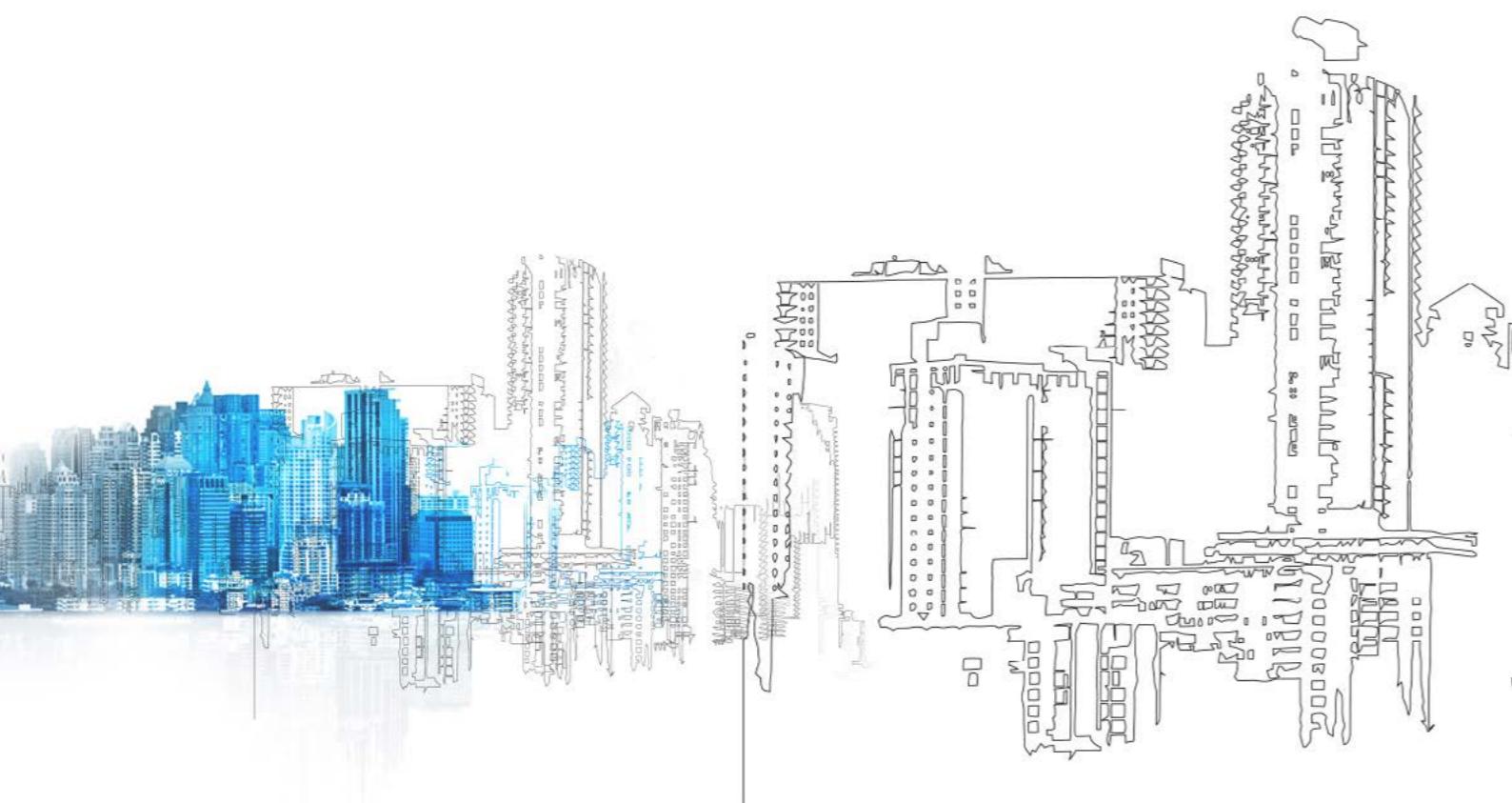# CTOUCH® The power to engage

Laser air+

Laser air+ Series
WHEN FUNCTION MATTERS.

The CTOUCH Laser air+ is a masterpiece when it comes to craftsmanship, technology and making touch accessible to the world. Integrating innovations like JBL sound, opening a complete new and unique experience in touch.

CAUTION

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

This user manual includes detailed usage instructions for your product. Please read this manual thoroughly.

Figures and illustrations in this user manual are provided for reference only and may differ from actual equipment appearance.

Equipment design and specifications may be changed without notice.

CONTENTS

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Note:
A digital PDF manual to zoom in for better viewing can be found at: www.ctouch.eu
This manual is for the 55", 65", 70", 75", 84" and 86" screens and may slightly differ from original CTOUCH range.

IMPORTANT INFORMATION

If the unit is not positioned in a stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the unit.
- Only use furniture that can safely support the unit.
- Ensure the CTOUCH interactive display is not hanging over the edge of the supporting furniture.
- Do not place the CTOUCH interactive display on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the CTOUCH interactive display to a suitable support.
- Do not place cloth or other materials between the CTOUCH interactive display and supporting furniture.
- Do not let children climb on furniture to reach the CTOUCH interactive display or its controls.
- CTOUCH is not necessarily responsible nor obligate providing support for the App operation on the inside Android OS.
- Do not use immediately after moving from a low temperature to high temperature environment, as this causes condensation, which may result in fire, electric shock, or other hazards.
- To avoid possible condensation it is recommended to not use the device within 24 hours after its arrival.
- To prevent the spread of fire, keep candles or other open flames away from the CTOUCH interactive display all the times.

IMPORTANT SAFETY PRECAUTIONS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN THE DISPLAY

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your CTOUCH interactive display. This label is located on the back of your CTOUCH interactive display.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your CTOUCH interactive display.

Electricity may cause personal injuries and property damage if handled improperly. The CTOUCH interactive display has been engineered and manufactured with the highest priority on safety. But improper use can result in potential electric shock or fire hazard. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your CTOUCH interactive display, please read the following precautions carefully before using the product.

1. **Read these instructions** - All operating instructions must be read and understood before the product is used.

2. **Keep these instructions** - These safety and operating instructions must be kept in a safe place for future reference.

3. **Note all warnings** - All warnings on the product and in the instruction manual must be observed closely.

4. **Follow all instructions** - All operating instructions must be followed.

5. **Attachments** - Only use attachments/accessories specified by the manufacturer. Do not use attachments which are not recommended by the manufacturer. Use of improper attachments can result in accidents.

6. **Power source** - This product is intended to be supplied with a listed power supply indicated on the marking label. If you are not sure of the type of power supply at your location, consult your product dealer or local power company. For added protection for this product during a lightning storm, or when it is left unattended and unused for a long period of time, unplug it from the wall outlet and disconnect the cable system.

7. **Power cord protection** - Protect the power cord from being walked on or pinched particularly at plugs, wall outlet, and the point where they exit from the device.

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8. **Overloading** - Do not overload wall outlets, extension cords, or convenience receptacles on other equipment as this can result in a risk of fire or electric shock.

9. **Entering of objects and liquids** - Never insert an object into the product through vents or openings. High voltages are present in the product and inserting an object can cause electric shock and/or short circuit internal parts. For the same reason, do not spill water or liquid on the product.

10. **Servicing** - Refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way, such as the power-supply cord or plug is damaged, liquid has been spilled, objects have fallen into the device, the device has been exposed to rain or moisture, does not operate normally or has been dropped.

11. **Damage requiring service** - If any of the following conditions occurs, unplug the power cord from the AC outlet and request a qualified service technician to perform repairs.

    a. When the power cord or plug is damaged.
    b. When liquid is spilled on the product or when objects have fallen into the product.
    c. When the product has been exposed to rain or water.
    d. When the product does not operate properly as described in the operating instructions.
    e. Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.
    f. If the product has been dropped or the cabinet has been damaged in any way.
    g. When the product displays an abnormal condition or exhibits a distinct change in performance.
    h. Any noticeable abnormality in the product indicates that the product needs servicing.

12. **Replacement parts** - in case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts. Use of unauthorized parts can result in fire, electric shock and/or other danger and will affect the warranty.

13. **Safety checks** - Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the product is in proper operating condition.

14. **Wall or ceiling mounting** - When mounting the device on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer. This is a safety issue.

15. **Stand** - Use only with the trolley stand or wall mount specified by the manufacturer, or sold with the device. Do not place the product on an unstable trolley stand or wall mount. Placing the product on an unstable base can cause the product to fall, resulting in possible serious injuries as well as damage to the device. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.

16. **Careful move** - When a trolley is used, be cautious when moving the trolley/device combination to avoid injury from the device tipping over. Sudden stops, excessive force and uneven floor surfaces can cause the product to fall from the trolley. Never attempt to move the CTOUCH interactive display unless the AC power cord has been disconnected.

17. **Lightning** - Unplug this device during thunder storm or when unused for long periods of time.

    For added protection during a thunder storm, or when the CTOUCH interactive display is left unattended and unused for long periods of time, unplug the AC power cord. This will prevent damage to the equipment due to lightning and power-line surges.

18. **Do not use this device near water** - for example near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool. The device should not be exposed to dripping or splashing liquids and that no objects filled with liquids, such as vases, shall be placed on the device.

19. **Cleaning** - Unplug the device from the power before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a soft lint-free cloth for cleaning.

20. **Ventilation** - Do not block any ventilation openings. Install the CTOUCH interactive display in accordance with the manufacturer instructions. The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings, since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; therefore do not place the product in an enclosed space such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.

21. **Heat sources** - Do not install near any heat sources such as radiators, heat registers, stoves, or other device (including amplifiers) that produce heat.

22. **Panel protection** - The display panel used in this product is made of glass. Therefore, it can break when the product is dropped or impacted upon by other objects. Be careful not to be injured by broken glass pieces in case the display panel breaks.

23. **Pixel defect** - The protective touch plate is a very high technology product, giving you fine detailed pictures. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red. For further information, please contact CTOUCH Service for our Pixel Policy.

WARNING: For continued safety, device with class I construction shall be connected to a mains socket outlet with a protective earthing connection.

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IMPORTANT SAFETY PRECAUTIONS

ABOUT LOCATION/ ENVIRONMENT

Do not use in hot and cold rooms (locations)

- When the unit is used in rooms (locations) with low temperature, the picture may leave trails or appear slightly delayed. This is not a malfunction. The unit will recover when the temperature returns to normal.
- Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight, near a heater or in high humidity, as this may cause the cabinet to deform and the screen to malfunction and affect the CTOUCH interactive display's performance.
- Environment condition:
  Operating temperature: 5℃ – 35℃
  Operating humidity: 20% – 80% (no moisture condensation)
  Storage temperature: -15℃ – 45℃
  Storage humidity: 10% – 80%
  Atmospheric pressure: 86 kPa ~106 kPa

CLEANING AND MAINTENANCE

To clean this unit, wipe with a soft, dry cloth.

Clean the cabinet with a soft, lint-free cloth. If the cabinet is especially dirty, moisten a soft, lint-free cloth in a weak detergent solution, squeeze the excess moisture from the cloth, then wipe the cabinet with the cloth. Use a clean cloth to dry the cabinet.

- Use eyeglass cleaner to remove stubborn dirt from the screen.
- Never use alcohol, paint thinner or benzine to clean this device.

CARRYING OR MOVING THE CTOUCH INTERACTIVE DISPLAY

- When you move the CTOUCH interactive display , hold the frame of the CTOUCH interactive display .
- Be aware of the danger or harm which may caused by carrying or moving the CTOUCH interactive display , as the bezel is very thin.
- When transporting, do not subject the unit to shocks or vibration, or excessive force.

ABOUT AFTER-IMAGE

The extended use of fixed image program material can cause a permanent after-image on the screen.
This background image is viewable on normal programs in the form of a stationary fixed image. This type of irreversible screen deterioration can be limited by observing the following steps:

A. Reduce the brightness/contrast setting to a minimum viewing level.
B. Do not display a fixed image for extended periods of time.
C. Turn the power off when the display is not in actual use.

Important Information Regarding Use of Video Games, Computers, Captions or Other Fixed Image Displays.

- Do not allow a still picture to be displayed for an extended period of time, as this can cause a permanent after-image to remain on the screen. Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode.

CAUTIONS:

- The permanent after-image on the screen resulting from fixed image use is not an operating defect and as such is not covered by the warranty.
- For further information, please contact CTOUCH Service for our Image Retentio.
- It is not advised to put the screen in portrait mode because this will affect the warranty.

ENVIRONMENTAL PROTECTION

waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. Protect the envirourment and recycle this product. Return your CTOUCH interactive display free of charge. Contact eco@ctouch.eu.

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STANDARD ACCESSORIES

UNPACKING
The following items are included in your product box.
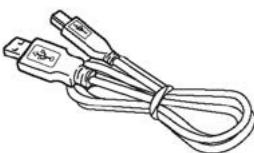
CTOUCH INTERACTIVE DISPLAY
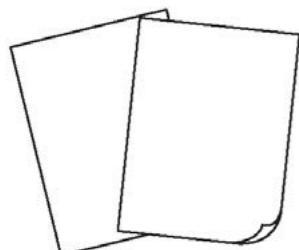
REMOTE CONTROL

TOUCH PEN

AC POWER CORD

HDMI CABLE
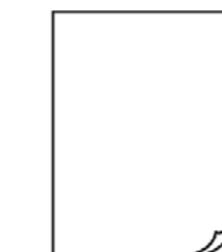
USB CABLE

UK AC POWER CORD

QUICK START GUIDE

WARRANTY CARD

WELCOME LETTER

Notes:
The illustrations may differ slightly from the items shipped with your product.

REMOTE CONTROL

Switch the CTOUCH interactive display power on or off

Display or exit input source menu

To confirm or enter a sub-menu or toggle between options during menu operation.

Use Arrow buttons to navigate in on-screen menu.

Display desktop (Home page) on the screen

Return to previous menu or exit the on-screen menu

Display or exit the setting menu screen

Mute the sound

Freeze the current picture

Turn off the backlight, the screen will go black but the processes will continue (like playing music).

Volume down

Press any button on the remote controle again or touch the CTOUCH internative display glass plate with two fingers in order to turn on the backlight again.

Take a screenshot. The screenshot will show all content displayed on the screen and will be stored on the build-in-storage.

Note: When a external USB storage device is connect, screenshots will be stored (only) on the USB storage device.

Volume up

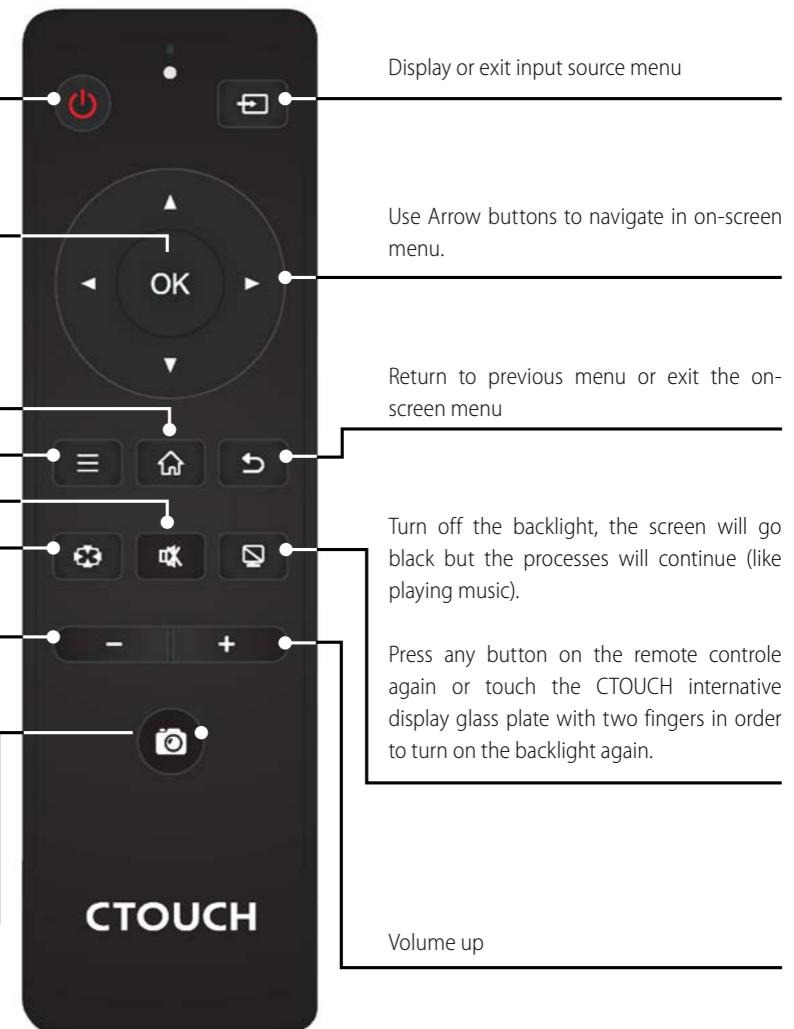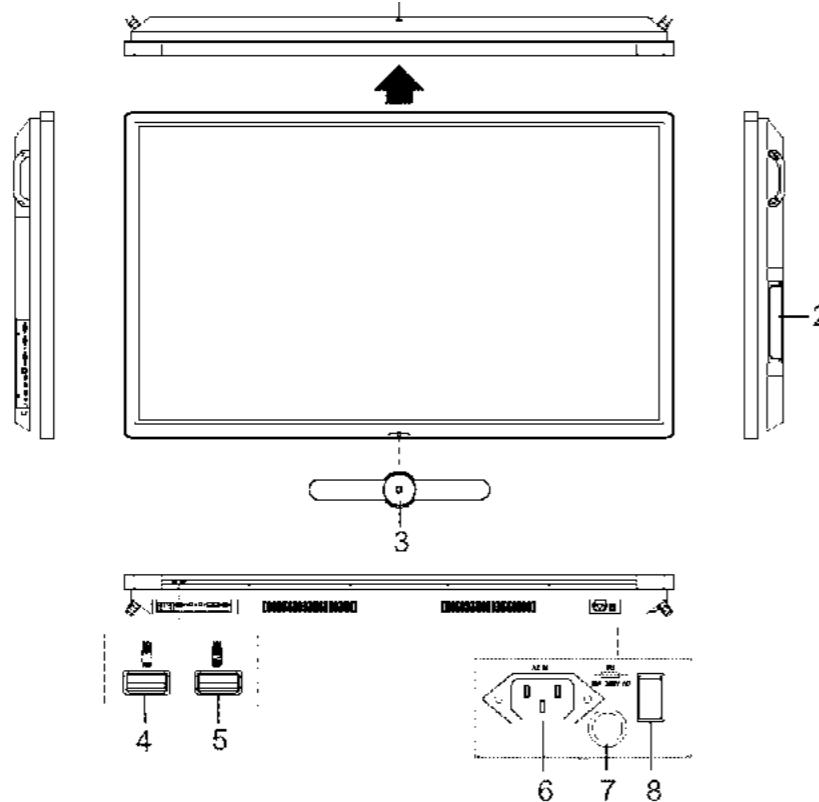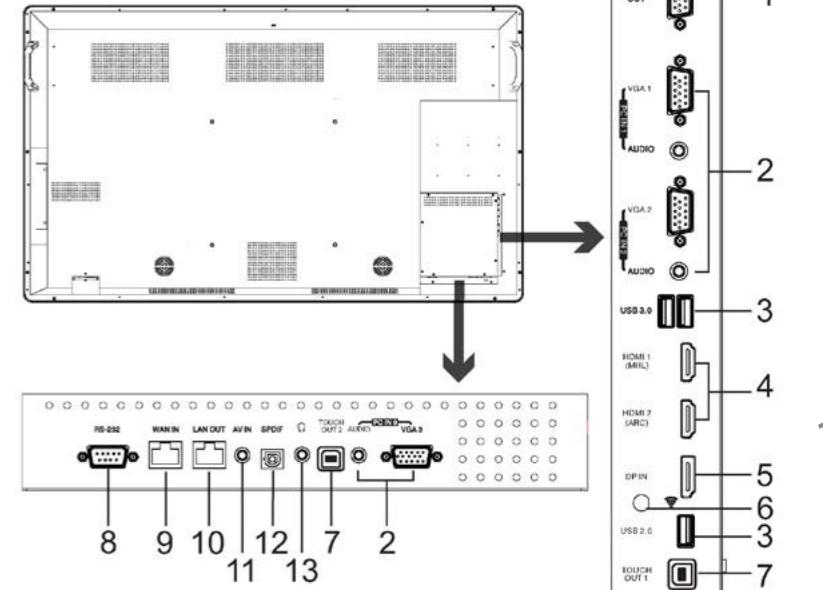| nr.		Description
1	USB(2.0)(for camera)	This port is connected to PC (internal OPS), but is changed to Android if current source is AV, USB or in home page. **Notes:** 1. Please open the dust cover before being used. 2. It can perfectly support camera's up to 720p.
2	Internal PC module slot	Insert the CTOUCH Easy air PC module (Optional)
3	Power LED	Red: In standby mode. White: In power on mode.
	Remote control sensor	Aim the remote control towards this spot on the CTOUCH interactive display.
	Power	Press to turn on or off the CTOUCH interactive display. **Note:** When the CTOUCH interactive display is turned on, press the button in middle to show the navigation bar. Press the button for about 2 seconds and the screen will go into stand-by mode.
4		USB port for the CTOUCH interactive display Andriod-surrounding.
5		USB port for Easy air PC module. **Note:** If there is no Easy air PC module inserted, the USB port has no function.
6	AC IN	Plug the AC cord into this jack and into a power outlet. (AC 100-240V 50/60Hz)
7	Fuse	12A 250V
8	Power Switch	Press (I) to connect the power, press (O) to cut off the power. **Note:** Don't cover the power switch.

(CTOUCH Button: items 3)

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

nr.		Description
1	VGA OUT	Output of the currently selected PC IN 1/2/3 signal.
2	PC IN1/2/3	Connect the video/audio of a computer to these ports.
3	USB2.0/3.0	Connect USB devices to these ports.
4	HDMI1/2 INPUT	Connect an HDMI or DVI device to this HDMI socket. HDMI1(MHL): Connect a MHL- enabled device such as a smart phone to this jack to view the external device's screen on your screen. HDMI2(ARC): Connect an ARC-enabled home theater receiver to this jack.
5	DP(DisplayPort) INPUT	Connect an external device to DP socket.
6	📶 Antenna	WiFi antenna.
7	TOUCH OUT1/2	Output for external devices connected to PCx or HDMIx ports, which support touch systems. **Note:** TOUCH OUT 2 takes precedence over TOUCH OUT 1 in default. You can define it in the Lock menu.
8	RS232	For remote control of the CTOUCH interactive display.
9	WAN IN	The built-in router input port. Connects the external network.
10	LAN OUT	The built-in router output port. Connects to another computer or other internet enabled devices.
11	AV IN	Input port for composite video.
12	S/PDIF digital audio output	Connect a digital sound system to this S/PDIF socket..
13	🎧	Connect headphones to this jack. The current selected source is audible.

NOTE:
If the VGA or HDMI does not get any signal it will go into stand-by after two minutes. If there is no input on the AV it will go into stand-by mode after 10 minutes.
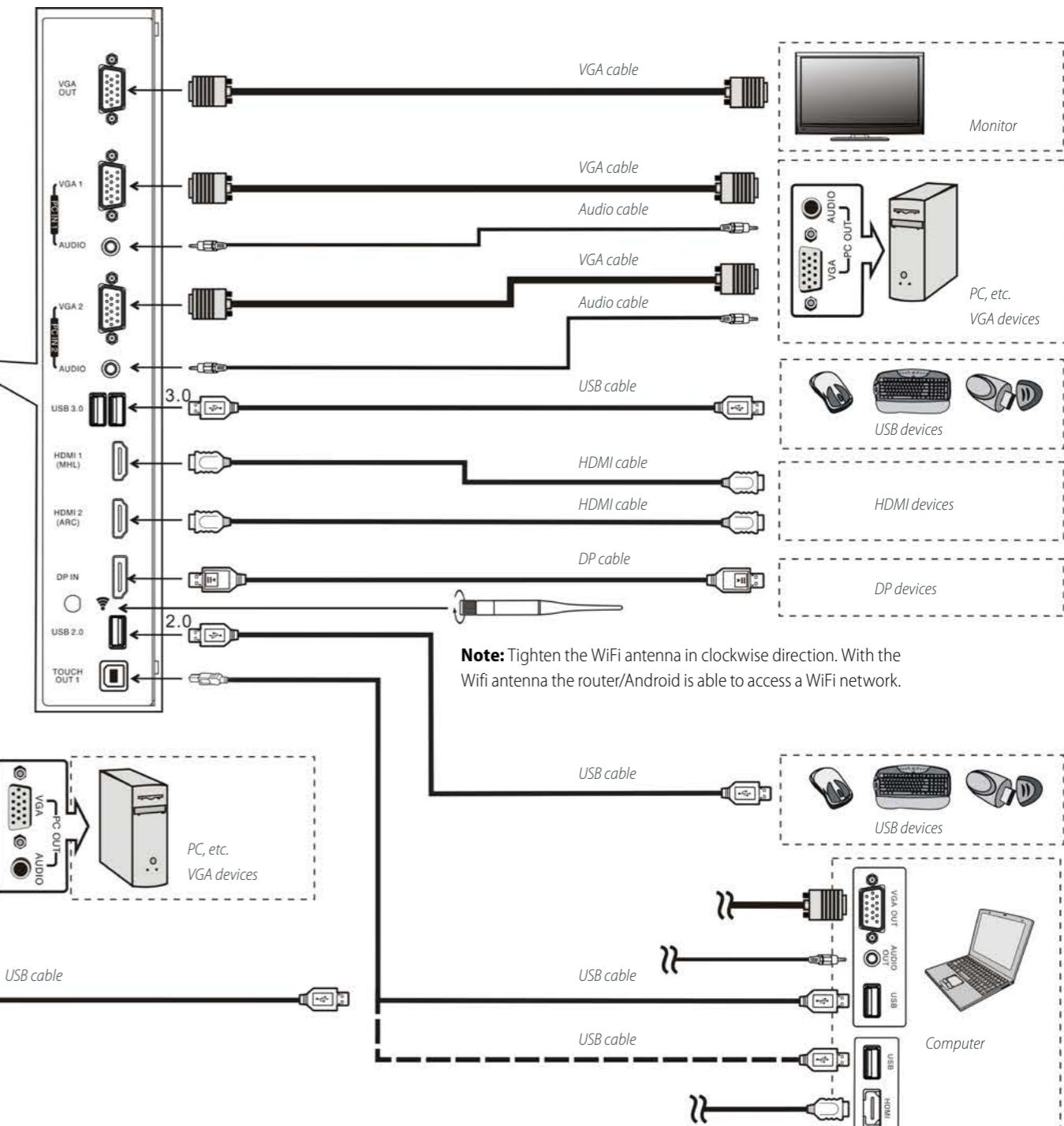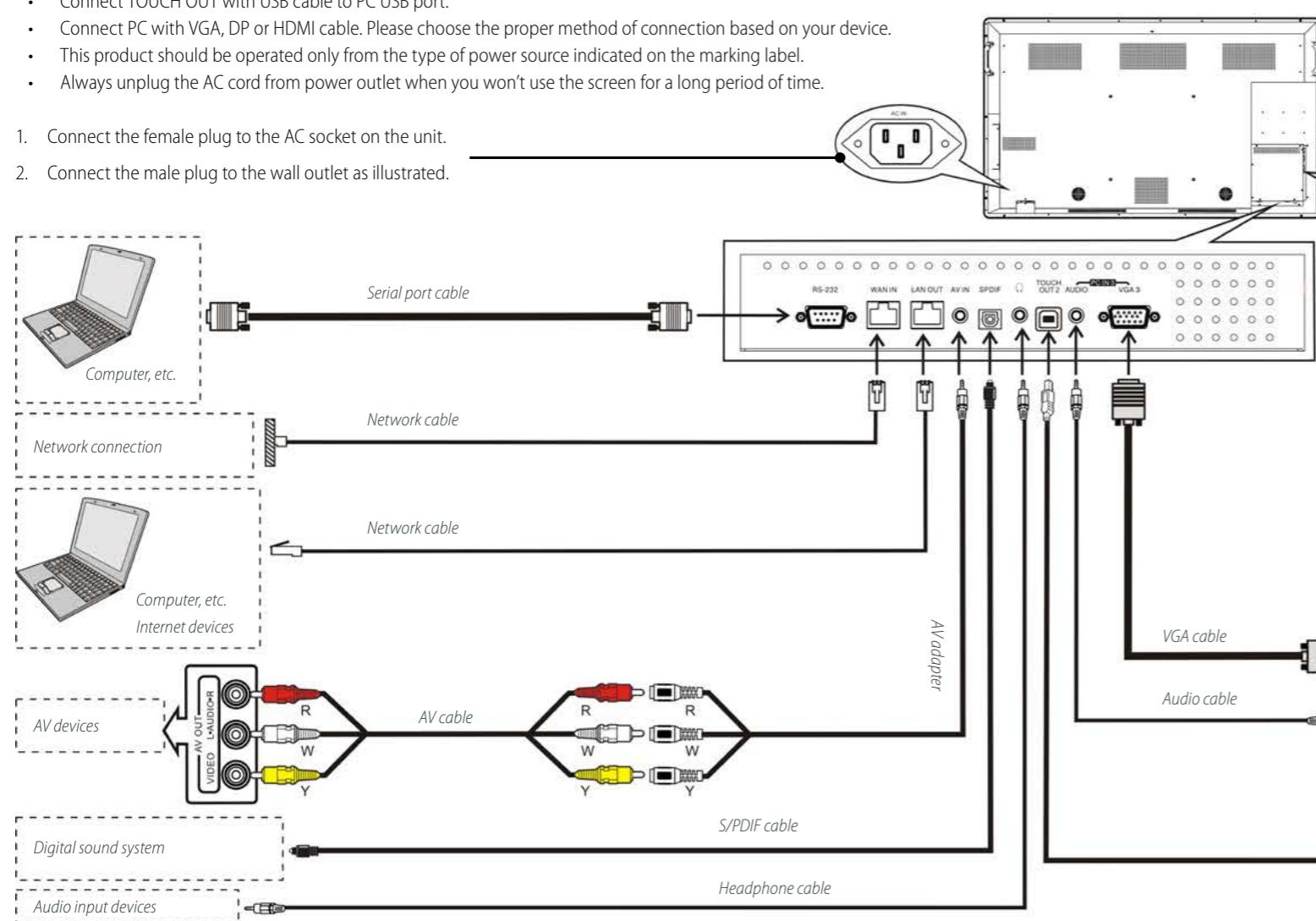
CAUTIONS BEFORE CONNECTING
- When connecting an external device to the CTOUCH interactive display, make sure that the CTOUCH and the external device are turned off.
- Check the plugs at the ends of the cables to make sure that they are the correct type before plugging them into the sockets on the CTOUCH interactive display.
- Make sure that all plugs are securely inserted into the sockets. Loose connections can result in image, colour or sound problems.
- The illustration of the external device may be different depending on your model.
- Refer to the operating manual of the external device as well.
- Before using headphones, adjust the device volume to avoid excessive volume, as hearing damage may result.
- The CTOUCH interactive display is designed with multiple USB port (3.0 or 2.0), if you want to connect a USB device, please select the appropriate port.
- Connect TOUCH OUT with USB cable to PC USB port.
- Connect PC with VGA, DP or HDMI cable. Please choose the proper method of connection based on your device.
- This product should be operated only from the type of power source indicated on the marking label.
- Always unplug the AC cord from power outlet when you won't use the screen for a long period of time.

1. Connect the female plug to the AC socket on the unit.
2. Connect the male plug to the wall outlet as illustrated.

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Note: Tighten the WiFi antenna in clockwise direction. With the Wifi antenna the router/Android is able to access a WiFi network.

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BASIC OPERATIONS

TURNING THE CTOUCH INTERACTIVE DISPLAY ON OR OFF

1. Plug the power cord into an AC power outlet.

2. Press Power Switch on the CTOUCH interactive display.

3. Now the CTOUCH is in standby mode. Wait a moment until the power indicator lights up, then press ⏻ button to turn on the CTOUCH interactive display.

IN CASE OF FIRST TIME INSTALLATION

a. Select desired menu language, then press START and go to the next page.

b. Select location and go to the next page.

4. Press ⏻ button again to turn the CTOUCH interactive display into stand-by mode.

5. To cut off the power completely, use the Power Switch.

OPERATING THE NAVIGATION BAR

Shortcuts of favorite application

🖥	Display menu	◁	Previous screen	✏	Annotation
🎚	Settings menu	◯	Homepage (Android Interface)	🔊	Volume bar
➡	Source menu	◻	Application history	👁	Turn off the backlight
ℹ	User Manual			▦	Applications list

DISPLAY MENU

ADJUSTING PICTURE MODE

Picture		
	Picture Mode	Select your favourite picture mode for each input
	Contrast	Adjust the contrast
	Brightness	Adjust the brightness
	Hue	Adjust the image hue (Only for NTSC system)
	Sharpness	Adjust the sharpness
	Saturation	Adjust the color saturation
	Backlight	Set up the overall brilliance of the screen
	Energy Save Mode	The backlight brightness is decreased
Screen	Clock	Adjust the screen size
	Phase	Adjust the focus of stable images
	H-Position	Move the image right or left
	V-Position	Move the image up or down
	Auto Adjust	Automatically adjust the image settings such as position and phase
	Color Temperature	Select the color temperature **Note:** If you select User, you can set the level of the red/green/blue as your desired
	Zoom Mode	Select the aspect ratio (display proportions), according to your video signal type or personal preference
	OverScan	Adjust the reproduction ratio, you may activate this function to obtain a cleaner picture
	Image NR	Turn on or off the noise reduction mode to reduce picture noise

ADJUSTING SOUND MODE

Sound		
	Sound Mode	Select your favourite sound mode for each input
	Bass	Adjust Bass (low frequency)
	Treble	Adjust Treble (high frequency)
	Balance	Adjust volume level of right and left speakers
	AVC (Automatic Volume Control)	Select [On] to equalize overall volume levels. Select [Off] to turn off the auto volume control
	Surround	Turn the surround sound effect on or off
	SPDIF Output (digital signal only)	Select the digital audio output mode for S/PDIF Select [RAW] to output audio signal as its original format Select [PCM] to output audio signal by PCM format
	SPDIF Volume	Adjust SPDIF volume

DISPLAY MENU

ADJUSTING SETTING MENU

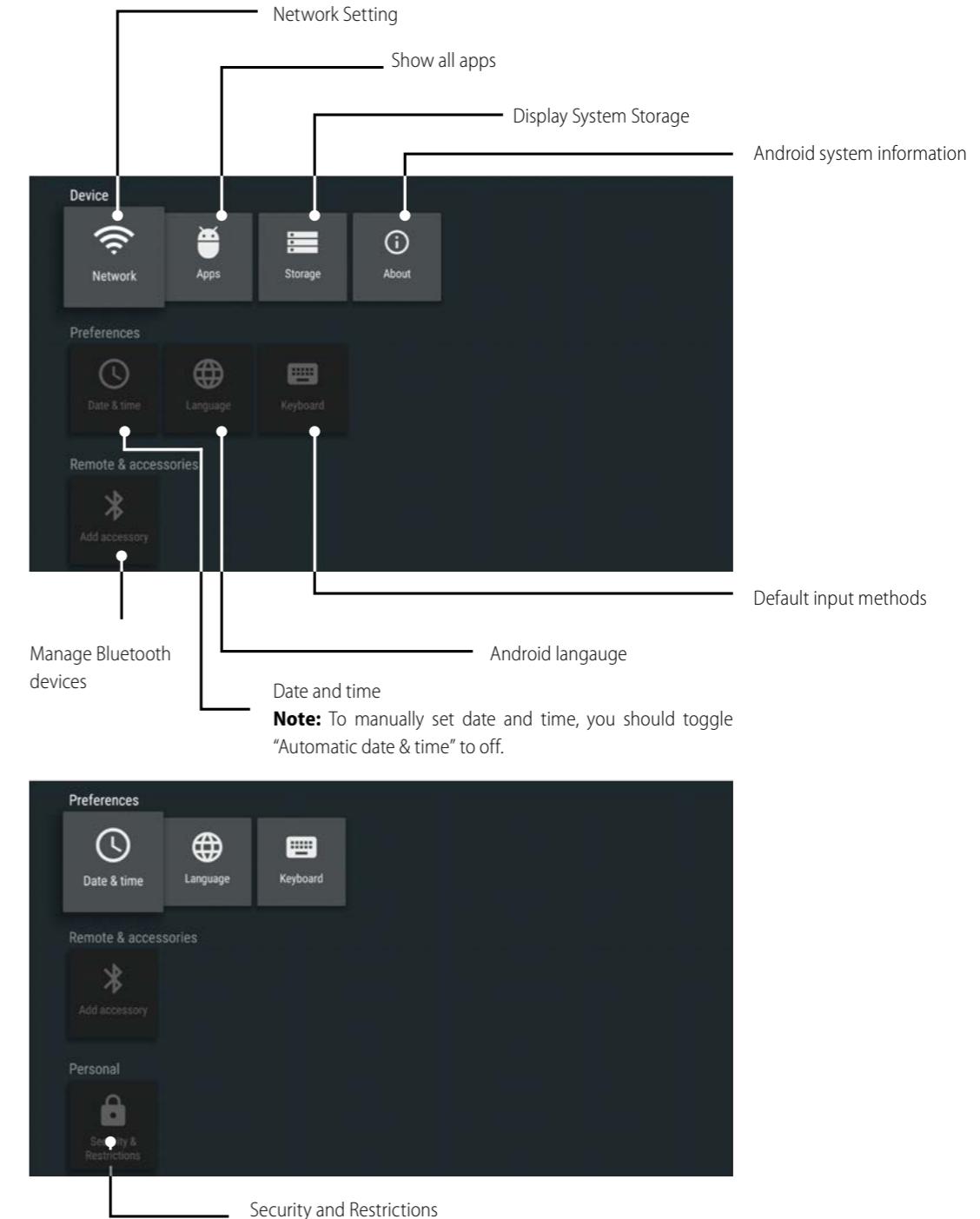| Setting		
	Source Auto Switch	Automaticly switch to active source
	Color Range	Select color range (Only for HDMI mode)
	HDMI EDID Ver.	Select HDMI EDID Ver.
	MHL Auto Switch	Select automatically switch to the MHL input when it is connected
	HDMI_ARC	Select HDMI_ARC
	Movie Mode	Turn on or off the movie mode
	Menu Timeout	Select OSD menu display time
	Date / Time	Display Date and Time
	Off Timer	Set the off timer
	On Timer	Set the on timer
	Sleep Time	Set the duration of time until the monitor automatically goes into Standby mode

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DISPLAY MENU

ADJUSTING LOCK MENU

The default password is 0000
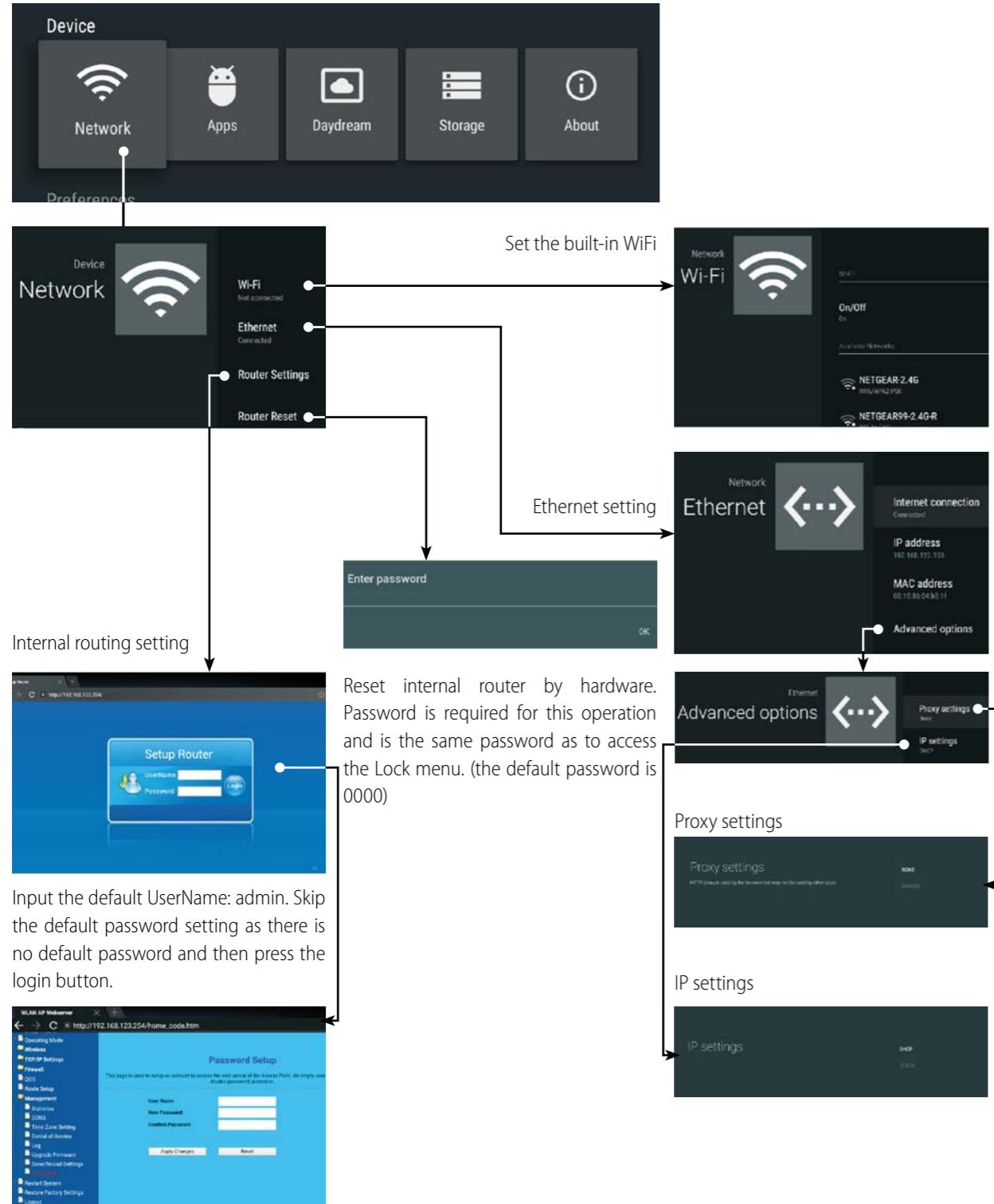
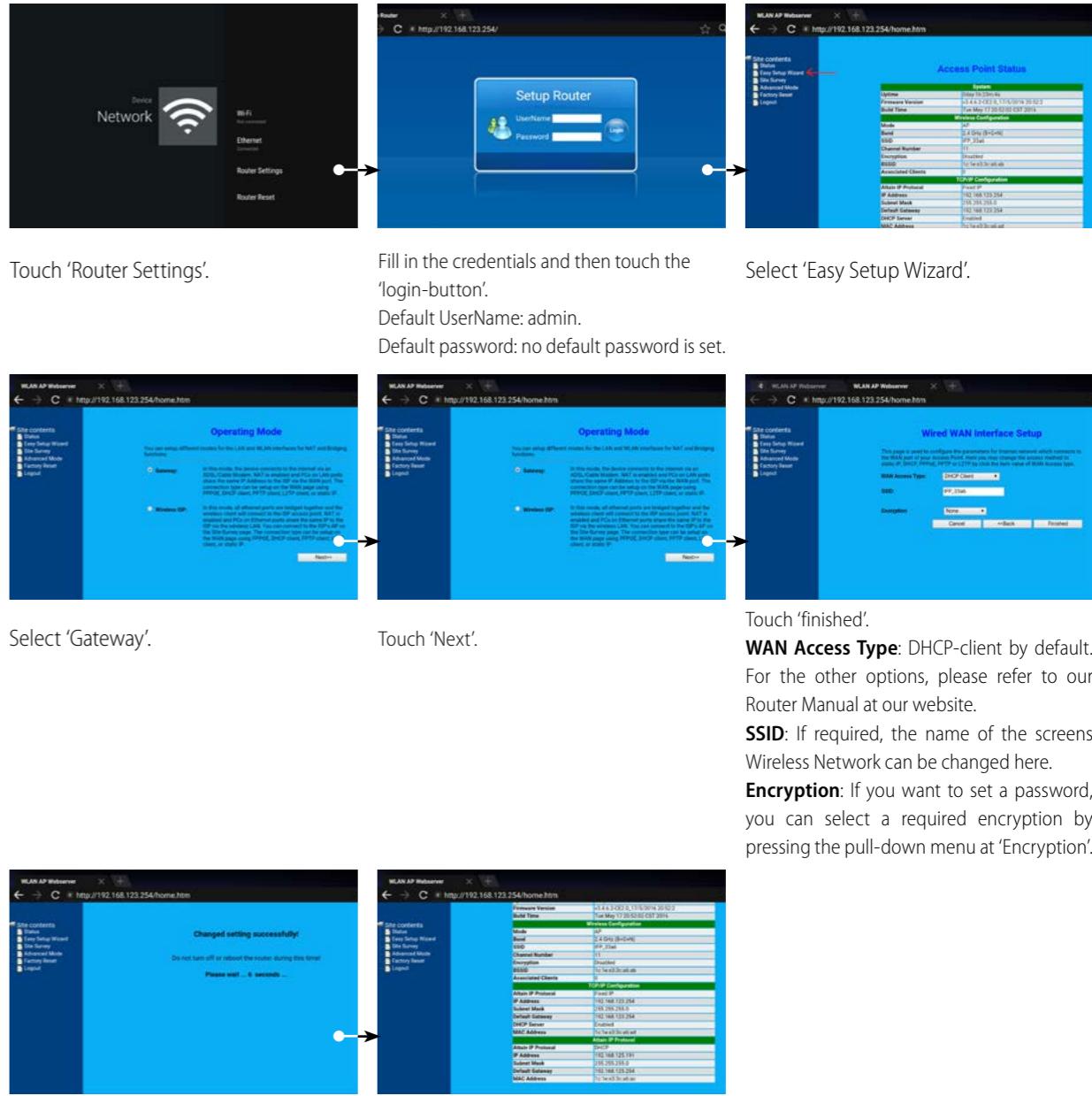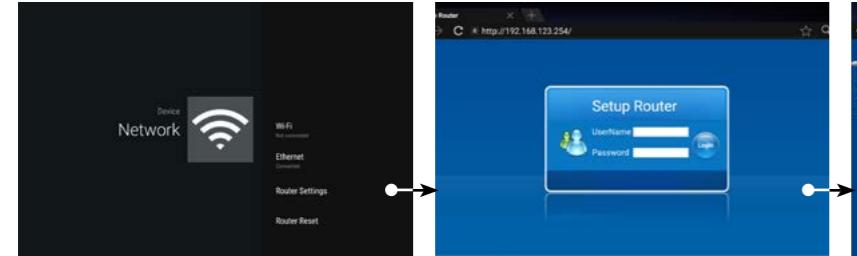|		
Lock	Lock Touch	Disable the function of the touch panel
	Lock CTOUCH button	Lock the functionality of the CTOUCH button.
	Float Menu	Turn on or off the float menu display
	Set Password	Change password settings for Lock Menu
	Change Logo	Change the startup logo of the display (by default CTOUCH logo)
	Change Wallpaper	Set wallpaper
	Power on Source	Memory mode: display will remember last source. Setting mode: display will start up on this source by default.
	Power on Volume	Power on Volume Setting
	Volume Settings	Memory mode: volume is remembered when screen shuts down. Settings mode: default volume when screen switches on.
Input Label	Source	Select the input source you want to label
	Label	Edit the label of the selected input source
	Reset	Reset labels to defaults
	System ID	Set the device ID **Note:** The ID must be in the range of 0-255, but 138 and 168 are unused ID, 0 is for broadcast.)
	TouchOut1 To	TouchOut is there to define which touch signal output belongs to which input.
	TouchOut2 To	E.g. if TouchOut1 is set to VGA1 it means the touch signal output from TouchOut1 belongs to the input from VGA1. When both ports are connected TouchOut2 has priority by default.
	Wake up by gesture	Touch the screen with two fingers to wake it up.
	Restore To Default	Reset all settings to factory defaults

SETTINGS MENU

Network Setting

Show all apps

Display System Storage

Android system information

Manage Bluetooth devices

Android langauge

Default input methods

Date and time
Note: To manually set date and time, you should toggle "Automatic date & time" to off.

Security and Restrictions

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NETWORK SETTINGS

Set the built-in WiFi

Internal routing setting

Input the default UserName: admin. Skip the default password setting as there is no default password and then press the login button.

Ethernet setting

Reset internal router by hardware. Password is required for this operation and is the same password as to access the Lock menu. (the default password is 0000)

Change the UserName and Password: Select Management and then Password.

Proxy settings

IP settings

NETWORK SETTINGS

Touch 'Router Settings'.

Fill in the credentials and then touch the 'login-button'.
Default UserName: admin.
Default password: no default password is set.

Select 'Easy Setup Wizard'.

Select 'Gateway'.

Touch 'Next'.

Touch 'finished'.
WAN Access Type: DHCP-client by default. For the other options, please refer to our Router Manual at our website.
SSID: If required, the name of the screens Wireless Network can be changed here.
Encryption: If you want to set a password, you can select a required encryption by pressing the pull-down menu at 'Encryption'.

Wait until the router is finished rebooting.

If your network is connected to the screen WAN-port, you should see an IP-address here.

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NETWORK SETTINGS

Wireless Network Setting (Internal router)
Method 1: Easy Set Wizard
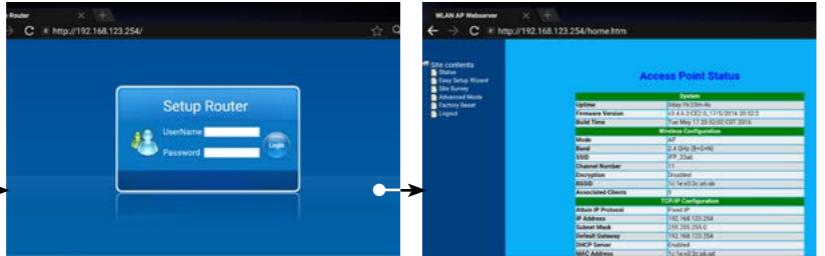
Wireless Network Setting (Internal router)
Method 1: Easy Set Wizard continue

NETWORK SETTINGS

Touch 'Router Settings'.

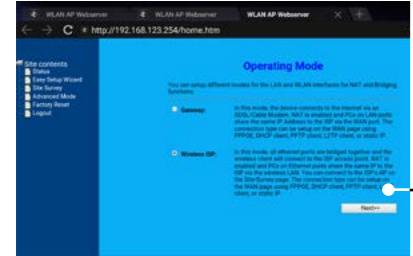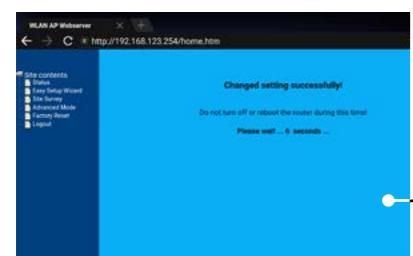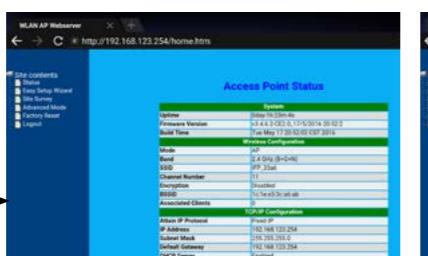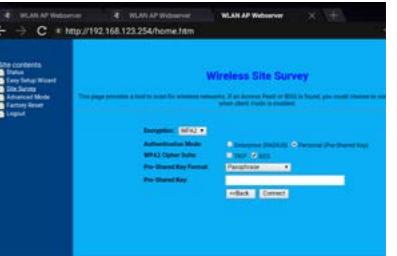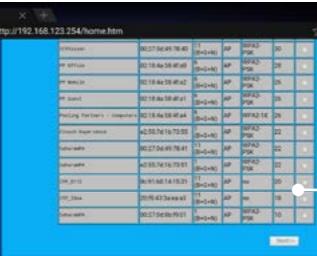Fill in the credentials and then touch the 'login-button'.
Default UserName: admin.
Default password: no default password is set.

Select 'Easy Setup Wizard'.

Select the Wireless Network you would like to connect with.

Touch 'Next'.

Enter the password of the selected Wireless Network.

Note: Make sure the Encryption corresponds with your Wireless Network.

Select 'Wireless ISP'.

Touch 'Next'.

Touch 'finished'.
WAN Access Type: DHCP-client by default. For the other options, please refer to our Router Manual at our website.
SSID: If required, the name of the screens Wireless Network can be changed here.
Encryption: If you want to set a password, you can select a required encryption by pressing the pull-down menu at 'Encryption'.
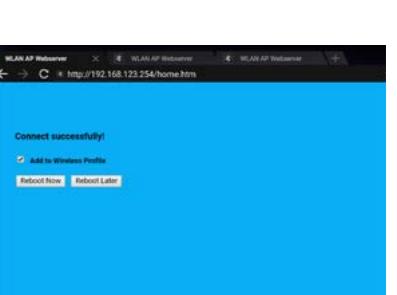
Touch 'Connect'.
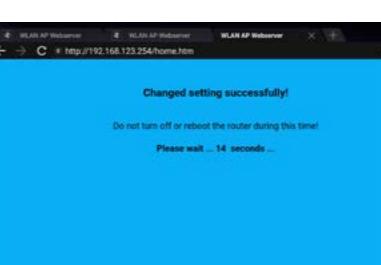
Wait until the changes have been saved.
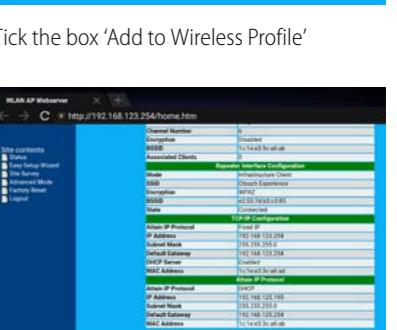
Tick the box 'Add to Wireless Profile'

Wait until the router is finished rebooting.
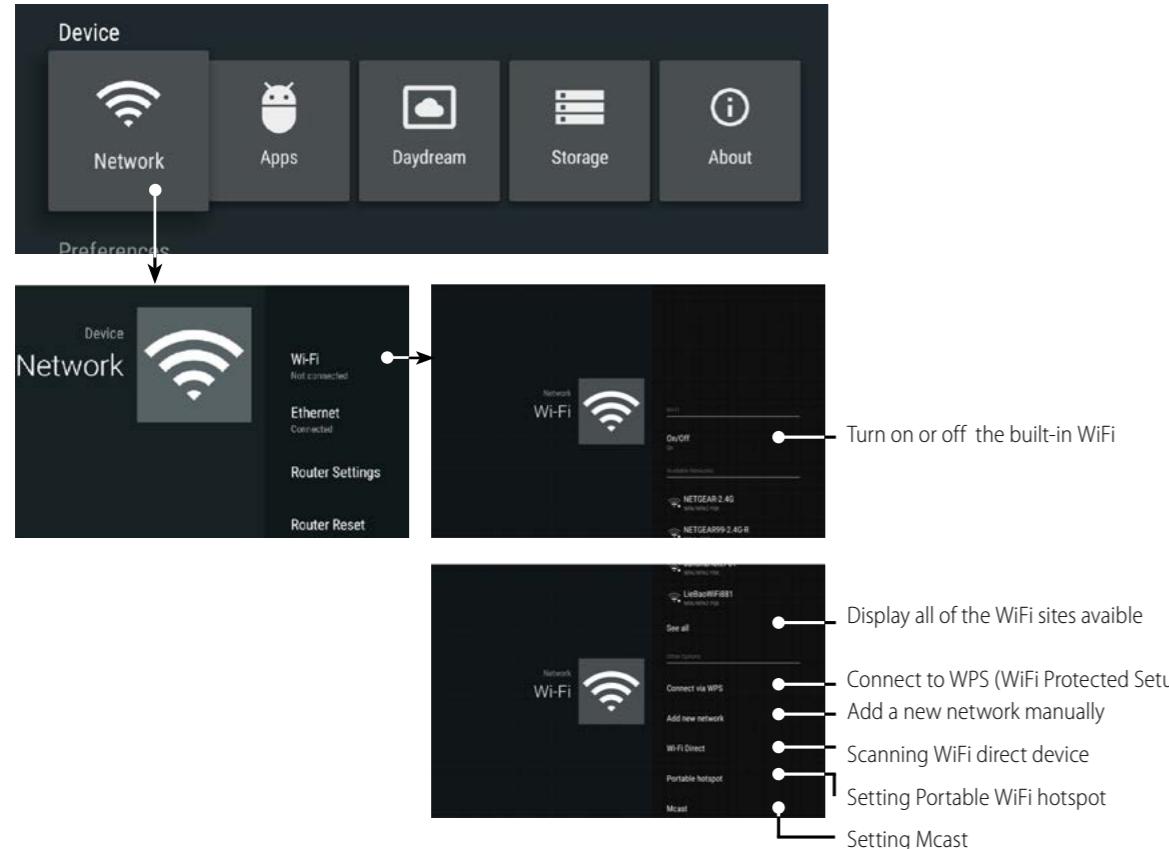
Select 'Site Survey'.

Touch 'Site Survey'.

Touch 'Reboot Now.

Wait until the router is finished rebooting.

If your network is connected to your Wireless Network you should see an IP-address here.

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NETWORK SETTINGS

Turn on or off the built-in WiFi

Display all of the WiFi sites avaible

Connect to WPS (WiFi Protected Setup) router
Add a new network manually
Scanning WiFi direct device
Setting Portable WiFi hotspot
Setting Mcast

TROUBLESHOOTING

If, after reading these operating instructions, you have additional questions related to the use of your CTOUCH interactive display, please call the services center in your local area. For contact information and full warranty conditions refer to www.ctouch.eu/warranty.
Before calling service, please check the symptoms and follow suggested solutions.

REMOTE CONTROL

Problem	Possible Solutions
Remote control does not operate	• Make sure the CTOUCH interactive display is switched on. • Check the orientation of the batteries. • The batteries could be weak. Replace the batteries.

VIDEO AND AUDIO

Problem	Possible Solutions
No picture (screen not lit) but no sound	• Make sure a (red or white) light is visible in the home button. • Press power on the CTOUCH interactive display or on the remote control. • Test another source.
Dark, poor or no picture (screen lit) but good sound	• Select a proper picture mode. • Adjust the brightness in the video setting. • Test another source.
No color, dark picture or abnormal color	• Adjust the color saturation in the video setting.
Good picture but no sound	• The sound may be muted. Press mute again to cancel.
Audio noise	• Communication problems may occur if infrared communication equipment (e.g., infrared cordless headphones) is used near the CTOUCH interactive display. Move the infrared communication equipment away from the CTOUCH until the noise is eliminated.

GENERAL

Problem	Possible Solutions
Some items can not be accessed	• If a setting option appears in gray, this indicates that the settings option is unavailable in current input mode. Some display menu items may be different when the unit works in different sources.
Remote control command is not working in some cases	• During the timing of USB device detection (i.e. when the CTOUCH interactive display is turned on with USB device connected, or when you plug in USB device during the working of the CTOUCH), the display may not react on remote control buttons in such case. Wait a moment before the remote control should function again.
Control buttons do not operate	• Turn of the screen, switch off the power switch, disconnect the power cord and wait a few seconds. Then re-plug the power cord and turn on the unit again.
Touch does not work	• If you use a Apple-device, please download the Mac-driver from our website.
Screen puts itself in stand-by mode as external device or Easy Air PC goes in sleeping mode.	• Change the energy settings/sleeping-mode of the external device or Easy Air PC.

Note: If your problem is not solved, turn off your unit and then on again.
Cautions: Never attempt to repair a defective CTOUCH interactive display yourself as it may affect the warranty..

SPECIFICATIONS

Model No.	CLAP-55FHDA5	CLAP-65FHDA5	CLAP-70FHDA5
Visible screen size	55inches (diagonal)	65inches (diagonal)	70inches (diagonal)
Power Source	AC 100-240V, 50/60Hz		
Current Max.	2.4 A	2.8 A	3.1 A
Power Consumption	160 W	255 W	280 W
Standby condition *	< 3 W	< 3 W	< 3 W
Number of pixels (Display panel)	1920×1080	1920×1080	1920×1080
Dimensions (W×D×H) (Unit: mm)	1297.6×113×781.6	1513.6×116×901.6	1628×115×968
Weigh	39.6 kg Net	58 kg Net	75 kg Net
Operating conditions	Operating temperature: 5℃ - 35℃, Storage temperature: -15℃ - 45℃, Storage humidity: 10% - 80% Operating humidity: 20 % - 80 % (no moisture condensation), Atmospheric pressure: 86kPa ~ 106kPa		

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Model No.	CLAP-65UHDA5	CLAP-75UHDA5	CLAP-86UHDA5
Visible screen size	65inches (diagonal)	75inches (diagonal)	86inches (diagonal)
Power Source	AC 100-240V, 50/60Hz		
Current Max.	2.8 A	5.2 A	6.5 A
Power Consumption	255 W	495 W	600 W
Standby condition *	< 3 W	< 3 W	< 3 W
Number of pixels (Display panel)	3840×2160	3840×2160	3840×2160
Dimensions (W×D×H) (Unit: mm)	1513.6×116×901.6	1735.6×108×1027.6	1994×127×1178
Weigh	58 kg Net	85 kg Net	106 kg Net
Operating conditions	Operating temperature: 5℃ - 35℃, Storage temperature: -15℃ - 45℃, Storage humidity: 10% - 80% Operating humidity: 20 % - 80 % (no moisture condensation), Atmospheric pressure: 86kPa ~ 106kPa		

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Connection terminals of the CTOUCH interactive display

AV IN	1
PC IN	3
VGA OUT	1
HDMI Input	2
DP Input	1
USB	4
WAN IN	1
LAN OUT	1
S/PDIF OUT	1
Headphone	1
RS232	1
TOUCH OUT	2

Note:
1. Design and specifications are subject to change without notice.
2. Weight and dimensions shown are approximate.
3. Specifications and external appearance may be changed for the sake of improvement.
* Due to different standby conditions, the standby power consumption of some models could be higher than 3W.

Subject to misprint, availability and (technical) modification.

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