
Multi Touch Screen/ Interactive Flat Panel Display

User Manual



TL18.201401202

Please kindly keep this manual for future inquiries.

This manual is used as the LCD all in one touch TV manual, the actual product may be slightly different with description.

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Safety Considerations

warning

Do not place containers with liquid on or near this product.

Use only dry cloth to clean.

Do not block any ventilation holes.

Install this product according to manufacturer's User Manual.

A distance of at least 16cm must be kept from this product and other objects and/or walls.

Do not install this product near heat sources.

This product must be connected to a power point which is appropriately earthed.

Use the earthed power plug supplied by with this product.

Keep the power cord tangle free.

Use a properly functioning power point at all times.

Disconnect the power plug during storm or if you intend not to use for a long period of time.

The device is a heavy product and when moving use appropriate equipment to avoid injury.

Use qualified technicians to mount the device on the wall and/or mobile trolley. Abide by manufacturers' mounting instructions.

Use only qualified technicians for all repairs.

Antenna must be kept away from power cord.

The external antenna must be connected to earth to prevent potential damage caused by voltage surge or ESD(Electro Static Discharge)

Follow instructions when inserting batteries into the remote control unit. Discard all batteries appropriately.

Do not use mixed batteries (old and new, carbon-zinc and alkaline).

Installing Requirement

Carrying capacity

Better use the wall mount brackets supplied together with the product, if not, please make sure the carrying capacity is not less than 4 times the actual load weight and make sure the machine can be placed on it stably.

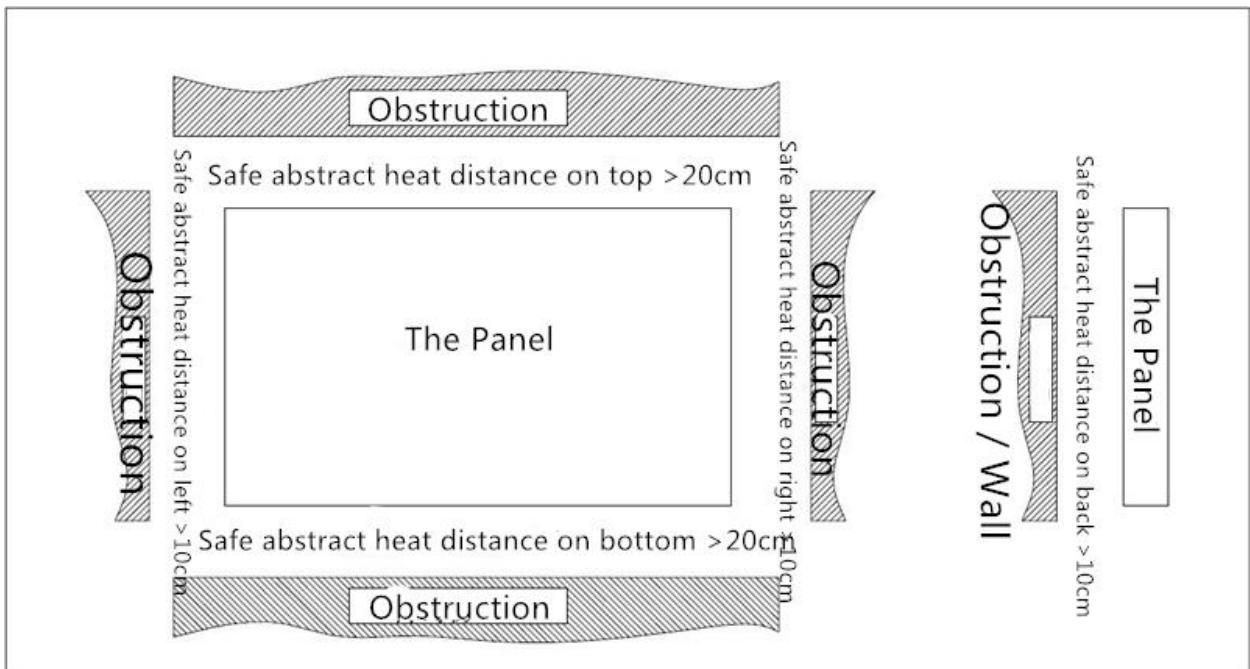
Be sure the mounting surface is not less than 4 times the actual load weight. If the mounting surface is the building wall or roof, the surface must be solid brick, concrete or something have equivalent strength. If the mounting surface is loose material (such as brick wall on old houses, wood etc.) ,metal, non-metal structure, or the decoration layer is too thick on surface, which strength is obviously insufficient, please take corresponding measures to strengthen , support it , eliminate security risks exists.

Abstract heat

Requirement	Distance between the machine and mounting surface (cm)			
Standard Power	Leftside&rightside	Topside	Bottom	Backside
Over 100W	10	20	20	10

Note: If the machine inlay in the wall, or in the box, in addition to meet the above requirements, the vent area of the bottom, side, top required not less than 50% of the sealing area, keep the air circulation.

Graphic :



*Ref to the standard of CAS 132-2006

Summary

The interactive tablet is the interactive products based on independent R&D, and a multi-functional teaching equipment set the interactive teaching, multimedia presentation, digital speech, touch operation, handwriting input as a whole. From design to production, we give full consideration to the application characteristics of the field of education. Convenient operation, full digital intelligent control, we can use fingers or non-transparent objects on the screen to write, modify or delete ,which is an perfect tool for the modern education.

Characteristics :

- ➲ Tailored for teaching and meeting system.
- ➲ High brightness, high contrast screen, clear view under bright sunlight or indoor and outdoor environment .
- ➲ When we need in low brightness display mode , press on key can enter the power saving mode, which reduce the backlight brightness to save energy and protect the environmental .
- ➲ Using the advanced infrared array scanning induction technology , HID free drive, we can use the machine once connect.
- ➲ The graphics processing of the software are all based on vector graphics, which has the

- characteristics of high compression, distortion etc..
- ⇒ variety of selection on pen type, line width, color .
- ⇒ Powerful screen editing function, support real-time editing.
- ⇒ A variety of background selection, support user-defined background, has the image insertion function for any graphics or picture . .
- ⇒ Intelligent identification function of geometric graphics, has various kinds of graphics identification, high recognition rate, and can identify several pen at same time .
- ⇒ Simulation function of brush cause the font looks vigorous .
- ⇒ Support to save the file we wrote as the PDF, JPEG, GIF, PNG, TIFF, BMP and other formats.
- ⇒ Simulated operation of mouse.
- ⇒ Supports dual touch, multi finger touch.
- ⇒ User management module realizes the function of adding or delete user, switching user, customizing the user information and etc, which drives the software setting much match to a user's habits
- ⇒ Support for other application software.
- ⇒ Support the identification on English, numbers, special characters .

Basic Operation

Turn on

- Use 100~240V 50/60Hz alternating current as the power supply of the machine .
- Open the boat-shape switch in the middle of the bottom on the machine (near the power interface side) to connect power supply. (the status on indicator window is red light)
- We can press the "power" button on the machine panel or the "standby" button on the remote control to turn on the machine (the status on indicator window is green light), if the built-in OPS does not start-up, press the "SET" button on the machine panel to open the computer power supply (this function just support all in on touch model).

Turn off

- If you want to turn off machine temporarily , please press the "power" button. We can shut down the computer by press "SET" button on the panel under the status of the ops computer working . (this function just support all in on touch model)
- If you want to shut down the machine completely, please press the boat-shape

switch in the middle of the bottom on the machine (near the power interface side) or unplug the power plug.

- If the machine has built-in PC, please shut down PC first, and then cut off the power.
- Turn on the machine by the power switch, we can see Android characters shows on the right bottom of screen display , which means the Android system is starting and please do not cut off the power supply at this time, only can we cut off the power supply after the Android system finish booting loading.

Introduction of OSD

Operation Of OSD How To Choose Analog Channel

1.Three ways as follows to choose the channel:

1.1 Press “Source” to choose



1.2 Press “▲ (Source) ”as follows to choose



1.3 Press "Source" on the front panel or remote control to choose.

2. It will show as follows after choosing the "Source"

3. When "Source" showed as above, there are three ways to enter it :

3.1 Directly click.

3.2 Select "source" and then automatically enter it.

3.3 Press "▲▼" to select the signal channel wanted and then press "OK" to confirm.

4. Also can enter it by the Full Touch Menu. Please refer to the details at the introduction of Full Touch Menu.



How To Choose Application

1.1 Press any applications as follows to choose:



Introduction Of "Set"

1. Menu of the image setting will show up through the following three ways:

1.1 Enter from "Menu" which is at the bottom of the screen;



- 1.2 Enter from the "Menu" on the remote control .
- 1.3 Enter from the "Menu" on the front panel .
2. Operate on "Set" through the following two ways:
 - 2.1 Directly click on the icon to choose.
 - 2.2 Press "▲▼" to select. (content of "Set": Picture, Sound, Tuner, Adjust, Function)

***Picture**

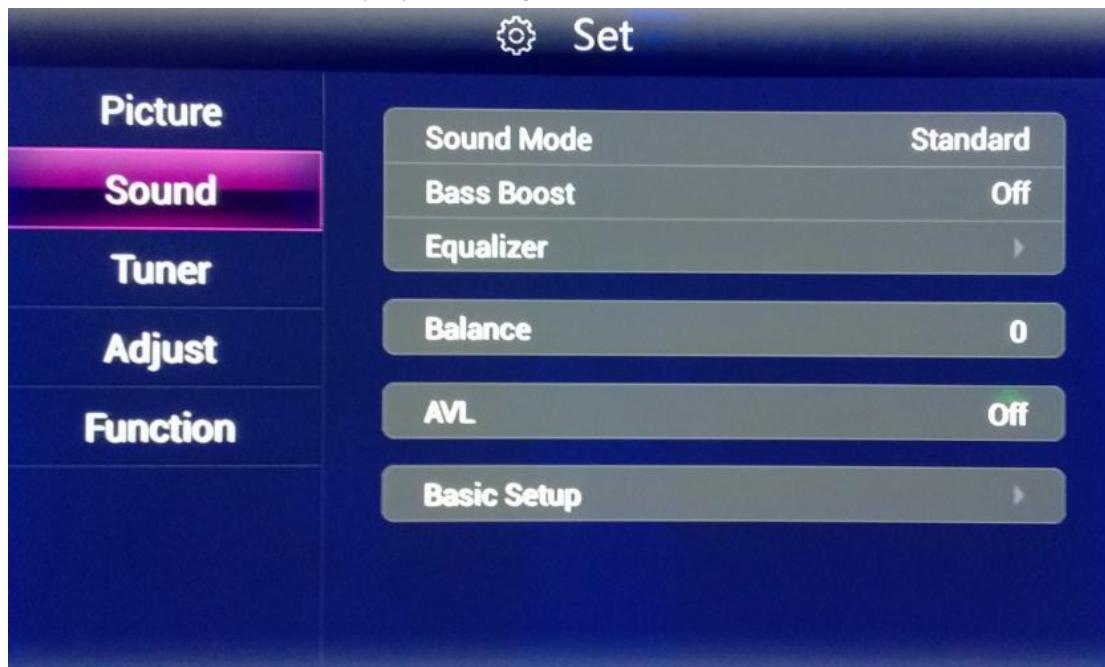
- 1.1 Directly click on the icon to choose.
- 1.2 Press "▲▼" to select. Press "◀▶" to confirm the submenu and adjust the value. Press "◀▶" to move to the wanted submenu(purple color lights means be selected)



***Sound**

1.1 Directly click on the icon to choose.

1.2 Press "▲▼" to select. Press "◀▶" to confirm the submenu and adjust the value. Press "◀▶" to move to the wanted submenu(purple color lights means be selected)



*Tuner

1.1 Press "Adjust" to select the submenu.

1.2 Press "▲▼" to select. Press "◀▶" to confirm the submenu and adjust the value. Press "◀▶" to move to the wanted submenu(purple color lights means be selected). Press "▶" to choose ATV Auto Search and DTV Auto Scan.

1.3 Press "Enter" to start automatic search. If you need to interrupt, please press "stop" to return to the previous menu.

*Adjust



- 1.3 Press "Adjust" to select the submenu.
- 1.4 Press "▲▼" to select. Press "◀▶" to confirm the submenu and adjust the value. Press "◀▶" to move to the wanted submenu (purple color lights means be selected)



*Function

- 1.1 This button is only for the TV which has 3D function. Press the "Function" to select.
- 1.2 Press "▲▼" to select. Press "▲▼" to select. Press "◀▶" to confirm the submenu and adjust the value. Press "◀▶" to move to the wanted submenu (purple color lights means be selected)
- 1.3 Useless for TV without 3D function

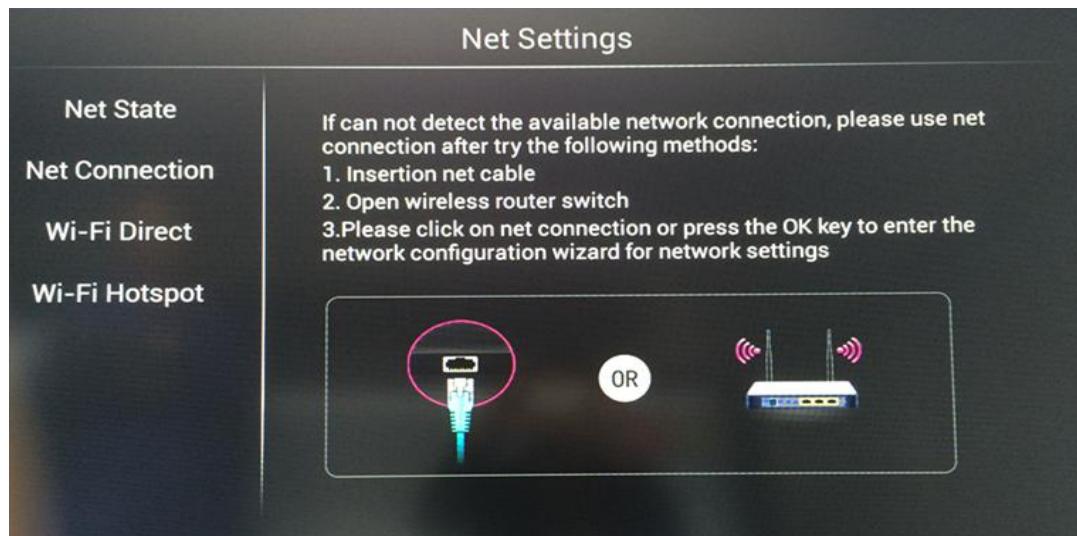


How To Use TV:

Network Setting

Choose the net connecting mode and set the right number.

Press "main page" to enter the main menu, press "▲▼◀▶" button to select [system setting] and press "enter" to enter the submenu. Press "▲▼" button so select "Net Settings" and press "enter" to enter. Press "▲▼" to select between WIFI or WIRED.



A.Wired Network Setup

It will be automatically equipped with an IP number if LAN is connected and DHCP(set automatically) is supported.

Follow the steps to set the IP manually:

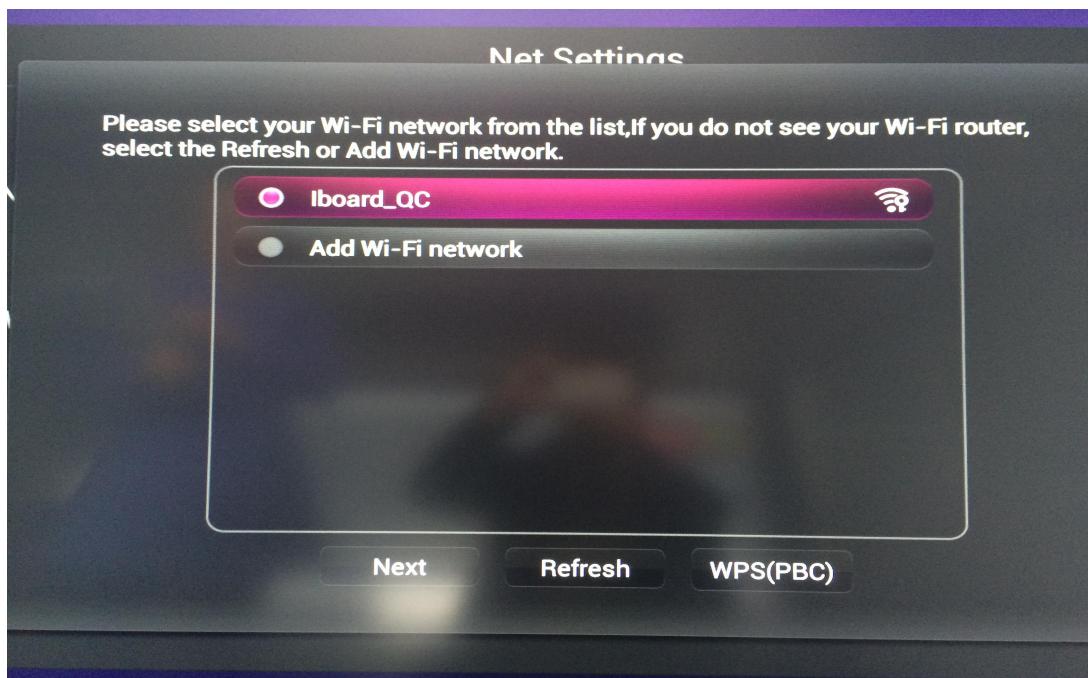
- 1) Press "◀▶" to select "automatically get IP address" [Close]
- 2) Press "▲▼◀▶" to select the number needed to be changed, press numeric keys to input the [IPv4 Address], [Subnet Mask]、[Default Gateway]、[DNS address]
- 3) Press [Save] and press "Enter" to save the IP address setting. Press "▼" to select [Next] to enter wired network setting

B.Wireless Network Setup

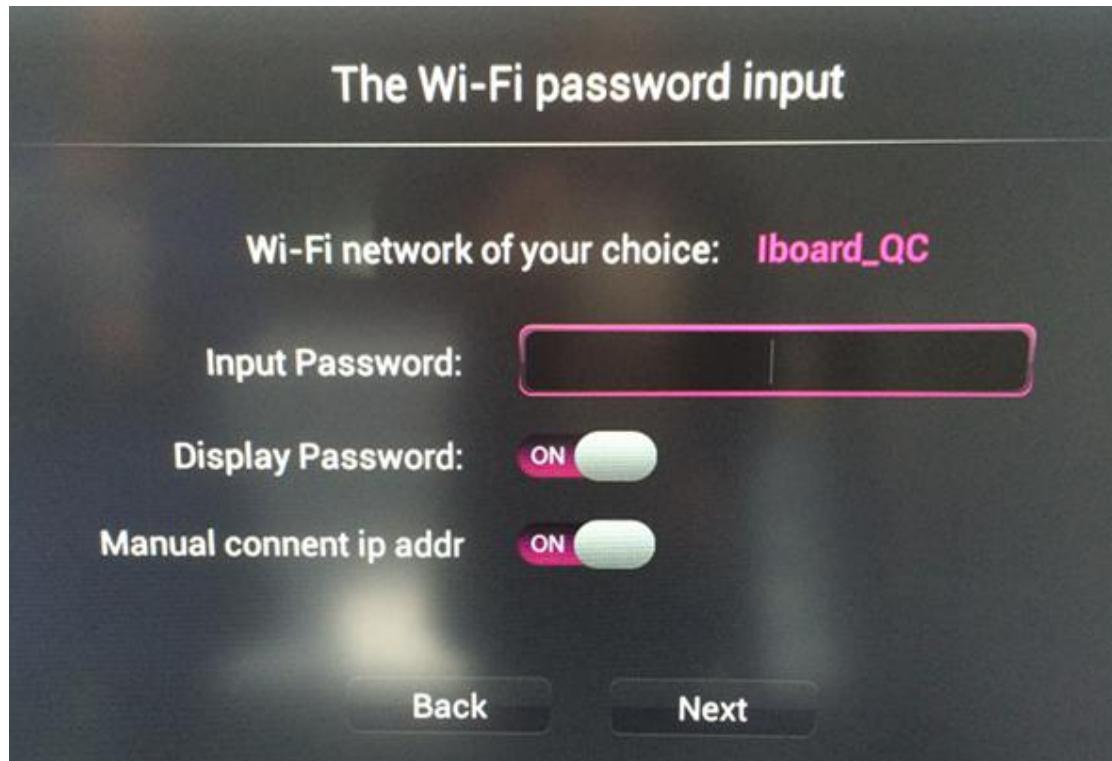
- 1) The system will search the available wired and wireless network automatically, press "◀▶" to select [Wireless Network] and press "Enter" to enter the wireless network setting.



2) Press "↔" to select [Search] to enter the network setting, press "▲▼" to select the Wi-Fi network from the list, press "▲▼" to select [Next] and press enter



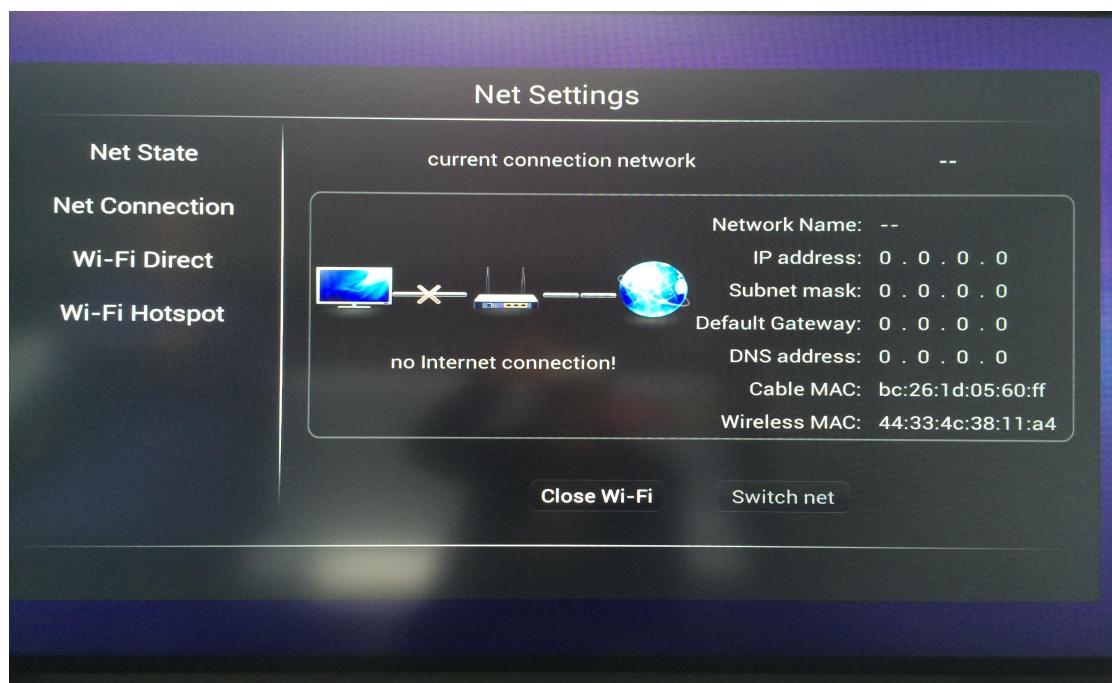
3) Password: Input the Wi-Fi password, press "Enter" and then press "▲▼↔" to select [Finish] and press "Enter", then press "▲▼↔" to select "Next" to start the wireless connection.



Network Status Lookup

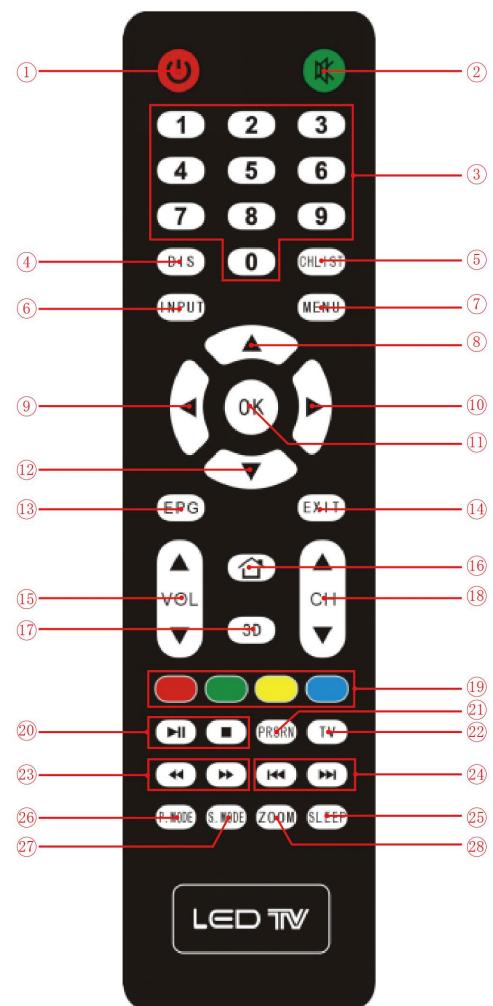
Check the connection status of the current network and the detailed information.

Remote control



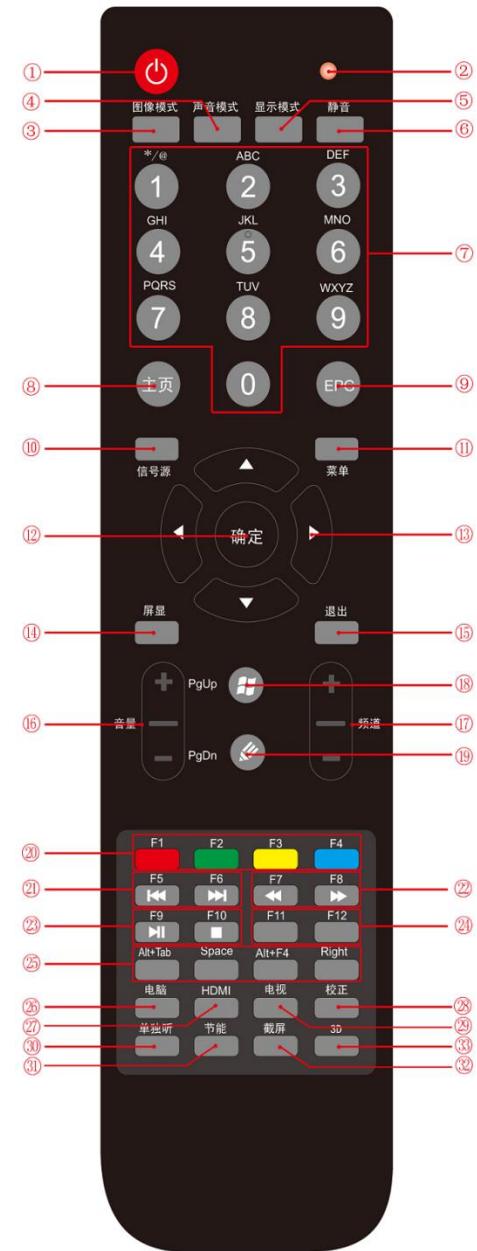
Remote control A

- 1) Standby: turn on or turn off the machine
- 2) Mute: mute or restore the sound
- 3) 0-9 numeric key: selection or input numbers
- 4) DIS: display the screen
- 5) CHLISI: program list under TV ,can be edited,deleted or skipped etc
- 6) INPUT:enter or select source channel
- 7) MENU: enter or exit from the menu
- 8) 、12) 、9) 、10) up/down/left/right: select up/down/left/right
- 11) OK: confirm the selection
- 13) EPG: EPG: application key for DTV
- 14) Exit: Exit
- 15) VOL+/-: VOL+/ VOL- to
- 16) HOME: enter the main page
- 17) 3D: save energy
- 18) CH+/-: select previous channel or next channel
- 19) Screen Display: display the screen
- 20) Play/Pause、Stop: play audio/video or pause audio/video, stop the playing audio/video
- 21) PRSRN: insert a SD card before screenshot
- 22) TV:select TV channel
- 23) Forward/Rewind: Forward or Rewind the audio/video
- 24) Previous/Next: select previous or next page
- 25) Sleep: set start and off time of the sleep
- 26) P.MODE:select image mode as standard, soft etc
- 27) S.Mode: select sound mode as: standard, music, theater etc



Remote control B

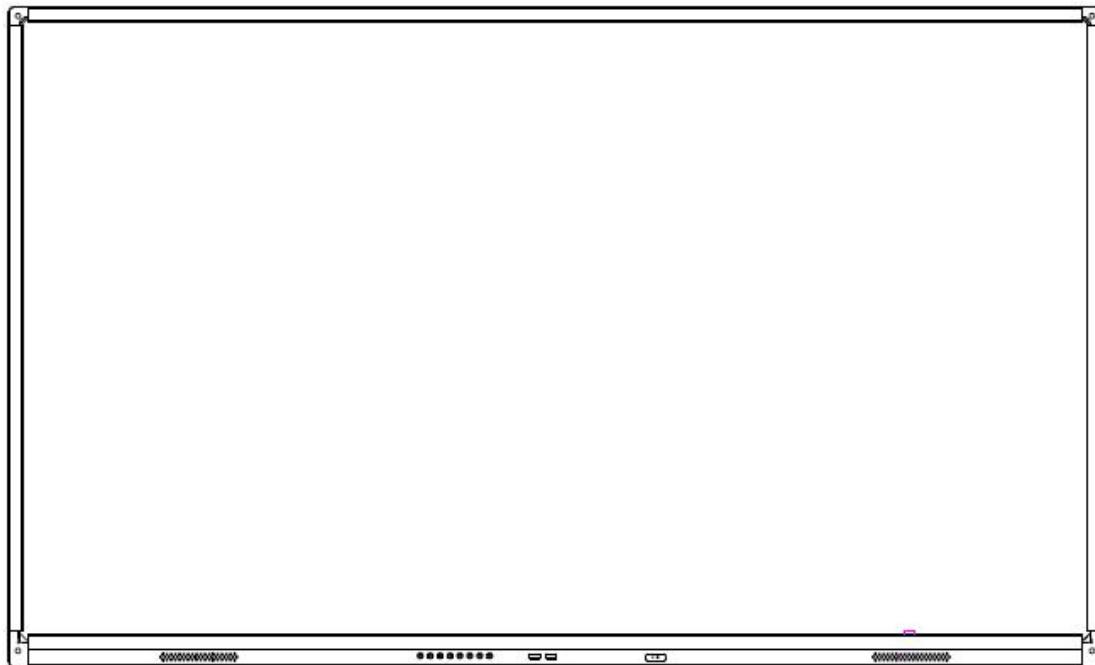
- 1) Standby: turn on or turn off the machine
- 2) Indicator: indicator lights if press any button
- 3) Image mode: select image mode as standard, soft etc
- 4) Sound Mode: select sound mode as: standard, music, theater etc
- 5) Display mode
- 6) Sleep: set start and off time of the sleep
- 7) 0-9 key: ATV/DTV channel selection or input numbers
- 8) Main page: enter the main page
- 9) EPG: application key for DTV
- 10) Audio source: enter or select source channel
- 11) Menu: enter or exit from the menu
- 12) OK: confirm the selection
- 13) up/down/left/right: select up/down/left/right
- 14) Screen Display: display the screen
- 15) Exit
- 16) VOL+/-: VOL+/ VOL- to increase/decrease the volume
- 17) Channel+/-: select previous channel or next channel
- 18) PgUp: previous page
- 19) PgDn: next page
- 20) F1/F2/F3/F4: application key for DTV, same as the function for F1/F2/F3/F4 on computer (activated when connecting to computer)
- 21) F5/F6: previous page /next page, same as the function for F5/F6 on computer (activated when connecting to computer)
- 22) F7/F8 : Forward or Rewind, same as the function for F7/F8 on computer (activated when connecting to computer)
- 23) F9/F10: pause/play/stop, play audio/video, pause audio/video or stop audio/video, same as the function for F9/F10 on computer (activated when connecting to computer)
- 24) F11/F12 : same as the function for F11/F12 on computer (activated when connecting to computer)
- 25) Alt+Tab/Space/Alt+F4/+Right: same as the function for Alt+Tab/Space/Alt+F4/+Right on computer (activated when connecting to computer)
- 26) Computer: select computer channel
- 27) HDMI: select HDMI channel
- 28) Calibration: VGA
- 29) TV: select TV channel
- 30) Liston only: turn on or turn off
- 31) Energy saving: switch between standard and energy saving mode
- 32) Screenshot: insert a SD card before screenshot



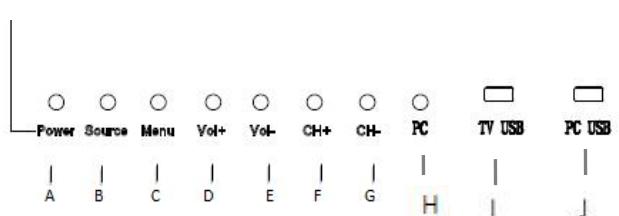
33) 3D: turn on and turn off 2D/3D function

Attention: Shortcut keys for computer on the remote control work normally when touch TV works normally

Control Panel



- **Buttons on front panel**



A-Turn On/Off

B-Source Input

C-Menu

D-Volume+

E-Volume-

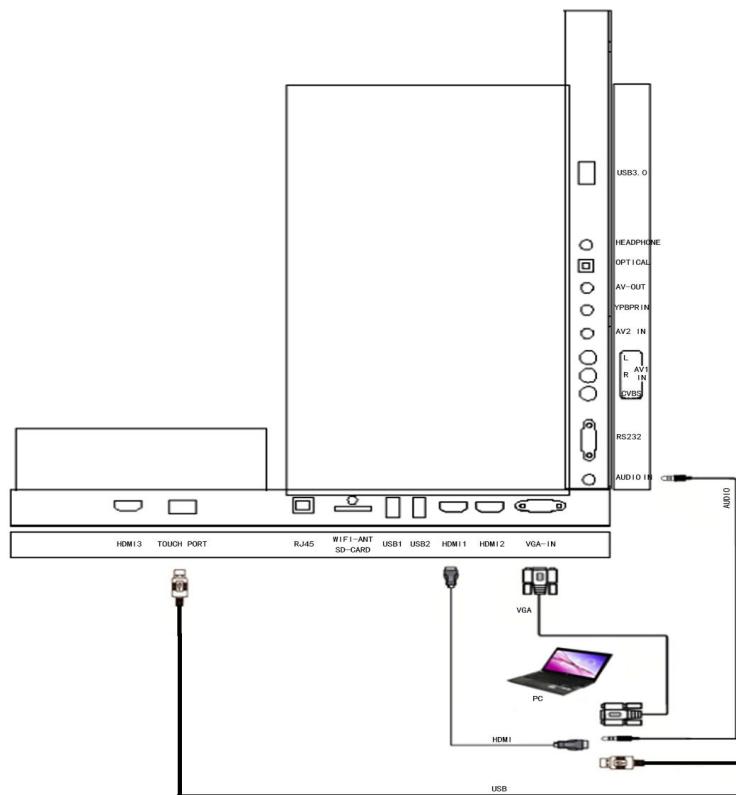
F- Channel+

G-Channel-(Menu item+/-)

H- PC turn on/off

I- TV USB(input)

J- PC USB (input)



Buttons on rear panel

*When HDMI1/HDMI2/HDMI3 connects to the HDMI of computer or DVD etc

When select HDMI1 on “Source”menu, HDMI1 and TOUCHPORT are connected,HDMI2、HDMI3 is disconnected.

When select HDMI2 on “Source”menu, HDMI2 and TOUCHPORT are connected,HDMI1、HDMI3 is disconnected.

When select HDMI3 on “Source”menu, HDMI2 and TOUCHPORT are connected,HDMI1、HDMI2 is disconnected.

* VGA IN: Computer signal input

When select PC1 on “Source”menu, VGA-IN ,AUDIO-IN and TOUCHPORT are connected. AUDIO-IN should be connected to the audio input of the PC.

*OPS: When select OPS on “Source”menu, it will show the interface of the OPS without any connection, works only for products with OPS.

* Y PB PR-IN: Connect to the Y PB PR terminal of the DVD

* AV1-IN 、 AV2-IN: Connect to the AV output of the DVD

* AV-OUT: Connect to the AV-IN of another TV

* RF-IN: Input terminal of TV signal

* USB1 、 USB2 、 USB3.0: Connect to USB Disk

* SD CARD: Insert SD CARD

* RJ45: Wired internet port

Switchover Among Three Signals

*When select HDMI1 on “Source”menu, HDMI1 and TOUCHPORT are connected,HDMI2 、 HDMI3 is disconnected.

*When select HDMI2 on “Source”menu, HDMI2 and TOUCHPORT are connected,HDMI1 、 HDMI3 is disconnected.

*When select HDMI3 on “Source”menu, HDMI3 and TOUCHPORT are connected,HDMI1 、 HDMI2 is disconnected.

● Full Touch

Open the machine, wait till Android characters disappear and screen displays normal and then use finger or touch pen draw straight line from the center of the bottom upwards (the line should be longer then 10CMS). If the menu of the full touch hasn’t appeared, please draw straight line upwards again, the menu of the full touch is as follows:



- Press the buttons directly with your hand or touch pen
- Press EXIT to exit from the full touch interface

Specification Of PC Mode (VGA Input):

S/N	Standard	Resolution	Refresh Rate(Hz)	Horizontal Frequency (Khz)	Vertical Frequency (Hz)	Horizontal/Vertical synchronization unipolarity (TTL)
1	VESA	640X480	60	31.5	60	N/N
2	VESA	640X480	72	37.9	72	N/N
3	VESA	640X480	75	37.5	75	N/N
4	VESA	800X600	56	35.1	56	P/P
5	VESA	800X600	60	37.9	60	P/P
6	VESA	800X600	72	48.1	72	P/P
7	VESA	800X600	75	46.9	75	P/P
8	VESA	1024X768	60	48.4	60	N/N
9	VESA	1024X768	70	56.5	70	N/N
10	VESA	1024X768	75	60	75	N/N
11	VESA	1280X960	60	60	60	N/N
12	VESA	1280X960	75	75.159	75	N/N
13	VESA	1280X1024	60	64	60	P/P
14	VESA	1280X1024	75	80	75	P/P
15	VESA	1600X1200	60	75	60	P/P
16	VESA	1920X1080	60	66.547	59.988	P/P

Supporting format of USB

Multimedia Type	Document Format	File Extension
Picture	JPEG 、 BMP 、 PNG	.jpg 、 .jpeg 、 .bmp 、 .png
Movie	MPEG1 、 MPEG2 、 MPEG4 、 H264 、 RV8 、 RV9 、 RV10 、 MJPEG 、 Divx 、 Xvid	.avi 、 .mpg 、 .dat 、 .vob 、 .mov 、 .mkv 、 .rm 、 .rmvb 、 .mp4 、 .ts 、 .trp
Music	WMA 、 MP3 、 M4A 、 (AAC)	.wma 、 .mp3 、 .m4a 、 .aac
Text	TXT	.txt

Maintaining GuideExplanation

Bellowing situation is not production faulty:

1. if there is a little tiny red, blue, green spots on the TV screen (Highlights spots), or dark spot (scotoma) under some picture, it's not production faulty. because the manufacture of LCD panel requires very sophisticated production technology, it may produce very few pixels too bright or too dark . it's under the international quality standard, would not affect the overall performance of the flat panel.
2. there might be a little noise when the back light adjust or production cooling, it's normal aspect.
3. if the picture and sound without problem, bellowing phenomenon is normal aspect:
 - A. Feel electrostatic when touch LCD screen and the metal shell;
 - B. A little high temperature on screen and its backside.

Self-checking

Please check bellowing question accordingly before require a repair.

Can't start the machine	Whether the power plug is properly connected? Whether there is a barrier between the monitor and remote control receiver? Don't press the switch too many times in very short time, because it designed a protection. Need a few seconds for re-start, when you just shut it down.
No image or image is monochrome	Whether the color is properly adjusted? Whether the format of the color is correct? Whether use the mute function?
No signal when connects to outer devices	Whether the external devices and the monitor are connected properly? Whether choose the correct monitor receiving signal source? Does the external devices work well?
Image is not good as showed in the shop or supper market	Signal source is different Try to change the source to HDMI. Please adjust the resolution of the video output device to 1080i or 720 p Please use HDMI or YPBPR to transfer the high resolution image

Trouble shooting

Problem	Causing	Solution
No touch	Touch Port is not connected or USB cable has problem	1. Please use a new USB cable to test or inspect 2. Check if the Touch Port is broken
	Infrared tube is blocked	Ensure the infrared tube is not blocked
Need calibration every time open the monitor	Infrared tube is blocked or equipped with restore card	Reposition the serving program after turn off the PC
calibration not accurate	Calibration operation incorrect	Use Auto button on the remote control to make the image full screen, then reposition with a pen
There are waves during the writing	Wrong writing method	1. Use a pen to write. Stay away from the tip when holding the pen. 2. The angel between the pen and the screen should be more than 60 degrees(make sure the sleeve and wrist are not too close to the screen)
	Has strong light or interference to the infrared tube	Remove the interference or change to an environment without interference
Lines broken during writing	Writing method incorrect	1. Use the pen to write. 2. Stay away from the tip when holding the pen. 3. The angel between the pen and the screen should be more than 60 degrees(make sure the sleeve and wrist are not too close to the screen)
	The shelter area is not big enough during the writing or the tip of the pen is too sharp	Change the tip or use a pen with big shelter area
	Infrared tube is blocked	Check whether there is something blocks on the infrared tube
	Has strong light or interference to the infrared tube	Remove the interference or change to an environment without interference
Can't write	Color of the pen is the same or similar to the color of the screen	Change the color of the pen
	There are other things on the screen during writing	1. Use a pen to write. Stay away from the tip when holding the pen. 2. The angel between the pen and the screen should be more than 60 degrees(make sure the sleeve and wrist are not too close to the screen)
	Has strong light or interference to the infrared tube	Remove the interference or change to an environment without interference
	Writing method incorrect	1. Use a pen to write. 2. Stay away from the tip when holding the pen. 3. The angel between the pen and the screen should be more than 60 degrees(make sure the sleeve and wrist are not too close to the screen)
Not work in windows 8 system	The laptop with touch screen itself	Connect the VGA or HDMI of touch monitor to laptop first, then connect touch USB.

Touch frame trouble shooting

Problem	solutions
No sound or image	1. Check whether the power cord is connected to the power socket, and whether the power is on 2. Check whether the switch of the screen is opened 3. Check whether the standby button of the panel is opened 4. Check whether the input line of video and audio is normal 5. Check whether switched to the correct signal input source 6. Check the brightness of image and contrast settings 7. Check the volume
Has image but no sound	1. Check the volume 2. Check whether the mute button on the remote control is turned on 3. Check the audio connection between computer and screen
No image or image is monochrome	Adjust the setting of the color Check the format of the color
Image or sound is interfered	1. Find out the interference electrical equipment around the touch screen, move it away 2. Do not share the same power socket with the interference electrical equipment
Malfunction of remote control	1. Replace the battery 2. Clean the top of the launch window of the remote control (whether it is blocked) 3. Check the battery contact point (whether poor contact)

Monitor trouble shooting

Product Energy Conservation

- When you no use it, please set the product to the off state to reduce energy consumption.
- In the premise of watching quality, lowering the brightness of the screen can reduce energy consumption during using.
- The device complies with RF specifications when the device used at more than 20 cm from your body.

If there is malfunction indeed, please power off the touch monitor, pull out the power cable and contact our after-sales on the warranty card for further help.

FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.