

Hisense

USER MANUAL

Read the manual carefully and ensure you have fully understood its contents before operating this device for the first time.

English

Declaration

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[Statement]

- The pictures and instructions in this user manual are for reference only, and may be different from the actual product. Please subject to the actual product. (This statement is throughout this User Manual)
- Quality upgrades, product design and specifications are subject to change without notice.
- The software content service applicable to this product depends on the third party provider, and some software may not be used due to network, region, service cycle and other problems, which has nothing to do with the product quality. Please contact the third party provider for relevant details.



This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.




This symbol alerts you that important literature concerning operation and maintenance has been included with this product.




CAUTION
RISK OF SHOCK
ELECTRIC



CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

 AC voltage: This symbol indicates that the rated voltage marked with the symbol is AC voltage.

 DC voltage: This symbol indicates that the rated voltage marked with the symbol is DC voltage.



Class I product: This symbol indicates that it requires a safety connection of protective earthing (ground).

Disposal of Used Electrical & Electronic Equipment



Packaging and electrical goods should be recycled appropriately, and not treated as household waste. Please dispose of this equipment at your applicable collection point for the recycling of electrical & electronic equipment waste. By ensuring the correct disposal of this product, you will help prevent potentially hazardous to the environment and to human health, which could otherwise be caused by unsuitable waste handling of this product. The recycling of materials will help conserve natural resources. Please do not therefore dispose of your old electrical and electronic equipment with your household waste. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Safeguards

Please read the following safeguards for your device and retain for future reference. Always follow all warnings and instructions marked on the device.

1. A note about safety and operating instructions

Read and follow all safety and operating instructions, and retain them safely for future reference.

2. Heed Warnings

Adhere to all warnings on the appliance and in the operating instructions.

3. Cleaning

Unplug the device from the wall outlet before cleaning. Do not use liquid, abrasive, or aerosol cleaners. Cleaners can permanently damage the cabinet and screen. Use a lightly dampened cloth for cleaning.

4. Water and Moisture

Avoid dripping or splashing of liquids onto the product. Objects filled with liquids, such as vases, should not be placed on the product.

5. Ventilation

Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the device and to protect it from overheating. Do not cover the ventilation openings in the cabinet and never place the set in a confined space such as built-in cabinet unless proper ventilation is provided. Leave a minimum 10cm gap all around the unit.

6. Power Source

This device should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your appliance dealer or local power company.

7. Power-Cord Protection

Power- supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plug, wall outlets, and the point where they exit from the device. MAIN plug is used as the disconnect device, the disconnect device shall remain readily operable.

8. Lightning

For added protection for this device during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the device due to lightning or power-line surge.

9. Overloading

Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

10. Object and Liquid Entry

Never push objects of any kind into this device through openings as they may touch dangerous voltage points or short-out parts that could result in fire or electric shock. Never spill liquid of any kind on or into the device.

11. Servicing

Do not attempt to service this device yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

12. Damage Requiring Service

Unplug the device from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- (a) When the power - supply cord or plug is damaged.
- (b) If liquid has been spilled. or objects have fallen into the device.
- (c) If the device has been exposed to rain or water
- (d) If the device does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the device to its normal operation.
- (e) If the device has been dropped or the cabinet has been damaged.
- (f) When the device exhibits a distinct change in performance- this indicates a need for service.

13. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

14. Safety Check

Upon completion of any service or repair to the device, ask the service technician to perform safety checks to determine that the device is in safe operating condition.

15. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

16. Fire


The product should be situated away from naked flame sources such as lighted candle.


17. Off-gassing


The device smells of plastic is normal and will dissipate over time.


18. Stability Hazard.

The device may fall, causing serious personal injury or death. To prevent injury, this device must be securely attached to the floor/wall in accordance with the installation instructions.

 Incorrect replacement of the battery may lead to the risk, including the replacement of another similar or the same type. Do not expose batteries to heat such as sun or fire or something like that.

 The device should not be exposed to dripping and spraying and it cannot be placed under objects filled with liquids.

 Main plug is used as the disconnect device, the disconnect device shall remain ready for operating.

 Apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

Warning:

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

Recycling/Licenses

WEEE (Waste Electronic Electric Equipment)
European Directive 2012/19/EU



This symbol on the product or on its packaging indicates that this product must not be disposed of with your household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Batteries



In accordance with the Battery Directive, used batteries should not be disposed of in the domestic waste. Dispose your batteries in the collection containers specific for this purpose in retail stores.

ROHS (Restriction of Hazardous Substance)
European Directive 2011/65/EU



This European directive limits the use of dangerous and hazardous substances which are difficult to recycle.

This allows recycling easily the EEE and contributes to the safeguard of the environment.

Substances included in this product match to the RoHS directive.



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.

EU Declaration of conformity (DoC)

Unique identification of this DoC: hisense-02

We, Declare under our sole responsibility that the product:

Product Name: Digital Signage

Trade Name: Hisense

Model: 55B4E31T/65B4E31T

To which this declaration relates is in conformity with the essential requirements and other relevant requirements of the radio equipment directive (2014/53/EU), ErP Directive 642/2009(Lot 5),1062/2010, 801/2013, RoHS directive (2011/65/EU). The product is in conformity with the following standards and /or other normative documents:

Health & Safety (Art. 3(1)(a)):	EN62311:2008 EN62368-1:2014+A11:2017
EMC (Art. 3(1)(b)):	EN55032:2015 EN55035:2017 EN61000-3-2:2014 EN61000-3-3:2013 EN 301489-1 V2.1.1 EN 301489-17 V3.1.1
Spectrum (Art. 3(2)):	EN300328 V2.2.2
ErP	Transitional Test Method for Ecodesign and Energy Labelling requirements for electronic displays
RoHS	EN 50581:2012
Software*:	55B4E31T_FB00.02/65B4E31T_FB00.02

*The company reserves the right to install updated Software versions to improve the performance of the appliance.

Place and date of issue (of this DoC): QingDao 2020/7/21

Signed by or for the manufacturer: Hisense Commercial Display Co., Ltd.

Address: No. 218 Qianwangang Road, Economy & Technology Development Zone, Qingdao, China

Title: Product manager

Name (in print): Yangli

Yangli

This manual is for reference only, please refer to the actual machine.

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1. Unpacking and Installation

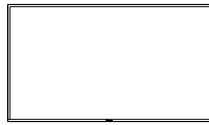
1.1. Unpacking

- This product is packed in a carton, together with the standard accessories.
- Any other optional accessories will be packed separately.
- Move the display by at least two (2) adults.
- 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
- Batteries
- User Manual
- Logo
- EEI Label
- Power Cord
- HDMI Cable
- LAN Cable
- USB Convert to RS232 Cable(Options)
- RJ45 / RS232 Convert



* The supplied power cord varies depending on destination.



Remote Control



Batteries



User Manual



Hisense Logo



EEI LABEL



Power Cord



HDMI Cable



LAN Cable



USB Convert to RS232 Cable



RJ45 / RS232 Convert

* Items may differ in different locations

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

NOTES:

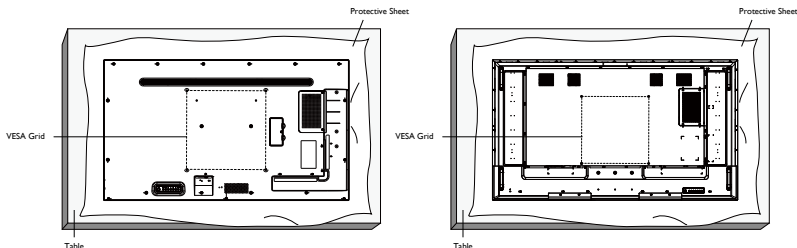
- For all other regions, apply a power cord that conforms to the AC voltage of the power socket and has been approved by and complies with the safety regulations of the particular country.
- Keep the packaging materials appropriately after unpacking the product.

1.3. Installation Notes

- Only use the power cable provided with this product. If an extension cord is required, please consult your service agent.
- The product should be installed on a flat surface, or the product may tip over. Leave a space between the rear of the product and the wall for proper ventilation. Do not install the product in a kitchen, bathroom or a place exposed to moisture, failure to do so may shorten the life of the internal parts.
- Do not install the product where it is 5000m or higher in altitude. Failure to do so may result in malfunctions.

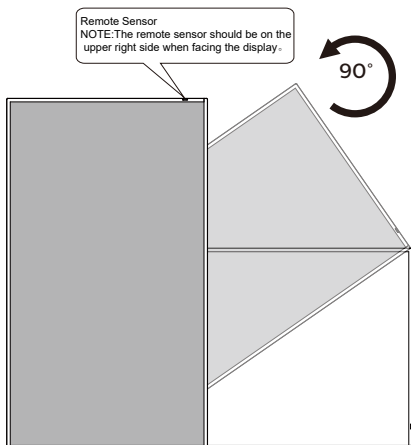
1.4. Mounting on a Wall

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



Please rotate 90 degrees counterclockwise if need portrait use and set screen orientation as 90°(press MENU,select Common Setting and then select Desktop to set screen orientation),and you can stick the spare logo to the front bottom.

(Please use the vertical hanging function under the guidance of professionals.)



1.4.1. VESA Grid

55B4E31T/65B4E31T	400(H) x 400(V) mm
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NOTE:

The appearance and color of the product are subject to the material object. The picture is for reference only.

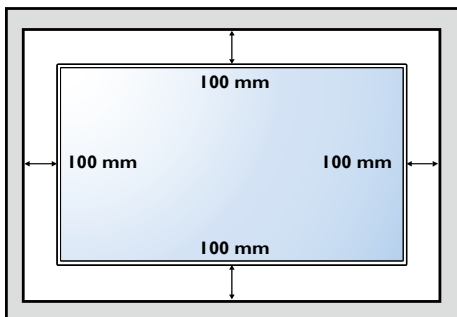
1. Lay a protective sheet on a table, which was wrapped around the display when it was packaged, beneath the screen surface so as not to scratch the screen face.
2. Ensure you have all accessories for mounting this display (wall mount, ceiling mount, table stand, etc).
3. Follow the instructions that 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, 55B4E31T use M6 mounting screws (having a length 10-20 mm longer than the thickness of the mounting bracket) and tighten them securely. For the wall-mounting kit, 65B4E31T use M8 mounting screws (having a length 10-20 mm longer than the thickness of the mounting bracket) and tighten them securely.

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 disasters, be sure to consult the bracket manufacturer for installation location.

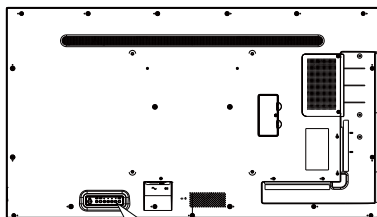
Ventilation Requirements for enclosure locating

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

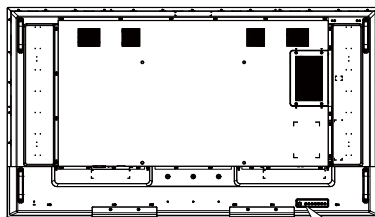


2. Parts and Functions

2.1. Control Panel



55B4E31T



65B4E31T

NOTE:

The appearance and color of the product are subject to the material object. The picture is for reference only.

① [ON] button

Turn the display on or put the display to standby.

② [MUTE] button

Mute or reactivate the audio.

③ [INPUT] button

- Select an input source when OSD menu is off.

④ [+] button

- Increase the volume of the audio when OSD menu is off.
- Move to the right item or Increase the adjustment while OSD menu is on.

⑤ [-] button

- Decrease the volume of the audio when OSD menu is off.
- Move to the left item or decrease the adjustment while OSD menu is on.

⑥ [▲] button

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

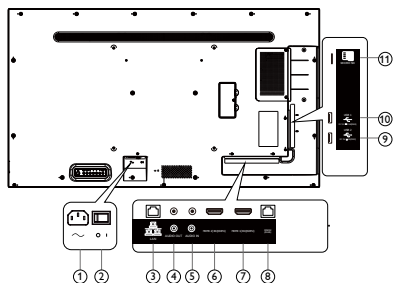
⑦ [▼] button

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

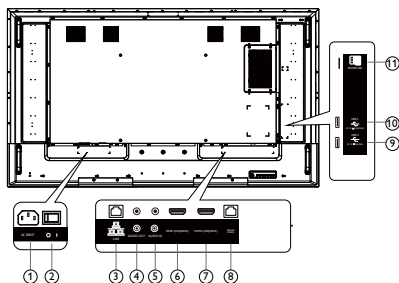
⑧ [MENU] button

Enter next submenu when OSD menu is on, or to activate the OSD menu when OSD menu is off.

2.2. Input/Output Terminals



55B4E31T



65B4E31T

NOTE:

The appearance and color of the product are subject to the material object. The picture is for reference only.

① AC IN

AC power input from the wall outlet.

② MAIN POWER SWITCH

Switch the main power on/off.

③ LAN

Internet function.

④ AUDIO OUT

Audio output for external AV device.

⑤ AUDIO IN

Audio input for HDMI
(external audio).

⑥ HDMI2 IN / ⑦ HDMI1 IN

Connect to a source device via an HDMI cable.

⑧ RS232

Receive command signals from the external RS232 device.

⑨ USB2 PORT

Connect to a USB3.0 storage device.

⑩ USB1 PORT

Connect to a USB2.0 storage device.

⑪ MICRO SD

Connect your MICRO SD card.

2.3. Remote Control

2.3.1. General functions



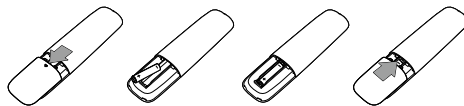
- ① **[POWER] button**
Turn OFF the display until power is off.
- ② **[Source] Button**
Choose input source.
- ③ **[CMS] button**
Go to CMS app.
- ④ **[USB] button**
Go to USB source.
- ⑤ **[HDMI/PC] button**
Go to HDMI1 source.
- ⑥ **[Time] button**
Go to Time Setup OSD.
- ⑦ **[PLAY] button**
Control playback of media files.
- ⑧ **[MENU] SETTINGS button**
Access the OSD menu.
- ⑨ **[INFO] button**
Show Information OSD.
- ⑩ **[MUTE] button**
Mute or restore volume.
- ⑪ **[BACK] button**
Return to the previous page or exit from the previous function.
- ⑫ **[VOLUME+] button**
Turn up the volume.
- ⑬ **[HOME] button**
Go to Android Launcher first widgets.
- ⑭ **[NAVIGATION] buttons**
Up, down, left and right operation key.
- ⑮ **[OK] button**
Confirm an entry or selection.
- ⑯ **[VOLUME-] button**
Turn Down the volume.
- ⑰ **[Option] button**
Access currently available options, for Media Input/PDF Player/CMS Console.
- ⑱ **[Number] buttons**
Input figures or text.
- ⑲ **[Multi-View] button**
Open multiple windows (background).
- ⑳ **[Help] button**
Reserved.

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 the batteries:

1. Press and then slide the cover to open it.
2. Insert the batteries with the correct polarity (+) and (-).
3. Replace the cover.



CAUTIONS:

Incorrect use of batteries may cause leakage or explosion. Be sure to follow the instructions below:

- Replacement of a battery with an incorrect type that can defeat a safeguard
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas
- Risk of fire or explosion if the battery is replaced by an incorrect type

NOTE:

Remove the batteries from the battery compartment when not using for an extended period of time.

2.3.3. Handling the remote control

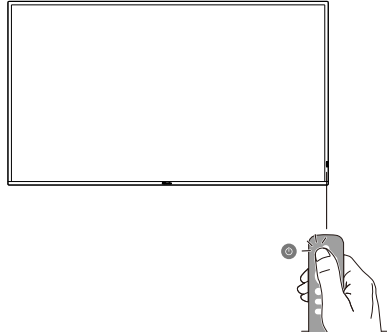
- Do not drop or apply shock to the remote control.
- Do not allow any liquid to get inside the remote control. If water has entered the remote control, wipe the remote control with a dry cloth immediately.
- Do not place the remote control near heat and steam sources.
- Do not attempt to disassemble the remote control, unless you need to place batteries in the remote control.

2.3.4. Operating range of the remote control

Point the top front of the remote control to the remote sensor on the display when you press the buttons.

NOTE:

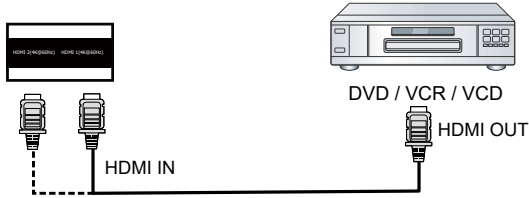
The remote control may not function properly when the remote control sensor on the display is under direct sunlight or strong illumination, or when there is an object between the remote control and the remote sensor of the display.



3. Connecting External Equipment

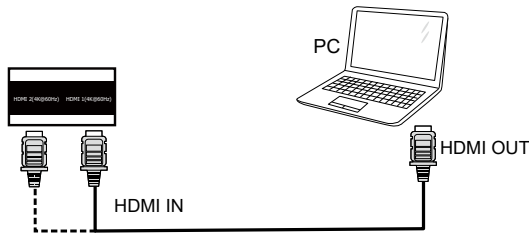
3.1. Connecting External Equipment (DVD/VCR/VCD)

3.1.1. Using HDMI video input

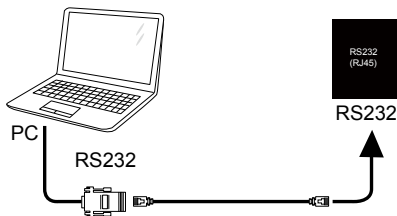


3.2. Connecting a PC

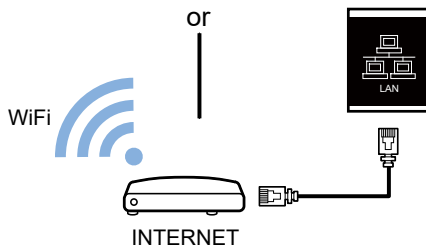
3.2.1. Using HDMI input



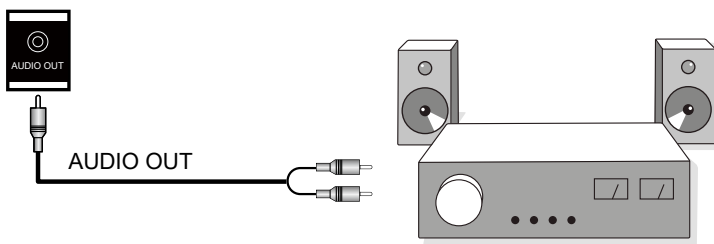
3.2.2. Display control connection



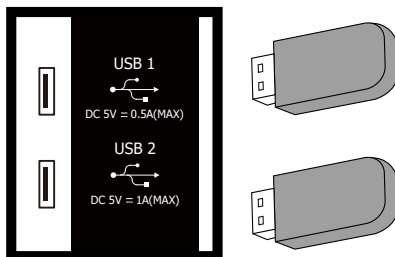
3.2.3. Using network interface



3.2.4. Connecting an external audio device



3.3. Connecting USB



4. Operation

4.1. Media Player Instructions

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 from File 1 to File 7. The pencil icon represents the playlist is not empty.



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



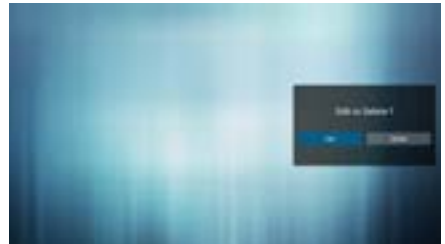
4. If you select the empty playlist, the application will guide you to choose media sources.

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

- Video /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 pressing the "OPTIONS" key on the remote control.



- After you start editing the playlist, you will see the following screen. Source - storage device files. Playlist - playlist files.

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

- Select all: Select all the storage files.
- Delete all: Delete all the playlist files.
- Add/Remove: Update from the playlist.
- Sort: Sort playlists.
- Save/Abort: Save or abort the playlist.



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



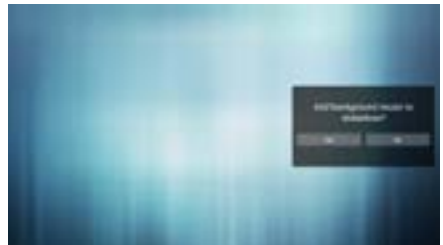
- Choose the desired file information in play list and press [Info] button, you can get information detail.



- Choose the desired file and press the play button, you can directly play media files.



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

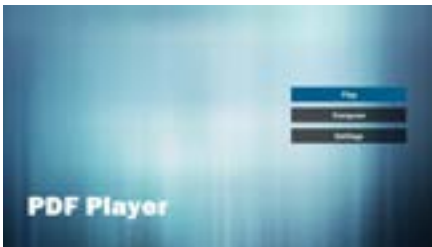


- On the first page of "Settings", this page contains three parts: "Repeat Mode", "Slideshow Effect" and "Effect Duration".
 Repeat Mode: playback mode.
 Slideshow Effect: photo slide effect.
 Effect Duration: photo effect duration.



4.2. PDF Reader Play

- Home page of Pdf app, this page has three items: "Play", "Compose" and "Settings".
 Play : Select playlist to play.
 Compose: Edit playlist.
 Settings: Set play properties.



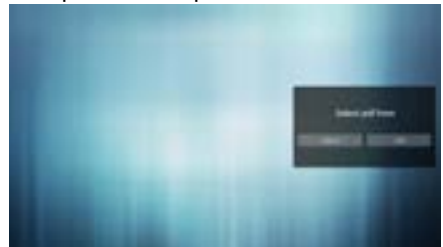
- Select "Play" on home page, first you should choose one playlist to play from File 1 to File 7.
 The pencil icon means the playlist is non-empty.



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



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



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



- You could rename the playlist, just input new name after pressing the "OPTIONS" key on the remote control.



- In the slide bar, it helps you to do the followings:
 - 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.



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

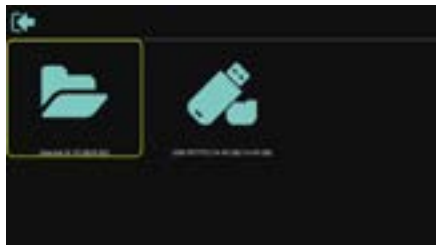


- Select "Settings" on home page, this page has two parts, "Repeat Mode" and "Effect Duration".
 - Repeat Mode : play mode.
 - Effect Duration : photo effect duration.

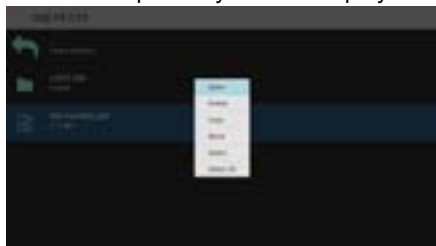


4.3. U disk Files Playback and Copy Instructions

1. U disk can only have one partition. The format must be FAT32 and the capacity can not exceed 32G.
2. Connect your USB device to the USB port on the display.
3. Select the USB flash drive icon and press **OK** to enter the file browser.



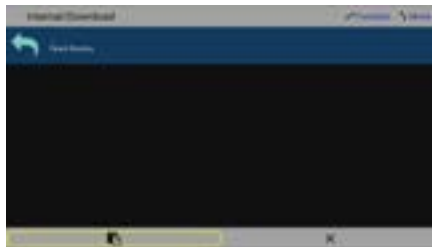
4. Press [**▲/▼**] up/down button to select video or picture you want to play.



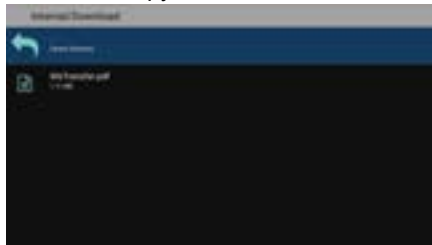
5. Press the [**OK**] button to open directly. Press [**Options**] OPTIONS button to pop up the option menu.
6. Users can choose to play, copy, or move, etc., for example, if you want to copy a file to the internal storage movies folder, select copy, it will pop up "Destination".



7. After selecting the directory to copy to, press the [**◀/▶**] left / right buttons on the remote control to select Paste or Cancel, as shown below.



8. Press the [**OK**] button to complete the file copy.



4.4. Replacing the Custom Bootlogo

1. Put the custom logo.jpg into USB driver under the root directory and plug into the PD USB port.
2. From OSD menu -> Device Management-> Custom Settings-> Custom Bootlogo
3. Set Custom Bootlogo to "on"



4. Select to confirm, To click on



5. Please wait while the custom bootlogo is being replaced



6. Power cycled ie. AC Off then On to find the updated custom logo.

4.5. Replacing the Custom Bootanimation

1. Put the custom bootanimation. zip into USB driver under the root directory and plug into the PD USB port.
2. From OSD menu -> Device Management-> Custom Settings-> Custom Bootanimation
3. Set Custom Bootanimation to "on"



4. Select to confirm, To click on



5. Please wait while the custom bootanimation is being replaced



6. Power cycled ie. AC Off then On to find the updated custom bootanimation.

5. OSD Menu

Operation on the OSD Menu

Column 1	Column 2	Column 1,3	Column 2,3 or Column 2,2	Remarks
Network				
Ethernet	Switch			
	MAC address			
	Connection type	[DHCP / Static IP]		
	IP address			
	Netmask			
	DNS address			
	Gateway			
WiFi	MAC address			
Switch	Add network			
	Refresh			
	ap list			
	SSID			
	IP Address			
Hotspot	Switch			
	Hotspot Name			
	Password			
Common				
Volume & Picture	Picture Mode	Airport and train station	Airport and train station	
		Hotel and convenient store	Hotel and convenient store	
		Dining and clothing	Dining and clothing	
		Security control and monitoring	Security control and monitoring	
		Office	Office	
		Outdoor	Outdoor	
		Customize	Customize	
		Brightness	[0 ... 100]	
		Black Level	[0 ... 100]	
		Contrast	[0 ... 100]	
		Sharpness	[0 ... 100]	
		Dynamic Brightness	[0 ... 100]	

Volume & Picture	Picture Mode	Color Temperature	[Standard (9300K), Cool (12000K), Warm (6500K), User (R/G/B)]	
		Aspect ratio	Full/ Real/4:3/14:9	
		Eye Protect Mode	[ON/OFF]	
	Audio	Volume	0~100	
		Audio Source	[HDMI / Line in]	
		Sound Mode	[Standard, News, Music, Movie, User]	
		Balance	-50 ~ +50	
		Treble	-8 ~ +8	
		Bass	-8 ~ +8	
Desktop	Home	Default Home		
	Wallpaper			
	Screen Orientation	[0, 90, 180, 270]		
Device Management	Key Lock		Default password: 0000	
	change password	Current Password		Super password: 6098
		New Password		
		Confirm Password		Switch Key Lock On:
		Cancel		Step 1: Lock the remote control, button and mouse operation functions after 5s if there is no operation.
	OK		Step 2: After the functions are locked, press the "Set" button on the remote control for 5 seconds to unlock temporarily.	
			The mouse and keyboard are still locked at this point, and only work if the Key Lock is set to Off.	
			Step 3: Repeat step 1 after operation.	

	HDMI Version	2.0/1.4		
Device Management	HDMI with One Wire	[ON/OFF]	HDMI with One Wire	<p>1. Only Hisense series has this function, which is HDMI CEC function</p> <p>2.HDMI with One Wire must be set to ON and connected to the HDMI source of the DVD</p> <p>(1) When PD power off, DVD power off (can not be connected to the DVD HDMI source)</p> <p>(2) When PD turns on, DVD turns on</p> <p>(3) When the DVD is off, PD enters the standby mode without signal</p> <p>(4) PD wakes up when DVD is turned on (need to turn on the signal to wake up)</p> <p>3. HDMI with One Wire should be set to "ON" when the wake up signal is turned on: when The DVD is powered on, the PD will automatically switch to the HDMI source (the PD can not be in the HDMI source before shutting down)..</p>

Device Managemen	HDMI Failure of backup	[ON/OFF]		1. Set to ON, HDMI 1/HDMI 2/OPS automatically cuts to another source when no signal is received. This feature is available when the current source is HDMI after the machine is started. 2. This feature is mutually exclusive with the "Screensaver of no signal" feature, which is automatically set to OFF when the Screensaver of no signal is ON. Pop up the corresponding message)	
	Quick Boot	[ON/OFF]			
	Boot Wake	VGA/HDMI			
		UART/LAN			
	Power On Mode	Power On			
		Standby			
		Last Status			
	Boot on source	HOME			
		HDMI1			
		HDMI2			
		CMS			
		PDF			
		Media			
		CUSTOMER			
		USB			
Last Source					
Play list		[1 ... 7]			
Custom	Custom App		[ON/OFF]		
	Select App				
	Custom Bootanimation		[ON/OFF]		
	Custom Bootlogo		[ON/OFF]		
Uplayer setting	[Switch]				
Interval Time	8S/ 16S/ 24S/ 32S				

Sleep Mode	Custom Uplayer Repeat Time			
	Sleep Time	10 Minutes		
		20 Minutes		
		30 Minutes		
		1 Hour		
		1.5 Hour		
		2 Hours		
		Off		
	Auto Sleep	1 Second		
		5 Seconds		
10 Seconds				
30 Seconds				
60 Seconds				
Off				
Screensaver				
Screensaver Source			Supported file type: 1. Photo: “.png”, “.jpg”, “.jpeg”, “.bmp” 2. Video: “.dat”, “.vob”, “.ts”, “.mkv”, “.mov”, “.3gp”, “.flv”, “.webm”, “.wmv”, “.asf”, “.mp4”, “.avi”, “.mpg”.	
Regular boot				
System	RS232 Control	ON/OFF		
	Language	English		
		中文（中国）		
		Polski		
		Русский		
	Date & time	Automatic date & time		
		Set date	1970/1/1 ~ 2037/12/31	
Set time		00:00 ~ 23:59		

System	Date & time	Time zone		
		NTP Server		
	System update	Local Update		
		Online Update	[Switch]	From OFF to ON, a pop-up prompts: "This function is valid, the system needs to be restarted."
	Factory reset	RESET	[Button]	
	About	GPU		
		Memory		
		Storage		
		Serial Number		
		Android Version		
		Software Version		
		OTA Package Status	Not get/ Downloaded	

☒ 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.

Some options may vary for different signals, please subject to the actual machine.

6. Compatibility of the USB device

Format of the USB multi-media coder-decoder

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

H.264	H.264	File format: MKV, MP4, 3GP	V			Supported picture size: from 48x48 pixels to 1920x1080 pixels Max. frame rate:30fps Max. bit rate: 57.2Mbps Audio coder-decoder: MP2, MP3, AAC, (1) Not support MBAFF
VC-1	VC1	File format: MKV	V			Supported picture size: frame 48x48 pixels to 1920x1080 pixels Max. frame rate:30fps Max. bit rate: 45Mbps Audio coder-decoder: MP2, MP3, AAC, WMA

Audio decoding

Type	Audio coder-decoder	Container	Decoding	Coding	Channel	Remarks
MPEG audio	MPEG1/2/2.5 Audio Layer1/2/3	Decode: MP1, MP2, MP3	V		2	Bit rate: 8Kbps~320Kbps, CBR and VBR Sampling rate: 8KHz~48KHz
Windows Media Audio	WMA version 4.4.1, 7, 8, 9, wmapro	Decode: WMA	V		2	Bit rate: 8Kbps~320Kbps Sampling rate: 8KHz~48KHz Do not support WMA Pro non-destructive and MBR
AAC audio	MAIN, ADIF, ATDS Header AAC-LC and AAC-HE	File format: AAC、M4A	V		5.1	Bit rate: N/A Sampling rate: 8KHz~48KHz

Picture decoding

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

NOTES

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

7. Input Mode

HDMI computer mode

Standard Resolution	Available Resolution		Refresh Rate	Pixel Rate	Aspect Ratio
	H pixel	V line			
VGA	640	480	60 Hz	25.175 MHz	4:3
			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	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	1680	1050	60 Hz	146.25 MHz	16:10
HD1080	1920	1080	60 Hz	148.5 MHz	16:9
UHD	3840	2160	30Hz	297MHz	16:9
UHD	3840	2160	60Hz	594MHz	16:9

HDMI video mode

Standard Resolution	Available Resolution		Refresh Rate	Pixel Rate	Aspect Ratio
	H pixel	V line			
3840 x 2160 P 60Hz	3840	2160	60 Hz	594MHz	16:9
3840 x 2160 P 50Hz	3840	2160	60 Hz	594MHz	16:9
3840 x 2160 P 30Hz	3840	2160	30 Hz	297MHz	16:9
3840 x 2160 P 25Hz	3840	2160	25 Hz	297MHz	16:9
3840 x 2160 P 24Hz	3840	2160	24 Hz	297MHz	16:9
1080 P 59.94/60Hz	1920	1080	60 Hz	148.5 MHz	16:9
1080 P 50Hz	1920	1080	50 Hz	148.5 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
576 I 50Hz 16:9	720	576	50 Hz	13.5 MHz	16:9
480 I 59.94/60Hz	720	480	60 Hz	13.5 MHz	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
576 P 50Hz 16:9	720	576	50 Hz	27 MHz	16:9
480 P 59.94/60Hz	720	480	60 Hz	27 MHz	16:9
480 P 59.94/60Hz	720	480	60 Hz	27 MHz	4:3
480 P 59.94/60Hz	640	480	60 Hz	27 MHz	4:3

8. Cleaning and Troubleshooting

8.1. Cleaning

Caution When Using the Display

- Do not bring your hands, face or objects close to the ventilation holes of the display. The top of the display is usually very hot due to the high temperature of exhaust air being released through the ventilation holes. Burns or personal injuries may occur if any body parts are brought too close. Placing any object near the top of the display could also result in heat related damage to the object as well as the display itself.
- Be sure to disconnect all cables before moving the display. Moving the display with its cables attached may damage the cables and thus cause fire or electric shock.
- Disconnect the power plug from the wall outlet as a safety precaution before carrying out any type of cleaning or maintenance procedure.

Front Panel Cleaning Instructions

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

8.2. Troubleshooting

Symptom	Possible Cause	Remedy
No picture is displayed	<ol style="list-style-type: none"> 1. The power cord is disconnected. 2. The main power switch on the back of the display is not switched on. 3. The selected input has no connection. 4. The display is in the standby mode. 	<ol style="list-style-type: none"> 1. Plug in the power cord. 2. Make sure that the power switch is switched on. 3. Connect a signal connection to the display.
Interference displayed on the display or an audible noise is heard	Caused by surrounding electrical appliances or fluorescent lights.	Move the display to another location to see if the interference is reduced.
Color is abnormal	The signal cable is not connected properly.	Make sure that the signal cable is attached firmly to the back of the display.
Picture is distorted with abnormal patterns	<ol style="list-style-type: none"> 1. The signal cable is not connected properly. 2. The input signal is beyond the capabilities of the display. 	<ol style="list-style-type: none"> 1. Make sure that the signal cable is attached firmly. 2. Check the video signal source to see if it is beyond the range of the display. Please verify its specifications with this display's specification section.
Can hear sound, but no picture	Source signal cable is connected improperly.	Make sure that both video inputs and sound inputs are correctly connected.
Can see picture but no sound is heard	<ol style="list-style-type: none"> 1. Source signal cable is connected improperly. 2. Volume is turned all the way down. 3. [Mute] is turned on. 4. No external speaker is connected. 	<ol style="list-style-type: none"> 1. Make sure that both video inputs and sound inputs are connected correctly. 2. Press [Vol +] or [Vol -] 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.

<p>Some picture elements do not light up</p>	<p>Some pixels of the display are off.</p>	<p>This display is designed using an extremely high level of precision technology: however, sometimes some pixels of the display may not display. This is not a malfunction.</p>
<p>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)</p>	<p>A still picture is displayed for an over extended period of time.</p>	<p>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.</p>

9. Technical Specifications

Display:

Item	Specifications	
	55B4E31T	65B4E31T
Screen Size (Active Area)	54.6 inches(138.8 cm)	64.5 inches(163.9 cm)
Aspect Ratio	16:9	16:9
Number of pixels	3840 (H) x 2160 (V)	3840 (H) x 2160 (V)
Pixel pitch	0.315 (H) x 0.315 (V) [mm]	0.372 (H) x 0.372 (V) [mm]
Displayable colors	10.7 G (8 bits + FRC)	10.7 G (8 bits + FRC)
Brightness (typical)	500 cd/m ²	500 cd/m ²
Contrast ratio (typical)	1200:1	1200:1
Viewing angle	178 degrees	178 degrees

General:

Item	Specifications	
	55B4E31T	65B4E31T
Internal memory	16GB eMMC	16GB eMMC
Power	100 - 240V~, 50/60Hz	100 - 240V~, 50/60Hz
Power Consumption (typ.)	171 W	200 W
Power Consumption (Max)	200 W	238 W
Power Consumption (Standby & Off)	<0.5 W	<0.5 W
Dimensions (Without Stand) [W x H x D]	1241.8 x 712.6 x 69.7 mm	1462.3 x 837.3 x 93.4 mm

Environmental Condition:

Item		Specifications
Temperature	Operational	0 ~ 40°C
	Storage	-20 ~ 60°C
Humidity	Operational	20 ~ 80% RH (No condensation)
	Storage	10 ~ 90% RH (No condensation)
Altitude	Operational	0 ~ 5,000 m
	Storage / Shipment	0 ~ 9,000 m

Internal Speaker:

Item	Specifications
Number of Speakers	2
Input	12 W X 2
Impedance	8 Ω

Wifi:

Item		Specifications
Wireless LAN module Specifications	Model	WCT0SR2311
	Frequency Range	2.4 ~ 2.4835 GHz 5.15 ~ 5.825 GHz
	Output power (max)	2.4 ~ 2.4835 GHz 17 dbm 5.15 ~ 5.25 GHz 14 dbm 5.25 ~ 5.35 GHz (DFS band) 14 dbm 5.47 ~ 5.725 GHz (DFS/TPC band) 14 dbm 5.725 ~ 5.825 GHz (for Non EU) 14 dbm

European Energy Efficiency QR Code

55B4E31T



65B4E31T



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Specifications are subject to change without notice.



Q41G55M166101B