



UHD LED Monitor User Manual

DHI-LM50-F410

DHI-LM55-F410

Please read this manual before use and retain it for future reference.

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

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.



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

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1. Unpacking and installation

1.1. Unpacking

- This product is packed in a paper packing case and comes with standard accessories.
- Any other optional parts are individually packed.
- Considering the size and weight of the monitor, it is recommended to move this monitor by two persons.
- Please confirm that items are complete and intact after opening the packing case.

1.2. Items in the packing case

Please confirm that the packing case contains the following items:

- LCD monitor
- Remote control
- Instructions
- Power cord
- HDMI wire
- Logo
- Bracket x 2
- Screw x 4



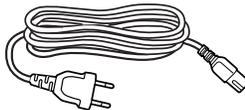
* The supplied power cord varies depending on destination.



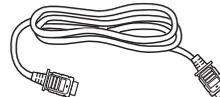
Remote Control



User Manual



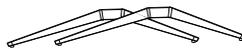
Power Cord



HDMI Cable



Logo



Bracket



x4
Screw

Notes:

- For all other regions, the power cords shall be matched with the AC voltage of the power socket, conform to the regulations of the relevant laws of the countries/territories, and pass certification. (Types H05VV-F, 2G or 3G 0.75 or 1mm2 shall be used.)
- You can keep the packing case and packaging materials for later transport of the monitor.

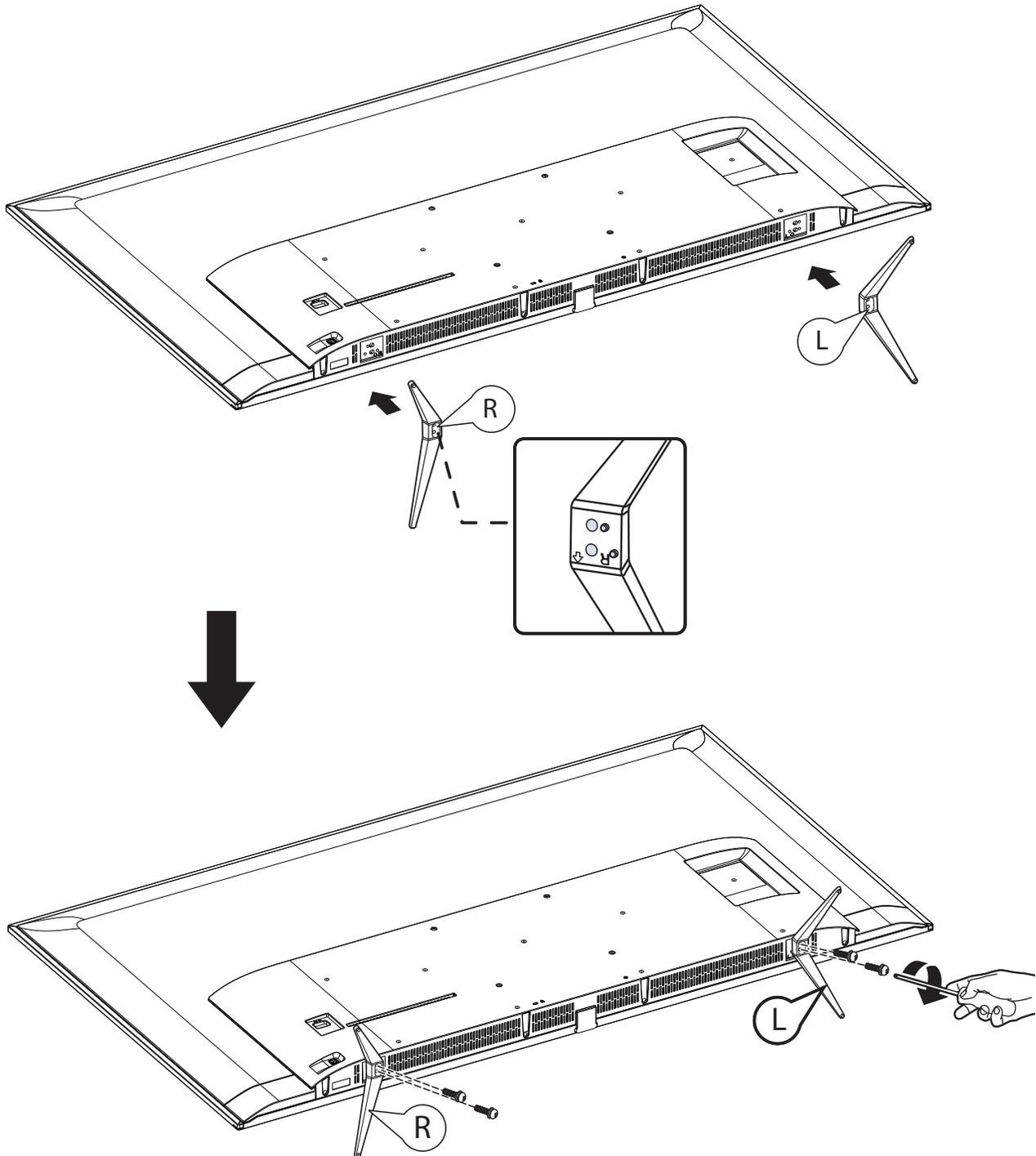
1.3. Installation precautions

- This product belongs to high-power-consumption products. Please always use the plug specially designed for this product. If you need to extend the wire, please consult your service provider.
- This product should be installed on a plane to avoid overturn. The rear part of this product should be kept away from the wall at a certain distance so as to maintain proper ventilation. This product shall not be installed in the kitchen, bathroom or any other locations with high humidity, to avoid shortening the service life of the electronic components.
- This product works only at an altitude below 3000m. If the installation site is higher than 3000m, some abnormalities may occur.

1.4. Installation for the base of the mounting desk:

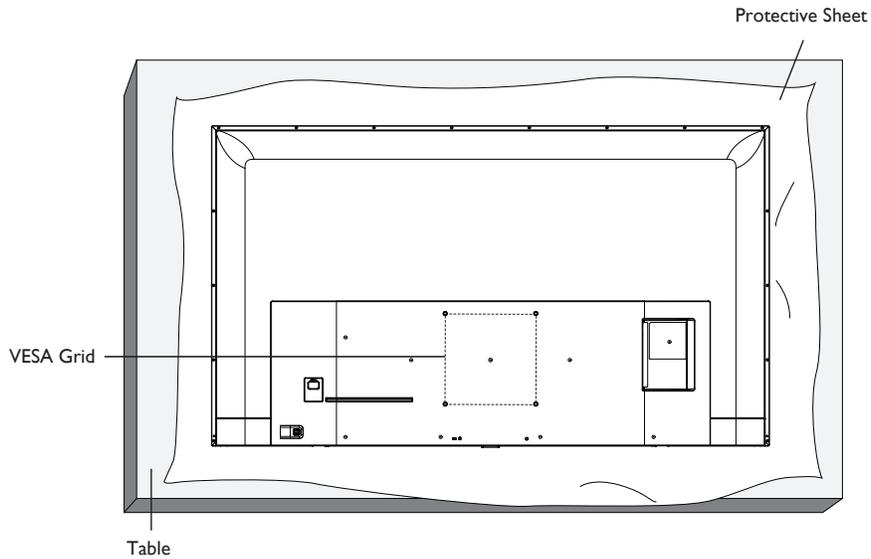
Install the base:

1. Spread the protective film (wrapped on the monitor during packing) on the desk, and place the monitor with its front face down on the protective film (keep the trademark off the desk) to avoid scratching the screen.
2. Align the base according to the figure (distinguish the left and right supports). There are R and L marks on the base. Lock screws.
3. Lift the monitor and place it.



1.5. Hang the monitor on the wall

In order to install the monitor on the wall, you must prepare a set of standard wall-hanging kit (separately purchased). You are recommended to use the mounting plate which conforms to the TUV-GS and/or UL1678 standard.



1. Spread the protective film (wrapped on the monitor during packing) on the desk, and place the monitor with its front face down on the protective film to avoid scratching the screen.
2. Make sure all accessories (hanging rack, lifting rack, desk base, etc.) for installing the monitor have been prepared.
3. Follow the use instructions of the base fitting kit during the operation. In the case of disobedience to the correct assembling steps, damage to devices or injuries to users or installation persons may be caused. Damage caused by incorrect installation is not included in the product warranty.
4. Use M6 assembling screws (with a length 10mm greater than the thickness of the assembling rack to fix the wall-hanging kit), and fasten the screws.

1.5.1. VESA grid plate

DHI-LM55-F410	200(H) x 200(V) mm
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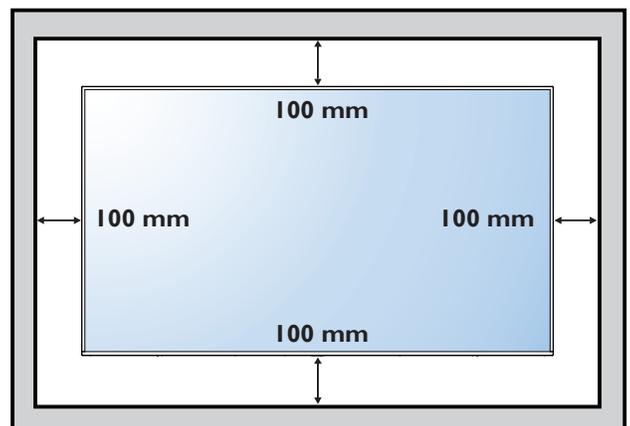
Caution:

Prevent the monitor from falling down:

- In the case of wall installation or suspended installation, it is recommended to use the metal assembling rack available on the market to install the monitor. Refer to the guide attached to the assembling rack for specific installation instructions.
- In order to lower the probability that the monitor falls down and results in personal injuries and property loss under the condition of earthquake or other natural disasters, please do consult the assembling rack manufacturer to confirm the installation position.

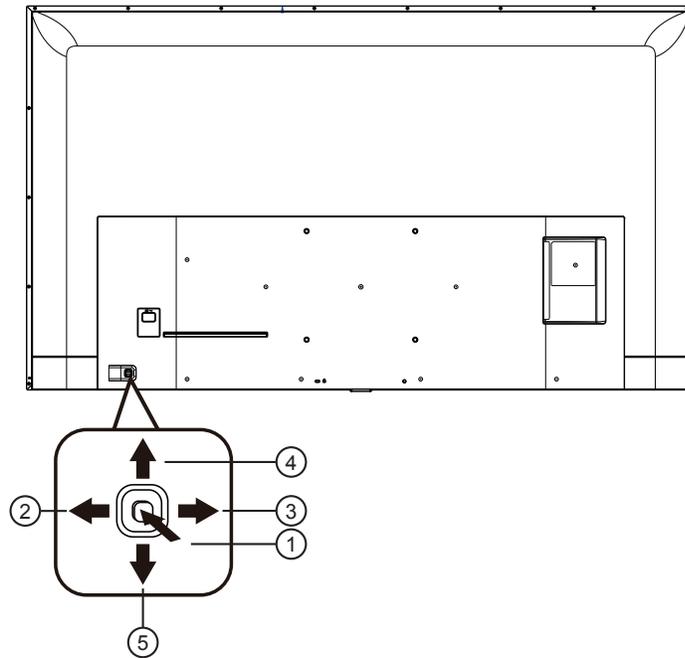
Ventilation requirements for enclosed space

In order to ensure normal heat dissipation, sufficient space from items to four sides shall be kept, as shown in the figure below.



2. Parts and functions

2.1. Control panel



In the shutdown state, press the power key.

Hold the power key for more than 5 seconds to turn off the power.

Short-pressing is equal to the OK key of the remote control in the case of menu adjustment.



Tuning, decrease the volume.

Android interface: move left.

Main menu: Return to the upper-level menu.



Tuning, increase the volume.

Android interface: move right.

Main menu: Go to the lower-level menu.



Android interface: Move up.

Main menu: Select the previous menu.

Others: not work.

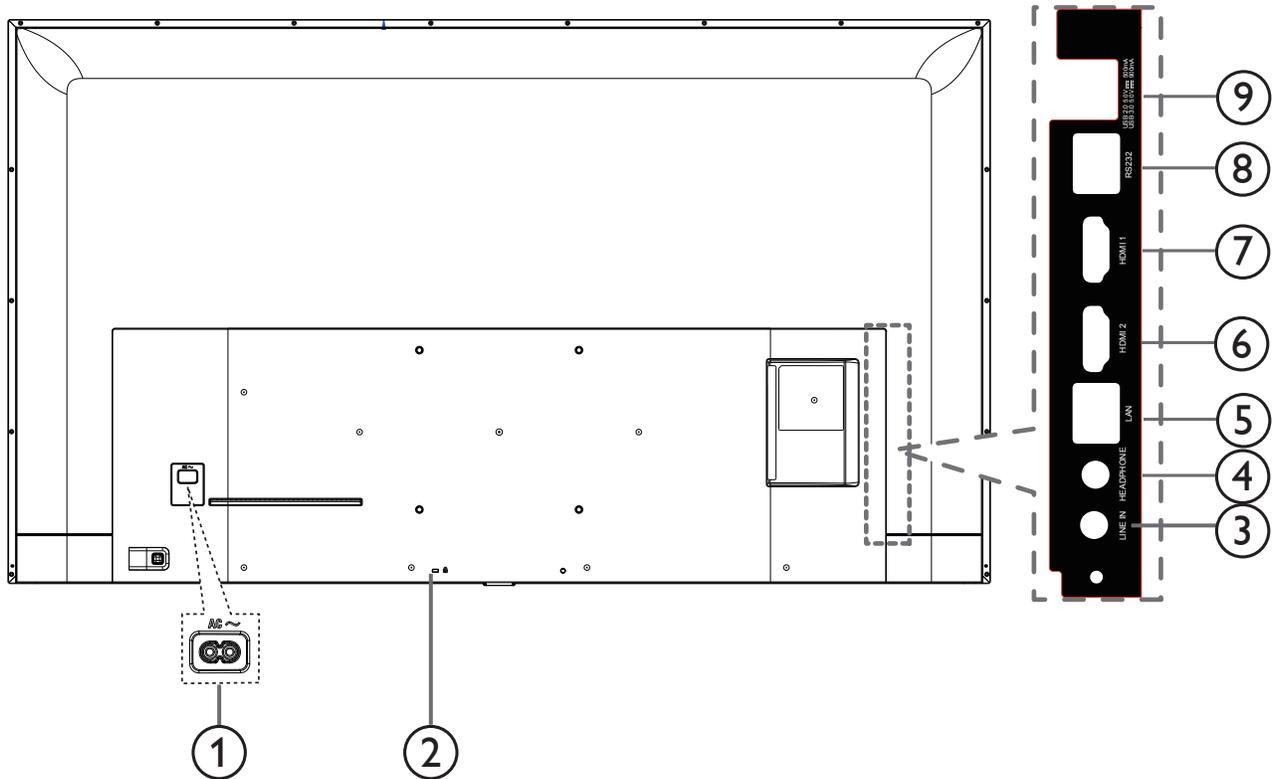


Android interface: Move down.

Main menu: Select the next menu.

Others: not work.

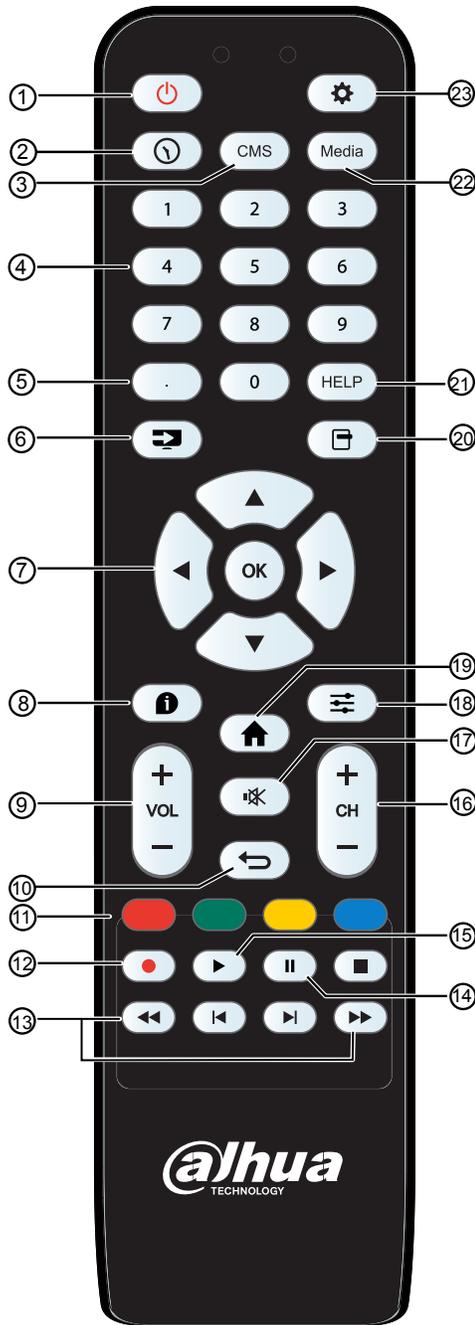
2.2. Input/output terminal



- ① **AC IN**
AC power input from the wall socket.
- ② **Safety lock**
Provide safety and anti-theft protection.
- ③ **LINE IN**
HDMI-source audio input.
- ④ **HEADPHONE**
Connect the audio output to the headphone.
- ⑤ **LAN**
LAN network interface.
- ⑥ **HDMI 2**
HDMI 2 video/audio input.
- ⑦ **HDMI 1**
HDMI 1 video/audio input.
- ⑧ **RS232**
RS232C network input.
- ⑨ **USB port**
Connect to the USB storage device.

2.3. Remote Control

2.3.1. General functions



① **[POWER] POWER button**

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

② **[Time] Time button**

Go to Time OSD.

③ **[CMS] button**

This machine is not supported.

④ **[NUMERIC] button**

Set number.

⑤ **[.] button**

Set dot.

⑥ **[Source] 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] Return Button**

The return on a menu or exit the application.

⑪ **[Red] [Green] [Yellow] [Blue] Color button**

This machine is not supported.

⑫ **[Red Dot] Recording key**

This machine is not supported.

⑬ **[◀▶] Multimedia Button**

Back and Forward.

⑭ **[||] 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 (for VGA input source only).

⑲ **[Home] 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] Settings Button**

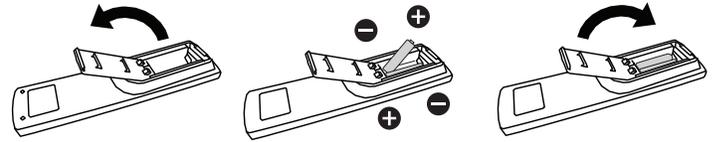
Setting.

2.3.2. Install batteries into the remote control

The remote control is electrified by two pieces of 1.5V AAA batteries.

Install or replace batteries:

1. Install and push away the battery cover.
2. Place the batteries according to the marks (+) and (-).
3. Close the battery cover.



Caution:

Incorrect use of the batteries may result in liquid leak or explosion. Please do abide by the following instructions:

- To place the “AAA” batteries in, the marks (+) and (-) of each of the batteries shall correspond to the marks (+) and (-) in the battery compartment.
- Please do not use batteries of different types at the same time.
- Please do not use old and new batteries at the same time, otherwise the service life of the batteries will be shortened or liquid leak will occur.
- Take out the batteries immediately once the batteries are exhausted so as to avoid liquid leak in the battery compartment. . Please do not touch exposed acid liquid of the batteries, or your skin will be injured.

Notes: Take out the batteries if the remote control is not used for a long time.

2.3.3. Maintenance of the remote control

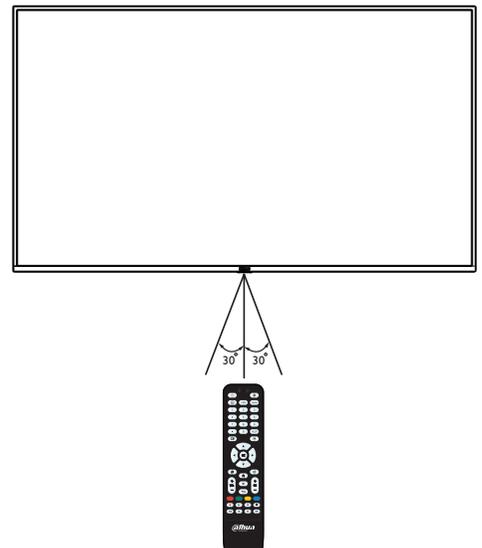
- Protect the remote control against violent collision.
- Do not splash water or other liquid on the remote control. Wipe dry the remote control immediately if there is liquid thereon.
- Keep it away from heat and damp.
- Do not open the remote control except installing the batteries.

2.3.4. Working scope of the remote control

To press buttons on the remote control, please point the front of the remote control at the remote sensor on the monitor.

When the remote control is in use, the distance to the sensor on the monitor shall be smaller than 5m/16 inch, and the horizontal and vertical angles shall be smaller than 30 degrees.

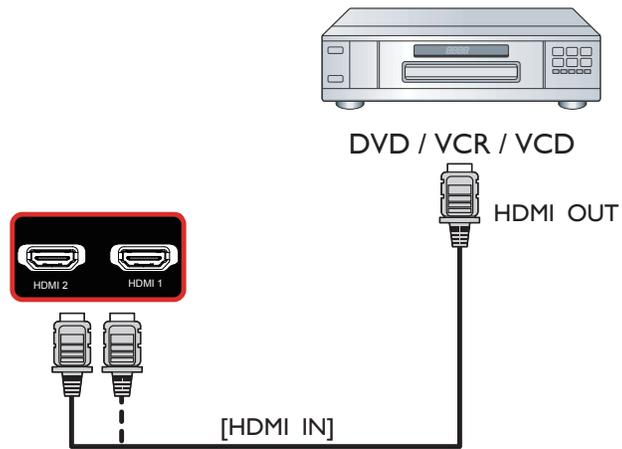
Notes: The remote control may fail to work normally when sunlight or other strong light radiates on the remote sensor of the monitor or there is an obstacle between the remote and the remote sensor.



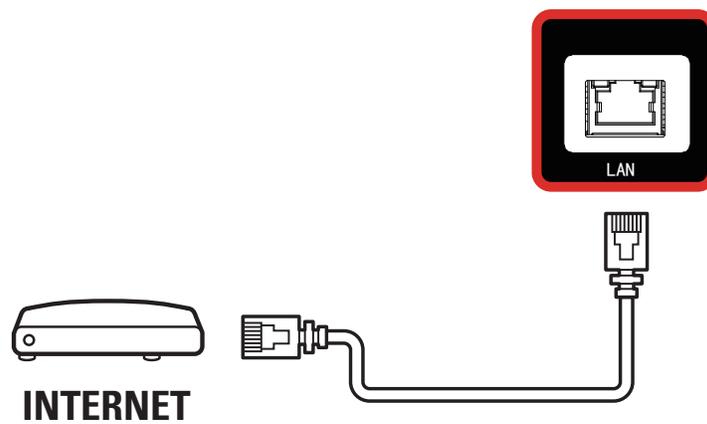
3. Connect external devices

3.1. Connect external devices (DVD/VCR/VCD)

3.1.1. Use HDMI video input

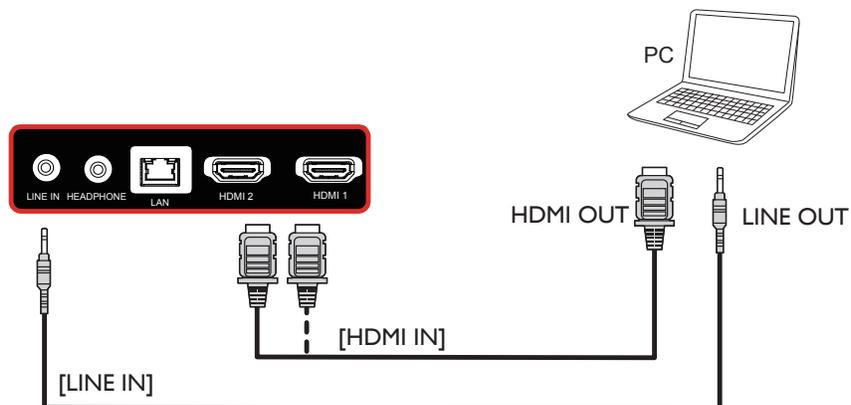


3.1.2. Use network interface



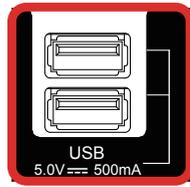
3.2. Connect PC

3.2.1. Use HDMI input



3.3. Connect USB

3.3.1. Use USB device



4. Operation

4.1. Media Player introduction:

1. The front page of the media player, this page contains three items: "Play", "Compose" and "Settings".

Play: choose to play the playlist.

Compose: edit playlists.

Settings: set the playback content.



2. Select the "Play" on the home page, and you should first select a playlist to play between FILE 1 and FILE 7. The pencil icon represents the play list is not empty.



3. Select the "Compose" on the home page, and you should first select a playlist to edit between FILE 1 and FILE 7. The pencil icon represents the play list is not empty.



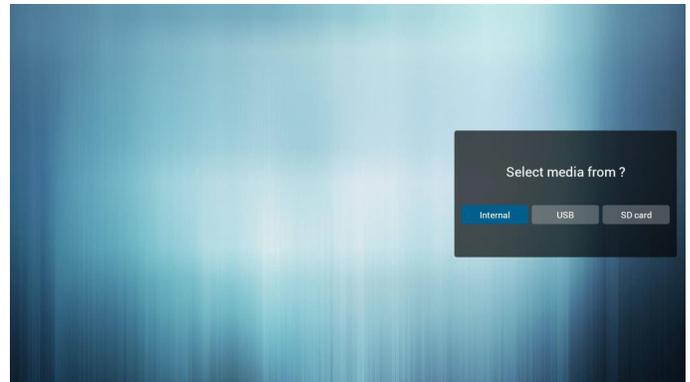
4. If you select the empty playlist, the application will guide you to choose media sources.

All media files should be located in the root directory. For example:

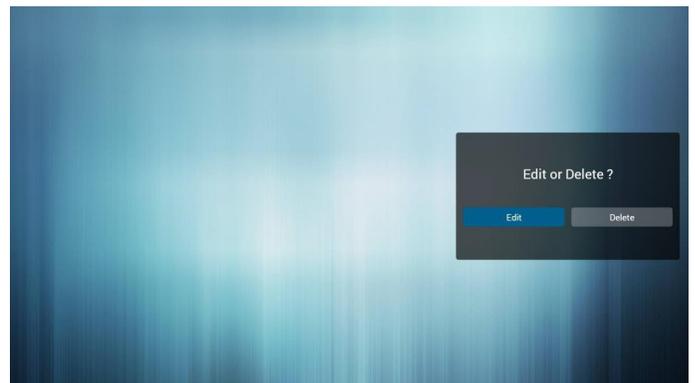
- Video at /root/movies/

- Photos /root/pictures/

- Music /root/music/



5. You can edit or delete non empty playlists, just select the required playlist with pencil icons.



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



7. After you start editing the playlist, you will see the following screen.

Source - storage device files.

Playlist - playlist file.

There are 4 corresponding to the remote control button icon.

Option key - start rolling

Play key - play media files.

Info key - media information display.

Ok key - select / deselect files.

7-1 in a scroll bar can help you to perform the following items:

- Select all: Select all the storage file.

- Delete all: Delete all the playlist file.

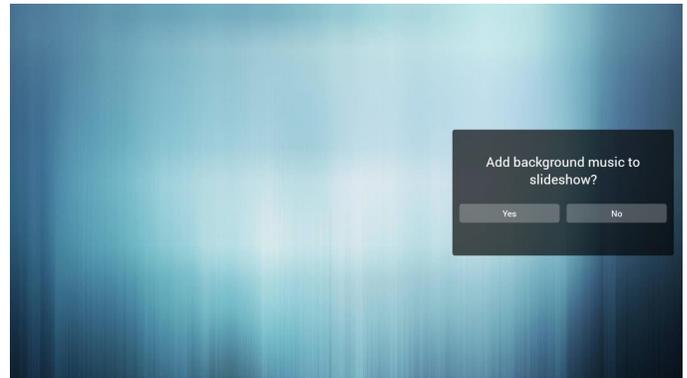
- Add/Remove: Update from the playlist.
- Sort: Sort playlists.
- Save/Abort: Storage or suspend the playlist.
- Back: return.



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.



8. If you are in a scroll bar select "Sort", you can change the order of files one by one.



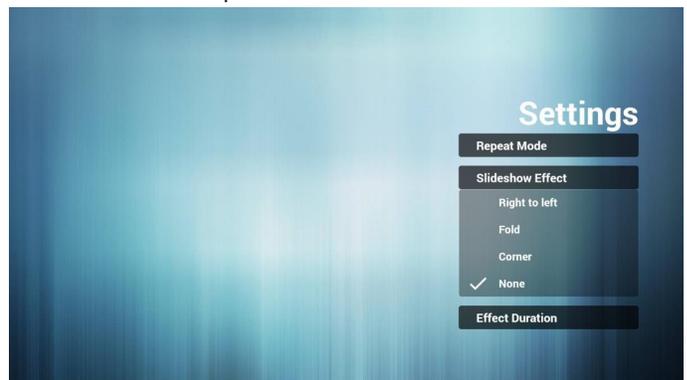
12. On the first page of "Settings", this page contains three parts:
 "Repeat Mode", "Slideshow Effect" and "Effect Duration".
 Repeat Mode: playback mode.
 Slideshow Effect: photo slide effect.
 Effect Duration: photo duration effect.



9. In choosing the desired file information and press button, you can get detailed information.



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



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.

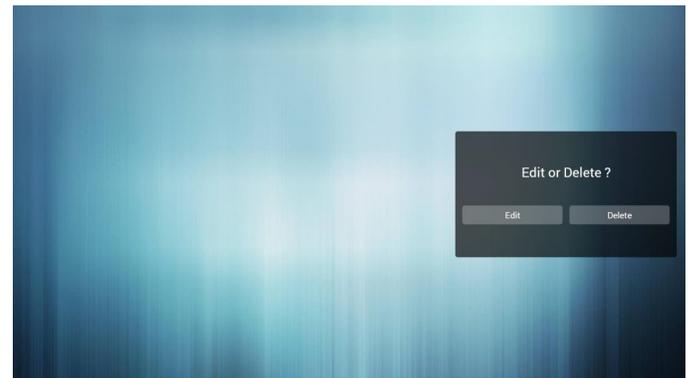
All media files should be placed in root directory.

For example,

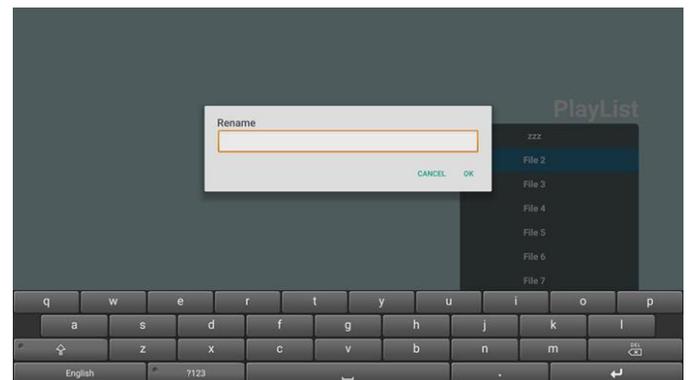
- pdfs in /root/pdf/



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.



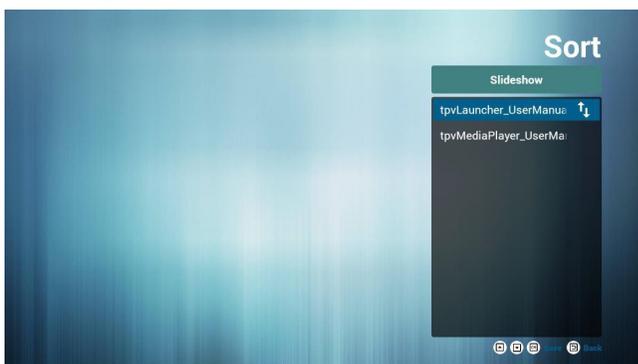
- Once you start to edit a playlist, you will see below screen.
 Source - files in storage.
 Playlist – files in playlist.
 There are 4 icons which map to the keys of remote controller. Option key – launch slide bar
 Play key – play media file.
 Info key – show media info.
 Ok key – select/unselect file.

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

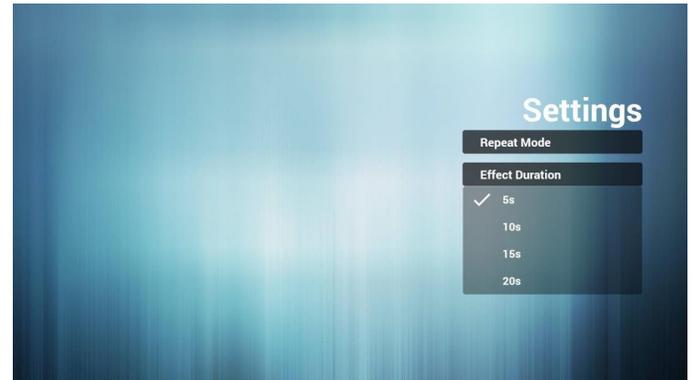
- select all : select all storage files.
- delete all : delete all playlist files.
- add/remove : update playlist from source.
- sort : sort playlist.
- save/abort : save or abort playlist.
- back : return.



- 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.



4.3. App customization

The user can set the client-source application programs.

Notes:

1. Display the app installed by users only.
2. Do not display the app pre-installed by the system.

4.3.1. Operation on the OSD menu:

Column 1	Column 2	Column 1, 3	Column 2, 3 or Column 2, 2	Remarks		
Picture	Picture Mode	Mode	Standard	Depend on HDMI		
			Vivid			
			Soft			
			User			
	Picture Mode	Brightness	"[0 ... 100] Step 1 Default: Depend on (picture mode)"		Default: Depend on (picture mode = user)	
			Contrast	"[0 ... 100] Step 1 Default: Depend on (picture mode)"		Default: Depend on (picture mode = user)
				Backlight	"[0 ... 100] Step 1 Default: Depend on (picture mode)"	
	Advanced	Color temp	Standard(9300K)			
			Cool(12000K)			
			Warm(6500K)			
Advanced	Over scan	"On/Off Default: Off"		Depend on PC mode = Video		
	PC Mode	"PC / Video Default: PC"		You can use this function to change the PC timing or video timing.		
Screen Orientation	Screen Orientation	0,90,180,270				
Sound	Audio Source	Standard		Audio cannot be set through restoring settings. You can reset audio by Restore Default.		
		News				
		Music				
		Movie				
	Sound Device	HDMI		Available only in the HDMI Source		
		Line in				
Advanced	Balance	"[-50 ... +50] (0 :default)"				
	Volume	"[0 ... 100] (25 :default)"				
Lock	Key Lock	Off		Default password: 0000 Switch Key Lock On: Step 1: Lock the remote control, button and mouse operation functions after 30s if there is no operation. Step 2: After the functions are locked, press the "Set" button on the remote control, and then enter the correct password in the password dialog box to unlock the functions. Step 3: Repeat step 1 after operation.		
		[type password]				
	Change Password	Current Password				
		New Password				
		Confirm Password				
		Cancel/OK				

Time	Time Setup	Time Setting	Date Picker	Set Year/Month/Date Time:Minute
		Shutdown Time	Repeat	OFF/Once/Everyday/Workday
			Time	Set time
		Power Time	Repeat	OFF/Once/Everyday/Workday
			Time	Set time
			Source	HDMI1/HDMI2/PDF/MEDIA/ CUSTOMER
			"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/5 s /10 s /30 s /60 s			
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		Execute Restore Setting, and the default is not restored.
		Chinese		Execute Restore Default, and the default is restored.
	HDMI Version	HDMI1.4		
		HDMI2.0 (default)		
	Power On Mode	Power On		
		Standby		
		Last Status		
	Boot On Source	Switch	"On/Off Default: Off"	In the off state, the next item "Source item" is grayed, and the power-on source is (for SI series, HDMI1, operator: Android), the power-on source of OTS/ Sinocloud Center is last source, displayed as last source; in the on state, the power-on source is the signal source designated by the "Source item" .
		Source	HDMI1/HDMI2/PDF/MEDIA/ CUSTOMER/Last Status Default: Previous state	1. When SCHEDULE is set with startup time, but the startup time has not arrived yet, boot the device according to the signal source set in the "Boot On Source". 2. If the source is set in USB, the booting page is the "U disc homepage".
	Boot Wake	UART Wake	"On/Off Default: Off"	When UART wake = On, , RC off or power saving can both be waken up by UART wake.
		HDMI Wake	"On/Off Default: Off"	When HDMI Wake = On, and the current source is HDMI1/2, power saving and the current HDMI source are waken up with signals.
	RS322 Control	On/Off	Default: Off"	
	Pixel Shift	On/Off	Default: Off	
	Restore	Restore Setting	Cancel/OK	Restore Settings and OSD settings, except for the Time option, Language and volume options.
Restore Default		Cancel/OK	System resetting	

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

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

5. Compatibility of the USB device

Format of the USB multi-media coder-decoder

Video decoding						
Type	Video coder-decoder	Container	Decoding	Coding	Channel	Remarks
MPEG1/2	MPEG1/2	File format: VOB	V			Supported size in a range from 48x48 pixels to 1920x1088 pixels Max. frame rate:30fps Max. bit rate: : 80Mbps Audio coder-decoder: MP2, MP3
MPEG-4	MPEG4	File format: MKV, MP4, 3GP	V			Supported picture size in a range From 48x48 pixels 1920x1088 pixels Max. frame rate:30fps Max. bit rate: 38.4Mbps Audio coder-decoder: MP2, MP3, AAC, (1) MS MPEG4 v1/v2/v3 is not supported. (2) GMC (global movement compensation) is not supported.
H.263	H.263	File format: 3GP, MP4	V			Supported picture size: SQCIF(128x96), QCIF(176x144), CIF(352x288),4CIF(704x576) Max. frame rate: 30fps Max. bit rate: 38.4Mbps Audio coder-decoder: MP3 (1) Not support H.263+
H.264	H.264	File format: MKV, MP4, 3GP,	V			Supported picture size: from 48x48 pixels to 1920x1088 pixels Max. frame rate:30fps Max. bit rate: 57.2Mbps Audio coder-decoder: MP2, MP3, AAC, (1) Not support MBAFF
VC-1	VC1	File format: MKV	V			Supported picture size: frame 48x48 pixels to 1920x1088 pixels Max. frame rate:30fps Max. bit rate: 45Mbps Audio coder-decoder: MP2, MP3, AAC, WMA

Audio decoding

Type	Audio coder-decoder	Container	Decoding	Coding	Channel	Remarks
MPEG audio	MPEG1/2/2.5 Audio Layer1/2/3	Decode: MP1, MP2, MP3	V		2	"Bit rate": 8kbps~320Kbps, CBR and VBR Sampling rate: 8KHZ~48KHZ"
Windows Media Audio	WMA version 4,4.1, 7, 8, 9, wmapro	Decode: WMA	V		2	"Bit rate": 8kbps~320Kbps Sampling rate: 8KHZ~48KHz Do not support WMA Pro non-destructive and MBR"
AAC audio	MAIN, ADIF, ATDS Header AAC-LC and AAC-HE	File format: AAC、M4A	V		5.1	"Bit rate": N/A Sampling rate: 8KHZ~48KHZ"

Picture decoding

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

Notes:

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

6. Input mode

HDMI computer mode

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

Recommended resolution ratio: 3840*2160@30Hz

HDMI video mode

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

7.leaning 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 insert sprays, solvents and thinners.

Cabinet Cleaning Instructions

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

7.2. Troubleshooting

Symptom	Possible cause	Solution
No display	<ol style="list-style-type: none"> 1. The power cord has been disconnected. 2. The main power switch on the back of the monitor is not turned on. 3. The selected input is not connected. 4. The monitor is in the standby mode. 	<ol style="list-style-type: none"> 1. Plug the power cord. 2. Make sure the power switch is turned on. 3. Link signals to the monitor.
The monitor cannot display the booting process of the PC.	<ol style="list-style-type: none"> 1. The input signals exceed the mode supported by the monitor. 2. The HDMI wakeup function of the monitor is not enabled. 	<ol style="list-style-type: none"> 1. Make sure the input signals are within the range of the mode supported by the monitor. 2. Enable the HDMI wakeup function of the monitor, Advanced→Boot Wake→HDMI Wake→On.
The monitor receives interference or noise can be heard..	This is caused by the surrounding electrical devices or fluorescent light.	Move the monitor to other positions to check if the interference is reduced.
Abnormal color	The signal wire is not correctly connected.	Make sure the signal wire is firmly connected to the rear of the monitor.
The display is twisted, and there are abnormal patterns.	<ol style="list-style-type: none"> 1. The signal wire is not correctly connected. 2. The input signal is beyond the capability of the monitor. 	<ol style="list-style-type: none"> 1. Make sure the signal wire is firmly connected. 2. Check if the video signal source is beyond the range of the monitor. Please check the specification of the monitor against its specifications.
The displayed picture does not cover the whole screen.	<ol style="list-style-type: none"> 1. The aspect ratio is incorrect. 2. The scanning mode may be incorrectly set in Underscan. 3. If the picture size exceeds the screen size, the scanning mode may need to be set to be Underscan. 	Use the aspect ratio in the screen menu or the self-set zooming function to tune the geometric shape of the screen and the clock frequency parameter.
There is sound, but no picture.	The input source signal wire is incorrectly connected.	Make sure video input and voice input are both correctly connected.
There is picture, but no sound.	<ol style="list-style-type: none"> 1. The input source signal wire is incorrectly connected. 2. The volume is minimized. 3. {Mute} has been enabled. 4. The external loudspeaker is not connected. 	<ol style="list-style-type: none"> 1. Make sure video input and voice input are both correctly connected. 2. Use [+] or [-] button to adjust the volume. 3. Use [Mute] button to disable Mute. 4. Connect the external loudspeaker and adjust the volume to a proper level.
Some picture elements are dim.	Some pixels on the screen may be not activated.	This monitor is made by very high precision technology. However, sometimes, some pixels on the monitor may still be not displayed. This is not a failure.
There is picture retention on the monitor display after the monitor is powered off. (Examples of motionless pictures include: icon, video game, computer image, and pictures displayed in 4:3 standard mode.)	Too long display of the motionless picture	Never display the motionless picture for a long time, or the monitor will have permanent picture retention.

8. Technical specification

MonitorDHI-LM50-F410

Item	Specification
Screen size (effective area)	50 inch (127 cm) diagonal line LCD
Aspect ratio	16:9
Pixel number	3840 (H) x 2160 (V)
Dot Spacing	0.2853 (H) x 0.2854 (V) [mm]
Displayable color	10bits 1.07G Color
Brightness (classic)	350 cd/m ² (classic)
Contrast (classic)	5000:1
Visual angle	178 DEG

Input/output terminal:

Item	Specification
Loudspeaker output	Internal loudspeaker 8 W (L) + 8 W (R) [RMS]/6 Ω 78 dB/W/M/20 Hz ~ 20 KHz
Audio output	3.5Mm Headphone jack x 1 0.5V [rms](normal mode) / 2 sound track (L+R)
Audio input	3.5Mm Headphone jack x 1 0.5V [rms](normal mode) / 2 sound track (L+R)
HDMI input	HDMI interface x 2 (A type) (19 pins) Digit RGB: TMDS (video + audio setting) Max.: Audio - 720p、1080p、3840 x 2160/60 Hz Audio - 48 KHz/ 2 sound track (L+R) Support LPCM only
USB input	USB2.0 A type x1 USB3.0 A type x1 USB2.0 USB3.0

General:

Item	Specification
Power input	100-240V~, 50-60Hz
Power consumption (max.)	170 W
Power consumption (classic)	110 W
Power consumption (standby and power-off)	<0.5 W
Dimension (without base) [W x H x D]	1118.2 x 642.9 x 62.5 mm
Net weight	12.3 Kg
Gross weight	16.3 Kg

Environmental conditions:

Item	Specification	
Temperature	Running	0 ~ 45°C
	Storage	-20 ~ 60°C
Temperature	Running	20 ~ 80% RH (no dew)
	Storage	5 ~ 95% RH (no dew)
Altitude	Running	0 ~ 3,000 m
	Storage/transport	0 ~ 9,000 m

9. Technical specification

MonitorDHI-LM55-F410

Item	Specification
Screen size (effective area)	54.6 inch (138.7 cm) diagonal line LCD
Aspect ratio	16:9
Pixel number	3840 (H) x 2160 (V)
Dot Spacing	0.315 (H) x 0.315 (V) [mm]
Displayable color	8bits+FRC 1.07G Color
Brightness (classic)	350 cd/m ² (classic)
Contrast (classic)	1200:1
Visual angle	178 DEG

Input/output terminal:

Item	Specification
Loudspeaker output	Internal loudspeaker 8 W (L) + 8 W (R) [RMS]/6 Ω 78 dB/W/M/20 Hz ~ 20 KHz
Audio output	3.5Mm Headphone jack x 1 0.5V [rms](normal mode) / 2 sound track (L+R)
Audio input	3.5Mm Headphone jack x 1 0.5V [rms](normal mode) / 2 sound track (L+R)
HDMI input	HDMI interface x 2 (A type) (19 pins) Digit RGB: TMDS (video + audio setting) Max.: Audio - 720p、1080p、3840 x 2160/60 Hz Audio - 48 KHz/ 2 sound track (L+R) Support LPCM only
USB input	USB2.0 A type x1 USB3.0 A type x1 USB2.0 USB3.0

General:

Item	Specification
Power input	100-240V~, 50-60Hz
Power consumption (max.)	170 W
Power consumption (classic)	110 W
Power consumption (standby and power-off)	<0.5 W
Dimension (without base) [W x H x D]	1231.6 x 707.7 x 62.5 mm
Net weight	14.2 Kg
Gross weight	18.8 Kg

Environmental conditions:

Item	Specification	
Temperature	Running	0 ~ 45°C
	Storage	-20 ~ 60°C
Temperature	Running	20 ~ 80% RH (no dew)
	Storage	5 ~ 95% RH (no dew)
Altitude	Running	0 ~ 3,000 m
	Storage/transport	0 ~ 9,000 m

