

技术类文件

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不会受到有效控制，请使用受控版本

文件版本号	编写	审核	批准	生效日期
5.0	卢嘉仪	电气部		
		结构部		
		软件部		
		产品部		



User's Manual for LCD Monitor

Note: please read this Manual carefully before using the product!
Do not attempt to disassemble the product. If the product does not work, please contact us or our dealer in your area.

Dear Users

Congratulations on your purchase of our product. If you have any questions, please feel free to contact us.

This manual applies to our splicing unit.

This manual may contain technical inaccuracies, or inconsistencies with product functions and operations, or print errors. We will update the content hereof as the product functions are enhanced, and will improve or update the product or procedure described herein on a regular basis. The updated content will be incorporated into the new version without further notice.

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Features

- LED backlight LCD, characterized by large visual angle, low radiation, low power consumption and long service life.
- Support input/output ports as RS232 IN, RS232 OUT, HDMI, VGA and PC AUDIO.
- Completely eliminate the zigzag lines and blurring at the edge of motion picture by using motion compensation technique.
- High brightness & contrast, improved picture quality with more details.
- HDMI port supports line-by-line input of 4K HD signals.
- Fully remote controlled.

Safety Information

The display unit of the LCD monitor is designed in line with safety standards. However, improper use may result in electric shocks, fire accidents, and even personal injury and property damage. In order to prevent potential dangers, ensure your safety and extend its service life, make sure the following notes are carefully read and complied with prior to installation, use and cleaning of the product.

- Carefully read all instructions and nameplate labels before use, and keep the User Manual for further use.
- In any of the following cases, remove the power plug from the socket and consult with the service personnel.
 - a. The power cord or plug is damaged or worn;
 - b. The shell is damaged or the product falls accidentally;
 - c. Obvious abnormality occurs after you operates it pursuant to the User Manual;
 - d. Foreign objects or liquid enter the product;
 - e. Abnormal noise or smell;
- Do NOT open the shell as high voltage is inside and it contains no user serviceable parts. Refer the servicing to qualified service personnel.
- Keep away from direct sunlight, moisture, high/low temperature and ensure good ventilation.
- Keep away from flammable and explosive materials.

Safety Information

- Avoid blocking the vents.
- Do NOT place the product in a confined space unless well-ventilated.
- Route the power cord to avoid being tramped or crushed.
- Properly insert the power plug to the socket, otherwise a fire accident may result.
- Connect to the mains supply, and avoid connecting to a circuit with high-power devices like an elevator. Use a voltage stabilizer under circumstances with unstable voltage like a metro station as unstable voltage may damage the product.
- Do NOT plug/unplug with wet hand, otherwise electric shock may result.
- Do NOT operate within 2 minutes after power off since instantaneous discharge is present.
- Do not touch the signal connectors with a sharp object or metal, or insert it into the vent, otherwise short circuit, product damage or electric shock may result.
- Do not knock, crush, and scratch the LCD screen.
- Handle with care and hold the handle while moving the LCD screen to avoid falling or impact.
- Remove the power cord before cleaning. Use soft cloth to clean the shell. Do not use any detergent, spray detergent, alcohol, solvent or liquid containing ammonia to clean the screen.
- Working Temperature: 0°C ~ 40°C。 Storage Temperature: -10°C ~ 60°C。
Working Humidity: 20% ~ 85% RH Non-Condensing。
Storage Humidity: 10% ~ 90% RH Non-Condensing。

Connection

Packing list

The following articles are included:



LCD monitor × 1



User Manual
× 1



Warranty
Card × 1



Certificate of
Quality × 1



Remote
control × 1



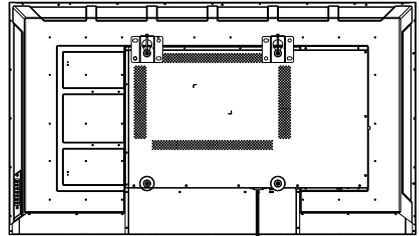
1.5m power
cord × 1

Connection

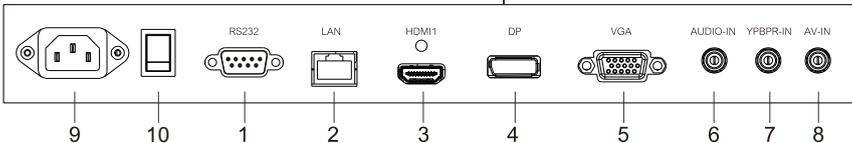
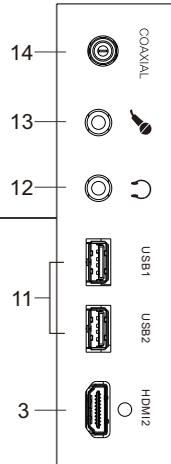
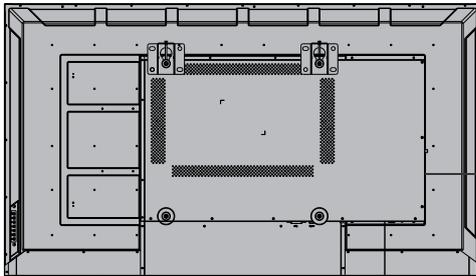
Power Requirements

Notes:

1. AC 100-240V 50/60 Hz is used.
Power cord
2. Disconnect the power supply when it is to be kept idle for a long time.



Ports



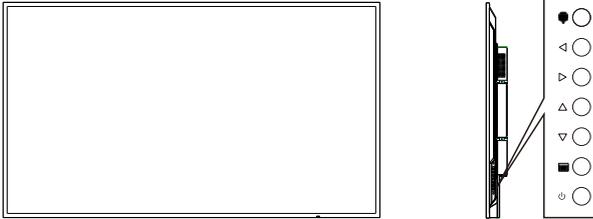
Connection

Signal port	Description	Signal port	Description
1	Rs232 port	8	AV-IN port
2	LAN port	9	Power port
3	HDMI port	10	ON/OFF switch
4	DP port	11	USB port
5	VGA port	12	EARPHONE port
6	AUDIO IN port	13	MIC port
7	YPBPR IN port	14	COAXIAL port

Notes

- Signals input via RS232-IN can be output via RS232-OUT.
- HDMI1/HDMI2 input port supports the maximum resolution of 3840*2160 @60Hz.
- DP-IN port supports the maximum resolution of 3840*2160@30Hz.
- DVI-IN port supports the maximum resolution of 1920*1080@60Hz.
- DVI-OUT port supports the output of signals input via HDMI2/DVI-IN/DP-IN/OPS ports.
- DVI port supports DVI-D type port wire only.
- To obtain sound display effect, it is recommended to use the provided wires or wires of a well-known brand.

Panel Keys



Notes

1. Signal reception window for the remote control and indicator light.
 2. ● : press the ● key to enter the signal source selection menu, and to select the signal source;
It is used to confirm the operation under the MENU operations.
 3. ▲/▼ : In the OSD menu, press the ▲/▼ key to select an item.
 4. ◀/▶ : It is used to adjust the volume. In the OSD menu, press the ◀/▶ key to adjust the value of the selected item.
 5. ■ : Press the ■ key to enter the main menu, and it confirms the operation in the SOURCE menu.
 6. ⏻ : Press it to go to Standby mode.
- Remark: When the product is different from the picture, the product prevails.

Remote Control

- Protect the remote control from violent vibration. Besides, never set or place the remote control in direct sunlight because heat will result in deformation of the remote control.
- When the remote receiver on the main unit is subject to direct sunlight or strong light, it is possible that the remote control malfunctions. In such case, please change the angle of lighting or the machine, or operate the remote control close to the remote receiver.
- Low battery voltage will affect the remote control distance. Please replace the batteries with new ones. If the remote control is to be left unused for a long period or the batteries are depleted, please remove the batteries in order to avoid battery leakage which may corrode and damage the remote control.
- Never use batteries of different types or mix a new battery with a used one. Always replace batteries in pair.
- Never try to dispose of batteries in a fire or recharge or decompose batteries. Never recharge, short-circuit, disassemble/assemble, heat or burn any used batteries. Please dispose of waste batteries according to applicable environmental regulations. Do not expose batteries to any hot environment, like direct sunlight, over the fire, etc.

Remark: The actual appearance of the remote control may be different from the picture.



Keys on the Remote Control

Key	Description
POWER (⏻)	Switch between normal operation and standby
SCREENSHOT (📷)	Take screenshot
MUTE (🔇)	Enable or disable sound
LETTER/NUMERIC KEYS	Input any number
F1 (FREEZE)	Enable or disable freeze function in the system
CH LIST (📺)	Allow backspace when inputting characters / view TV channel list
HOME (🏠)	Display the home page of the product
MENU (☰)	Display the main Settings menu
CURSOR KEYS (⬅️/➡️/⬆️/⬇️)	Select or adjust menu options
VOL +/-	Adjust volume
BACK (⏪)	Return to the previous setting interface
SOURCE	Display the source selection menu (valid only in TV mode)
CH +/-	Turn channels up/down
SOUND MODE	Select the sound mode of the product
SLEEP	Set the sleep time and auto standby when the specified time is reached
INFO	Display channel info of the product
ZOOM	Switch the channel display ratio on the screen
IMAGE	Select the picture mode of the product
SYS	Only for switching TV systems
STEREO	Select the NICAM mode of the product
OK (OK)	Confirm the operation
PLAY (▶️)	For operation of multimedia functions in the intelligent platform
PAUSE (⏸️)	
STOP (■)	
ROTATE (🔄)	
PREV (⏮️)	
NEXT (⏭️)	
BACK (⏪)	
SPEED (⏩)	

Remark: Different models may have difference in functions of the remote control. The above picture is subject to the actual product.

Operation Instructions

Startup

Connect the power plug to the power socket, press the  key on the panel or the Standby key on the remote control to turn on the monitor.

Standby

Press the Standby key on the remote control, the monitor goes to Standby.

★ Tips

The product is environment-friendly:

- ① If no signals are detected in 5 minutes after startup, it enters the Standby mode;
- ② It enters the Standby mode when it reaches the time to switch off;
- ③ Power plug must be removed when the complete power-off is needed.

Selecting Signal Source

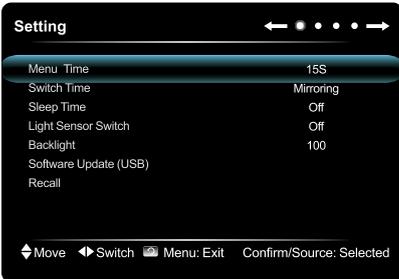
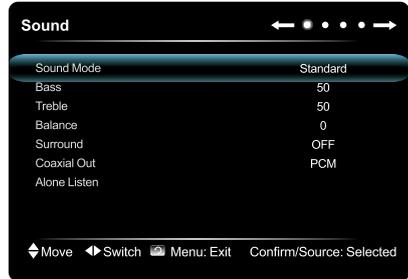
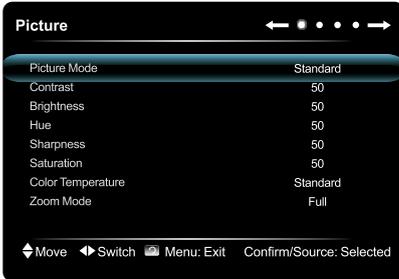
Upon startup, press "**SOURCE**" on the remote control; the screen will display the "Input Source" menu. At this moment, you can press "/ " on the remote control to select a source. Press "**OK**" on the remote control; the product will switch to the input source selected.

Operation Instructions

Menu Operation

◆ Press the "MENU" key on the remote control or on the front panel; the screen will display the main menu:

1. Press "◀/▶" on the remote control to select an adjustment category menu. Adjustment category menus include: Picture, Sound Mode Adjustment, Channel, and Settings.
2. Press "▲/▼" on the remote control to select the desired item in the category menu.
3. Press "OK" on the remote control to enter the item to be adjusted.
4. Press "◀/▶" on the remote control to change the analog value or setting of the adjustment item selected.
5. When the screen displays the main menu, press the "MENU" key to exit the main menu.
6. During menu operation, the color of an option icon that cannot be operated in the current state will change to grey.



List of Menu Settings

Picture	Picture Mode	Select the picture mode.
	Contrast	Adjust the luminance between the brightest white and the darkest black that can be produced in the light and dark areas of a picture.
	Brightness	Adjust the overall brightness of pictures: increase the analog value to enhance the brightness; decrease the analog value to reduce the brightness (0-100).
	Hue	Adjust the hue of pictures: increase the analog value to change the hue to green; decrease the analog value to change the hue to purple (0-100).

Operation Instructions

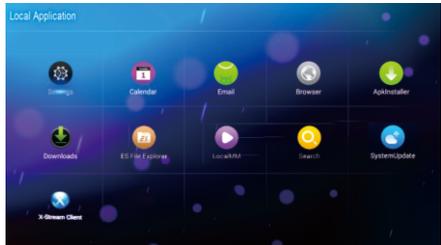
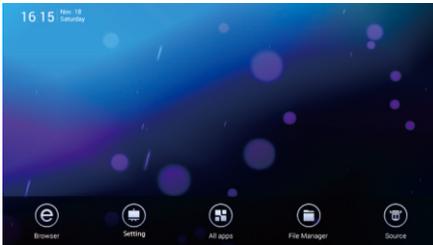
Picture	Sharpness	Adjust the black-white gradation of pictures: increase the analog value to improve the sharpness; decrease the analog value to reduce the sharpness (0-100)
	Saturation	Adjust the color saturation
	Color Temp	Adjust the overall color temperature of pictures: Standard, Warm, and Cold
	Zoom Mode	Adjust the aspect ratio: Full Screen, 4:3, Movie, and Subtitle. (The available modes are different under different sources)
	Remark: The analog values of Contrast, Brightness, Hue, Sharpness and Saturation are adjustable only in User Mode.	
Sound	Sound mode	Select the sound effect mode: Standard, Music, Movie, and User
	Bass	Adjust the bass level: increase the analog value to raise the bass level; decrease the analog value to lower the bass level (0-100)
	Treble	Adjust the treble: The bigger the analog value (0-100), the higher the treble.
	Balance	Adjust the balance between left and right channels: adjust the analog value leftward to increase the volume of left channel; adjust the analog value rightward to increase the volume of right channel (L50-R50). Generally, the balance is set to 0
	Surround	Select enabling or disabling surround sound effect
	SPDIF OUT	Select the digital sound output mode: PCM, RAW, and OFF
Remark: The analog values of Bass and Treble are adjustable only in User Mode.		
Settings	Menu Time	Adjust the OSD time: 5s, 10s, 15s, 20s, 30s, and Constant.
	Sleep Time	Set the auto standby time for the machine
	Light Sensor	Enable/disable the Light Sensor function
	Backlight	Adjust the backlight brightness of the machine
	Software Update (USB)	Upgrade the machine software via USB
	Recall	Reset to factory defaults

Remark: Different models, different sources, and the menu options may be different, please refer to the actual conditions.

Basic Operations

Press "▲" to display the main interface of the intelligent mode (as shown in the figure).

1. Press "◀/▶/▲/▼" to select an app;
2. Press "OK" to run the app;



★ Special Tips

In the intelligent mode of this product, user itself can install apps. Different apps are operated differently. The app operation methods introduced in this Manual are for reference only. User shall operate the product according to the actual situation. Some functions cannot be achieved with the remote control. To ensure convenient operation, user is suggested to operate with a USB mouse and keyboard. The mouse and keyboard should be connected to the OPS multimedia USB ports. All operation functions can be realized by manual touch.

QuickStart

Prior to use of the product, please get familiar with the following operations to ensure a better experience.

Mouse Operation

1. Click: Click the mouse and then release it immediately;
2. Long press: Press the mouse for more than 3s; then release it;
3. Clicking the left mouse button provides the same effect as the "OK" key on the remote control.
4. Clicking the right mouse button provides the same effect as the "Back" key on the remote control.

Language and keyboard settings

Language: Select **Settings > Preferences > Language** in the intelligent mode, and press "OK"; press "▲/▼" to select the desired language, and press "OK".

Select input method: Select **Settings > Preferences > Keyboard > Current Keyboard** in the intelligent mode, and press "OK"; select the desired input method in the option menu, and press "OK" to confirm the choice. The system is provided with "Android Keyboard" and "Google Pinyin Input Method". User can also download a third-party input method.

System time setting: Select **Settings > Date & Time > Auto Determination of Date & Time** in the intelligent mode, and press "OK"; the system will automatically get the time from the network and update it. If the product is not connected to the network, you can only manually set the system time in Date & Time.

Screenshot: Before taking a screenshot, please insert the USB storage device to a USB port of the product, and press "SCREENSHOT" key. After taking a screenshot, the picture is stored in the "\Pictures\Screenshots" folder in the USB storage device.

APK Installer: The APK Installer option helps user to manage apps. User can install setup files stored in the local disk or uninstall locally installed apps. Tip: You can access **Settings > Security & Restrictions > Unknown Sources** to set whether it is allowed to install apps not from the App Store and also set the preferred installation location or operate all apps.

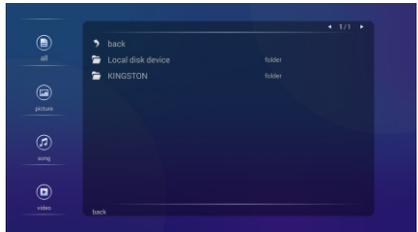
◆ **How to install an app?** After entering APK installation, select Install and press "OK". Select the path of target setup file in the local disk, and find the app installation package to be installed from the box on the right side, and press "OK".

◆ **How to delete an app?** First select **Manage**, and press "OK"; then select the app to be uninstalled, and press "OK"; last select **Uninstall** and click "OK"; the system will automatically uninstall the app.

Multimedia Player (if the APK installer is not pre-installed, you can access the file manager to select and install the corresponding APK app): Connect the USB storage device via USB port; select **Local Play** in the main interface of intelligent mode, and press "OK" to run it. Select a file category among All, Image, Song and Video on the left side.

◆ **Play files in the local disk:** Before playing a file in the local disk, first insert the USB storage device to a USB port on the product.

Select **Local Disk** from the file directory in the middle, and press "OK". Select Back in the directory; press "OK" to return to the previous folders; select a directory folder, and press "OK" to enter the folder; press "Back" to return to the desktop.



Caution:

- ① It is possible that some non-standard USB devices cannot be recognized; please use a standard USB device.
- ② The streaming media system has certain restrictions on the format of each file played; errors will be caused if going beyond such restrictions.
- ③ Do not plug or remove the USB device when the system is playing a file; otherwise system or device failures will occur.
- ④ This system supports USB flash drives, mobile hard drives and other devices with standard USB1.1 and USB2.0 port transmission protocols.
- ⑤ The maximum output current of USB ports on the product is 500mA; the product will enter self-protection when this limit is exceeded. If you connect an external device with heavy current, it is suggested to use an external power supply.

◆ **Description of option icons in the play interface**



Options in the image player menu

	Play the previous image.
	Pause/start slide show.
	Play the next image.
	Zoom in an image.
	Zoom out an image.

	Rotate an image leftward by 90°.
	Rotate an image rightward by 90°.
	Show the details of an image.
	Set image playback.

Options in the song player menu



	Play the previous song.
	Pause/start music playback.
	Play the next song.

	Set the song play mode: Repeat All, Repeat One, and Shuffle.
	View the song playlist.
	Show the details of a song.

Options in the video player menu



	Play the previous chapter.
	Select the fast rewind rate.
	Pause/start video playback.
	Select the fast forward rate.
	Play the next chapter.
	Select the viewing time point

	View the playlist.
	Display the details of a video
	Playback settings; enable subtitle display and adjust audio track progress with this option.
	Set repeat play of the A-B segment. After setting points A and B, the A-B segment of the video will be played repeatedly.

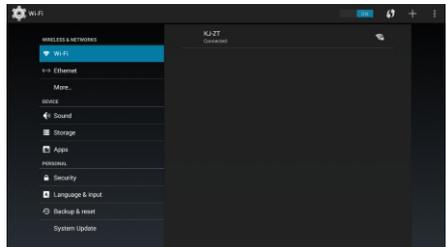
During playback, press "OK" to display the menu options shown above. Select the corresponding icon, and press "OK" to execute the operation. User can press "Back" to exit playback, or press "▶", "⏸", "■", "◀", and "⏩" on the remote control to perform shortcut operations.

Settings

Network Settings: Select Network Settings under Settings in the intelligent mode, and press "OK".

Wired Network Settings(Optional): Prior to use of wired network, first connect one end of the network cable to the network port on the product, and the other end to the router.

- 1.If your router is set to allow automatically obtaining an IP address, select Advanced Options > DHCP for IP Configuration, and press "OK"; the product will automatically obtain an IP address.
2. If your router is not set to allow automatically obtaining an IP address, you must complete network connection by the following steps (select Static in TP configuration);
- 3.Select IP Address, and configure an available IP address for the product;
- 4.Select Default Gateway, and configure an available gateway for the product;
- 5.Select Network Prefix Valid Length, and configure a valid length of subnet mask for the product;
- 6.Select Preferred DNS1 and Alternate DNS2, and configure an available DNS server address for the product;
- 7.Select Save, and press "OK"; the system will give a prompt indicating the setting is finished.
- 8.Select Subnet Mask, and configure an available subnet mask for the product;
- 9.Select Default Gateway, and configure an available gateway for the product;



Troubleshooting

Follow the solutions below to solve these common problems, and contact us if the problem persists.

Problems	Possible causes	Solutions
The Power indicator does not come on	A. the monitor is not powered on	A. Check if the power cord is connected, and switch ON the monitor.
The Power indicator is on, but no image is displayed	A. The Video wire is detached or connected improperly B. No video signal input	A. Connect or replace the video wire, and ensure proper and correct connection; B. Check the signal source, and check if it is properly connected at the output end.
Image jerking or ripple	A. There exists an electric device that interferes with the video signals;	A. Turn off the electric device, or relocate the monitor.
Dim or extremely bright screen	A. Low or high brightness/contrast;	A. Check the brightness/contrast settings, or restore to default settings.
Color difference	A. Improper chromatic saturation; B. Improper RGB values or color temperature;	A. Check the chromatic saturation; B. Adjust the RGB values or reset the color temperature; C. Restore to default settings.
Image distortion	A. Improper aspect ratio;	A. Reset the aspect ratio.
No sound	A. the Audio wire is detached or connected improperly; B. It is mute;	A. Ensure proper connection at the input end; A. Reset the volume.

ROHS Compliance

Names and contents of toxic and hazardous substances or elements contained in the product

Component	Toxic and Hazardous Substances or Elements					
	(Pb)	(Hg)	(Cd)	(Cr ⁶⁺)	(PBB)	(PBDE)
LCD screen	×	○	○	○	○	○
Housing	○	○	○	○	○	○
PCB assembly*	×	○	○	○	○	○
Power cord and cable	×	○	○	○	○	○
Metal parts	○	○	○	○	○	○
Packing materials*	○	○	○	○	○	○
Remote control	×	○	○	○	○	○
Loudspeaker	×	○	○	○	○	○
Accessories*	○	○	○	○	○	○

*: PCB assembly includes the PCB and the electronic components constituting the PCB;

Packing materials include the carton and expandable polystyrene, etc.;

Other accessories include User's Manual and etc.;

○: The toxic and hazardous substance contained in all homogeneous materials of that component does not exceed the required limit prescribed in the GB/T26572-2011 standards.

×: The toxic and hazardous substance contained in one or more homogeneous materials of that component exceeds the required limit prescribed in the GB/T26572-2011 standards.

Provided by our material suppliers and verified by us, the data in the table above indicates that the product contains hazardous substances. Due to the limitation of the existing technology, the hazardous substances in some materials cannot be replaced, although we have been striving to improve this situation.

The product has an Environmental Friendly Use Period (EFUP) of 10 years. The pollution control symbol is shown on the right.



The EFUP is valid only when the user operates in normal conditions as specified in the User's Manual.

ROHS Compliance

Indicative Description of Regulations on Recycling and Disposal of Waste Electrical and Electronic Products

When you no longer need this product or its service life expires, please send it to a qualified recycling station in your area for recycling according to the Regulations on Recycling and Disposal of Waste Electrical and Electronic Products, in order to protect the Earth.



RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

The plug on the power supply cord is intended to serve as the disconnect device, for PLUGGABLE EQUIPMENT, the socket-outlet shall be installed near the equipment and shall be easily accessible ~ This symbol indicates AC voltage The product is designed for IT Power Distribution System CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

Hisense

This Manual is only for reference; actual functions are subject to change without further notice, please refer to the actual product.

V1.0