1
HDMI 视频 / 音频输入。
- ⑪ ⑫ USB 端口
连接 USB 存储设备。
- ⑬ MICRO SD
连接 MICRO SD 卡。
- ⑭ 安全锁
提供安全和防盗保护。

2.3. 遥控器

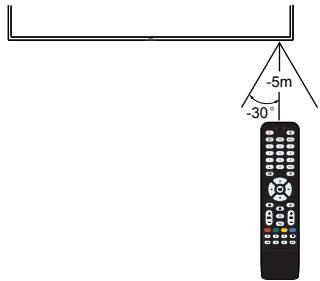
2.3.1. 一般功能



- ① [] 电源按钮
短按此按钮打开监视器电源或使监视器进入待机。
在开机状态下长按此按钮使监视器关机。
- ② [] 时间按钮
转到时间 OSD。
- ③ [CMS] 按钮
转到 LCD 数字电子看板 app。
- ④ [NUMERIC] 按钮
设置数字

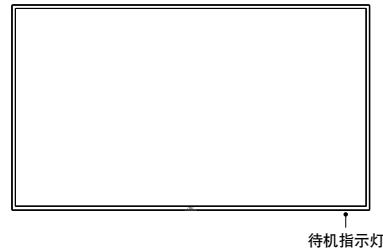
- ⑤ [.] 按钮
设置句点。
- ⑥ [] 输入源按钮
选择输入源。
- ⑦ [][][][][OK] 按钮
向上和向下操作键和确认键。
- ⑧ [] 信息按钮
显示信息 OSD。
- ⑨ [-][+] 音量按钮
增大和减小音量。
- ⑩ [] 返回按钮
在菜单上返回或退出应用程序。
- ⑪ [][][][] 色彩按钮
不支持本机器。
- ⑫ [] 录制键
不支持本机器。
- ⑬ [][] 多媒体按钮
向后和向前
- ⑭ [] 暂停
仅媒体播放器 APK 支持
- ⑮ [] 播放
仅媒体播放器 APK 支持
- ⑯ [CH] 频道 + / - 按钮
不支持本机器。
- ⑰ [] 静音按钮
静音或取消静音。
- ⑱ [] 调整菜单
VGA 自动调整（来源仅限 VGA 输入）。
- ⑲ [] 根菜单
转到 Android 启动程序第一个小组件。
- ⑳ [] 选项菜单
访问当前可用的选项、画面和声音菜单。
重命名播放列表。
(用于媒体输入 / 所有 App/PDF 播放器 / 文件管理器)。
- ㉑ [HELP] 按钮
本机器不起作用。
- ㉒ [Media] 按钮
转到媒体播放器。
- ㉓ [] 设置按钮
设置

遥控器使用



使用遥控器时，靠近监视器按它，然后指向遥控传感器。确保遥控器和监视器之间的信号没有被家具、墙或其它物件阻挡。
打开 / 关闭监视器或切换到待机。

待机指示灯



(产品形状视型号而异，请以实际机器为准！)

打开监视器

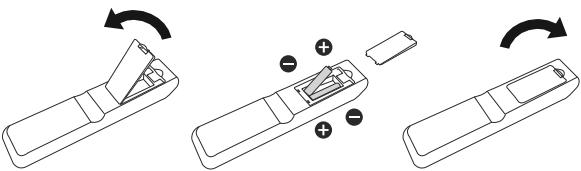
- 请将电源线插入附近的交流电源插座。
- 如果待机指示灯为红色，按遥控上的  (待机 - 启动)。

2.3.2. 安装遥控器电池

遥控器由两节 1.5V AAA 电池供电。

安装或更换电池：

1. 安装并推开电池盖。
2. 按照电池仓内的 (+) 和 (-) 标记放入电池。
3. 重新盖上电池盖。



小心：

电池使用不当可能导致漏液或爆裂。务必遵循以下指导说明：

- 放入“AAA”电池时，使每节电池上的 (+) 和 (-) 标记与电池仓内的 (+) 和 (-) 标记相对应。
- 请勿混用不同类型的电池。
- 请勿混用新旧电池。否则，会缩短电池使用寿命或导致漏液。
- 电池没电后应立即取出，以防在电池仓内漏液。请勿接触暴露的电池酸液，否则会损伤皮肤。

注意：长时间不使用遥控器时，应取出电池。

2.3.3. 遥控器维护

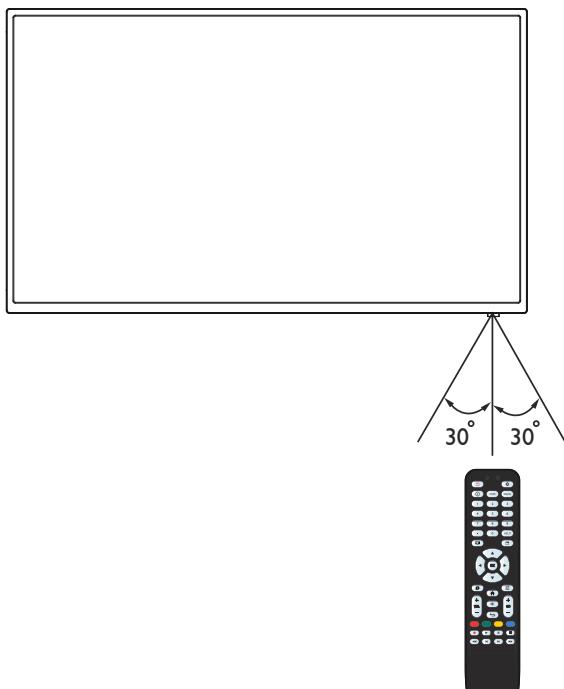
- 请勿让其遭受剧烈碰撞。
- 请勿让水或其他液体溅落到遥控器上。如果遥控器上溅落液体，应立即擦干。
- 避免受热和受潮。
- 除了安装电池外，请勿打开遥控器。

2.3.4. 遥控器的工作范围

当按遥控器按钮时，请将遥控器前端指向监视器上的遥控感应器。

使用遥控器时，与监视器上感应器的距离应小于 5m/16 英尺，水平和垂直角度应小于 30 度。

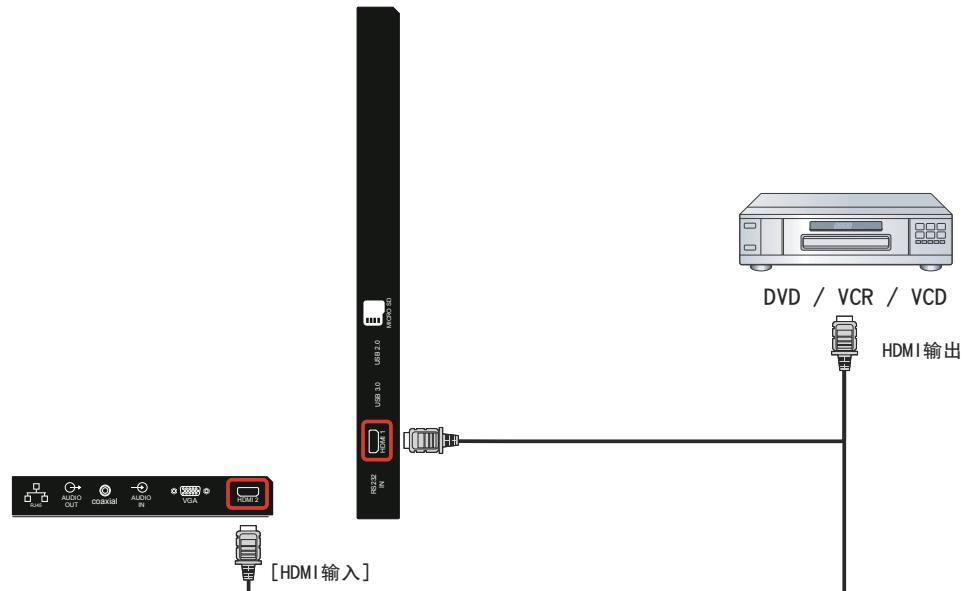
注意：当阳光或其它强光照射在监视器的遥控感应器上，或遥控器与遥控感应器之间有障碍物时，遥控器可能无法正常工作。



3. 连接外部设备

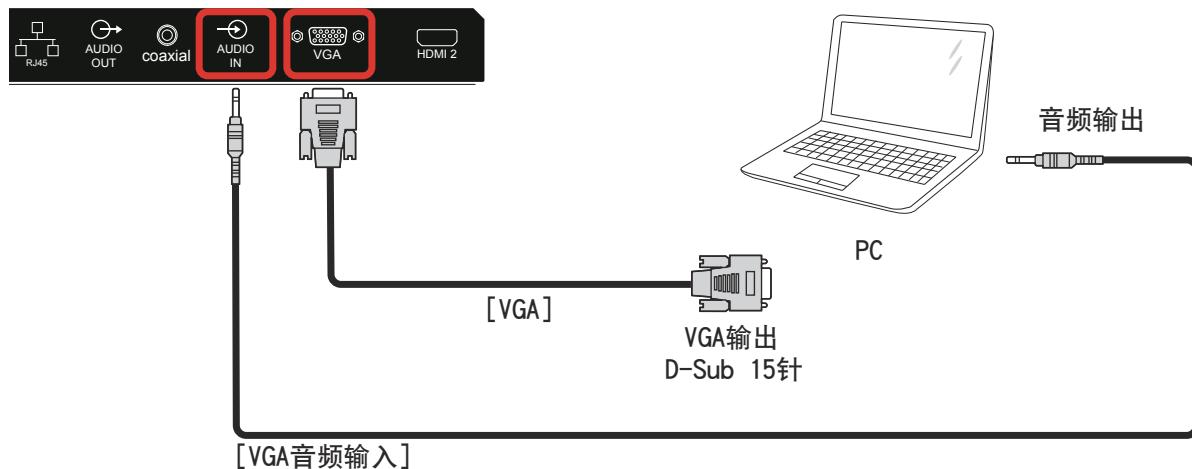
3.1. 连接外部设备 (DVD/VCR/VCD)

3.1.1. 使用 HDMI 视频输入

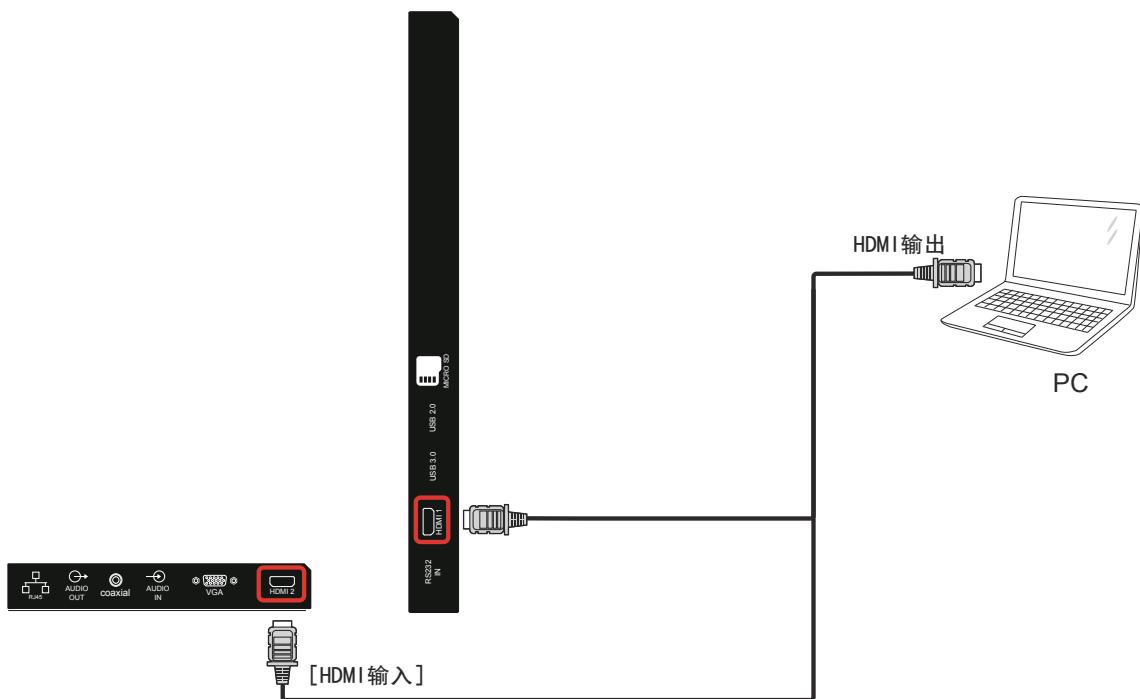


3.2. 连接 PC

3.2.1. 使用 VGA 输入

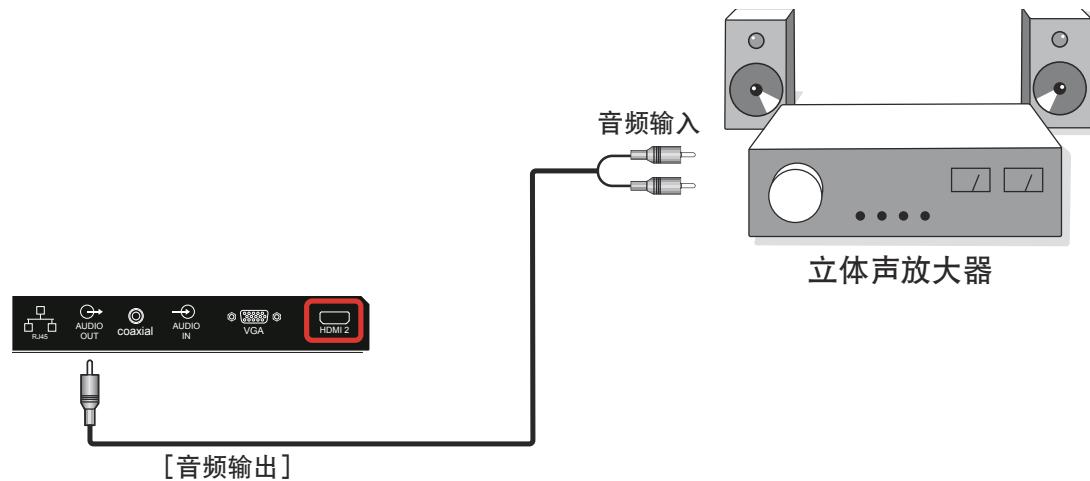


3.2.2. 使用 HDMI 输入

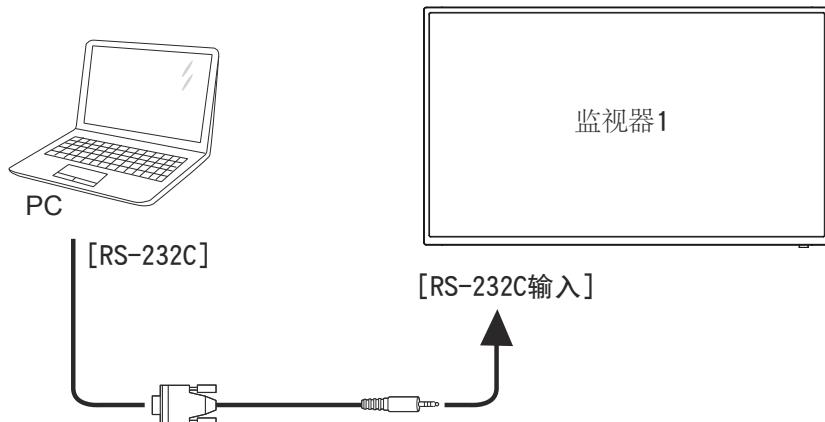


3.3. 连接音频设备

3.3.1. 连接外部音频设备



3.4. RS-232C 控制连接



4. 操作

4.1. 媒体播放器介绍：

1. 媒体播放器的主页，此页有三个项目：“Play”（播放）、“Compose”（编写）和“Settings”（设置）。
 - Play（播放）：选择要播放的播放列表。
 - Compose（编写）：编辑播放列表。
 - Settings（设置）：设置播放属性。



2. 选择主页上的“Play”（播放），首先您应在文件 1 到文件 7 之间选择一个要播放的播放列表。铅笔图标表示播放列表不空。



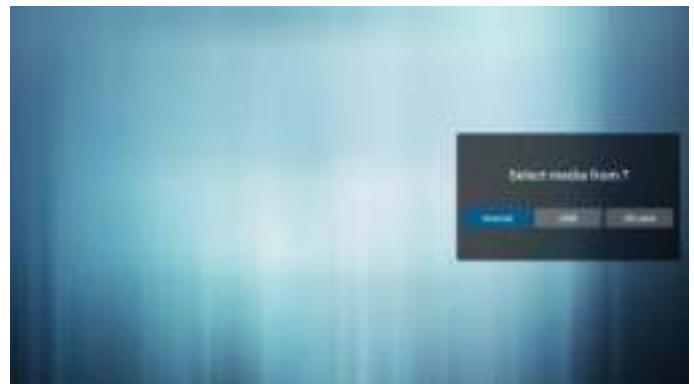
3. 选择主页上的“Compose”（编写），首先您应在文件 1 到文件 7 之间选择一个要编辑的播放列表。铅笔图标表示播放列表不空。



4. 如果选择了空的播放列表，app 将指导您选择媒体源。所有媒体文件应放到根目录中。

例如，

- 视频在 /root/video/ 中
- 照片在 /root/photo/ 中
- 音乐在 /root/music/ 中



5. 您可以编辑或删除非空播放列表，只需选择带铅笔图标的所需播放列表。



6. 您可以重命名播放列表，只需在按下遥控器上的“”键后输入新的名称。



7. 一旦开始编辑播放列表，您将看到以下屏幕。

Source (信号源) - 存储中的文件。

Playlist (播放列表) - 播放列表中的文件。

有 4 图标对应遥控器的按键。

Option key (选项键) - 启动滑动条。

Play key (播放键) - 播放媒体文件。

Info key (信息键) - 显示媒体信息。

Ok key (OK 键) - 选择 / 取消选择文件。

7-1. 在滑动条中，它可以帮助您执行以下操作：

- Select all (全选) : 选择所有存储文件。
- Delete all (全部删除) : 删除所有播放列表文件。
- Add/Remove (添加 / 删除) : 从信号源更新播放列表。
- Sort (排序) : 对播放列表排序。
- Save/Abort (保存 / 终止) : 保存或终止播放列表。
- Back (返回) : 返回。



8. 如果选择滑动条中的“Sort”（排序），您可以逐个更改文件的顺序。



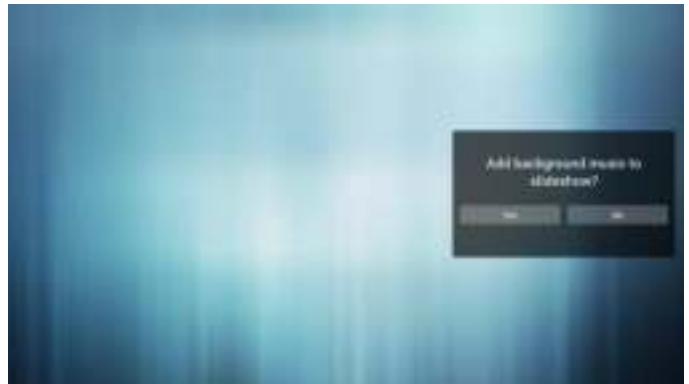
9. 选择所需文件后按信息键，您将获得详细信息。



10. 选择所需文件并按播放按钮，您可以直接播放媒体文件。



11. 如果制作包含所有图像文件的播放列表，应用程序将询问您是否要在播放视频时放背景音乐。



12. 选择主页上的“Settings”（设置），此页有三部分：“Repeat Mode”（重复模式）、“Slideshow Effect”（幻灯片效果）和“Effect Duration”（效果时长）。

Repeat Mode（重复模式）：播放模式。

Slideshow Effect（幻灯片效果）：照片幻灯片效果。

Effect Duration（效果时长）：照片效果时长。

Repeat Mode（重复模式）：播放模式。



Media Hotkey（媒体热键）：

Play（播放）：播放文件。

Pause（暂停）：中斷文件。

Fast forward（快进）：快速前进 10 秒。

Rewind（快退）：快速后退 10 秒。

Stop（停止）：停止文件并返回开始。如果是 GIF 文件，则功能与暂停 - 向后：返回相似。

4.2. PDF reader play (PDF 阅读器播放)

1. Pdf app 的主页，此页有三个项目：“Play”（播放）、“Compose”（编写）和 “Settings”（设置）。

Play（播放）：选择要播放的播放列表。

Compose（编写）：编辑播放列表。

Settings（设置）：设置播放属性。



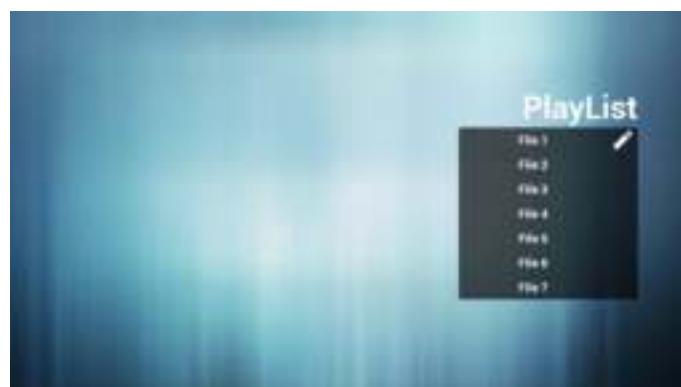
2. 选择主页上的 “Play”（播放），首先您应在文件 1 到文件 7 之间选择一个要播放的播放列表。

铅笔图标表示播放列表不空。



3. 选择主页上的 “Compose”（编写），首先您应在文件 1 到文件 7 之间选择一个要编辑的播放列表。

铅笔图标表示播放列表不空。



4. 如果选择了空的播放列表，app 将指导您选择媒体源。

所有媒体文件应放到根目录中。

例如，

- pdf 在 /root/pdf/ 中



5. 您可以编辑或删除非空播放列表，只需选择带铅笔图标的所有播放列表。



6. 您可以重命名播放列表，只需在按下遥控器上的 “ ” 键后输入新的名称。



7. 一旦开始编辑播放列表，您将看到以下屏幕。

Source（信号源） - 存储中的文件。

Playlist（播放列表） - 播放列表中的文件。

有 4 图标对应遥控器的按键。

Option key（选项键） - 启动滑动条。

Play key（播放键） - 播放媒体文件。

Info key（信息键） - 显示媒体信息。

Ok key（OK 键） - 选择 / 取消选择文件。

6-1. 在滑动条中，它可以帮助您执行以下操作：

- select all（全选）：选择所有存储文件。

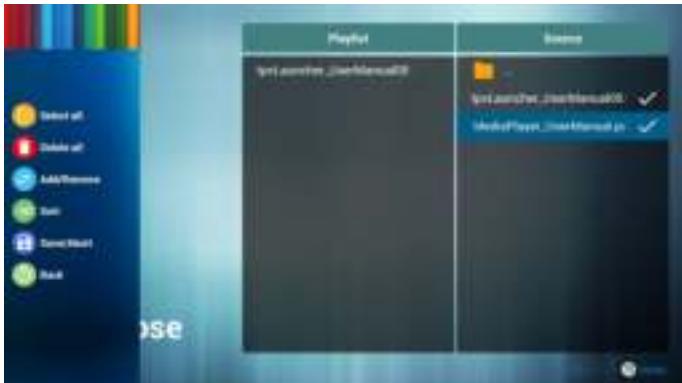
- delete all（全部删除）：删除所有播放列表文件。

- add/remove（添加 / 删除）：从信号源更新播放列表。

- sort（排序）：对播放列表排序。

- save/abort（保存 / 终止）：保存或终止播放列表。

- back (退回) : 返回。



向上 / 向下 / 向左 / 向右：调整页。（页已被放大 / 缩小时）

向左：上一页。（页未被放大 / 缩小时）

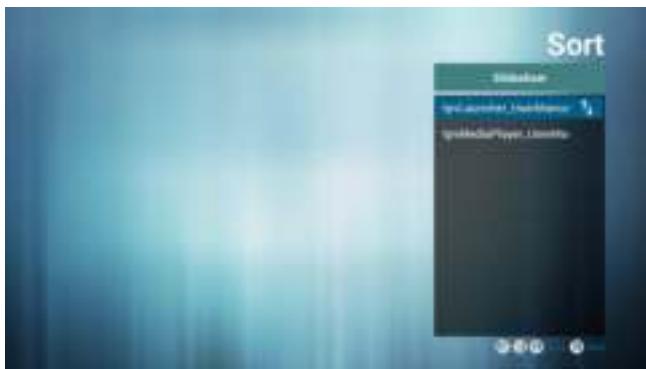
向右：下一页。（页未被放大 / 缩小时）

Combination key (组合键) :

数字键 + OK 键：选择指定页并按 OK 键更改页。

- 按数字键。- 按 OK 键，页底部将显示页码，如果页码超过总页码，它不会更改页并在页底部显示当前页码。

8. 如果选择滑动条中的“Sort”（排序），您可以逐个更改文件的顺序。



9. 选择主页上的“Settings”（设置），此页有两部分：“Repeat Mode”（重复模式）和“Effect Duration”（效果时长）。

Repeat Mode (重复模式) : 播放模式。

Effect Duration (效果时长) : 照片效果时长。



Media Hotkey (媒体热键) :

Play (播放) : 播放文件。

Pause (暂停) : 暂停页。

Fast forward (快进) : 转到下一页，如果此页是文件的末尾，它会转到下一文件。

Rewind (快退) : 返回上一页，如果此页是文件的开头，它会返回到上一个文件。

Stop (停止) : 返回文件的第一页

Color Hotkey (色彩热键) :

蓝色: 放大 (+10%)

黄色: 缩小 (-10%)

OK: 恢复缩放

Arrow keys (箭头键) :

4.3. 使用 CMS 3.1

1. 系统需求

	系統需求
作业系统	Windows 7,8,10 (32/64 位元)
中央处理器	2.5GHz CPU 或更快
内存	4GB
硬盘	100GB
网路卡	10/100/1000 以太网卡

2. 应用程式

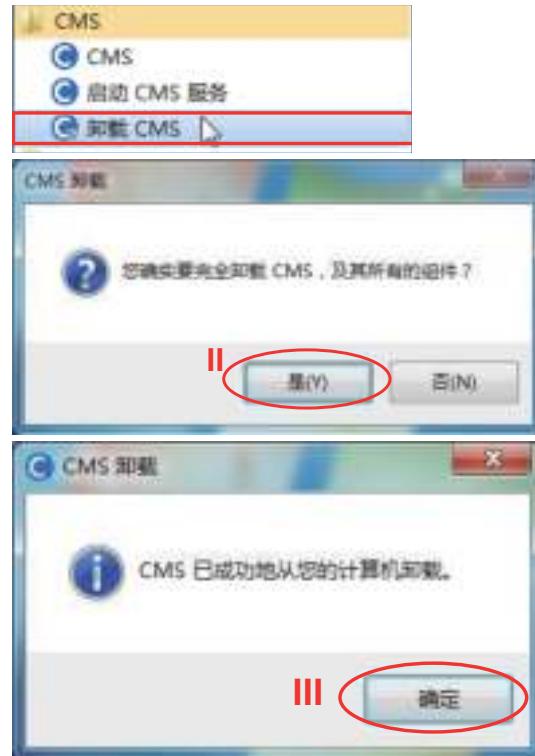
1) 安装

请先关闭防火墙及防毒软体



2) 卸载

此动作将会清除包括高级设置 - 完整备份档的 CMS 所有资料。



3) 版号



4) 升级此动作将会清除 CMS 所有资料若要保留旧有的广告内容资料，请先进行高级设置 - 完整备份。



5) 名词说明

名词	说明
群组	发布发布单位。您可以对设备进行分组。
广告	您可以设计内容。
PIN 码	必须在设备上设定，用来绑定设备的码。
范本	您可以从范本选择来设计广告的内容。
.bak	备份文件档。
.cms	发布内容文件档。
.cmx	广告文件档。

3. 登录

默认帐号: admin

默认密码: admin



4. 帐号



1) 帐号管理 (仅限管理者)



I. 建立帐号



II. 帐号清单: 从建立帐号后得到的帐号清单, 点击

选取后可进行

相关操作。

III. 启用帐号: 选定要启用的帐号后, 点击此操作钮, 可激活该帐号,

再次点击则关闭该帐号。

IV. 删除帐号: 先于帐号清单中选取一笔后, 再点击此操作钮, 可

删除该帐号, 其设计过的相关广告、时段、发布记录...等, 将一并删除。

V. 重设帐号密码: 先于帐号清单中选取一笔后, 再点击此操作钮,

可将此帐号的密码重新设定, 其重新设定后的密码为:

Ab123456。

2) 帐号资讯

点击后可前往修改显示名称。

3) 修改密码

点击后可前往修改密码。

4) 操作设定

操作导引精灵: 点击后可开启操作导引精灵。

5. 功能

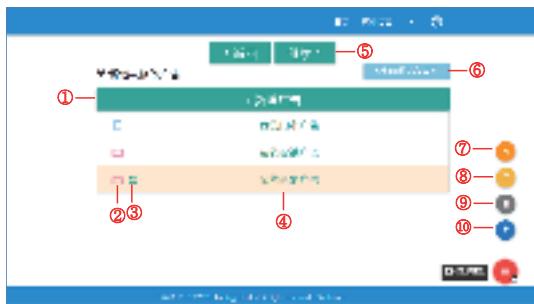
1) 在线升级软件 .



点击选择 更新文件



6. 广告编辑



1) 新增广告

I. 从范本创建:



II. 自订广告:



※ 设计准则与限制：请参阅「广告设计指南」。

III. 导入广告档



2) 版型



3) 自订广告

自行订定广告样式的广告内容。

4) 广告清单

从新增广告后得到的广告清单，点击选取后可进行相关操作。

5) 继续

先于清单中选取一笔后，再点击此操作钮，可针对

该笔清单进行内容的编辑，在此是编辑广告。

6) 快速前往排程管理

点击后直接快速前往排程管理。

7) 重命名广告

先于清单中选取一笔后，再点击此操作钮，可重命名该笔清单的名称。

8) 复制广告

先于清单中选取一笔后，再点击此操作钮，可依照该笔清单复制出一笔新的清单。

9) 删除广告

先于清单中选取一笔后，再点击此操作钮，可删除该笔清单。

10) 导出广告

先于清单中选取一笔后，再点击此操作钮，可将该笔清单的内容汇出成 .cmx 的档案。

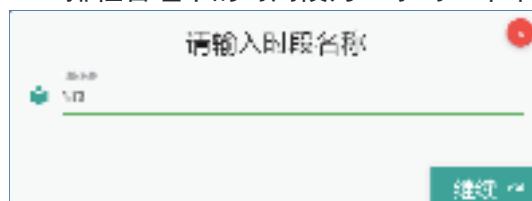
7. 排程管理

选择群组之后，选择时段，然后再勾选广告及广告播放时间，完成排程。



1) 新增时段

排程管理中的时间段为 1 小时一个单位。



2) 排程时段清单

从新增时段后得到的排程时段清单，点击选取后可进行相关操作。

3) 继续

先于清单中选取一笔后，再点击此操作钮，可针对该笔清单进行内容的编辑，在此是编辑时段，接着是勾选广告及输入广告播放时间。

4) 快速前往发布管理

点击后直接快速前往发布管理。

5) 重命名时段

先于清单中选取一笔后，再点击此操作钮，可重命名该笔清单的名称。

6) 删除时段

先于清单中选取一笔后，再点击此操作钮，可删除该笔清单。

※ 排程限制：

1. 依需求简化考虑，排程管理仅支持一天内的时段排程，并不支持特定日期（含年、月、日）的排程。
2. 依需求简化考虑，排程管理仅可支持以小时为单位，尚不可以精确到分钟与秒为单位。

8. 发布管理

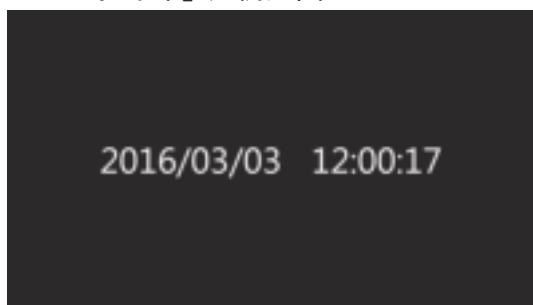


1) 群组发布清单

从新增时段后得到的群组发布清单，点击选取后可进行相关操作。

2) 编排时段外广告

在编排的时段以外，其余时段未编排任何广告的情况下，会播放的内容。点击后可变更，未变更前为「小时钟」范例如图：



3) 发布

先于清单中选取一笔后，再点击此操作钮，可针对所选群组进行广告内容的发布，发布完成后，可下载该群组最新发布的.cms 档案。



4) 发布记录



5) 检视排程

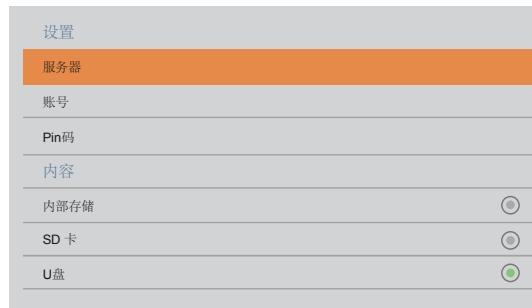
先于清单中选取一笔后，再点击此操作钮，可直接快速前往检视该群组的排程管理内容。

9. 设备管理

1) 装置设定 (主页 / 应用 / 全部应用 / CMSSetting)

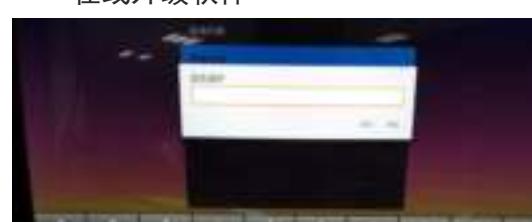
必须在设备中设定此组帐号及 PIN 码。

Android PD



如果你插入 U 盘，请选择 U 盘播放，如果你插入 SD 卡，请选择 SD 卡播放，如果你选择内部存储，那么请把 U 盘或者 SD 卡里面的内容拷贝到内部存储

2) (主页 / 设置 / 系统升级 / 在线升级) 在线升级软件



输入 CMS 服务器的 IP 地址

PD 在上电时会到服务器端获取更新的升级包。此时 PD 必须连上网络。

3) 装置清单

于装置端经过绑定程序后，即出现于此清单中。

4) 装置连线状态

- I. 装置连线正常。
- II. 装置于离线状态。

5) 装置更新资料状态

- I. 装置下载 CMS 更新档完成。
- II. 装置下载 CMS 更新档失败。
- III. 装置储存空间不足。
- IV. 装置 CMS 更新档下载中。

- 6) 展开装置资料
点击后展开该装置的相关内容。
 - 7) 群组选单
点击后可选取其他选单，即变更该装置的所属群组。
 - 8) 修改群组名称
点击后可针对该群组的名称做修改。
 - 9) 装置命名
点击后输入文字，可针对该装置进行命名。
 10. 高级设置
- 1) 即时广播



- 2) 完整备份 (仅限管理者)



- 3) 完整恢复 (仅限管理者)



4.4.

4.5. 自定义 app

用户可以设置客户源的应用程序

注意：

- (1) 只显示用户安装的 app。
- (2) 不显示系统预安装的 app。

4.5.1. OSD 菜单操作：

第 1 栏	第 2 栏	第 1 第 3 栏	第 2 第 3 栏或第 2 第 2 栏	备注
Picture (图像设定)	Picture Mode (图像模式)	Mode (模式)	Standard (标准) (默认)	取决于 HDMI
			Vivid (鲜艳)	
			Soft (柔和)	
			User (用户)	
	Brightness (亮度)	"[0 … 100] 步骤 1 默认：取决于 (图像模式)"	"[0 … 100] 步骤 1 默认：取决于 (图像样式)"	" 默认：取决于 (图像模式 = 用户) "
			"[0 … 100] 步骤 1 默认：取决于 (图像样式)"	
	Advanced (高级)	VGA	Auto Adjust (自动调节)	取决于输入源为 VGA
			Horizontal (水平) [0…100]	
			Vertical (垂直) [0…100]	
			Clock (时钟) [0…100]	
			Phase (相位) [0…100]	
	Color temperature (色温)	Standard (标准) (9300K) Cool (冷色) (12000K) Warm (暖色) (6500K)	Standard (标准) (9300K)	
			Cool (冷色) (12000K)	
			Warm (暖色) (6500K)	
	Over scan (过扫描)	“On/Off (开 / 关) 默认：关”	“On/Off (开 / 关) 默认：关”	取决于 PC 模式为视频
			PC / Video (PC / 视频) 默认：PC	
	Screen Orientation (屏幕方向)	Screen Orientation (屏幕方向)	0,90,180,270	
Sound (声音)	Sound Mode (声音模式)	Standard (标准) News (新闻) Music (音乐) Movie (影片)		恢复设置不能重置声音 您可以通过 Restore Default (恢复默认) 来重置声音
	Sound Device (声音设备)	Sound Channel (声音通道)	SPEAKER/SPDIF (扬声器 /SPDIF)	
		SPDIF	AUTO/PCM (自动 /PCM)	
	Advanced (高级)	Balance (平衡)	"[-50 … +50] (0 : 默认)"	
		Volume (音量)	"[0 … 100] (25 : 默认)"	

Lock (锁定)	Key Lock (按键锁定)	Off (关) (默认)		默认密码 : 0000 按键锁定更改为 On (开) : 步骤 1: 30 秒后无操作锁定遥控器、按钮、鼠标操作的功能。 步骤 2: 锁定功能后, 需要按遥控器上的 "set" (设置) 按钮, 操作后在密码提示对话框中, 输入正确的密码以解锁功能。 步骤 3: 操作后, 重复步骤 1
		[type password] (输入密码)		
	Change Password (更改密码)	Current Password (旧密码)		
		New Password (新密码)		
		Confirm Password (确认密码)		
		Cancel/OK (取消 /OK)		
Time (时间)	Time Setup (时间设置)	Time Setting (时间设置)	Date Picker (日期选择器)	
		Shutdown Time (关机时间)	Repeat (重复)	OFF (关) /Once (一次) /Everyday (每天) /Workday (每个工作日)
			Time (时间)	
		Power Time (开机时间)	Repeat (重复)	OFF (关) /Once (一次) /Everyday (每天) /Workday (每个工作日)
			Time (时间)	
			Source (来源)	
		Sleep Time (睡眠时间)	"File Number (文件号) [1 ... 7]"	取决于来源 = MEDIA / PDF
			"OFF (关) /10 分钟 /20 分钟 /30 分钟 /60 分钟 / 90 分钟 /120 分钟 /180 分 钟 /240 分钟"	
		Auto Sleep (自动睡眠)	OFF (关) /1 分钟 /3 分 钟 /5 分钟 /10 分钟	
		Time Sync (时间同步)	network Time/OFF (网络时间 / 关)	
Advanced (高级)	Language (语言选择)	英语 (默认)		
		中文		
	Boot Wake (启动唤醒)	UART Wake (UART 唤醒)	"On/Off (开 / 关) 默认: 关"	当 UART 唤醒更改为 On (开) 时, PD 可以通过 UART 唤醒
		VGA Wake (VGA 唤醒)	"On/Off (开 / 关) 默认: 关"	当 VGA Wake (VGA 唤醒) 更改为 On (开) 时, 只能通过 VGA 源唤醒
		HDMI Wake (HDMI 唤醒)	"On/Off (开 / 关) 默认: 关"	当 VGA Wake (VGA 唤醒) 更改为 On (开) 时, 只能通过 HDMI 源唤醒
	RS322 Control (RS322 控制)	On/Off (开 / 关)		
	Pixel Shift (像素偏移)	On/Off (开 / 关)		
	Restore (恢复)	Restore Setting (恢复设置)	Cancel/OK (取消 /OK)	您可以通过 Restore Setting (恢复设置) 重置除时间、语言和声音以外的 Android 设置和 OSD 设置。
		Restore Default (恢复默认)	Cancel/OK (取消 /OK)	reset system (重置系统)

注意： 如果想要从 VGA \ HDMI 源中唤醒 PD，你可以将 VGA \ HDMI 唤醒设为“ON”（开）。

本产品支持定时关机和定时启动功能，具体请参考上表中的“关机时间\开机时间”。

《废弃电器电子产品回收处理管理条例》提示性说明

为了更好地关爱及保护地球，当用户不再需要此产品或产品寿命终止时，请遵守国家废弃电器电子产品回收处理相关法律法规，将其交给当地具有国家认可的回收处理资质的厂商进行回收处理。

中国大陆 RoHS

根据中国大陆《电子电气产品有害物质限制使用标识要求》，以下部分列出了产品中可能包含的有害物质的名称和含量。

产品中有害物质的名称及含量

零部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑料外框	O	O	O	O	O	O
后壳	O	O	O	O	O	O
LCD panel	X	O	O	O	O	O
电路板组件	X	O	O	O	O	O
底座	O	O	O	O	O	O
电源线	X	O	O	O	O	O
其他线材	X	O	O	O	O	O
遥控器	X	O	O	O	O	O

*： 电路板组件包括印刷电路板及其构成的零部件，如电阻、电容、集成电路、连接器等。

本表格依据SJ/T 11364的规定编制。

O： 表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。

X： 表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572规定的限量要求。

上表中打“X”的部件中，应功能需要，部分有害物质含量超出GB/T 26572规定的限量要求，但是符合欧盟RoHS法规要求（属于豁免部分）。

5. USB 设备兼容性

USB 多媒体编码解码器格式

视频解码						
类型	视频编解码器	容器	解码	编码	通道	备注
MPEG1/2	MPEG1/2	文件格式：VOB	V			支持的图像尺寸：48x48 像素到 1920x1088 像素 最大帧速率：30fps 最大位速率：80Mbps 音频编解码器：MP2、MP3
MPEG-4	MPEG4	文件格式：MKV, MP4, 3GP	V			支持的图像 大小：48x48 像素到 1920x1088 像素 最大帧速率：30fps 最大位速率：38.4Mbps 音频编解码器：MP2, MP3, AAC, (1) 不支持 MS MPEG4 v1/v2/v3 (2) 不支持 GMC (全局运动补偿)
H.263	H.263	文件格式：3GP, MP4	V			支持的图像尺寸: QCIF(128x96), QCIF(176x144), CIF(352x288),4CIF(704x576) 最大帧速率：30fps 最大位速率：38.4Mbps 音频编解码器：MP3 (1) 不支持 H.263+
H.264	H.264	文件格式：MKV, MP4, 3GP,	V			支持的图像尺寸：48x48 像素到 1920x1088 像素 最大帧速率：30fps 最大位速率：57.2Mbps 音频编解码器：MP2, MP3, AAC, (1) 不支持 MBAFF
VC-1	VC1	文件格式：MKV	V			支持的图像尺寸：48x48 像素到 1920x1088 像素 最大帧速率：30fps 最大位速率：45Mbps 音频编解码器：MP2, MP3, AAC, WMA

音频解码

类型	音频编解码器	容器	解码	编码	通道	备注
MPEG 音频	MPEG1/2/5 Audio Layer1/2/3	解码：MP1、MP2、MP3	V		2	"位速率：8kbps~320Kbps, CBR 和 VBR 采样速率：8KHZ~48KHz"
Windows Media Audio	WMA 版本 4,4.1, 7, 8, 9, wmapro	解码：WMA	V		2	"位速率：8kbps~320Kbps 采样速率：8KHZ~48KHz 不支持 WMA Pro 无损和 MBR"
AAC 音频	MAIN, ADIF, ATDS Header AAC-LC 和 AAC-HE	文件格式：AAC、M4A	V		5.1	"位速率：N/A 采样速率：8KHZ~48KHz"

图像解码

类型	图像编码解码器	照片	解码	编码	通道	备注
JPEG	JFIF 文件格式 1.02	文件格式：JPG、JPEG	V			解码：分辨率 48X48 到 8176X8176 (1) 不支持逐行扫描 (2) 软件支持 SRGB JPEG (3) 软件支持 Adobe RGB JPEG
BMP	BMP	文件格式：BMP	V			支持的最大图像尺寸：4096x4096 像素
GIF	GIF	文件格式：GIF	V			分辨率无限制
PNG	PNG	文件格式：PNG	V			分辨率无限制

注意：

- 如果内容的标准位速率 / 帧速率高于上表所列的兼容的每秒帧数，声音或视频可能不工作。
- 位速率或帧速率高于上表指定速率的视频内容可能导致播放期间视频不连贯。

6. 输入模式

用户模式

标准分辨率	可用分辨率		刷新率	像素速率	纵横比
	水平像素	垂直线			
VGA	640	480	60 Hz	25.175 MHz	4:3
			67 Hz	31.5 MHz	
			75 Hz	31.5 MHz	
WVGA	720	400	70 Hz	33.75 MHz	4:3
SVGA	800	600	60 Hz	65 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 MHz	16:10
HD1080	1920	1080	60 Hz	148.5 MHz	16:9

HDMI 输入模式

标准分辨率	可用分辨率		刷新率	像素速率	纵横比
	水平像素	垂直线			
1080 P 59.94/60Hz	1920	1080	60 Hz	148.325 MHz	16:9
1080 P 50Hz	1920	1080	50 Hz	148.5 MHz	16:9
1080 P 29.97/30Hz	1920	1080	30 Hz	74.25 MHz	16:9
1080 P 25Hz	1920	1080	25 Hz	74.25 MHz	16:9
1080 P 23.97/24Hz	1920	1080	24 Hz	74.25 MHz	16:9
1080 I 59.94/60Hz	1920	1080	60 Hz	74.25 MHz	16:9
1080 I 50Hz 16:9	1920	1080	50 Hz	74.25 MHz	16:9
720 P 50Hz 16:9	1280	720	50 Hz	74.25 MHz	16:9
720 P 59.94/60Hz	1280	720	60 Hz	74.25 MHz	16:9
576 I 50Hz 4:3	720	576	50 Hz	13.5 MHz	4:3/16:9
480 I 59.94/60Hz	720	480	60 Hz	13.5 MHz	4:3
576 P 50Hz 4:3	720	576	50 Hz	27 MHz	4:3/16:9
480 P 59.94/60Hz	720	480	60 Hz	27 MHz	4:3/16:9

7. 清洁和故障排除

7.1. 清洁

使用监视器时的注意事项

- 请勿将手、脸或其他物体放在监视器通风孔附近。由于从通风孔排出的高温气体，监视器顶部通常非常热。如果您身体的任何部位太靠近此位置，可能会引起灼伤。将任何物体放在监视器顶部也可能会因高温而对物体或监视器本身造成损坏。
- 在移动监视器前，务必断开所有线缆。在线缆连接的情况下移动监视器可能会损坏线缆，并导致火灾或触电。
- 为安全起见，在进行任何类型的清洁或维护操作之前，应从墙壁插座拔掉电源插头。

前面板清洁说明

- 监视器前部已经过特殊处理。请只使用清洁布或柔软、不掉毛的布轻轻擦拭表面。
- 如果表面变脏，请将柔软、不掉毛的布在温和的清洁剂中浸湿。然后，将布拧干。用布擦拭监视器表面以去除污渍。然后，使用同类型的干布擦干。
- 请勿用手指或其他任何硬物刮擦或敲击面板表面。
- 请勿使用诸如喷雾剂、溶剂及稀释剂等挥发性物质。

机壳清洁说明

- 如果机壳变脏，请使用柔软的干布进行擦拭。
- 如果机壳非常脏，请将不掉毛的布在温和的清洁剂中浸湿。将布尽量拧干。然后擦拭机壳。再使用另一块干布擦干。
- 请勿让任何水或清洁剂接触到监视器表面。如果水或湿气进入设备内部，可能会造成操作问题和触电危险。
- 请勿用手指或其他任何硬物刮擦或敲击机壳。
- 请勿在机壳上使用诸如喷雾剂、溶剂及稀释剂等挥发性物质。
- 请勿将任何塑料或 PVC 制品长期放在靠近机壳的位置。

7.2. 故障排除

现象	可能的原因	解决方法
无画面显示	1. 电源线已断开。 2. 监视器背面的主电源开关未打开。 3. 选择的输入未连接。 4. 监视器处于待机模式。	1. 插上电源线。 2. 确保电源开关打开。 3. 将信号接入监视器。
监视器上出现干扰或可以听到噪音	由周围的电气设备或荧光灯所造成。	将监视器移到其他位置看看干扰是否可以减小。
颜色不正常	信号线未正确连接。	确保信号线牢固连接到监视器后部。
画面扭曲，有不正常的图案	1. 信号线未正确连接。 2. 输入信号超过监视器的能力。	1. 确保信号线连接牢固。 2. 检查视频信号源，看看它是不是超出了监视器范围。请对照此监视器的技术规格部分检查其规格。
显示图像未填满整个屏幕	1. 纵横比未正确设置。 2. 扫描模式可能错误地设在 Underscan (欠扫描)。 3. 如果图像超出屏幕尺寸，扫描模式可能需要设为 Underscan (欠扫描)。	使用屏幕菜单中的纵横比或自订缩放功能来微调屏幕几何形状和时钟频率参数。
可以听到声音，但没有画面	输入源信号线连接不正确。	请确保视频输入和声音输入均正确连接。
可以看到画面但听不到声音	1. 输入源信号线连接不正确。 2. 音量调到了最小。 3. {Mute} (静音) 已开启。 4. 没有连接外部扬声器。	1. 请确保视频输入和声音输入均正确连接。 2. 使用 [+] 或 [-] 按钮调节音量。 3. 使用 [Mute] 按钮关闭静音。 4. 连接外部扬声器并将音量调到合适的水平。
有些画面元素不亮	屏幕上的有些像素可能未激活。	此监视器在制造过程中采用了非常高的精密技术，但是，有些时候，监视器上的有些像素仍可能不显示。这并非故障。
监视器断电后，监视器屏幕上仍然出现图像残留。（静止画面的例子包括：徽标、视频游戏、计算机图像和以 4:3 标准模式显示的图像）	静止画面的显示时间过长	请勿让静止图像的显示时间过长，否则会在监视器上出现永久性的图像残留。

8. 技术规格

监视器:

项目	DH-LDH32-MAI200	DH-LDH43-MAI200	DH-LDH49-MAI200	DH-LDH55-MAI200
屏幕尺寸 (有效区域)	31.55 英寸 (801.31 mm) 对角线 LCD	42.51 英寸 (1079.87 mm) 对角线 LCD	48.5 英寸 (1232.0 mm) 对角线 LCD	54.64 英寸 (1387.80 mm) 对角线 LCD
纵横比	16:9	16:9	16:9	16:9
像素数	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)
点距	0.36375 (H) x 0.36375 (V) [mm]	0.4902 (H) x 0.4902 (V) [mm]	0.55926 (H) x 0.55926 (V) [mm]	0.630 (H) x 0.630 (V) [mm]
可显示颜色	8 比特 (D), 16.7 百万颜色	8 比特 (D), 16.7 百万颜色	8 比特 (D), 16.7 百万颜色	8 比特 (D), 16.7 百万颜色
亮度 (典型)	400 cd/m ² (典型)	450 cd/m ² (类型)	450 cd/m ² (类型)	450 cd/m ² (类型)
对比度 (典型)	1100:1	1100:1	1100:1	1100:1
视角	178 度	178 度	178 度	178 度

一般:

项目	DH-LDH32-MAI200	DH-LDH43-MAI200	DH-LDH49-MAI200	DH-LDH55-MAI200
内置存储器	8GB eMMC (4.5GB 可用)			
电源	AC 100 ~ 240V, 50 ~ 60Hz			
功耗 (最大)	75 W	107 W	130 W	139 W
功耗 (典型)	53 W	59 W	76 W	85 W
功耗 (待机和关机)	<0.5W (RS232 运行时)	<0.5W (RS232 运行时)	<0.5W (RS232 运行时)	<0.5W (RS232 运行时)
外形尺寸 (不含底座) [W x H x D]	724.8 x 424.3 x 56.4 mm	965.0 x 559.3 x 45.5mm	1097.6 x 633.9 x 45.5 mm	1233.4 x 710.3 x 45.5 mm
重量 (不含底座)	6.0 Kg	10.70 Kg	14.70 Kg	19.8 Kg

环境条件:

项目		规格
温度	运行	0 ~ 40° C
	Storage (存放)	-20 ~ 60° C
湿度	运行	20 ~ 80% RH (不结露)
	Storage (存放)	5 ~ 95% RH (不结露)
海拔高度	运行	0 ~ 3,000 m
	存放 / 运输	0 ~ 9,000 m

内部扬声器:

项目	规格
类型	1 路 1 扬声器
输入	8 W (RMS)
阻抗	8Ω
输出声压	80 dB/W/M
频率响应	160 Hz ~ 13 KHz