CommBox Display 75-98 4K User Manual

commBOX

Display

Contents

Features

1.This product runs on Android 5.0.1 operating system with unique User Interface design, offering you more convenient operation and better visual experience.

2.You can download a huge selection of applications ranging from chats and searches to learning, shopping and reading over the Internet, with support for simultaneous e-mail sending and receiving.

3.This product can be conveniently operated with a mouse and a keyboard with USB ports, just like a personal computer.

4.Large-capacity memory and buffer enable running movies and games smoothly.

5.High-quality LCD screen features low radiation, high brightness, high contrast, with a large viewing angle, short response time and no flicker, greatly reducing the ghosting of fast-moving images and eye fatigue.

6.De-interlaced image processing and advanced motion compensation technology greatly improve the jagged and blurred edges of moving images.

7.Dynamic contrast technology significantly improves image definition and contrast.

8.Multiple USB ports support streaming media function.

Safety Warning and Precautions

Thank you for purchasing your high-performance CommBox display. This product was designed with personal safety in mind and has undergone strict testing before delivery. However, improper installation and use may cause electric shock or fire. To ensure safe use of the product, as well as to maintain its service life and allow best performance, please read the operation instructions and labels carefully and observe the following safety precautions before using the product. Please retain this Manual for your future reference.

⚠ Warning	May cause casualties
🚫	Prohibited actions

⚠ Caution	May cause personal injury or property damage
●	Imperative operations

In case of the

- ● Power outage or unstable voltage;
- ● Abnormal sound or smell;
- ● Damaged AC power cord;
- ● Product damage caused by fall, strike or impact;
- ● Any object or liquid falling into the product.

▷ Turn off the product immediately, disconnect the power plug from the power socket and contact authorised professional service staff for repair.

● In case of any flammable gas leakage, do not connect/disconnect the power plug of this product or any other electrical appliance but close the leaky valve and open the doors and windows immediately.

🚫 ● Use AC 100-240V, 50/60Hz only.

●Cut off power supply before connecting/disconnecting any cable.

●To avoid the risk of fall, damage and fire, do not fix the product into any unstable position.

●Do not place the product in any environment:

1. That is too damp, hot, cold, dusty or exposed to direct sunlight;

2. Where flammable or explosive substances are stored or used;

3. Where there are combustible or corrosive gases;

4. Bathroom, kitchen or similar premises.

●Do not use any damaged or inappropriate power outlet. Ensure a good contact between the power plug and outlet.

●Protect the power plug and outlet against dust and metal attachments.

Do not damage the power cord:

  1. Do not remodel it;

  2. Do not put heavy objects on it;

  3. Keep it away from heat sources;

  4. Do not pull it when disconnecting the power plug.

🚫 ●Paralleling multiple power plugs to one power outlet may cause fire due to excessive power consumption.

●To avoid the risk of electric shock and fire, keep the product away from naked flames (like burning candles).

●Do not put any container with water on the product, or the water drops or splashes could cause electric shock or fire.

● The ventilation holes in the housing are designed to protect the components from overheating and ensure their long-term operation. The product should be placed without blocking such ventilation holes.

🚫 To avoid the risk of electric shock, do not touch the power plug with wet hands.

⚡ In case of storm or lightning, disconnect the power plug and the antenna plug immediately to protect the product against lightning strike.

🚫 To avoid the risk of electric shock and fire, do not disassemble the product in any way. All repairs should be referred to professional technicians.

●Do not allow children to climb the product.

●To avoid the risk of swallowing or choking, keep small accessories beyond the reach of children.

●Turn off the product and disconnect the power plug before keeping the product idle for a long time for whatever reason.

●Disconnect all cables before changing the position or the angle of the product. To avoid the risk of fall, move the product slowly.

●Do not use hard objects to rub or strike the screen, or to twist or press it forcibly.

●Disconnect the power plug before cleaning the product with a soft cloth, without using any industrial chemicals. Prevent any foreign object from falling into the product. Improper cleaning may cause damage to the product, erase the printed information or damage the components (if the cleaning fluid or water flows into the product) and cause failure.

●To avoid the risk of condensation or fault, do not use the product immediately after moving it from a low-temperature place to a higher-temperature place.

●Cut off the power supply to the product by disconnecting the power plug.

●If the leakage splashes onto your skin when the LCD screen is broken, rinse the skin with clean water for 15 minutes and seek medical advice.

●Hold the four corners and the bottom side rather than exerting pressure on the front panel when moving the product with your hands.

●Use the product in a way that promotes health: use it under appropriate lighting conditions; insufficient light or long continuous use may damage your vision.

●The power plug or extension lead may be used to switch off the product in case of emergency.

●Insert the power plug into the power socket adequately. A loose connection may cause sparks or fire.

⚠ Caution

●If a still image is displayed on the product or there is any still text or icon in a moving image for an extended period of time, a "ghost image" will be left on the screen and remain there long after the product has been turned off. Such fault is not covered by the warranty.

●The technical specifications provided in this Manual and on the packaging are subject to change without further notice. If there is any difference between this Manual and any actual operation, the actual operation shall prevail.

Mounted on the wall

30cm

Impedes air circulation

10cm   10cm

Wall

10cm
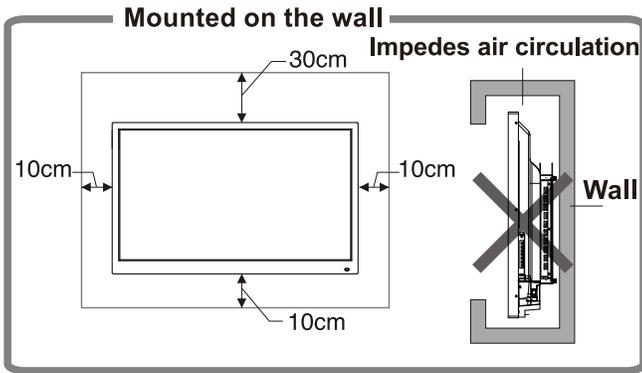
Ventilation

● Maintain the clearance around the product in accordance with the minimum dimensions shown in this image.

● Never cover the ventilation holes or insert any object into the housing.

● Do not place the product in confined space such as in a bookcase or an inbuilt wardrobe unless appropriate ventilation conditions are provided. There should be adequate clearance around the product to ensure proper ventilation.

Installation and Connection

Packing List

Item	
CommBox Display ×1	●
Remote Control ×1	●
User Manual ×1	●
Power Cord ×1	●

| Item	
Warranty Card × 1	●
Certificate of Conformity × 1	●
Wall-mount and Instructions × 1	●
Battery × 2	●

Caution:
If you have any problems operating, connecting or troubleshooting the product, please contact us. If the product has any fault, cut off the power supply immediately and contact us. As a Class-A product, it may produce radio interference in living environments. In such case, an extension lead may help control the interference.

- Install the product near an AC power outlet with an easy access.
- For the sake of safety, it is suggested to use a compatible wall-mount bracket or base for the product.
- To avoid injury, the product must be placed on a stable horizontal surface or fixed to a solid wall.
- Wall mounting of the product must be completed by a professional installer. Improper installation may cause unsteadiness of the product.
- Do not put the product in a place that may be exposed to mechanical vibration.
- Do not put the product in a place where insects may enter.
- Do not place the product directly facing an air conditioner; otherwise condensation may form on the panel inside the display, resulting in a fault.
- Do not place the product near any strong electromagnetic field; otherwise it will be subjected to electromagnetic interference.

Ports
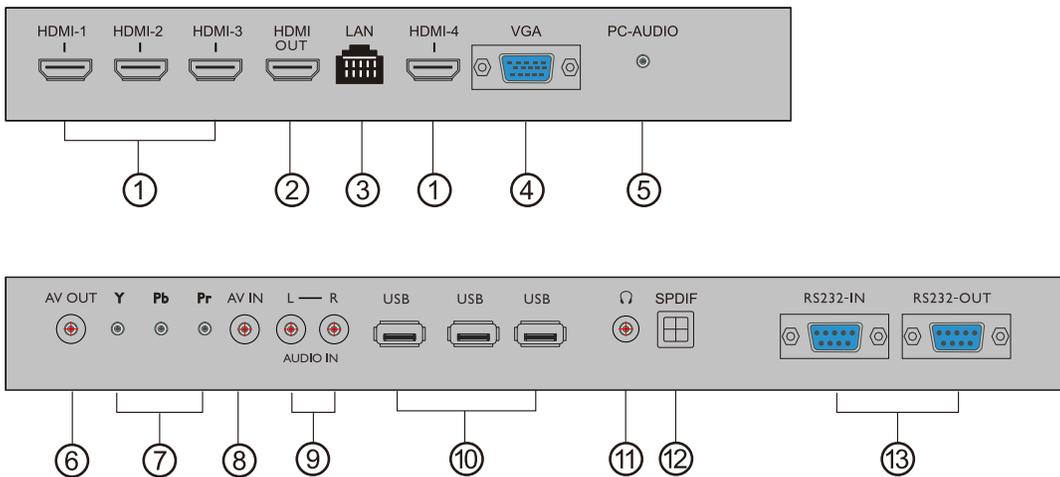
Note: Different models in the same series may have slightly different ports. The pictures above are subject to the actual product.

1.HDMI Ports; 2.HDMI-OUT Port; 3.LAN Port; 4.VGA Port; 5.PC-AUDIO Port; 6.AV-OUT Port; 7.YPbPr/YCbCr Ports; 8.AV-IN Port; 9.AUDIO IN Ports; 10.USB Ports; 11.Headset Port; 12.SPDIF Port; 13.RS232 IN/OUT Ports;

Caution: Disconnect the power plug before installing or removing the product!

Connection Diagram

Schematic diagram for connecting the product to a PC. (Note: Disconnect the power plug before installing or removing the product!)

Connection diagram

HDMI-1	HDMI-2	HDMI-3	HDMI OUT	LAN	HDMI-4	VGA	PC-AUDIO

Connection ports on the product

HDMI cable

Connection ports on the PC

DC-IN	HDMI	VGA	SPDIF	USB	LAN	AUDIO-OUT	MIC-IN
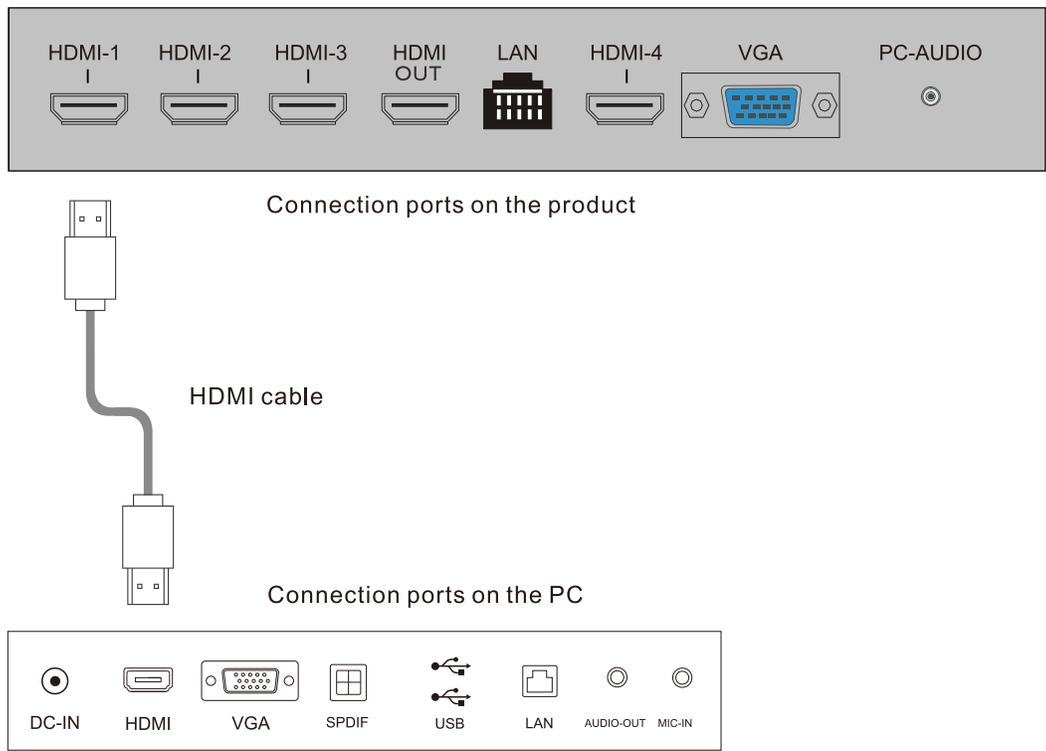
Note: The connection diagram in this Manual is only for reference when connecting to a PC, subject to the actual operations required.

Control Buttons on the Front Panel
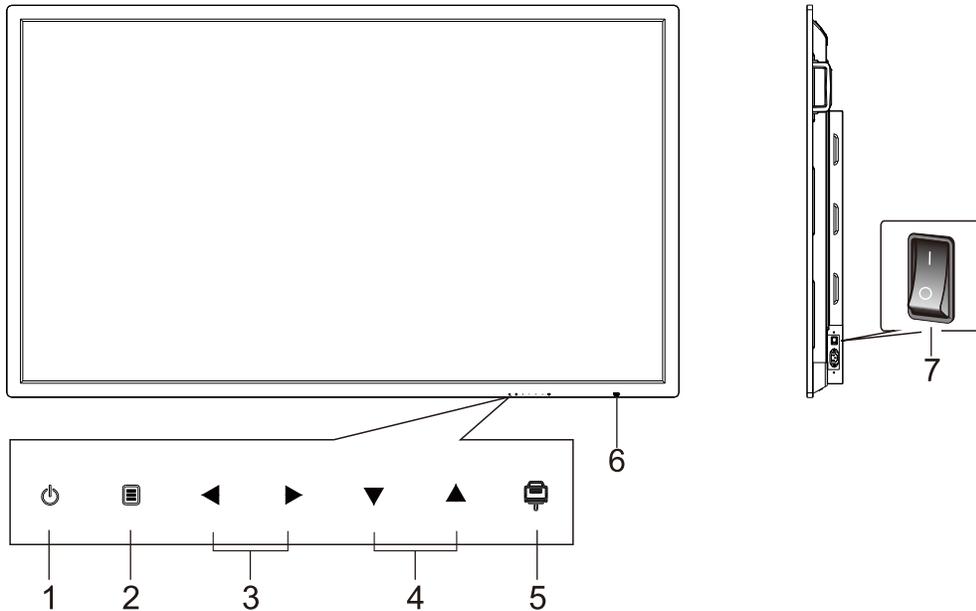
1. ⏻ : Power On/Standby button;

2. ▤ : Press this button to show the Main menu;

3. ◄/►: VOL + / VOL - button; in the OSD menu, press these two buttons to adjust the analog value of a selected item; their functions are identical to ◄/► on the remote control;

4. ▲/▼: CH+ / CH - button; in the OSD menu, press these two buttons to select adjustment items up and down; their functions are identical to ▲/▼ on the remote control;

5. ▤ : Press this button to show the source menu;

6. Indicator and remote receiver;

7. ⓘ : On/Off button ("**I**" indicates On; "**O**" indicates Off. This button is optional, subject to the actual product.)

Note: Different models may have slightly different appearances. The above pictures are subject to the actual product.

Remote Control

Install Batteries in the Remote Control:
Remove the battery compartment cover and follow the polarity marks "+" and "-" in the battery compartment to install two AAA batteries (No.7, 1.5V).

Precautions for Use of the Remote Control:
●Aim the remote control at the remote receiver when using the remote control. Any object placed between the remote control and the remote receiver may disturb normal operation.

●Protect the remote control from strong vibrations. Never set or place the remote control in direct sunlight because the heat will lead to deformation of the remote control.

●When the remote receiver on the main unit is subject to direct sunlight or strong light, the remote control may malfunction. In such case, please change the angle of light or of the product, or operate the remote control closer 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 of time 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 pairs.

● Never try to dispose of batteries in a fire, never recharge, short-circuit, disassemble/assemble, heat or burn any used batteries. Please dispose of waste batteries according to the applicable environmental regulations. Do not expose batteries to any hot environment, like direct sunlight, over the fire, etc.

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

Keys on the Remote Control

Key	Description
POWER(⏻)	Switch between normal operation and standby
SCREENSHOT (▢)	Take a screenshot
MUTE (◁̸)	Enable or disable sound
LETTER/NUMERIC KEYS	Input a 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 interface
SOURCE	Display the source selection menu (valid only in TV mode)
CH +/-	Change 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
PAUSE (❙❙)	
STOP (■)	
ROTATE (↻)	
PREV(⏮)	
NEXT (⏭)	
BACK (◀◀)	
SPEED (▶▶)	

Basic Operations

Power On/Standby

Insert the power plug into the power outlet. First turn on the On/Off button "⏻" on the product, if available; then press "⏻" on the remote control or control panel to turn on the product. In the absence of the On/Off button "⏻", just press "⏻".
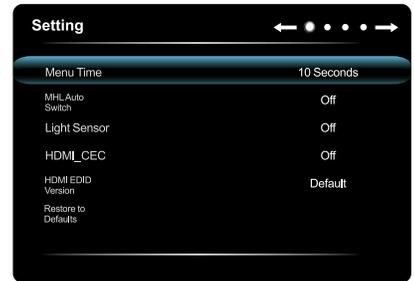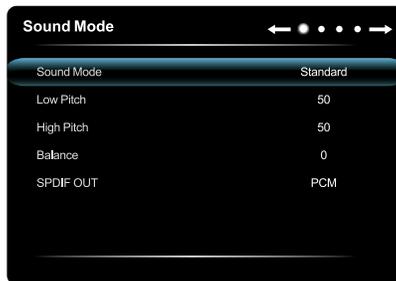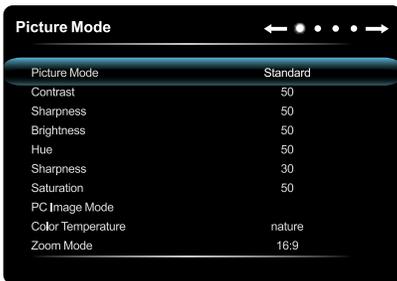In the power-on state, press "⏻", and the product will enter standby.

Source Selection

On startup, press "**SOURCE**" on the remote control; the screen will display the "Input Source" menu. At this stage, 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.

| VGA | AV | YPbPr | OPS | HDMI1 | HDMI2 | HDMI3 | HDMI4 | USB |

◆ 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 submenu. Adjustment category submenus include: Picture, Sound Mode Adjustment, Channel, and Settings.
2. Press "**▲/▼**" on the remote control to select the desired item in the category submenu.
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.

Picture Mode	
Picture Mode	Standard
Contrast	50
Sharpness	50
Brightness	50
Hue	50
Sharpness	30
Saturation	50
PC Image Mode	
Color Temperature	nature
Zoom Mode	16:9

Sound Mode	
Sound Mode	Standard
Low Pitch	50
High Pitch	50
Balance	0
SPDIF OUT	PCM

Setting	
Menu Time	10 Seconds
MHL Auto Switch	Off
Light Sensor	Off
HDMI_CEC	Off
HDMI EDID Version	Default
Restore to Defaults	

List of Menu Settings

	Picture Mode	Select the image mode (Standard, Bright, Soft, PC, Custom)
Pitcure	Contrast	Set the luminance between the brightest white and the darkest black that can be produced in the light and dark areas of the image.
	Brightness	Adjust the overall brightness of the image: increase the analog value to enhance the brightness; decrease the analog value to reduce the brightness (0-100).
	Hue	Adjust the hue of the image: increase the analog value to change the hue to green; decrease the analog value to change the hue to purple (0-100).

Pitcure	Sharpness	Adjust the black-white gradation of the image: increase the analog value to improve the sharpness; decrease the analog value to reduce the sharpness (0-100).
	PC Screen Adjustment	Automatically correct the screen (valid only in the case of VGA signal).
	Saturation	Adjust the color depth of the image: increase the analog value to increase the color depth; decrease the analog value to reduce the color depth (0-100).
	Color Temp	Adjust the overall color temperature of the image: Standard, Warm, and Cold.
	Zoom Mode	Adjust the aspect ratio: Full Screen, 4:3, Movie, and Subtitle.
	PC image adjustment	Adjust the image display range in PC mode (available in the case of PC signal source).
	Note: The analog values of Contrast, Brightness, Hue, Sharpness and Saturation are adjustable only in the User Mode.	
Sound	Sound mode	Select the sound effect mode: Standard, Music, Movie, and User.
	Low Pitch	Adjust the bass level: increase the analog value to raise the bass level; decrease the analog value to lower the bass level (0-100).
	High Pitch	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 towards the left to increase the volume of the left channel; adjust the analog value towards the right to increase the volume of the right channel (L50-R50). The default value is 0.
	SPDIF OUT	Select the digital sound output mode: PCM, RAW, and OFF.
	Note: The analog values of Bass and Treble are adjustable only in the User Mode.	
Settings	Menu Time	Adjust the OSD time: 5s, 10s, 15s, 20s, 30s, and Constant.
	MHL Auto Switch	Adjust MHL auto switch: two modes are available, ON and OFF; it is non-adjustable only under HDMI4.
	HDMI_CEC	Adjust HDMI-CEC mode: two modes are available, ON and OFF.
	HDMI EDID Version	Adjust HDMI EDID version: Default Mode, EDID1.4, and EDID2.0.
	Restore to Defaults	Restore all settings to factory defaults, and restart the system.

Note: Different models, different sources, and the menu options may differ. Please refer to the actual product configuration.

Android Operations

Basic Operations

Press " 🏠 " to display the main Android interface (as shown in the figure).
1. Press "◄ / ► / ▲ / ▼ " to select an app;
2. Press "**OK**" to run the app;

Note:
Operation may be complex in the Android interface; the users can install apps of their choosing. Different apps are operated differently. The app operation methods described in this Manual are for reference only. User shall operate the product according to the actual situation. Some app operations may not be possible via the remote control. To ensure convenient operation, it is suggested to use a USB mouse and keyboard. The mouse and keyboard should be connected to the USB ports of the product.

QuickStart

Prior to using the product, please familiarise yourself 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 smart mode, and press "OK"; press "▲/▼" to select the desired language, and press "**OK**".

Select input method: Select **Settings** > **Preferences** > **Keyboard** > **Current Keyboard** in the smart 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**". Users can also download a third-party input method.

System time setting: Select **Settings** > **Date & Time** > **Auto Determination of Date & Time** in the smart 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 set the system time in **Date & Time** manually only.

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

Android Applications

Browser: You can use the browser to display text, images, sound and other information from the Internet. Before accessing the Internet, connect the product to the Internet. For specific settings methods, refer to "**Settings** > **Device** > **Network**".

❶	Go back to previous webpage	❺	Close current window	❾	Search
❷	Go forward to next webpage	❻	Add new window	❿	Browser menu
❸	Refresh page	❼	URL input box	⓫	Favorites
❹	Browser window	❽	Add bookmark		

◆**How to visit a website?** Press "◀ / ▶ / ▲ / ▼" keys to select the website input box and then input the network address to be accessed in the website box; select the Go icon on the virtual keyboard and press the "OK" key to access the website.

◆**How to add a page as a bookmark?** Select the Add bookmark icon (8) in the main interface of the browser and press the "**OK**" key; input the browser label and website. Select an account and press the "**OK**" key; use the "▲ / ▼" keys to select the storage account and press the "**OK**" key. To add the bookmark, press the "**OK**" key.

◆**How to copy and paste text from a webpage?** Move the cursor over the text to be copied; long press the left mouse button, and then a pair of selecting cursors will appear on the screen. Drag the selecting cursors to select the text; then select **COPY** at the top of the screen and click the left mouse button to select the position to paste; long press the left mouse button and click **PASTE** in the popup dialogue box.

E-mail: The -email option allows the user to log into their individual or business email account and then send and receive emails.

APK Installer: The APK Installer option helps the user to manage apps. The user can install setup files stored on the local disk or uninstall apps already installed. Tip: You can access **Settings > Security & Restrictions > Unknown Sources** to set whether it is allowed to install apps not from the App Store, 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**"; lastly, 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 and press "**OK**" to run it. Select a file category among All, Image, Song and Video on the left side.

◆ **Play files on the local disk:** Before playing a file on the local disk, first insert the USB storage device into a USB port of 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 will not 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 / USB2.0/USB3.0 port transmission protocols.

⑤ The maximum output current of product USB ports is 500mA; the product will enter self-protect mode when this limit is exceeded. If you are connecting an external device with high current, it is suggested to use an external power supply.

Settings

Network Settings: Select Network Settings under Settings and press "**OK**".

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

If your router is set to automatically obtain an IP address, select **Advanced Options > DHCP** for IP Configuration, and press "**OK**"; the product will automatically obtain an IP address.

If your router is not set to automatically obtain an IP address, you must complete network connection by following these steps (select **Static** in IP configuration):

1.Select **IP Address**, and configure an available IP address for the product;

2.Select **Default Gateway**, and configure an available gateway for the product;

3.Select **Network Prefix Valid Length**, and configure a valid length of the subnet mask for the product;

4.Select **Preferred DNS1 and Alternate DNS2**, and configure an available DNS server address for the product;

5.Select **Save**, and press "**OK**"; the system will give a prompt indicating the setting up is finished;

6.Select **Subnet Mask**, and configure an available subnet mask for the product;

7.Select **Default Gateway**, and configure an available gateway for the product;

8.Select Preferred DNS1 and Alternate DNS2, and configure an available DNS server address for the product;

9.Select Save, and press "**OK**"; the system will give a prompt, indicating the setting is finished.

◆ **WiFi Hotspot:** Set the product as a hotspot for wireless network connection with this option.

1.Select **WiFi Hotspot**, and press "**OK**" to enable the WiFi hotspot function;

2.Select **Configure WiFi Hotspot**, and press "**OK**";

3.Enter the network name (**SSID**) in the textbox. The default name is "**AndroidAP**"; you can change it to another name.

4.Select **Security**; press "**OK**" to select the security type. If it is used as an open network, it is unnecessary to set any password, but any devices that find your network could connect to your open WiFi network. If you select **WPA PSK/WPA2 PSK** for encryption, enter a password with more than 8 characters. When other devices find the WiFi network you have shared, the correct password must be entered to connect to your network.

5.After selecting **Encrypt**, the system will automatically configure a password for you; you can also enter a password in the password field.

6.Select **Save**, and press "**OK**" to save the setting; other WiFi devices can now search and find your network if within range.

Caution: Please set the network password of sufficient strength.

Important Statement on Network Service

All contents and services obtained through the product are owned by third parties and protected by copyright, patent, trademark and/or other intellectual property laws. These contents and services are only for your personal non-commercial purposes, which shall not be used in a way not authorized by the content owner or service provider.

Under no circumstance shall our Company be liable for any direct, indirect or unexpected losses or damages arising from your or any third party's access to any contents or services or any information or third-party software through this product.

Third-party services may be subject to change, removal or discontinuation without prior notice. Our Company does not represent or warrant that some services or contents will remain accessible at any time.

Our Company will not be responsible for any service related to these contents and services, or assume any liability for customer service. For any question or service request about these contents and services, please directly contact your content or service provider.

Troubleshooting

Problem	Possible Reason	Solution
The screen does not display anything; there is no sound, and the indicator does not come on	The power cord is not plugged in properly, power connection failure	Check if the power cord is properly connected
Images displayed on the product have dotted lines or striped interference	Signal interference caused by cars, neon lights, electric hair dryer, etc.	Do not use the electric hair dryer near the product
Images displayed on the PC are offset, do not cover the entire screen, go beyond the screen, or are blurred	1. Improper adjustment 2. Wrong display mode	1. Use the auto adjustment function 2. Enter "PC Screen Adjustment" to adjust the horizontal or vertical position 3. Use the recommended mode
Short remote control distance, malfunction of remote control	1. The remote receiver of the product is blocked by some object 2. Battery level of the remote control is low	1. Move the object to avoid blocking the remote receiver 2. Replace the battery
The product freezes, crashes or cannot be operated	1. Too many programs are running 2. Normal operation of the product is disturbed by external environment (e.g., lightning, static electricity)	Disconnect the product from power supply, wait for 1-2min and reconnect power supply, then restart the product
OPS can't be turned on, no display	OPS has not been installed properly	Reinstall the OPS computer

Technical Specification

Overall Specification

Model	75" (CBD75A5)
Physical resolution	3840×2160(pixels)
Pixel pitch	0.429mm×0.429mm
Response time	8ms
Brightness	450cd/m²
Contrast	1200:1
Viewing angle	178°/178°
Chroma	1.07B
Control mode	Key control/infrared remote control/RS232 control
Input voltage	100-240V/AC
Power consumption	400W(Without OPS)
Dimension (without packing)	1714.2mm×992.4mm×97.2mm(depth)
Net weight/gross weight	41Kg/53Kg
Wall mounting holes	600mm(H)×400mm(W)
Installation method	Through the wall mounting holes (screw size: M8)
Housing material	Plastic+Sheet Metal
Environmental protection standard	All components and packing materials comply with the international environmental protection standards

Model	86" (CBD86A5)
Physical resolution	3840×2160(pixels)
Pixel pitch	0.4935mm×0.4935mm
Response time	8ms
Brightness	400cd/m²
Contrast	1200:1
Viewing angle	178°/178°
Chroma	1.07B
Control mode	Key control/infrared remote control/RS232 control
Input voltage	100-240V/AC
Power consumption	440W(Without OPS)
Dimension (without packing)	1962mm×1135mm×102.6mm(depth)
Net weight/gross weight	57Kg/77Kg
Wall mounting holes	700mm(H)×400mm(W)
Installation method	Through the wall mounting holes (screw size: M8)
Housing material	Sheet Metal
Environmental protection standard	All components and packing materials comply with the international environmental protection standards

Model	98" (CBD98A5)
Physical resolution	3840×2160 (pixels)
Pixel pitch	0. 5622mm×0.5622mm
Response time	5ms
Brightness	500cd/m²
Contrast	1300:1
Viewing angle	178°/178°
Chroma	1.07B
Control mode	Key control/infrared remote control/RS232 control
Input voltage	100-240V/AC
Power consumption	480W(Without OPS)
Dimension (without packing)	2198.8mm×1253.8mm×109.5mm(depth)
Net weight/gross weight	106Kg/157Kg
Wall mounting holes	800mm(H)×400mm(W)
Installation method	Through the wall mounting holes (screw size: M8)
Housing material	Sheet Metal
Environmental protection standard	All components and packing materials comply with the international environmental protection standards

Working conditions: temperature: 0°C~40°C; RH: 20%~80%; atmospheric pressure: 86kPa~104kPa.
Storage conditions: temperature: -10°C~60°C; RH: 10%~60%; atmospheric pressure: 86kPa~104kPa.

1. Antenna input: 75Ω coaxial, unbalanced;
2. AV video input: 1+0.3Vp-p, RCA terminal;
3. AV audio input: 500mV RMS;
4. YPbPr/HDMI video input: 480i, 480P, 576i, 576P, 720P, 1080i, 1080P, 4K;
5. Operating system: Android 5.0.1;

VGA Display Mode

NO.	Mode	Resolution	Refresh Rate
1	VGA	720×400	70Hz
2	VGA	640×480	60Hz
3	SVGA	800×600	60Hz
4	XGA	1024×768	60Hz
5	XGA	1280×720	60Hz
6	WXGA	1360×768	60Hz
7	WXGA	1600×900	60Hz
8	WUXGA	1920×1080	60Hz

Toxic/Hazardous Substances/Elements in the Product

Component	Toxic and Hazardous Substance or Element					
	(Pb)	(Hg)	(Cd)	(Cr^{6+})	(PBB)	(PBDE)
Display screen	×	○	○	○	○	○
Housing	○	○	○	○	○	○
PCBA*	×	○	○	○	○	○
Power cord and cables	×	○	○	○	○	○
Metal parts	○	○	○	○	○	○
Packing materials*	○	○	○	○	○	○
Remote control	×	○	○	○	○	○
Speaker	×	○	○	○	○	○
Accessories*	○	○	○	○	○	○

This table has been prepared in accordance with SJ/T11364.

*: PCBA includes the PCB and its electronic components;
 Packing materials include the carton, EPS, etc.
Other accessories include the User Manual, etc.
○: The content of such toxic/hazardous substance in all homogeneous materials of such component falls within the content limit specified in GB/T26572-2011.
×: The content of such toxic/hazardous substance in one or more homogeneous materials of such component goes beyond the content limit specified in GB/T26572-2011.
As shown in the above table prepared based on the data provided by our material suppliers for each type of materials and verified by us, this product contains hazardous substances. The hazardous substances contained in some materials are irreplaceable at the current technological level although we have been trying to improve this.

The environment-friendly use period of this product is 10 years (see the pollution control symbol on the right).

Such use period will be maintained under the normal working conditions specified in the User Manual.

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

When you no longer need this product or at the end of its service life, please send it to a local recycling facility with nationally recognized qualifications for recycling according to the applicable national laws and regulations on recycling waste electrical and electronic products.

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