



[promultis]

lightning touchscreen



## USER'S MANUAL

### 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's 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.



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or call +44 (0) 239 251 2794

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## IMPORTANT INFORMATION

If the IFP 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:

- Use cabinets or stands recommended by the manufacturer of the IFP.
- Only use furniture that can safely support the IFP .
- Ensure the IFP is not hanging over the edge of the supporting furniture.
- Do not place the IFP on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the IFP to a suitable support.
- Do not position the IFP on cloth or other materials placed between the IFP and supporting furniture.
- Increase children's awareness of danger caused by falling down of the IFP, or being hurt by bumping into the IFP.

### **Warning:**

**To prevent the spread of fire, keep candles or other open flames away from the IFP all the times.**



# Important Safety Precautions

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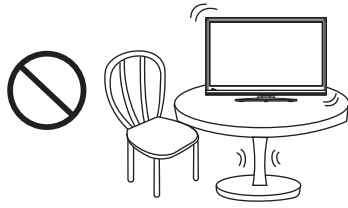
Electricity may cause personal injuries and property damage if improperly handled. The IFP has been engineered and manufactured with the highest priority on safety. But IMPROPER USE CAN RESULT IN POTENTIAL ELECTRIC SHOCK OR FIRE HAZARD. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your IFP, 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 operated.
  - 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 to your home, 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, convenience receptacles, and the point where they exit from the apparatus.
- 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 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 apparatus has been damaged in any way, such as the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus 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.

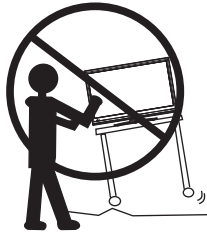
Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.

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

## Important Safety Precautions (Continued)

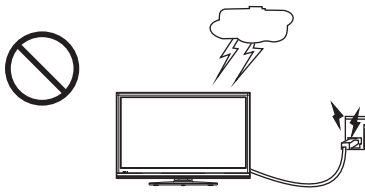


**15. Stand---**Use only with the trolley stand or wall mount specified by the manufacturer, or sold with the apparatus. Do not place the product on an unstable trolley stand or wall mount. Placing the product on an unstable base can cause the product to fall, resulting in possible serious injuries as well as damage to the product. 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/apparatus combination to avoid injury from the product tipping over. Sudden stops, excessive force and uneven floor surfaces can cause the product to fall from the trolley.

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

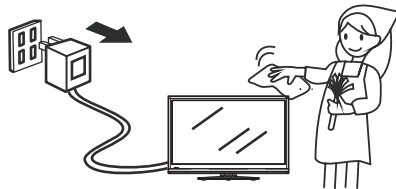


**17. Lightning---**Unplug this apparatus during thunder storm or when unused for long periods of time.

For added protection during a thunder storm, or when the IFP is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the equipment due to lightning and power-line surges.

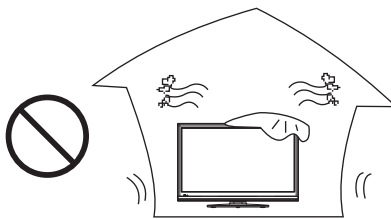


**18. Do not use this apparatus near water---**for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool, and the like. The apparatus should not be exposed to dripping or splashing liquids and that no objects filled with liquids, such as vases, shall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

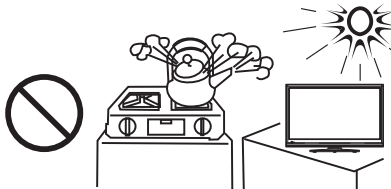


Do not use immediately after moving from a low temperature to high temperature environment, as this causes condensation, which may result in fire, electric shock, or other hazards.

**19. Clean only with dry cloth---**Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a soft cloth for cleaning.



**20. Ventilation---**Do not block any ventilation openings. Install the IFP 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 bed, sofa, 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 apparatus (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 display panel is a very high technology product, giving you finely 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.

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



# Important Notice

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## 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, and 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 or near a heater, or in high humidity, as this may cause the cabinet to deform and the screen to malfunction, and affect the IFP's performance.
  - **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 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, 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.
  - This product is not designed to display fixed images for extended periods of time.
- 

## Cleaning and Maintenance

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

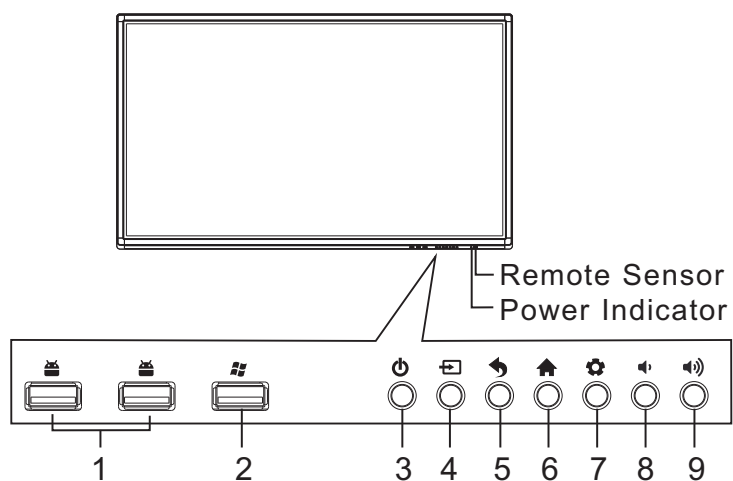
Clean the cabinet with a soft, lint-free cloth, If the cabinet is especially dirty, moisten a soft, lint-free cloth in a weak detergent solution, squeeze the excess moisture from the cloth, then wipe the cabinet with the cloth. Use a clean cloth to dry the cabinet.

- Clean the screen with a soft, lint-free cloth.
  - Use eyeglass cleaner to remove stubborn dirt from the screen.
  - Never use alcohol, paint thinner or benzine to clean this unit.
- 

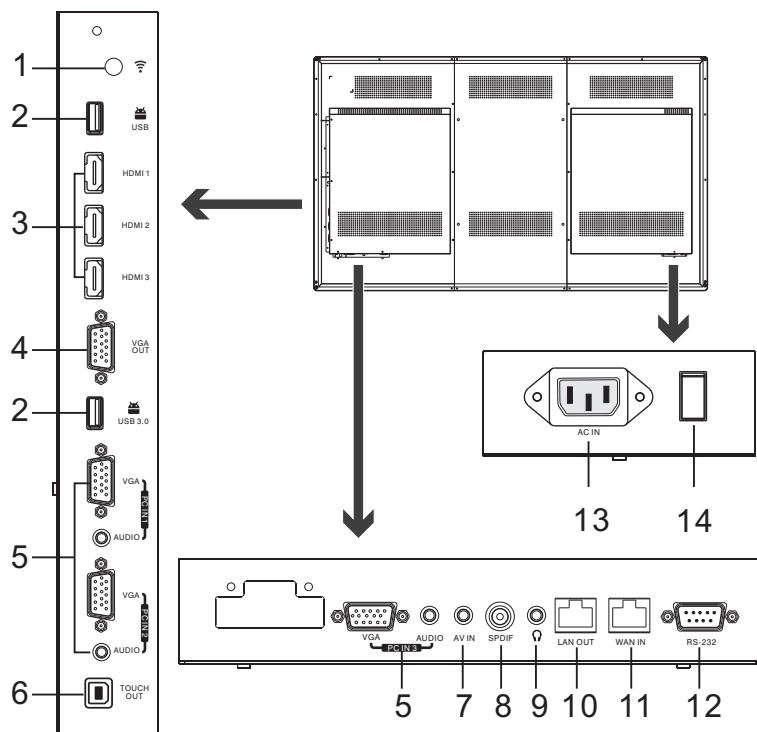
## Carrying or Moving the IFP

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

# Identification of Controls



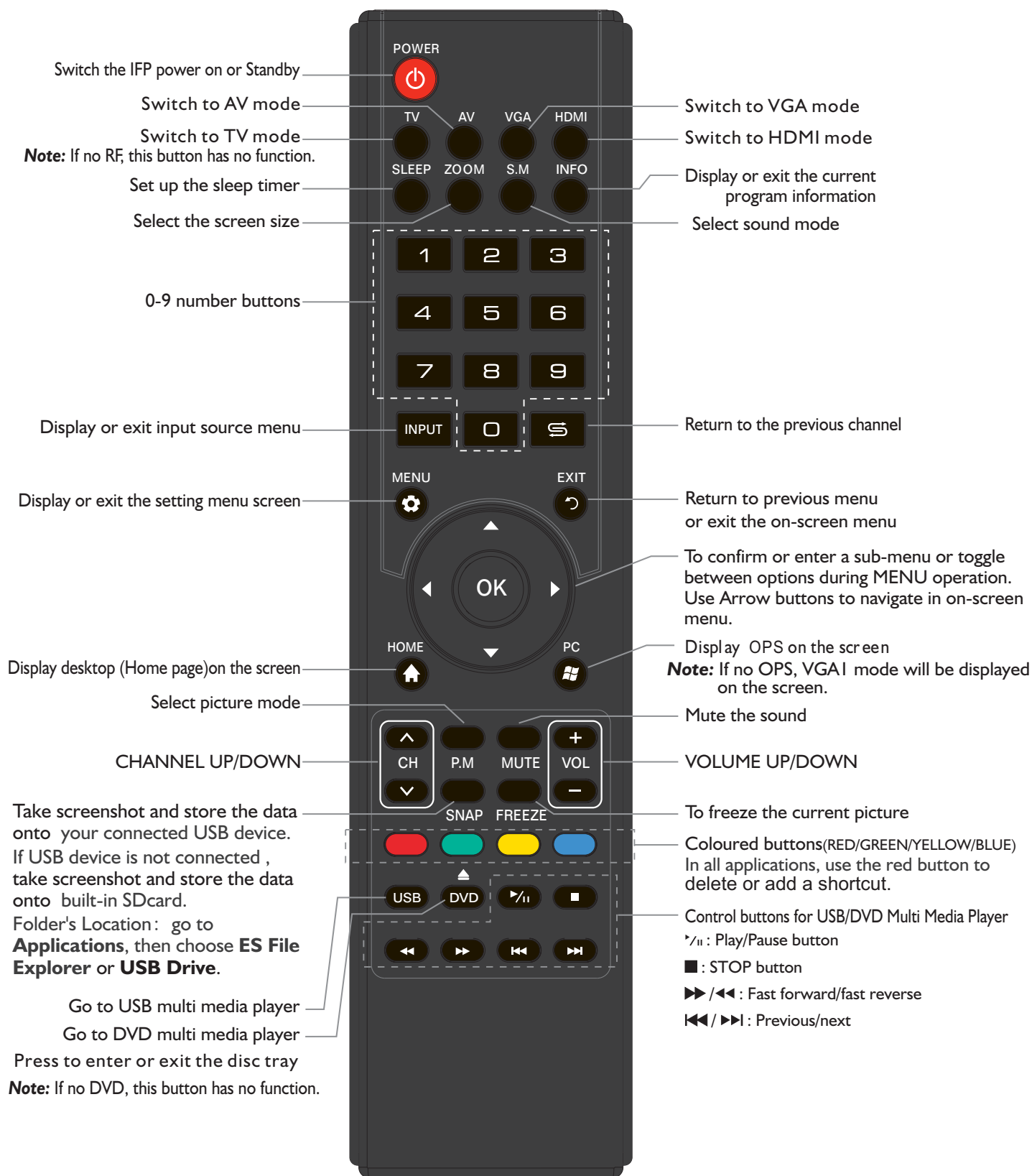
1. : USB standard interface of the IFP, enable connection to USB2.0 standard devices.
  2. : USB standard interface of the OPS, enable connection to USB2.0 standard devices.
- Note:** If no OPS, the USB port has no function.
3. : Switch the IFP power on or standby.
  4. : Press the button to display input source menu or exit the menu screen.
  5. : Press the button to return to previous menu.
  6. : Press the button to display desktop (Home page) on the screen.
  7. : Press the button to open the setting menu.
  8. : Press the button to turn down the volume.
  9. : Press the button to turn up the volume.



1. : WIFI port for transmitting or receiving network signal.
2. : USB2.0/3.0  
USB standard interface, enable connection to USB2.0, USB3.0 standard devices. When connecting, please select the appropriate port.
3. HDMI1/2/3 Input  
To connect with those equipments with HDMI or DVI interface, for example, Set-top box or DVD player. (A HDMI-to-DVI adapter cable is required when you are connecting a DVI-equipped device to the IFP.)
4. VGA OUT  
The currently selected PC IN 1/2/3 signal output.

5. PC IN1/2/3  
Enable connection to PC or other external devices with VGA/AUDIO ports.
  6. TOUCH OUT  
Control the external devices by native touch control (For example computer). (Only for PC1/2/3, HDMI1 signal.)
  7. AV IN  
Connect an AV device to this jack.
  8. SPDIF digital audio output  
Connect a digital sound system to this jack.
  9.   
Connect headphones to this jack. IFP is the current audio output.
  10. LAN OUT  
The built-in router output port. Connection to another computer or other Internet enabled devices.
  11. WAN IN  
The built-in router input port. Connect to the external network.
  12. RS232  
For service, software upgrades and the other uses.
  13. AC IN  
Plug the AC cord into this jack and into a power outlet. (~100-240V 50Hz/60Hz)
  14. Power Switch  
Push to (I) to connect the power, push to (O) to cut off.
- Note:** Power switch can not be covered, and should keep the power switch can be conveniently operated.

# Remote Control



**Note**

- This operation manual provides a description based on operating functions with the remote control.
- In different mode, some buttons may have different function.



# Setting Up

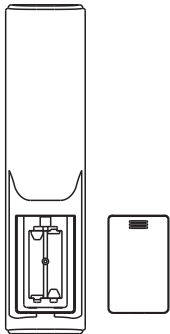
## Selecting a location

You should select a **location** for the IFP:

- Where direct light does not reflect on the screen.
- That has indirect and soft lighting.
- Where the IFP has access to a power outlet.

**Note:** Watching IFP in total darkness or with a reflection on the screen may cause eyestrain.

## Installing remote control Batteries



### To install remote control batteries:

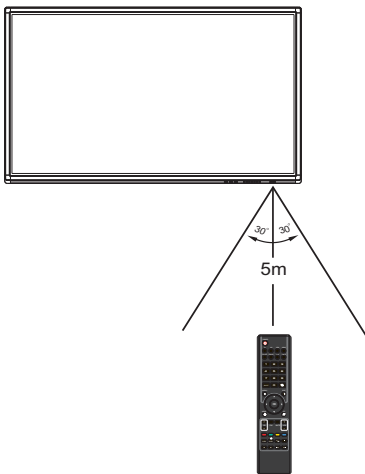
- 1 Open the battery cover.
- 2 Insert two AAA batteries into the battery compartment. Make sure that the + and – symbols on the batteries match the + and – symbols in the battery compartment.
- 3 Replace the cover.

### Battery precautions:

Improper use of batteries can result in a leakage of chemicals and/or explosion. Be sure to follow the instructions below.

- Place batteries with their terminals corresponding to the (+) and (–) indications.
- Different types of batteries have different characteristics. Do not mix batteries of different types.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries and/or cause old batteries to leak chemicals.
- Remove batteries as soon as they are non-operable. Chemicals that leak from batteries can cause a rash. If chemical leakage is found, wipe with a cloth.
- Dispose of batteries in a proper manner.
- If the remote control is not used for an extended period of time, remove the batteries.
- The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

## Aiming the remote control



Use the remote control by pointing it towards the remote sensor on the front of your IFP. Objects between the remote control and the remote sensor may prevent proper operation.

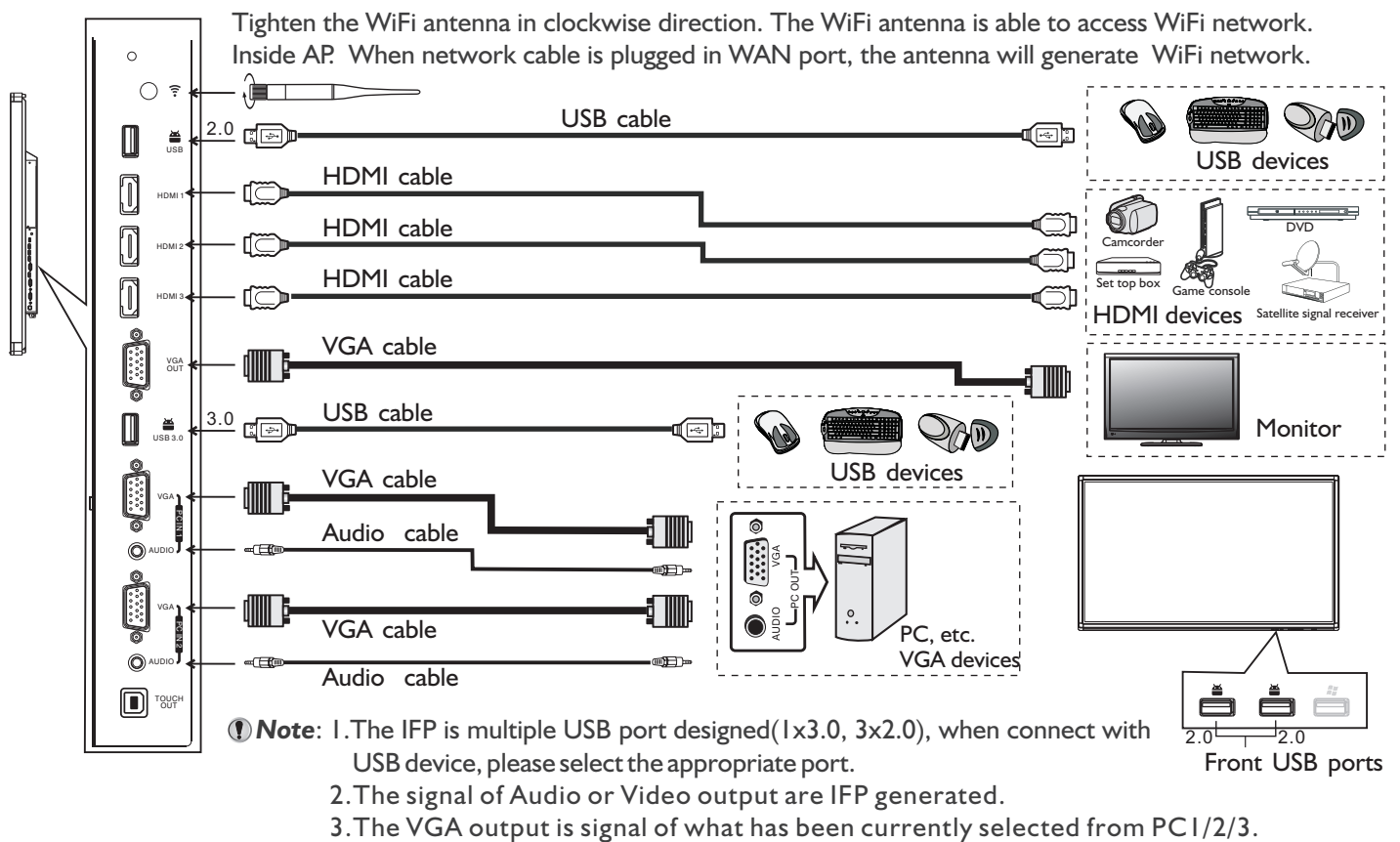
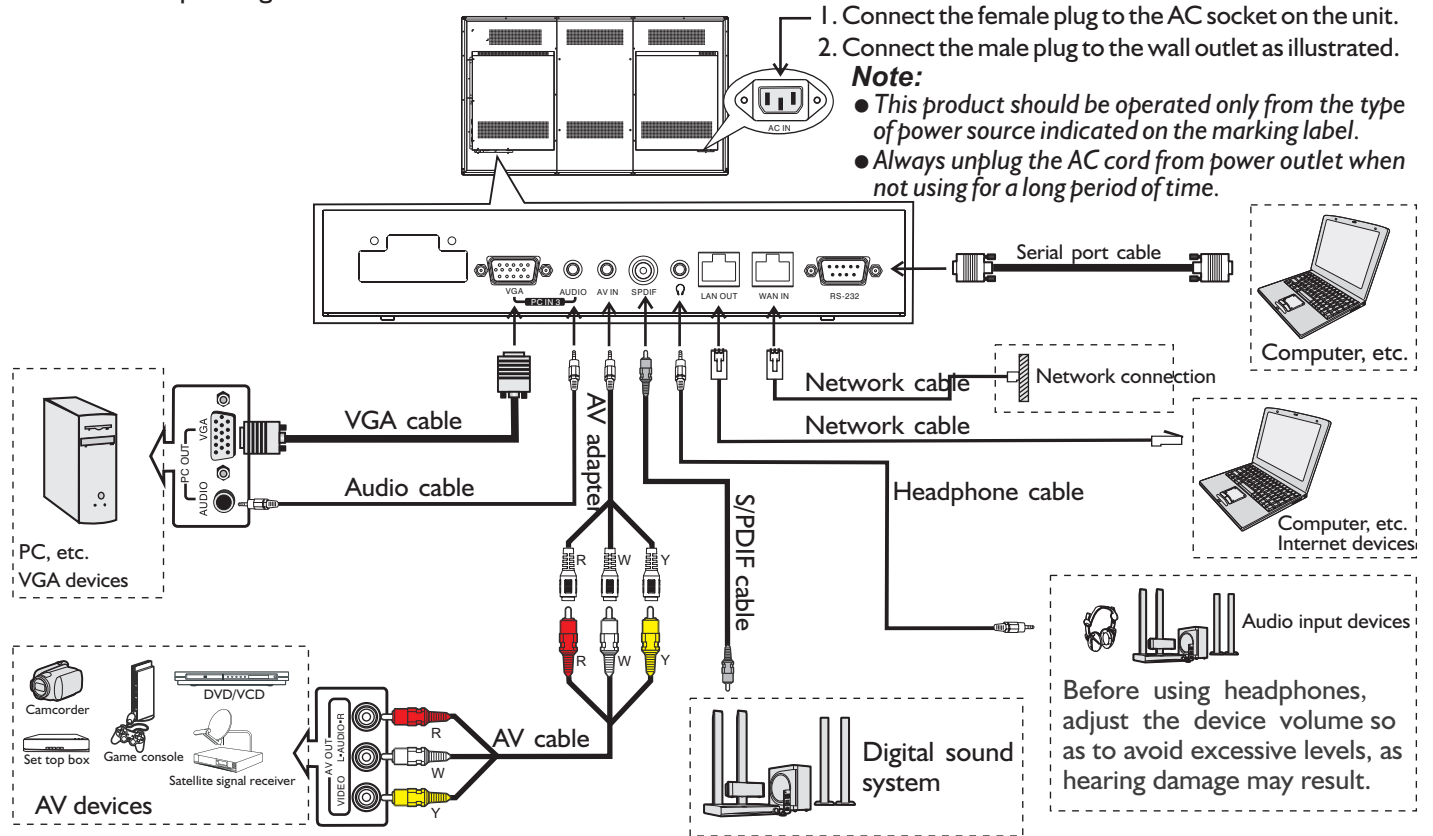
### Cautions regarding use of remote control

- Do not expose the remote control to shock. In addition, do not expose the remote control to liquids, and do not place in an area with high humidity.
- Do not install or place the remote control under direct sunlight. The heat may cause deformation of the unit.
- The remote control may not work properly if the remote sensor window of the main unit is under direct sunlight or strong lighting. In such a case, change the angle of the lighting or the IFP set, or operate the remote control closer to the remote sensor window.

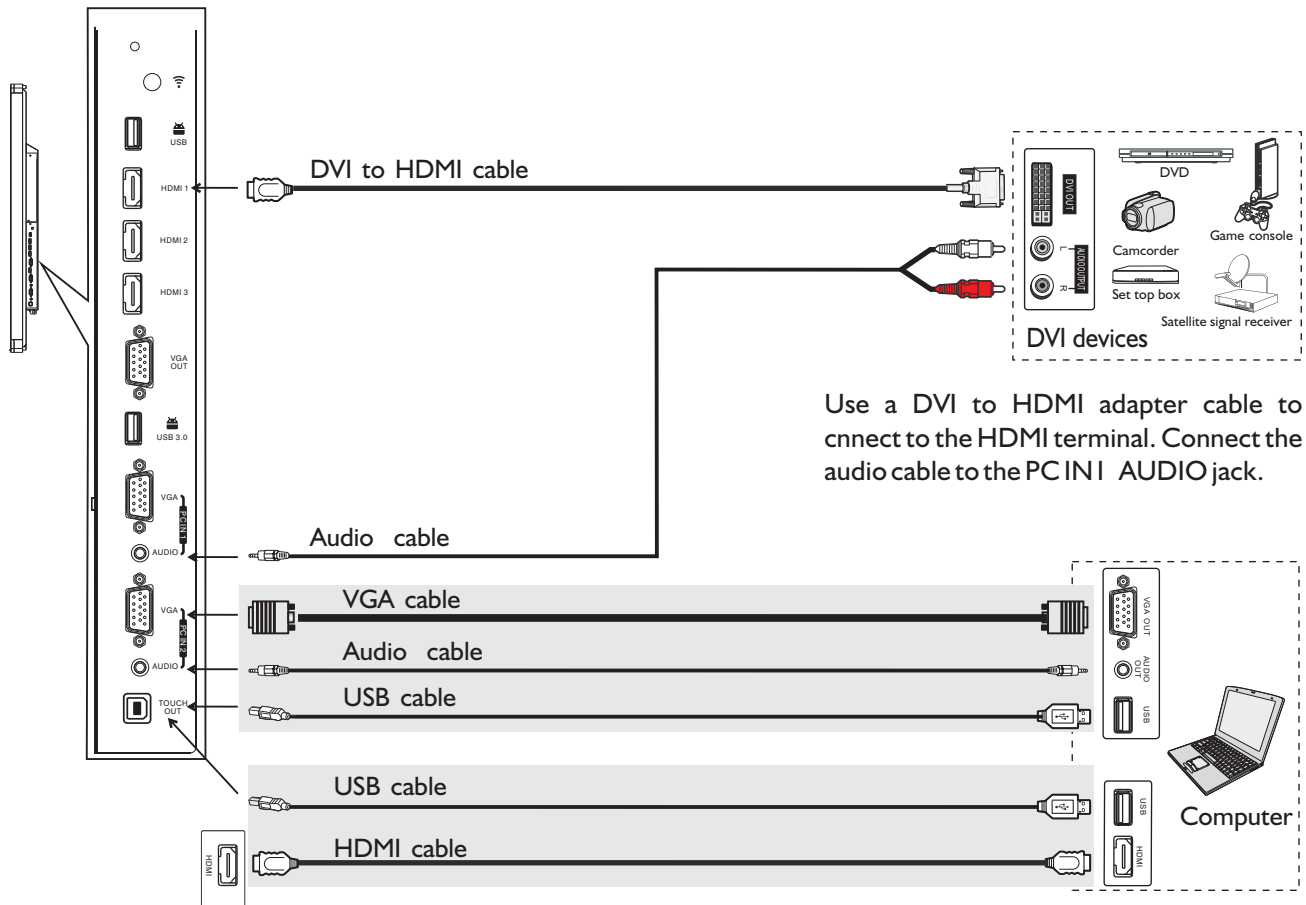
# Connections

## Cautions Before Connecting

- When connecting an external device to the IFP, make sure that the IFP and the device are turned off.
- Check the plugs at the ends of cables to make sure that they are the correct type before you try plugging them into jacks on the IFP.
- 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.



# Connections



Use a DVI to HDMI adapter cable to connect to the HDMI terminal. Connect the audio cable to the PC IN I AUDIO jack.



Connect PC with VGA cable or HDMI cable.  
 Connect **TOUCH OUT** with USB cable to PC USB port.  
 Please choose the proper method of connection based on your device.

**Not:** After installation of the driver, it can control the external computer by native touch control. (Only for PC1/2/3, HDMI I signal)



# Basic Operations

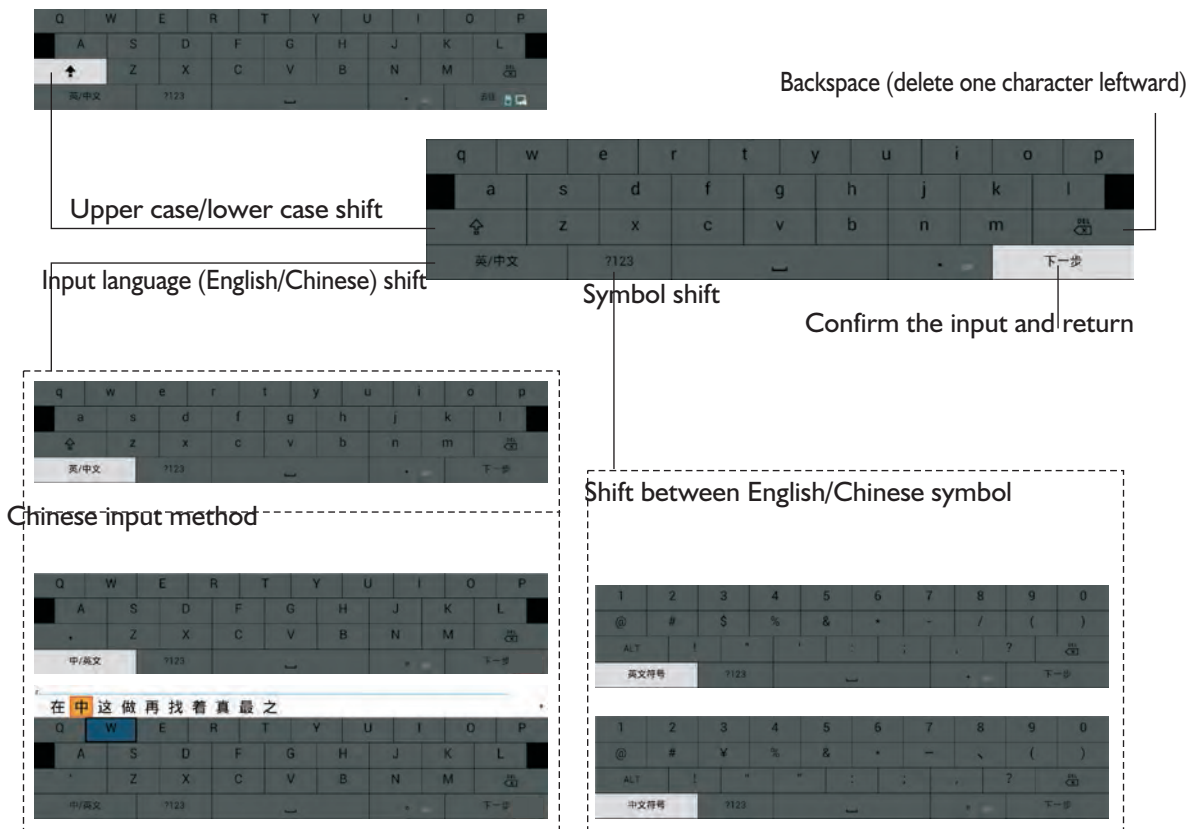
## Turning the IFP on or off

- 1 Plug the power cord into an AC power outlet. Press **Power Switch** on the IFP.
- 2 Now the IFP is in standby mode. **Wait a moment** until the power indicator lights up, then press **POWER**  to turn on the IFP. (Be sure to wait for a few seconds before pressing POWER button. If you promptly press POWER button then the IFP may not respond or act wrongly.)
- 3 Press  button again to turn off the IFP and put the IFP in standby mode.  
To cut off the power completely, press **Power Switch** on the IFP.

**Warning:** When the IFP is in standby mode, power is still flowing into the IFP. For the sake of energy saving and safety issue, please press **Power Switch** to completely cut off the power. After you turn off the IFP, you should wait for at least 5 seconds (the power indicator goes out) before you turn it on again.

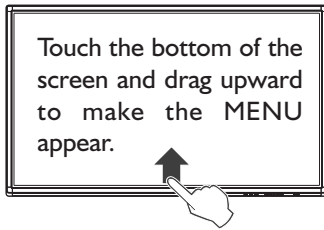
**Note:** If the IFP does not receive a displaying signal for a certain time, the IFP goes into standby mode.

## Using the software keyboard

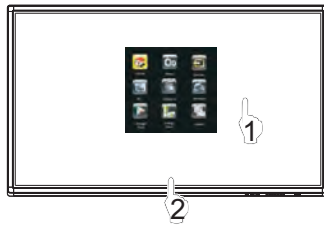


**Note:** The onscreen software keyboard may vary, but its operation method is the same.

# Basic Operations



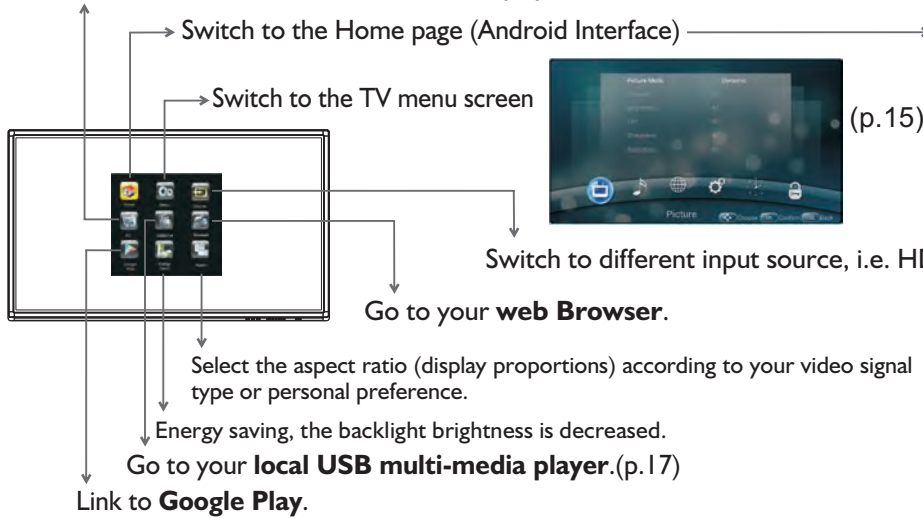
Touch the bottom of the screen and drag upward to make the MENU appear.



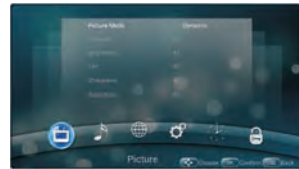
- 1 Touch once outside the MENU, the MENU will be show 🌐, you can press and drag 🌐 to any place of the screen, then touch once to display the MENU.
- 2 When displaying at USB interface, touch once at the lower part of the screen, the display control menu will appear.

Switch to the OPS interface

**Note:** If no OPS, VGAI mode will be displayed on the screen.



(p.12)



(p.15)



## Home Page Overview

Show TV system program

Shortcuts you created on Home page

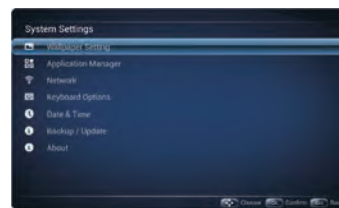


Go to your USB multi media player.(p.17)



Go to normal TV viewing.

Open the System Setup menu.(p.13)



Switch to the OPS interface

**Note:** If no OPS, VGAI mode will be displayed on the screen.

Show all applications

Touch the screen and drag to the left direction to return to Home Page



Go to your web Browser.



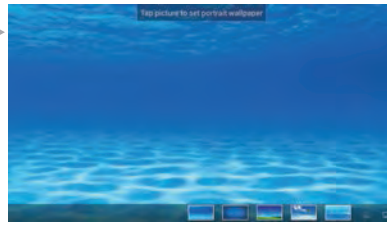
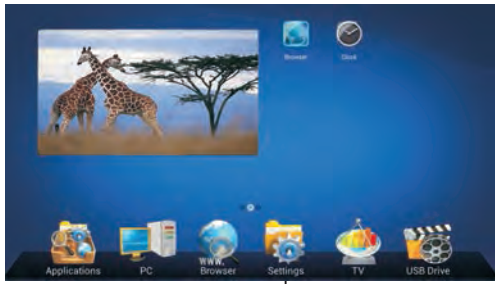
**Not:** When using the app Camera, store the data onto your connected USB device. If USB device is not connected, store the data onto built-in SDCard.

Folder's Location: go to **Applications**, then choose **ES File Explorer** or **USB Drive**.

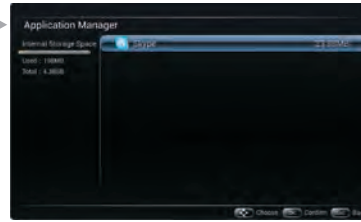
**Note:** The layout of menu may vary upon different models you purchased.



# System Settings



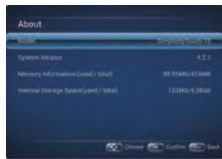
Wallpaper Setting



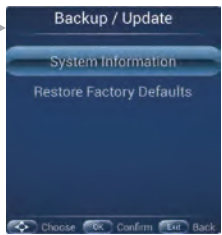
Press **OK** to access its edit menu.



- Force this application to stop
- Uninstall this application
- Clear data of this application



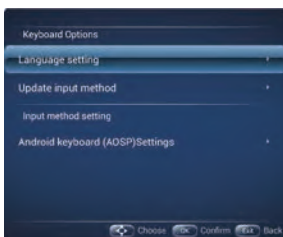
Display information



Display system information or restore to factory default.



**Note:** To manually set date and time, you should toggle **“Set date and time automatically from the Internet”** to **OFF**.



- To set on-screen language
- To set default input method
- To set Android keyboard(AOSP)



Display current network status.

Network Setting (p.13)



Internal routing setting

If the internal AP doesn't work, reset via Internal Routing Hardware Reset.



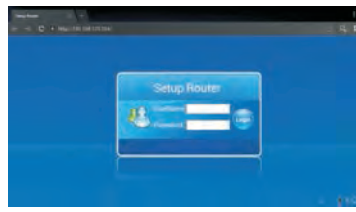
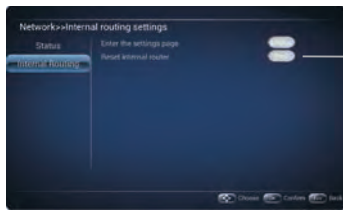
Input the default **UserName: admin**, skip the default password setting as there is no default password, then press Login button login.



Change the **UserName** and **Password**: Enter the **Site contents** menu, select **Management**, then **Password**.

# Network Settings

## Wired Network Setting



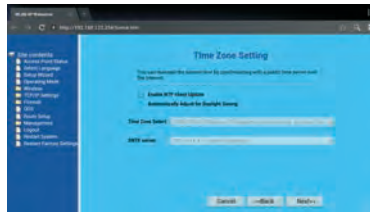
## Select Setup Wizard



Next



Next



Select Gateway

Next



Next

There are five methods to connect with network, choose your preferred one.

### Static IP



If all Internet IP information is provided by your ISP, then choose Static IP.

### DHCP Client



Automatically obtain IP information from your ISP. If your ISP doesn't provide a designated IP for you, then choose DHCP Client.

### PPPOE



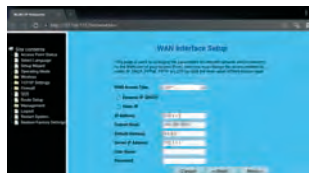
Ethernet Point to Protocol. Your ISP will provide you with Login ID and password. Usually this option is applicable to DSL service.

### PPTP



Point to Point Tunneling Protocol. Your ISP will provide you with Login ID and password.

### L2TP



Layer 2 Tunneling Protocol. Your ISP will provide you with Login ID and password. Usually this option is applicable to DSL service.

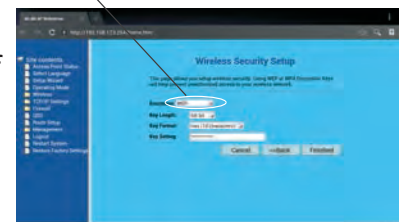
Next



Password Setting Format

Next

WiFi Password of Internal Router in IFP.



Finished



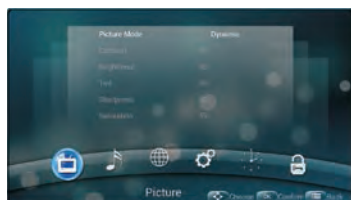
# Network Settings(Continued)

## Wireless Network Setting





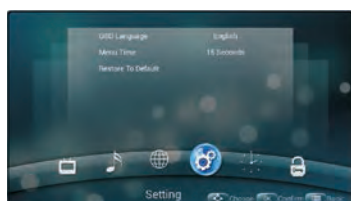
# Menu List



Picture	Picture Mode	Select your favourite picture mode for each input <b>[Dynamic]</b> / <b>[Standard]</b> / <b>[Soft]</b> / <b>[User]</b> .	
	Contrast	Adjust the contrast.	
	Brightness	Adjust the brightness.	
	Tint	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	The backlight brightness is decreased. <b>[Off]</b> / <b>[Save 1]</b> / <b>[Save 2]</b>	
	Screen	Clock	Adjust the screen size.
		Phase	Adjust the focus of stable images.
		Horizontal Position	Move the image right or left.
		Vertical Position	Move the image up or down.
		Auto Tune	Automatically adjust the image settings such as position and phase.
Color temperature	Select the color temperature. You can select <b>Warm</b> , <b>Cool</b> or <b>Normal</b> .		
MEMC	Selects <b>Low/Middle/High</b> from to reduce motion blur, thus to improve picture quality. Selects <b>off</b> to turn off this function. <b>Note:</b> Some models without MEMC function will according to your purchase model.		
Aspect ratio	Select the aspect ratio (display proportions) according to your video signal type or personal preference <b>[16:9]</b> / <b>[4:3]</b> / <b>[Panorama]</b> / <b>[Just Scan]</b> / <b>[Zoom 1]</b> / <b>[Zoom 2]</b> .		
MWE	Select magic picture demo mode.		
Noise Reduction	Select the noise reduction mode to reduce picture noise (snow) You can select <b>Weak</b> , <b>Middle</b> , <b>Strong</b> , or <b>Off</b> .		
DLC	Enhance the contrast ratio between light and dark areas of the picture. You can select <b>On</b> or <b>Off</b> . If this is set to <b>On</b> , <b>Backlight</b> cannot be adjusted.		

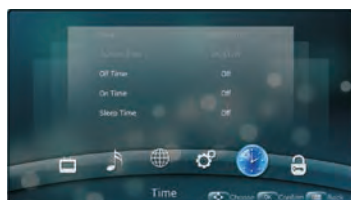


Sound	Sound Mode	Select your favourite sound mode for each input <b>[Alive]</b> / <b>[Standard]</b> / <b>[Music]</b> / <b>[Movie]</b> / <b>[News]</b> / <b>[User]</b> .
	Bass	Adjust Bass (low sounds) .
	Treble	Adjust Treble (high sounds).
	Balance	Adjust volume level of right and left speakers.
	AVC	Select <b>[On]</b> to equalize overall volume levels across all channels. Select <b>[Off]</b> 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 <b>[RAW]</b> to output audio signal as its original format. Select <b>[PCM]</b> to output audio signal by PCM format.
	Alone	Press <b>OK</b> to turn off the picture on your IFP and listen to the program audio only.

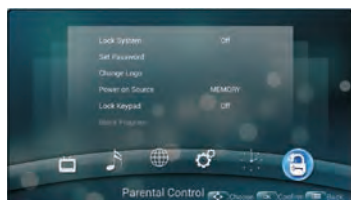


Setting	OSD Language	Select on-screen menu language.
	Menu Time	Select OSD menu display time.
	Restore To Default	Reset all settings to factory defaults.

# Menu List



Time	Date	Set current date manually.
	Current Time	Set current time manually.
	Off Time	Set Off timer to switch the IFP to standby at a specified time.
	On Time	Set On timer to turn on the IFP automatically to source at a certain time.
	Sleep Time	Set the duration of time until the IFP automatically goes into Standby mode. [Off] / [10 Minutes] / [20 Minutes] / [30 Minutes] / [60 Minutes] / [90 Minutes] / [120 Minutes] / [180 Minutes] / [240 Minutes].



Select **Parental Control** menu, press **OK** to access the menu. Now a password is required to input. (The default password is 0000. The unit provides a super password “2580”.)

Parental Control	Lock System	Set to <b>ON</b> , Restore To Default is locked. Reset settings to factory defaults, just input the correct password.
	Set Password	Password settings.
	Change Logo	Navigate to the <b>Parental Control</b> menu and input the correct password to access. Select <b>Change Logo</b> item, press <b>OK</b> to access and change Logo. <b>Note:</b> 1. Save the logo which you are about to change in the USB stick. The logo file sizes should be <512K, and rename it as boot0.jpg. 2. Insert the USB stick into the USB port on the Android board.
	Power on Source	Power on Source Setting, in <b>MEMORY</b> mode, when the IFP powered on, it will automatically switch to the source when it powered off last time. otherwise, it is in setting mode.
	Lock Keypad	The IFP buttons is locked. <b>OFF:</b> Select to enable the panel buttons. <b>ON:</b> Select to disable the panel buttons.





# Using USB Multi Media Player

## Using USB multi media player

You can connect a USB storage device to your IFP to view compatible photo, movie on the large screen of the IFP or play compatible music so that the sound can be output from the IFP's speaker.

To use USB multi media player, please go to USB source by pressing **USB** button. Or you can press **Home** button to display Home Page and then select **USB Drive** icon to access.

### Notes:

- Never remove the USB storage device or turn off the IFP while using the USB storage device.
- It is recommended that you back up your USB device data.
- The USB menu may vary in different situation.
- If you want to pull out the USB device, please exit USB mode first. For instructions on using your USB device, refer to the user's manual of your USB device.
- Please name your files in English. Otherwise the file names can not be shown correctly.
- Certain types of USB device may not be compatible with this IFP.

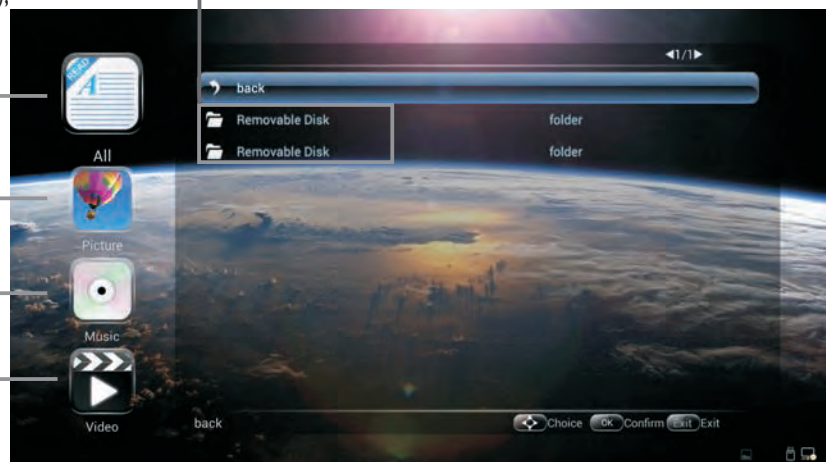
## USB multi media interface introduction



**Method 1:** Press **USB** button to access

**Method 2:** From **Home Page**, select **USB Drive** icon to access.

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



**Video:** Select to play compatible **movie**.

**Music:** Select to play compatible **music**.

**Picture:** Select to view compatible **photos**.

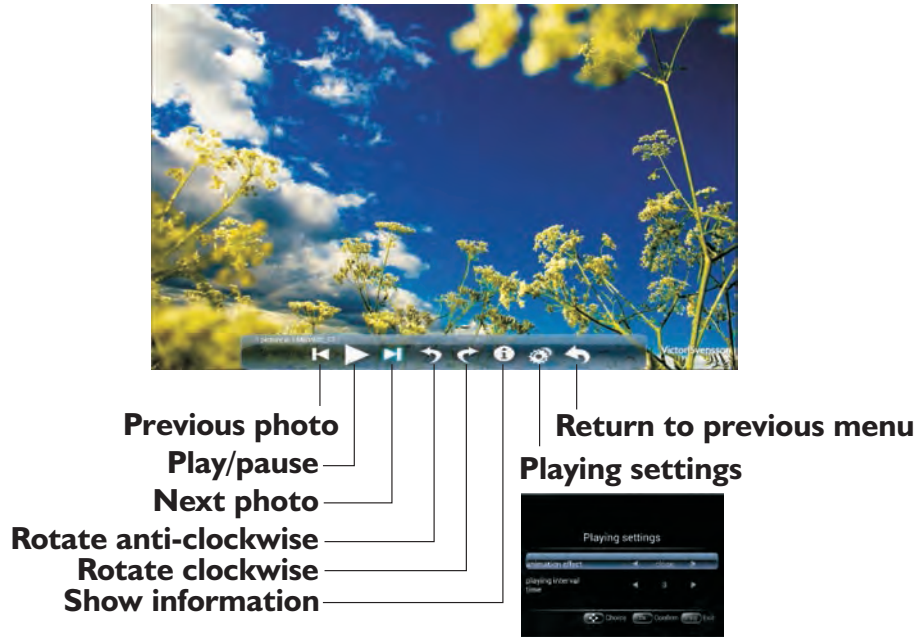
**All:** Select to show **all files** so that you can easily select any file to play.

# Using USB Multi Media Player

## Playing Photo

With the photo viewer, you can view compatible photos (in JPG, BMP or PNG format). Also you can zoom, rotate photo, etc.

**Note:** The photo viewer supports JPG, BMP, PNG format images, but not all JPG, BMP, or PNG files are compatible with the IFP due to technical update.

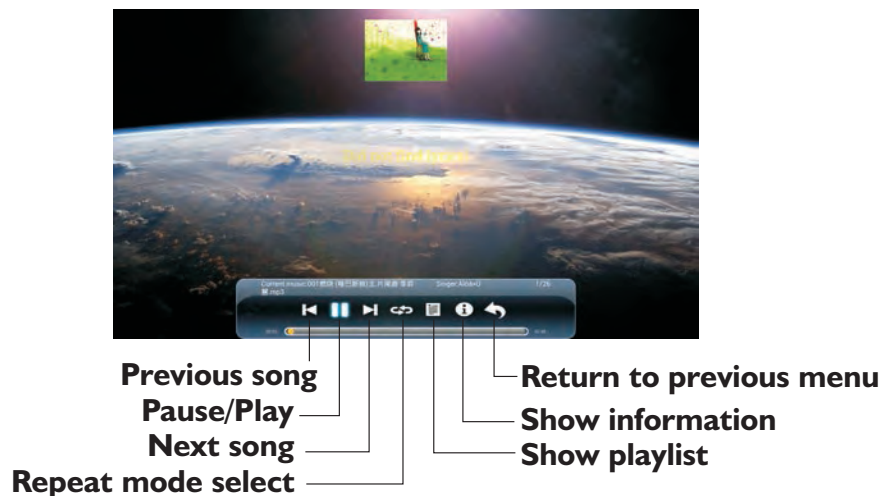


**Note:** You can also use  $\blacktriangleleft/\blacktriangleright$  (Play/Pause),  $\blacksquare$  (STOP),  $\blacktriangleleft\blacktriangleleft$  (Previous),  $\blacktriangleright\blacktriangleright$  (Next) on the remote control to operate.

## Playing Music

With the USB music player, you can play compatible music (in MP3 or AAC format).

**Note:** The USB music player supports MP3, AAC format audio files, but not all MP3 or AAC files are compatible with the IFP due to technical update.



repeat to play single music, repeat to play all music files in current folder when it plays to the end, no repeat when it plays to the end.

**Note:** You can also use  $\blacktriangleleft/\blacktriangleright$  (Play/Pause),  $\blacksquare$  (STOP),  $\blacktriangleleft\blacktriangleleft$  (Previous),  $\blacktriangleright\blacktriangleright$  (Next) on the remote control to operate.

# Using USB Multi Media Player

## Playing Movie

With the USB movie player, you can play compatible movie (in AVI, MPG, MPEG, DAT, MP4, TS, RM/RMVB, or MKV/MOV format).

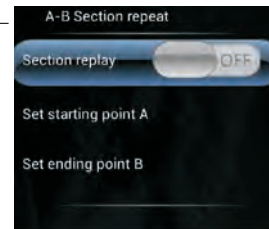
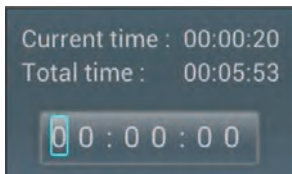
**Note:** The USB movie player supports AVI, MPG, MPEG, DAT, MP4, TS, RM/RMVB, MKV/MOV format video files, but not all AVI, MPG, MPEG, DAT, MP4, TS, RM/RMVB, MKV/MOV files are compatible with the IFP due to technical update.



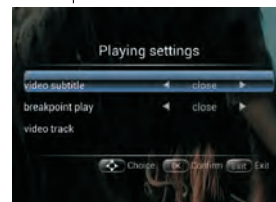
- Previous movie
- Fast reverse
- Play/pause
- Fast forward
- Next movie

- Return to previous menu
- Adjust the volume
- AB Section repeat
- Playing settings
- Show information
- Show playlist

Skip to specific point by input time



Now AB repeat starts. To cancel, highlight **Section replay** and toggle it to **OFF**.



# Troubleshooting

If, after reading these operating instructions, you have additional questions related to the use of your IFP, 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"><li>• The batteries could be weak. Replace the batteries.</li><li>• Check the orientation of the batteries.</li><li>• Make sure the power cord is plugged in.</li></ul>

## Video and Audio

Problem	Possible Solutions
No picture (screen not lit), No sound	<ul style="list-style-type: none"><li>• Make sure the power cord is plugged in.</li><li>• Press POWER on the IFP or on the remote control.</li></ul>
Dark, poor or no picture (Screen lit), good sound	<ul style="list-style-type: none"><li>• Select a proper picture mode.</li><li>• Adjust the brightness in the video setting.</li></ul>
No color/dark picture/abnormal color	<ul style="list-style-type: none"><li>• Adjust the color saturation in the video setting.</li></ul>
Dotted lines or stripes	<ul style="list-style-type: none"><li>• Move the IFP away from noise sources such as cars, neon signs, or hair dryers.</li></ul>
Good picture, no sound	<ul style="list-style-type: none"><li>• The sound may be muted. Press MUTE again to cancel.</li></ul>
Audio noise	<ul style="list-style-type: none"><li>• Communication problems may occur if infrared communication equipment (e.g., infrared cordless headphones) is used near the IFP. Move the infrared communication equipment away from the IFP until the noise is eliminated.</li></ul>

## General

Problem	Possible Solutions
Some items can't be accessed	<ul style="list-style-type: none"><li>• If a setting option appears in gray, this indicates that the settings option is unavailable in current input mode.</li></ul>
Remote control command is not effect in some cases.	<ul style="list-style-type: none"><li>• During the timing of USB device detection (i.e. when the IFP is turned on with USB device connected, or when you plug in USB device during IFP working), the IFP may not act by remote control buttons in such case. Wait some time, then it is OK.</li></ul>
Control buttons do not operate	<ul style="list-style-type: none"><li>• Disconnect the power cord and wait for a few seconds. Then re-plug the power cord and turn on the unit again.</li></ul>
POWER button responds slowly after power is connected.	<ul style="list-style-type: none"><li>• When you push POWER SWITCH to power on the IFP, in about 3 seconds the POWER button starts to respond after pressed.</li></ul>

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

**Cautions:** Never attempt to repair a defective IFP yourself.

# Specifications

	43" Lightning Pro	55" Lightning Pro	65" Lightning Pro	70" Lightning Pro	75" Lightning Elite	84" Lightning Elite
<b>Dimensions</b>						
Width	1013 mm	1309 mm	1532 mm	1640 mm	1750 mm	1973 mm
Height	614 mm	780 mm	908 mm	968 mm	1020 mm	1159 mm
Depth	107 mm	87 mm	92 mm	100 mm	107 mm	97 mm
Weight	28 kg	52 kg	65 kg	70 kg	88 kg	104 kg
Visible screen	941mm x 529mm	1209.6 mm x 680.4 mm	1428.4 mm x 803.5 mm	1538.8 mm x 865.6 mm	1675.8 mm x 928.2 mm	1864 mm x 1050 mm
<b>Display</b>						
Touch points	32	32	10	10	10	10
Screen Type	LED Backlit	LED Backlit	LED Backlit	LED Backlit	LED Backlit	LED Backlit
Aspect ratio	16:9	16:9	16:9	16:9	16:9	16:9
Resolution	Full HD	Full HD	Full HD	Full HD	UHD 4K	UHD 4K
Pixels	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	3,840 x 2,160	3,840 x 2,160
Android	✓	✓	✓	✓	✓	✓
<b>Connectivity</b>						
AV IN	1	1	1	1	1	1
PC IN	3	3	3	3	3	3
VGA OUT	1	1	1	1	1	1
HDMI Input	3	3	3	3	3	3
USB	4	4	4	4	4	4
WAN IN	1	1	1	1	1	1
LAN OUT	1	1	1	1	1	1
S/PDIF OUT	1	1	1	1	1	1
Headphone	1	1	1	1	1	1
RS232	1	1	1	1	1	1
WiFi Router	1	1	1	1	1	1
<b>Power</b>						
Power Consumption	200W	200W	230W	260W	400W	450W
(in standby)	< 0.5 W	< 0.5 W	< 0.5 W	< 0.5 W	< 0.5 W	< 0.5 W
Power Source	AC 100-240 V, 50 / 60 Hz					



## Android OS

System Version	Android 4.2.1
CPU	ARM Cortex A9 1.2G
GPU	Mali400
RAM	1GB
ROM	8G

## Optional USFF PC integration in rear

Processor	Intel i5
Graphics	Integrated
Sound Card	Integrated High Definition Audio Stereo
Networking	Integrated 10/100/1000M Adaption
Memory	4G DDRIII (8GB option)
Hard Drive	500G SATA (SSD option)
WIFI	802.11b/g/n /802.11a/b/g/n (optional)
USB(A)	6(4 for USB2.0 2 for USB3.0)
Microphone In	1
Earphone Out	1
Lan Port(RJ45)	1
VGA Out	1

## Optional Mounting Bracket

Width	Height	Depth	Weight
960 mm	240 mm	29.4 mm	8kg



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