



[promultis]
touch & gesture innovation

55" TOTEM FOCUS 2 INSTRUCTION MANUAL

Before connecting, operating or adjusting this product, please read the manual completely.
Please keep this manual for future reference.

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IMPORTANT SAFETY PRECAUTIONS



This symbol indicates that dangerous voltage instituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operation and maintenance instructions in the literature accompanying the appliance.

Electricity may cause personal injuries and property damage if handled improperly. The TOTEM 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 TOTEM, 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.
- NOTE:** Where the mains plug or an appliance coupler is used as the disconnected device, the disconnected device shall remain readily operable.
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.
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.
- e. If the product has been dropped or the cabinet has been damaged in any way.
- f. When the product displays an abnormal condition or exhibits a distinct change in performance. 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.

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. Stand---Use only with the trolley, stand or wall mount specified through CE/UL/GS safety certificate. or sold with the device. Do not place the product on an unstable trolley, stand. 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.

15. 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.

Careful move and be careful please, point of strength should not in display screen.

Never attempt to move the totem unless the AC power cord has been disconnected.

16. 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, and the like.

The apparatus should not be exposed to dripping or splashing liquids and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

IMPORTANT SAFETY PRECAUTIONS

17.Clean only with dry cloth---Unplug the device from the power before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a soft cloth for cleaning.

18.Ventilation---Do not block any ventilation openings. Install the totem in accordance with the manufacturer instructions. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. This product is not designed for built-in installation, therefore do not place the product in an enclosed space, unless proper ventilation is provided or the manufacturer's instructions are followed.

It should have interspace around the product and the wider it has the heat dissipation is better. Suggest up>10cm, around>10cm and back >2.5cm.

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

20.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.

Do not use hard or sharp object to take place of special pen when write in the screen.

Wipe the screen from one side to the other carefully till it looks completely clean. Do not flailing in all directions.

21.Pixel defect---The display panel 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. Please note that this does not affect the performance of your product.

22. Increase children's awareness of danger caused by falling down of the totem, or being hurt by bumping into the totem.

WARNING:

- For continued safety, device with class I construction shall be connected to a mains socket outlet with a protective earthing connection.
- To prevent the spread of fire, keep candles or other open flames away from the totem at all times.

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.



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 to near a heater or in high humidity, as this may cause the cabinet to deform and the totem to malfunction and affect the totem's performance.
- 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 avoid possible condensation.
- Environment condition:
 - Operating temperature: 5°C – 35°C
 - Operating humidity: 20% – 80% (no moisture condensation)
 - Storage temperature: -15°C – 45°C
 - Storage humidity: 10% – 80%
 - Atmospheric pressure: 86 kPa ~106 kPa

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 the 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.

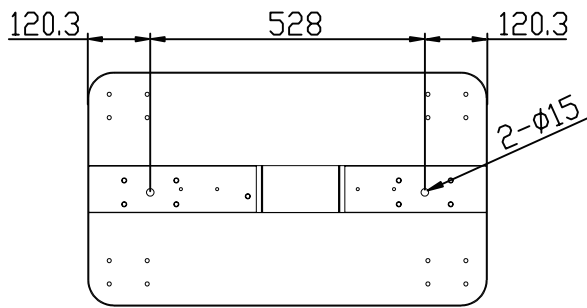
- Do not allow a still picture to be displayed for an extended period of time, as this can cause a permanent after-image to remain on the screen. Examples of still pictures include logos, video games, computer images and teletext.

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.
- This product is not designed to display fixed images for extended periods of time.

GETTING STARTED

Fastening the totem



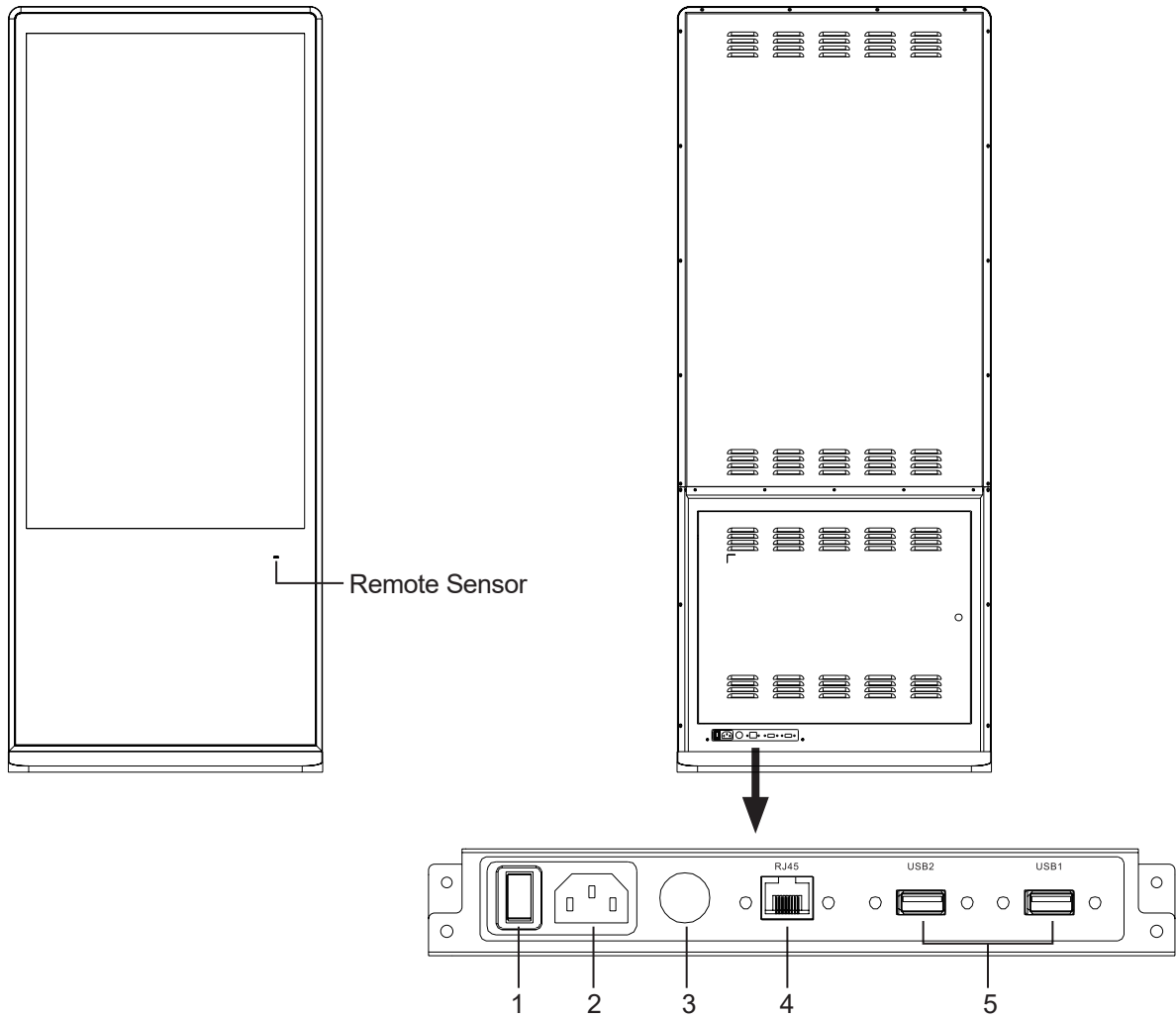
The totem must be secured to building structure before operation.

1. As illustrated in figure, positioning 2 holes on the earth and drill the holes at the corresponding position.
2. The diameter of the hole on the earth should be smaller than the diameter of the screw.
3. Fit the two fastening screws, fastening the totem to earth.

Notes:

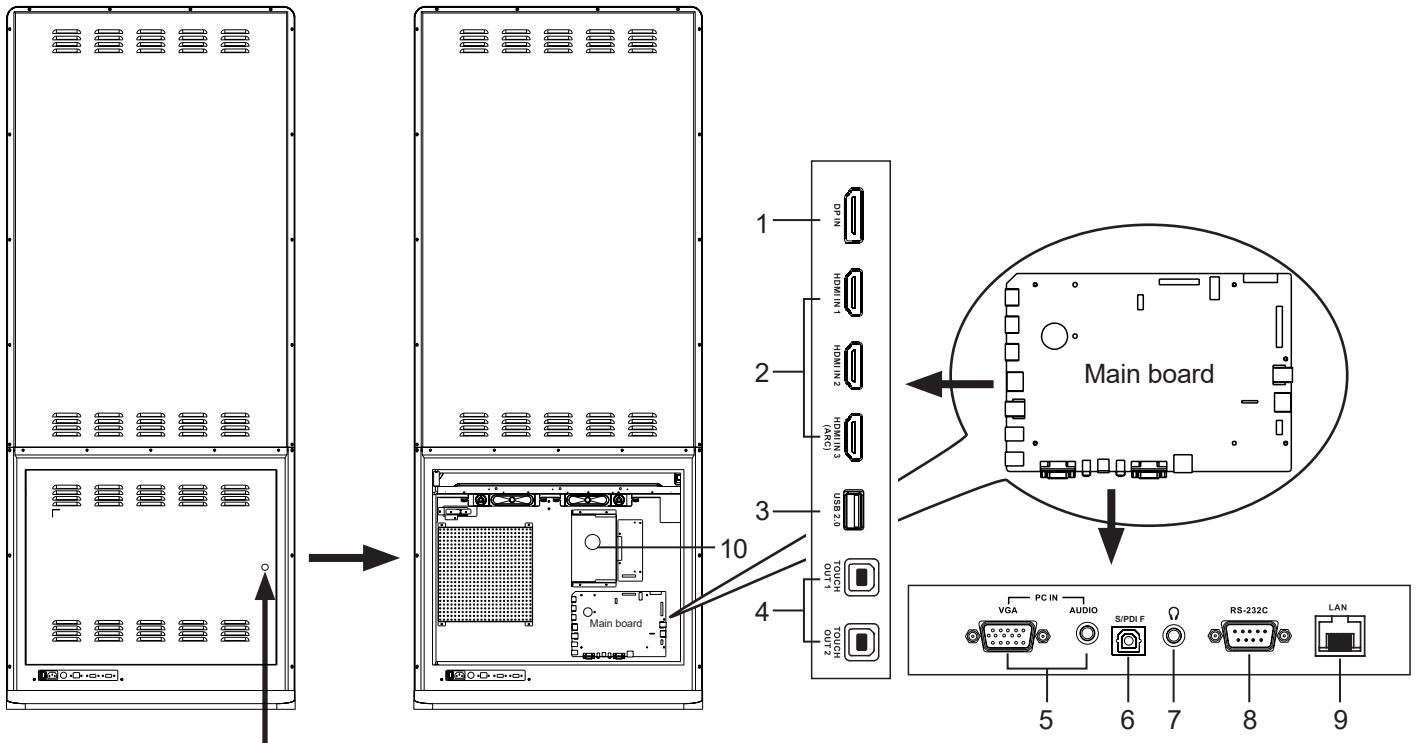
1. The appearance of this product in these illustrations may differ from your actual product, and is for comparative purposes only.
2. We may change the design and specifications without notice.

IDENTIFICATION OF CONTROLS



1	Power Switch	Push (I) to connect the power, push (O) to cut off the power. Note: Don't cover the power switch.
2	AC IN	Plug the AC cord into this jack and into a power outlet. (AC 100-240V 50/60Hz)
3	Fuse	10A 250V
4	RJ45	Connects the external network or the router.
5	USB 1/2	Connect USB devices to this port. (DC 5.0V/0.5A)


IDENTIFICATION OF CONTROLS



Open the door with the key.

Notes:

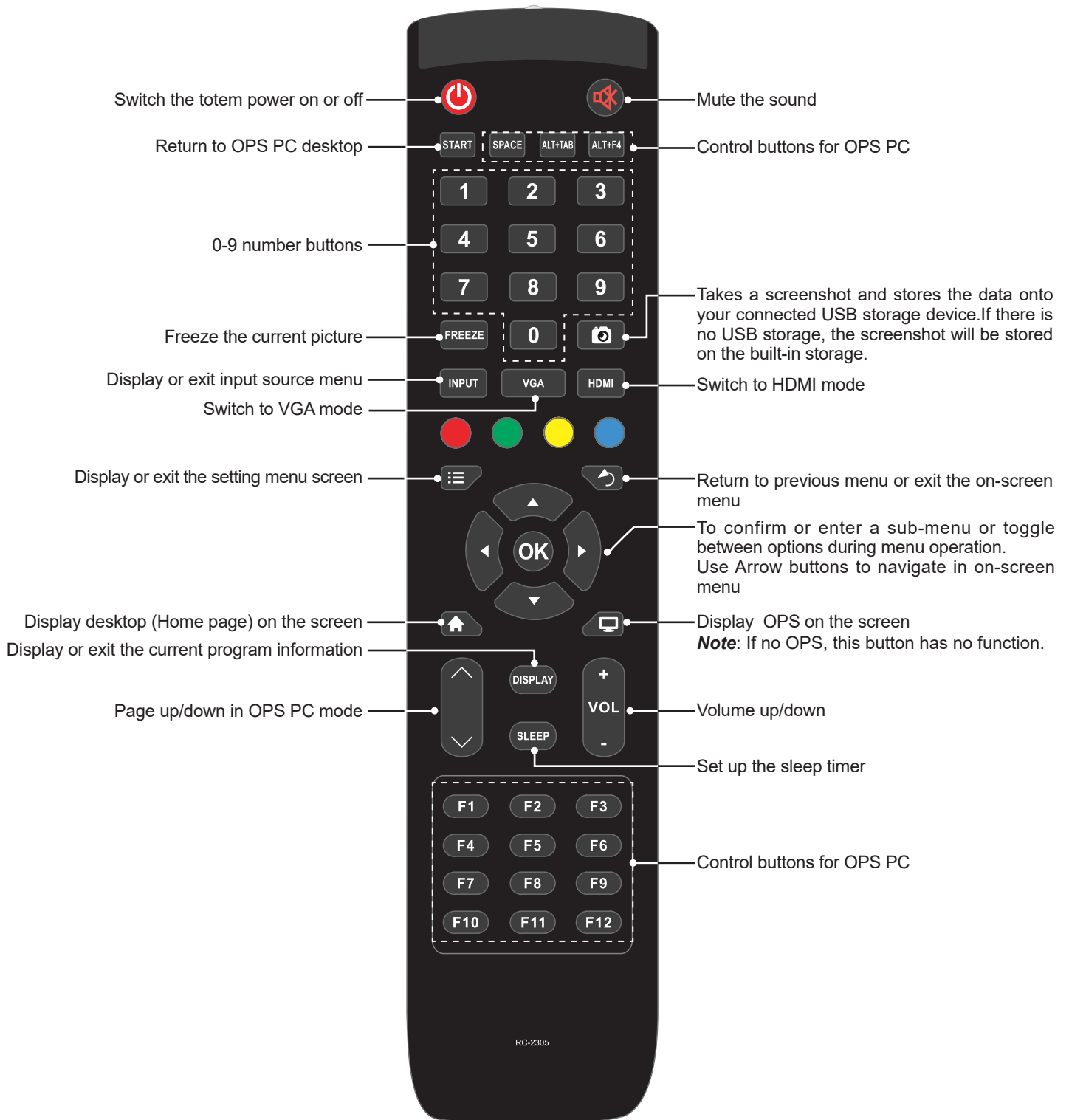
1. Cut off power before opening the door.
2. Make sure that the door is locked before turning on power.

1 DP(DisplayPort) INPUT	Connect an external device to DP out jack.
2 HDMI IN 1/2/3	Connect an HDMI or DVI device to this jack. HDMI IN 3(ARC): Connect an ARC-enabled home theater receiver to this jack.
3 USB 2.0	Connect USB devices to this port for Android. Note: It must be used if you upgrade software.
4 TOUCH OUT 1/2	Connect an external device to support touch control of the external device on the totem. Note: Touch out 1 corresponds to the HDMI 1, Touch out 2 corresponds to the HDMI 2, HDMI 3, DP or VGA.
5 PC IN	Connect the video/audio of a computer to these ports.
6 S/PDIF digital audio output	Connect a digital sound system to this jack.
7 	Connect headphones to this jack.
8 RS232	For remote control, service and other uses.
9 LAN IN	Connects the external network or the router.
10 OPS module slot	Insert an OPS module (Optional).




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.

REMOTE CONTROL




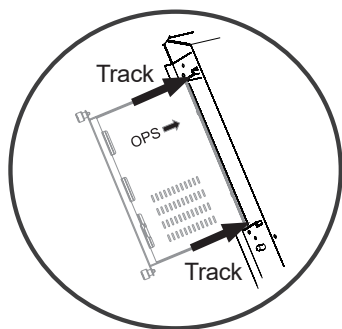
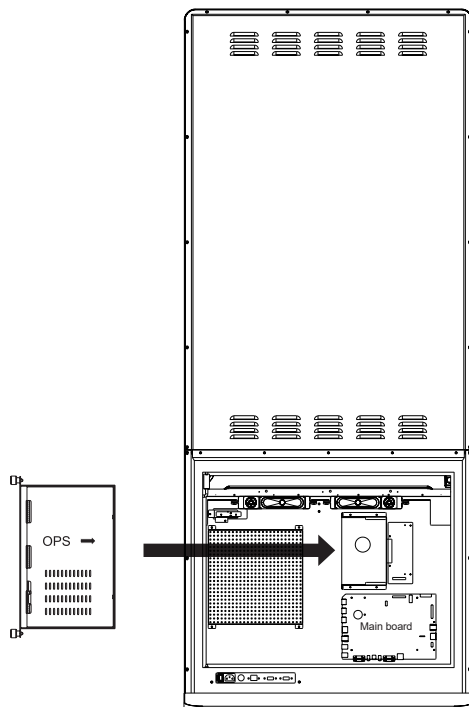
NOTES:

- This operation manual provides a description based on operating functions with the remote control.
- In different mode, some buttons may have different function.
-  , positioning of cell for non-rechargeable carbon-zinc batteries used for remote control device.

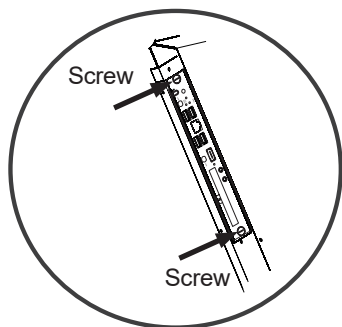
INSTALLATION

Installation of the OPS

 **Warning:** Please cut off power before the OPS can be plugged in and out, no hot plug.



1. Insert the OPS into the slot along the track on both sides.

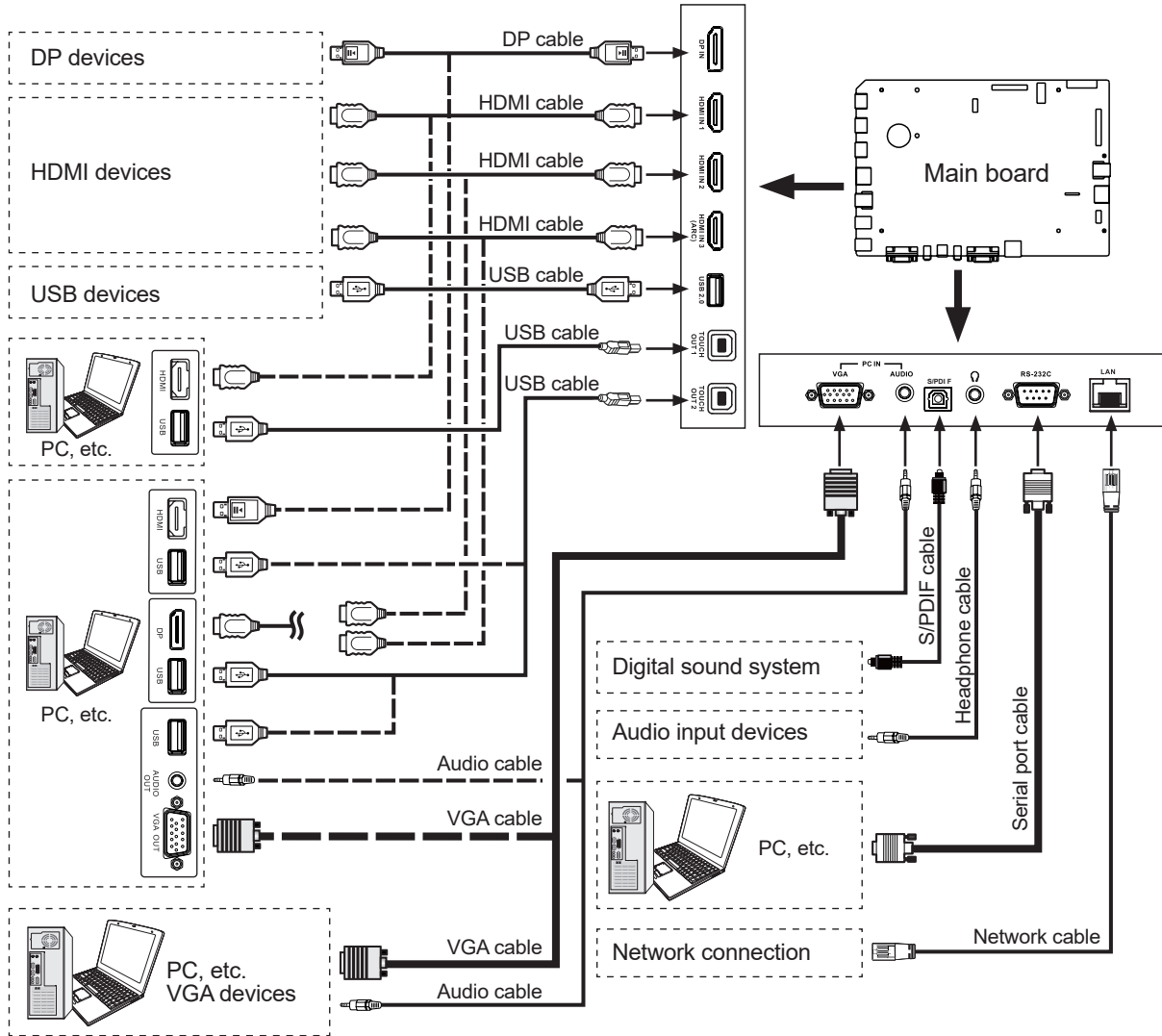


2. Fasten the OPS with two screws provided on the side frame.

CONNECTIONS

Cautions Before Connecting

- When connecting an external device to the totem, make sure that the totem 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 jacks on the totem.
- Make sure that all plugs are securely inserted into the jacks. Loose connections can result in image or color 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.



Connect TOUCH OUT with USB cable to PC USB port.

Connect PC with VGA cable, HDMI cable or DP cable. Please choose the proper method of connection based on your device. (Only for PC, HDMI, DP signal)


Touch out 1 corresponds to the HDMI 1, Touch out 2 corresponds to the HDMI 2, HDMI 3, DP or VGA.



Notes:


1. After installation of the driver, it can control the external computer by native touch control.
2. Before using headphones, adjust the device volume to avoid excessive volume, as hearing damage may result.

BASIC OPERATIONS

Turning the totem on or off

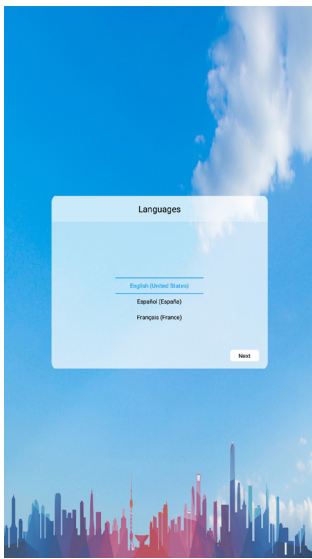
1. Plug the power cord into an AC power outlet.
2. Press Power Switch on the totem.
3. Now the totem is in standby mode. Wait a moment until the power indicator lights up, then press  button to turn on the totem.

Note: Be sure to wait for a few seconds before pressing  button. If you promptly press  button then the totem may not respond or act wrongly.

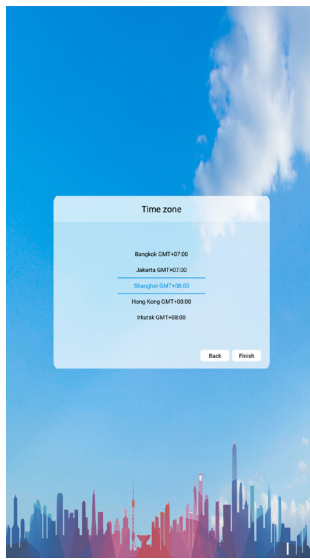
4. Press  button again to turn off the totem and put the totem in standby mode.
5. To cut off the power completely, press Power Switch on the back of the totem.

FIRST TIME INSTALLATION

When turning on the screen for the first time, the below shown installation menu pages will appear on the screen.



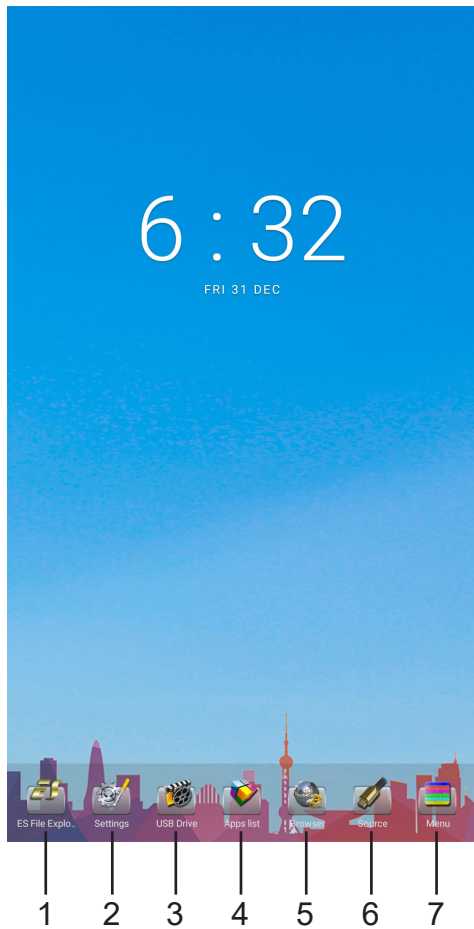
Select the desired menu language.
Press **Next** to go to the next page.



Select your Time Zone and press
Finish to finish the installation.

BASIC OPERATIONS

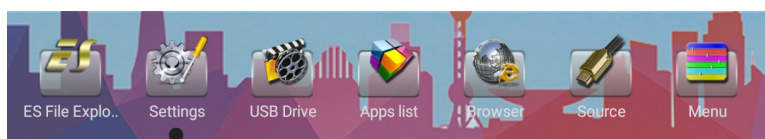
Home page (Android)



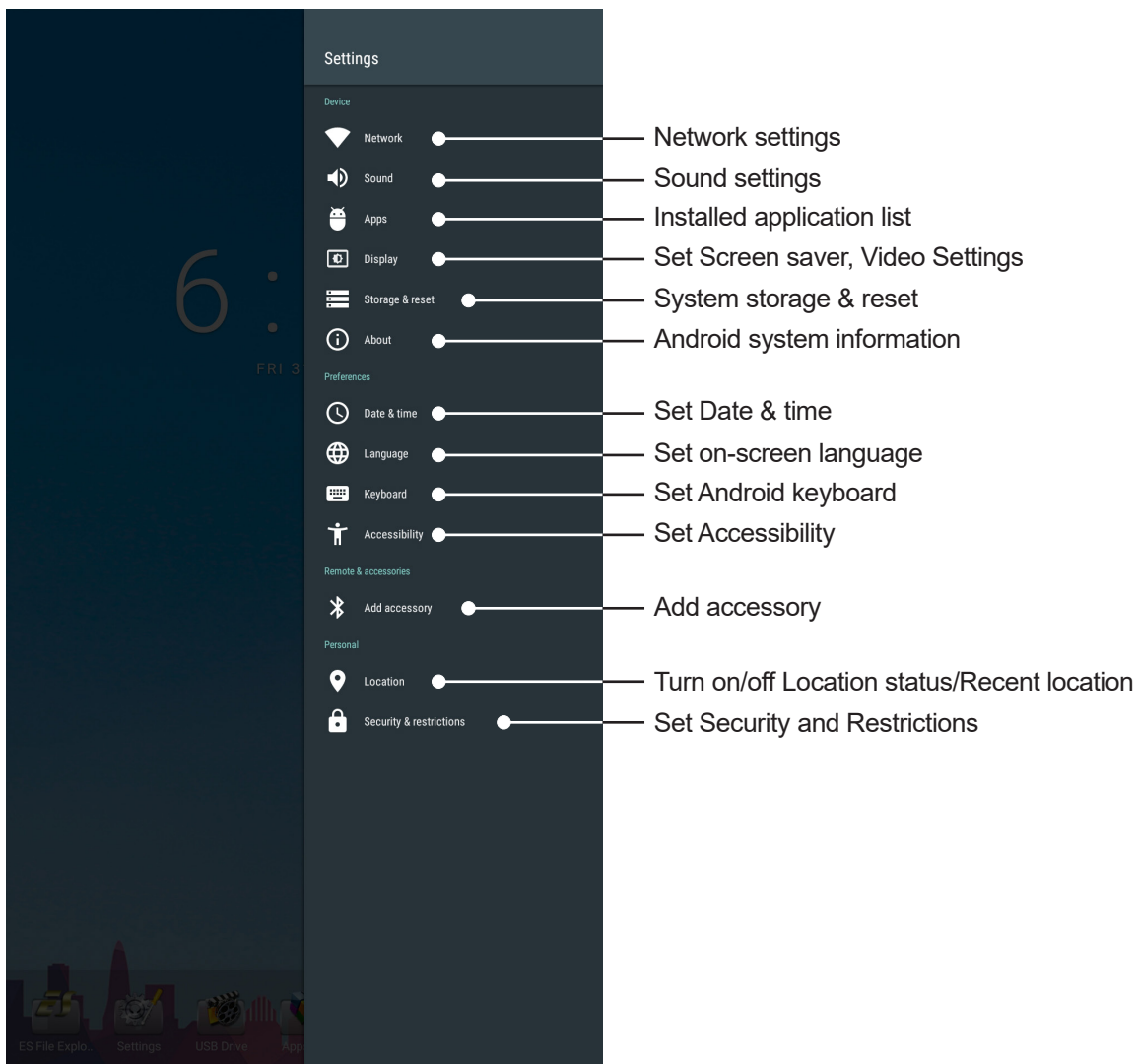
1. ES File Explorer
2. Settings menu (Mainly for network, Date&Time, and Language setting)
3. Go to USB Drive
4. Installed application list
5. Go to Web Browser
6. Input source
7. User menu (the settings option is unavailable in Android)

SYSTEM SETTINGS

Settings menu



Click to entry Settings menu



The screenshot shows the Android Settings application. The left sidebar displays the time '6:00' and the date 'FRI 3'. The main content area is divided into several sections:

- Device**
 - Network: Network settings
 - Sound: Sound settings
 - Apps: Installed application list
 - Display: Set Screen saver, Video Settings
 - Storage & reset: System storage & reset
 - About: Android system information
- Preferences**
 - Date & time: Set Date & time
 - Language: Set on-screen language
 - Keyboard: Set Android keyboard
 - Accessibility: Set Accessibility
- Remote & accessories**
 - Add accessory: Add accessory
- Personal**
 - Location: Turn on/off Location status/Recent location
 - Security & restrictions: Set Security and Restrictions

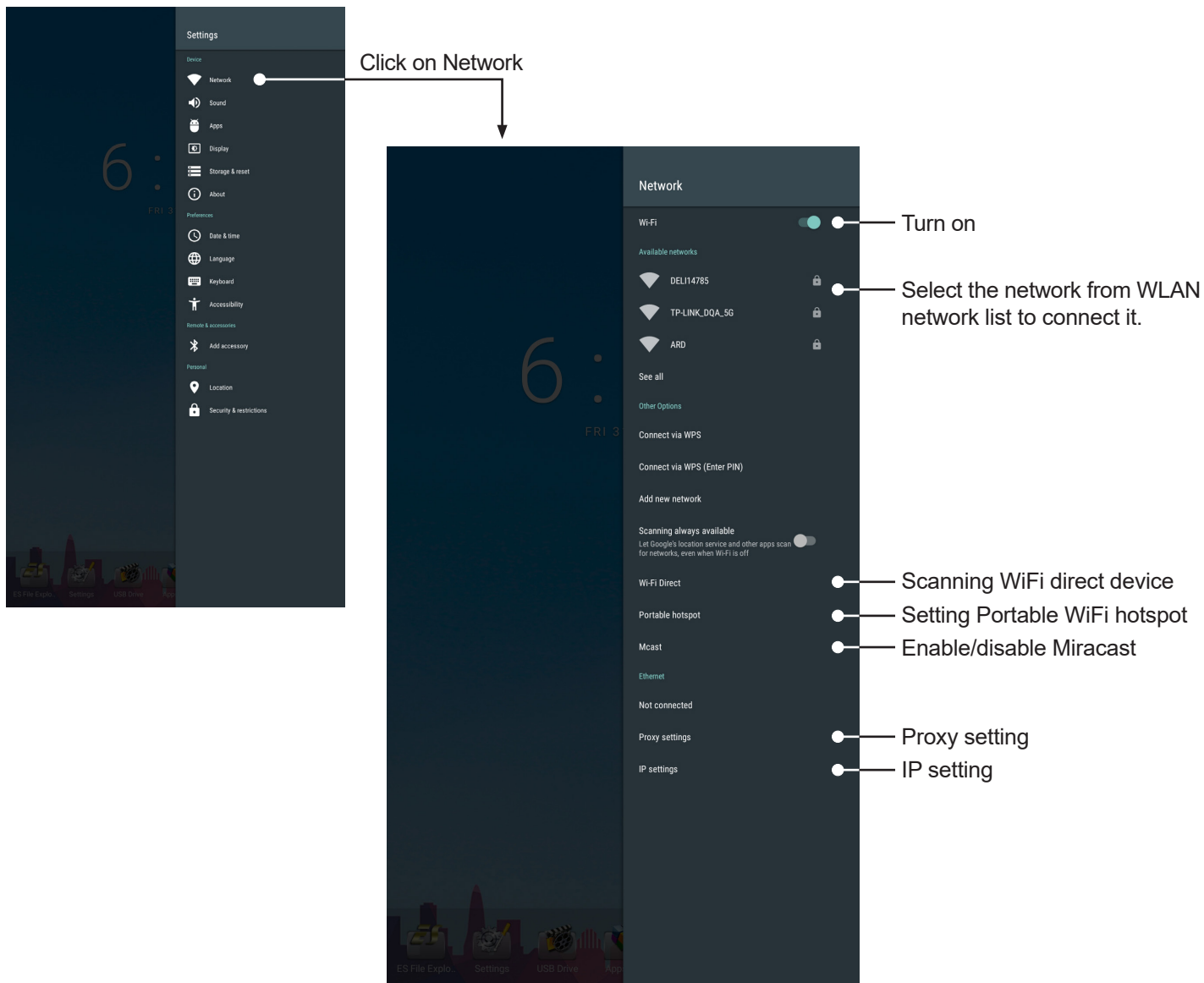
SYSTEM SETTINGS

Network Setting

Ethernet: Plug the LAN-cable into the RJ45-port, the totem will be get an IP address automatically and connect to the internet.

WiFi: Turn the WiFi on. Select the network from WLAN network list to connect it.

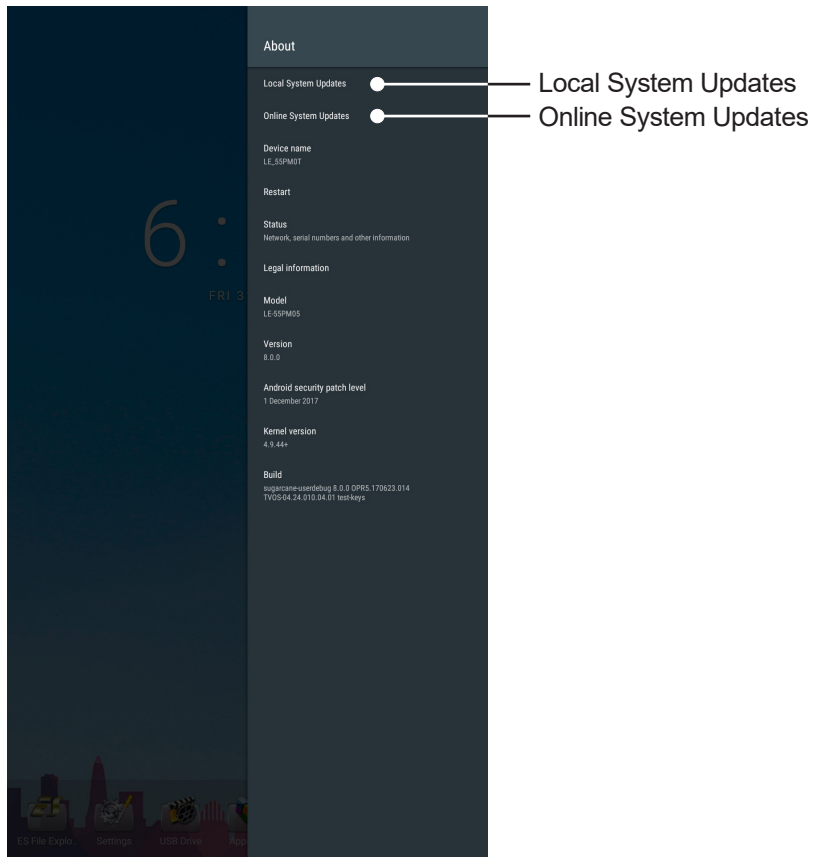
Note: Once the totem is connected to the WLAN network successfully then whenever the network is available, the totem will be reconnected to the network without entering the password.



SYSTEM SETTINGS

System update

Click to entry About and select system updates (Local, Online).



File Explorer

Notes:

- Never remove the USB storage device or turn off the totem while using the USB storage device.
- It is recommended that you back-up your USB device data.
- Certain types of USB devices may not be compatible with this totem, please change another.
- Please use only a USB storage device which was formatted as a FAT32 file system.

Function

- Favorite
- Local
- Library
- Network
- Tools
 - Download Manager
 - System Manager
 - SD Card Analyst
 - Music Player
 - Hide List
 - Cleaner
 - Recycle Bin
 - Show icon on folder
 - Root Explorer
 - Gesture
 - Show hidden files
 - Thumbnails

Click to entry function menu

Click to entry File Explorer

Click to select storage

Double click to open folder of file. Press and hold to show the file management tool.

	Exit	Click to exit file manager.
	Theme	Click to change the theme.
	Settings	Click to entry setting menu page.
	New	Click to add file or folder.
	Search	Click to search file or folder.
	Refresh	Click to refresh file status.
	Cleaner	Click to clean not necessary file.
	More	Click to show more functions.

	Copy	Click to copy file.
	Cut	Click to cut file.
	Delete	Click to delete file.
	Rename	Click to rename file.
	Paste	Click to paste file.

USER MENU LIST

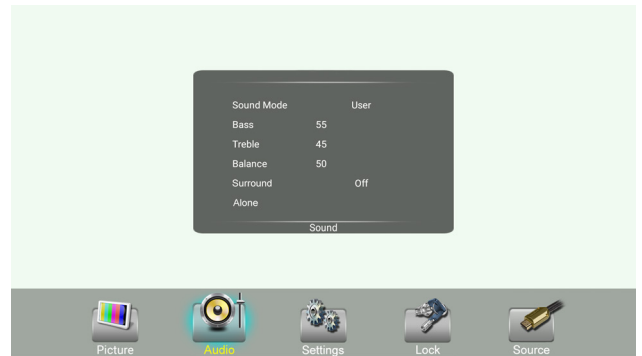
Picture	Picture mode	Select picture mode.	
	Contrast	Adjust the contrast.	
	Brightness	Adjust the brightness.	
	Hue	Adjust the image hue. (Only for NTSC system)	
	Sharpness	Adjust the sharpness.	
	Saturation	Adjust the color saturation.	
	Flicker Free	Turn on/off the Flicker function.	
	Back Light	Set up the overall brilliance of the screen. The Flicker select off, you can set the level of the Backlight as your desired.	
	Screen	Clock	Adjust the screen size.
		Phase	Adjust the 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.	
Blue Light Filter	Reduce the bluelight disturbance to sight, protect sight health. The Color temperature select User, you can set the level of the Blue Light Filter as your desired.		
Zoom Mode	Select the aspect ratio (display proportions) according to your video signal type or personal preference.		
Over Scan	Adjust the reproduction ratio, you may activate this function to obtain a cleaner picture.		
Noise reduction	Select the noise reduction mode to reduce picture noise.		
ECO Mode	Select energy save mode.		



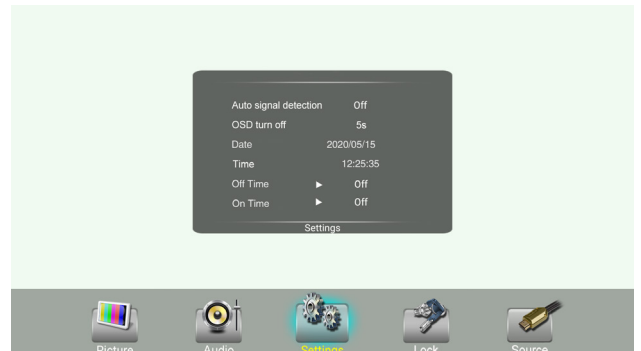
Note: If a setting option appears in gray, this indicates that the settings option is unavailable in current input source.

USER MENU LIST

Audio	Sound Mode	Select sound mode.
	Bass	Adjust Bass (low sounds).
	Treble	Adjust Treble (high sounds).
	Balance	Adjust volume level of right and left speakers.
	Surround	Turn the Surround sound effect on or off.
	Alone	Turn off the picture on your totem and listen to the program audio only.



Settings	Auto signal detection	Select On to automatically recognition source.
	OSD turn off	Select OSD menu display time.
	Date	Display the date.
	Time	Display the current time.
	Off Timer	With Off Timer function On, the totem will automatically turn off at a preset time.
	On Timer	With On Timer function On, the totem will automatically turn on at a preset source at a preset time.
	Boot on source	MEMORY mode: display will remember last source. Setting mode: display will start up on this source by default.
	No Signal Standby	Set the time for no signal standby time.
	HDMI EDID Version	Select HDMI EDID Ver.
	HDMI ARC	Turn on/off enable HDMI ARC.



Lock	Set Password	Password settings.
	Touch Lock	To disable the function of the touch panel.
	Boot On Logo	Change the startup logo of the display. Notes: 1. Before setting the logo, save the logo picture (should be "JPEG" format and size <512KByte) you want to use on root of USB disk and named "boot0.jpg". 2. Insert the USB disk into the USB port on the Android board.
	Factory reset	Reset all settings to factory defaults.



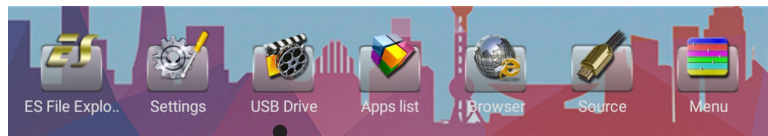
The default password is 0000. The unit provides a super password 2580.

USB Multimedia Player


- Insert the USB drive with multimedia content including photo, movie and music.
- Switch the input source to USB mode.

Notes:

- Never remove the USB storage device or turn off the totem while using the USB storage device.
- It is recommended that you back-up your USB device data.
- Certain types of USB devices may not be compatible with this totem, please change another.



Click to entry USB Drive



Exit USB multimedia

Select browse format

All: Select to show all files so that you can easily select any file to play.

Picture: Select to view compatible photos

Song: Select to play compatible music

Video: Select to play compatible video

To select and play files from different sources.
(local disk device (USB device), network SAMBA device)

TROUBLESHOOTING

If, after reading these operating instructions, you have additional questions related to the use of your totem, please call the services center in your local area.

Before calling service, please check the symptoms and follow suggested solutions.

Remote Control

Problem	Possible Solutions
Remote control does not operate	<ul style="list-style-type: none"> ● Make sure the power cord is plugged in. ● 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	<ul style="list-style-type: none"> ● Make sure the power cord is plugged in. ● Press POWER on the Totem or on the remote control. ● Test another source.
Dark, poor or no picture (Screen lit) but good sound	<ul style="list-style-type: none"> ● Select a proper picture mode. ● Adjust the brightness in the video setting. ● Test another source.
No color, dark picture or abnormal color	<ul style="list-style-type: none"> ● Adjust the color saturation in the video setting.
Good picture but no sound	<ul style="list-style-type: none"> ● The sound may be muted. Press MUTE again to cancel. ● Verify if sound should output and/or test another source.
Audio noise	<ul style="list-style-type: none"> ● Communication problems may occur if infrared communication equipment (e.g., infrared cordless headphones) is used near the totem. Move the infrared communication equipment away from the totem until the noise is eliminated.

General

Problem	Possible Solutions
Some items can not be accessed	<ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● During the timing of USB device detection (i.e. when the totem is turned on with USB device connected, or when you plug in USB device during the working of the totem), 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	<ul style="list-style-type: none"> ● Disconnect the power cord and wait for a few seconds. Then re-plug the power cord and turn on the unit again.
Totem puts itself in stand-by mode as external device or PC goes in sleeping mode.	<ul style="list-style-type: none"> ● Change the energy settings/sleeping-mode of the external device or PC.
Fog appear on the screen	<ul style="list-style-type: none"> ● For the safety of screens, adding stalinite out of the screens. It is need to keep certain space between two layers for reserving air passages generate cross-ventilation and for insuring heat dissipation. Fog mainly comes from the temperature difference between the screen and the external. Moisture streaks congeal when hot air meets the low temperature glass surface The fog does not impact the normal use and it disappears after several-hour usage,

Note: If your problem is not solved, turn off your unit and then on again.

Cautions: Never attempt to repair a defective Totem yourself.

SPECIFICATIONS

Model No.	PM1715-55/10/4K
Visible screen size	55inches(diagonal)
Power Source	100-240V~50/60Hz
Current	2.5A
Power Consumption	250 W
Standby condition *	≤ 0.5 W
Number of pixels (Display panel)	3840×2160
Dimensions (W×H×D) (Unit: mm)	767×1870×450 (With stand)
Weight	64.2 kg Net (With stand)
Operating conditions	Operating temperature: 5°C - 35°C, Storage temperature: -15°C - 45°C, Storage humidity: 10% - 80% Operating humidity: 20 % - 80 % (no moisture condensation), Atmospheric pressure: 86kPa ~ 106kPa

Notes:

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 0.5W.

Declaration of RoHS2 Compliance

This product has been designed and manufactured in compliance with Directive 2011/65/EU of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS2 Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

Substance	Proposed Maximum Concentration	Actual Concentration
Lead (Pb)	0.1%	< 0.1%
Mercury (Hg)	0.1%	< 0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium (Cr ⁶⁺)	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%
Bis (2-ethylhexyl) phthalate (DEHP)	0.1%	< 0.1%
Butyl benzyl phthalate (BBP)	0.1%	< 0.1%
Dibutyl phthalate (DBP)	0.1%	< 0.1%
Diisobutyl phthalate (DIBP)	0.1%	< 0.1%

Certain components of products as stated above are exempted under the Annex III of the RoHS2 Directives as noted below:

Examples of exempted components are:

- Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):
 - Short length (≤ 500 mm): maximum 3.5 mg per lamp.
 - Medium length (> 500 mm and $\leq 1,500$ mm): maximum 5 mg per lamp.
 - Long length ($> 1,500$ mm): maximum 13 mg per lamp.
- Lead in glass of cathode ray tubes.
- Lead in glass of fluorescent tubes not exceeding 0.2% by weight.
- Lead as an alloying element in aluminium containing up to 0.4% lead by weight.
- Copper alloy containing up to 4% lead by weight.
- Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead).
- Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.