



## **HDI *Mobi OS™* Multi-touch Screen Operation Manual**



Remarks:

- Technical parameters and pictures in this manual are for reference only and subject to change without notice. The actual product may differ.
- Before using our product please read this manual carefully and keep for future reference if required.
- This manual should not be copied fully or partially in any kind or manner without written approval of HDI.

# Introduction

Thank you for buying our new generation interactive multi-touch HDTV product. This manual provides you with the necessary information to assist in the operations of this device. If you have further queries please do not hesitate to contact our support team.

HDi is dedicated to developing and improving the performance and reliability of our products. We have designed and manufactured this device with one objective in mind and that is to ensure that our customers' needs and user experience are fulfilled.

Thank you for purchasing this product.

# Safety considerations

## WARNING

1. Do not place containers with liquid on or near this product.
2. Use only dry cloth to clean.
3. Do not block any ventilation holes.
4. Install this product according to manufacturer's specifications
5. A distance of at least 160mm must be kept from this product and other objects and/or walls.
6. Do not install this product near heat sources.
7. This product must be connected to a power point which is appropriately earthed.
8. Use the earthed power plug supplied with this product.
9. Keep the power cord tangle free.
10. Use a properly functioning power point at all times.
11. Disconnect the power plug during a storm or if you intend not to use for a long period of time.
12. This device is a heavy product and when moving, use appropriate equipment to avoid injury.
13. Use qualified technicians to mount the device on the wall and/or mobile trolley. Abide by manufacturers' mounting instructions.
14. Use only qualified technicians for all repairs.
15. Follow instructions when inserting batteries into the remote control unit. Discard all batteries appropriately.
16. Do not use mixed batteries (old and new, carbon-zinc and alkaline).

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The HDi multi-touch display is a combination of two advanced technologies. The IR (Infrared) touch technology and high definition (HD) digital display technology (HDTV) creating the HD Interactive Android Version Multi Touch Screen (MTS). This combination provides the user the ability to interact with an HDTV screen using a finger or any solid object.

## Main functions

### Acute touch

The MTS HDTV is a high resolution touch display screen. Users interact with the MTS using finger, pen or other non-transparent object.

### HD display

The MTS HDTV is a high resolution display monitor.

## Technical specification

size		55"	65"
OSD language	English		
Panel	Resolution	Up to 1920X1080	Up to 1920X1080(standard) Up to 3840 X 2160 (4K/2K)(optional)
AV	Color System	PAL / NTSC / SECAM	
	Composite (in)	1.0 Vp-p±5%@75ohm	
	Audio (in)	500mV rms	
Analog RGB (PC)	Mode	Up to 1920X1080@60Hz	
YPbPr/HDMI	Component	Y: 1.0Vp-p@75 Ω, PbPr: 0.7Vp-p@75 Ω	
	Support format	Up to 1080P	
	HDMI Format	HDMI 1.4 /HDCP 1.2	
USB file system	FAT32, FAT16, NTFS (NTFS compressed file is not supported)		
Input terminals	CVBS/Audio Input	1 X 3RCA (yellow, white, red)	
	YPbPr	1 X MINI3.5MM (three-in-one terminal)	
	USB input	1X USB 3.0-A (horizontal), 2X USB 2.0-A(Vertical)	
	PC-RGB Input	1 X D-SUB 15Pin (blue)	
	PC Audio Input	1 X 3.5mm Stereo audio-in jack	
	HDMI input	3 X HDMI-A (horizontal), one inside.	
	RS232	1XRS232	
Output terminals	AV OUT	1 X 3.5mm Stereo audio-in jack	
Mobi OS™ specification	Processor	Mobi OS™ (Built on Android 4.2.2)	
	Frequency	1.5GHz	
	RAM	1GB	
	ROM	INAND 4GB	
	wifi	2.4G	
	SD CARD port	1	
	RJ 45 port	1	
Voltage range	AC(90~240)V-50/60HZ		
Power consumption	Standby: <1W		
	Rated Consumption:	<150W	<220W

Technical Specification (continued)

size		75''		84''	
OSD language	English				
Panel	Resolution	Up to 1920X1080(standard) Up to 3840 X 2160 (4K/2K)(optional)		Up to 3840 X 2160 (4K/2K)	
AV	Color System	PAL / NTSC / SECAM			
	Composite (in)	1.0 Vp-p±5%@75ohm			
	Audio (in)	500mV rms			
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	Frequency	1.5GHz			
	RAM	1GB			
	ROM	INAND 4GB			
	wifi	2.4G			
	SD CARD port	1			
	RJ 45 port	1			
Voltage range	AC(90~240)V-50/60HZ				
Power consumption	Standby: <1W				
	Rated Consumption:	<250W	<415W	<510W	

Technical Specification (touch parameters)

Working temperature	0°C~40°C
Set up	As per this Operations Manual
Touch points	Single/Two/Four/Six points available
Writing mode	Finger, writing pen or any non-transparent object
Positioning technology	IR technology
Positioning accuracy	<2mm
Positioning resolution	4096*4096/16384*16384/32768*32768
Writing response time	<8ms
Cursor speed	>180 dot/sec
Communication port	USB
Operating system	WINDOWS/LINUX/MAC /Android
PC response	System auto response

*Remark:*

*Above mentioned parameters are for standard models and are subject to change without notice.*

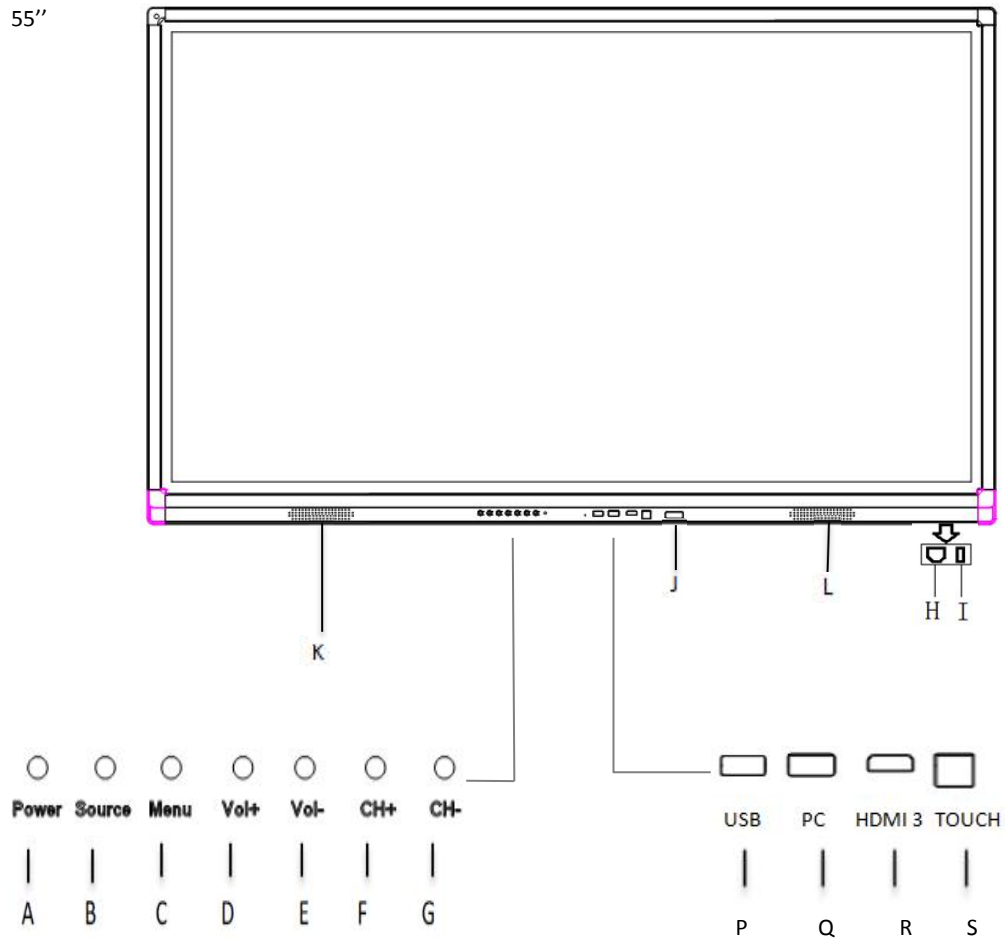
Dimensions and weights

size	N.W. (KGS)	G.W(KGS)	Display size	Dimension(outline)	Dimension(package)
55"	40±2KGS	53±2KGS	1209.6*680.4 mm	1283.5*781*81mm	1430*910*190mm(carton)
65"	68±2KGS	84±2KGS	1428.5*803.5 mm	1547*936*93mm	1680*1050*220mm(carton)
75"	82±2KGS	104±2KGS	1650*928mm	1714*1012*90mm	1845*1145*220mm(carton)
84"	107±2KGS	125±2KGS	1860.48*1046.52mm	1942*1154*84mm	2084*1325*225mm(carton)

**Note: Reference only**

## Front panel of interactive display

55"



J-RCU receiver and button lamp

A-Turn On/Off  
 B-Source input  
 C-Menu  
 D-Volume+  
 E- Volume-  
 F- Channel+  
 G-Channel-(Menu item+/-)

H-Power in, AC110-220V  
 I-Switch

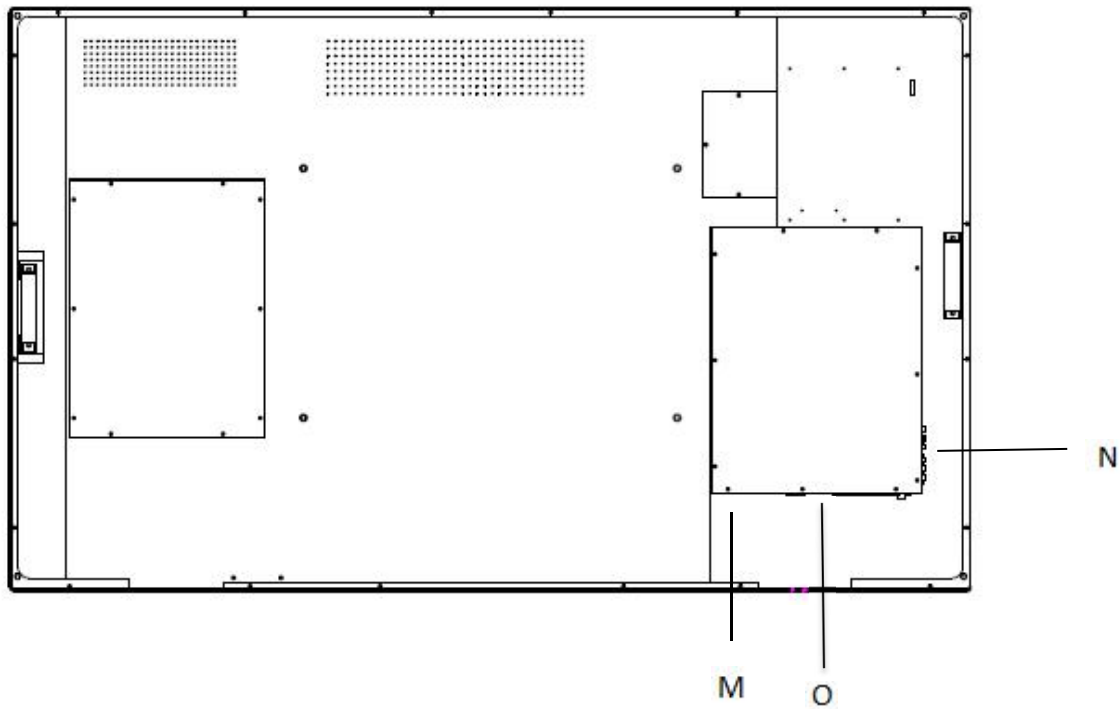
K & L - Speaker

P-Android USB  
 Q-PC USB  
 R- HDMI 3  
 S-TOUCH USB

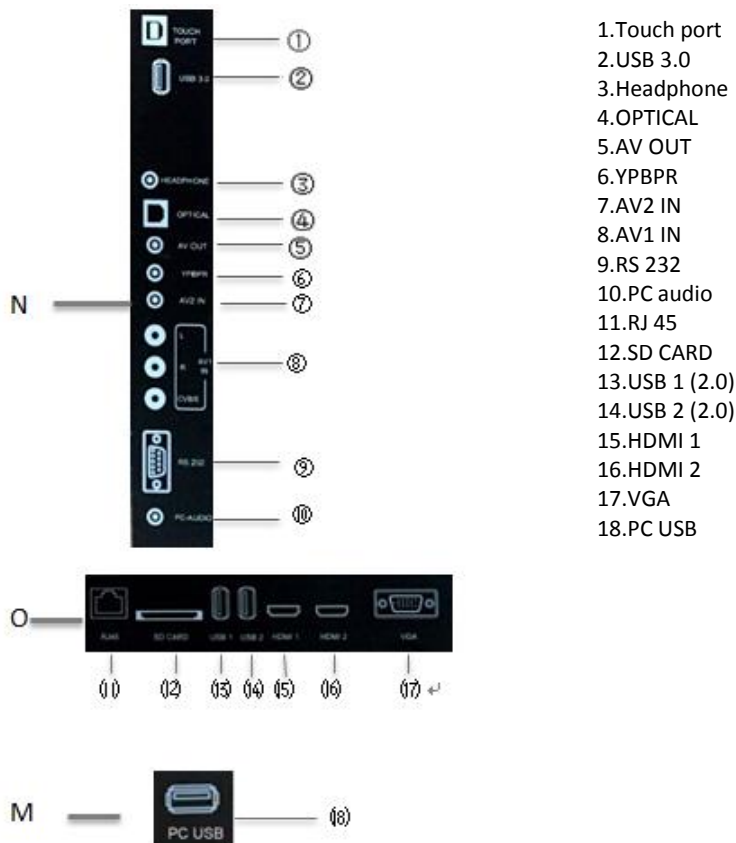
*Note: Front panel picture for reference only may differ from actual product*



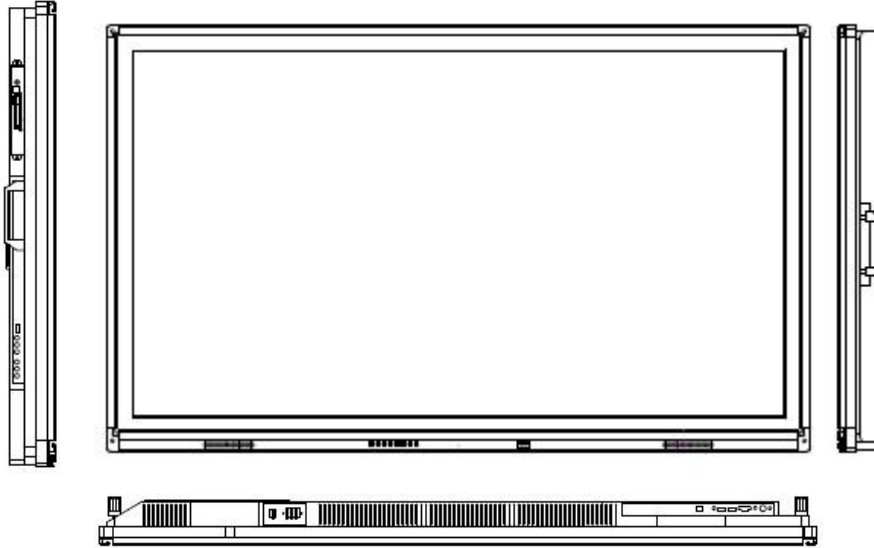
## Rear view of interactive display



Note: Reference only may differ from actual product



## Side/rear port description



Side View

*Remark: For reference only.*

Video Input: Connect VGA cable with interactive touch HDTV and source.

Audio Input: When using VGA input, an audio cable is needed to connect PC and HDTV.

Touch Input: Using a USB cable to connect PC and interactive touch HDTV

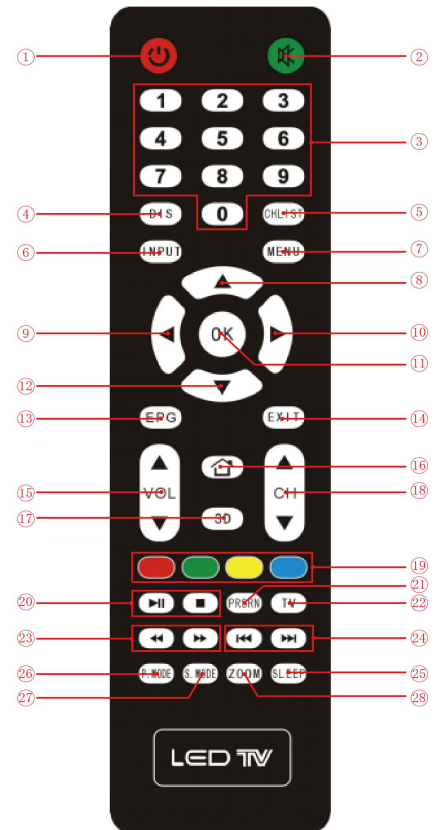
Packing List

No.	Part name	Quantity
1	RCU (Remote Control Unit)	1
2	Warranty Card	1
3	USB cable (1.5 Meter, B-type)	1
4	USB cable (1.5 Meter, A-type)	1
5	Writing Pen (3 pieces with different color)	1
6	Marker	1
7	Accessory Box	1
8	CD for Touch frame	1
9	User Manual	1
10	Wall Mount Brackets	1
11	Wall Mount Screws	4
12	Power cable (1.8 meter, Australia specification)	1
13	VGA cable (1.8 meter, black)	1
14	HDMI cable (2 meter, black)	1
15	Audio cable (1.5 meter, black)	1
16	AAA Batteries	2
17	Desiccant Packs	2

## RCU (Remote Control Unit)

- 1)Standby: turn on or turn off the machine
- 2)Mute: mute or restore the sound
- 3)0-9 numeric key: selection or input number
- 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 screen shot
- 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

**Note: not all features are applicable.**



# Introduction of OSD

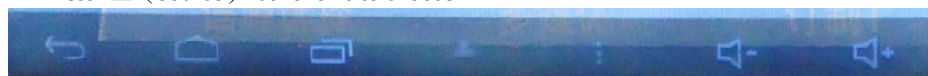
## Operation of OSD — How to choose source input

1. The source input can be selected by three different methods.

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 showed as follows after choosing the "Source"

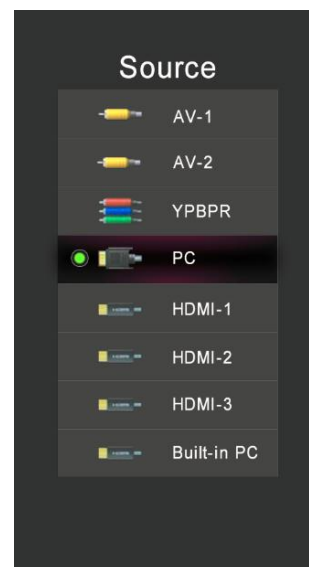
3. When "Source" showed as above, there are three ways to enter it :

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. Source can also be selected by the Full Touch Menu. Please refer to the details at the introduction of Full Touch Menu.



## Introduction of "Set" Menu

1. The "Set" Menu can be selected by three different methods.

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



1.2 Enter from the "Menu" by the remote control.

1.3 Enter from the "Menu" on the front panel.

2. "Set" Menu options can be selected by two methods.

2.1 Directly click the icon to choose.

2.2 Press "▲▼" to select. (Setting: Picture, Sound, 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 the submenu (purple color light means to 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 the wanted submenu (purple color light means to be selected)



### \*Adjust

- 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 the wanted submenu (purple color light means to be selected)

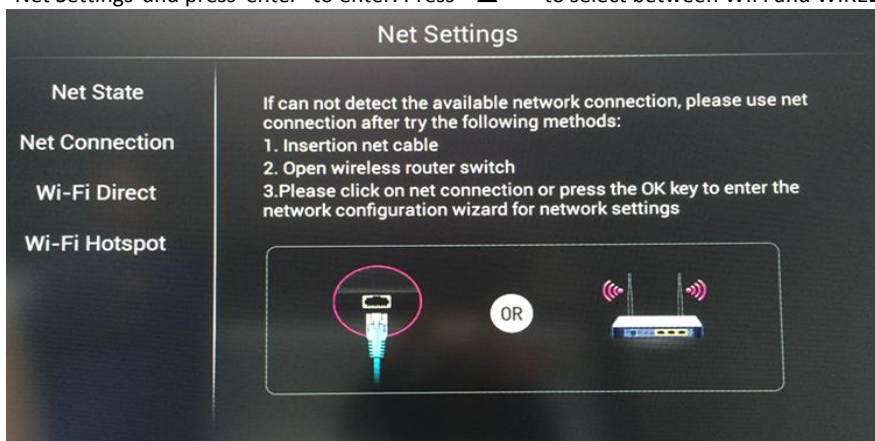


## How to use

### Network setting

Choosing the net connection mode and setting up the right number.

Press "main page" to enter, press "▲▼◀▶" button to select [system setting] and press "enter". Press "▲▼" button to select "Net Settings" and press "enter" to enter. Press "▲▼" to select between WIFI and 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:

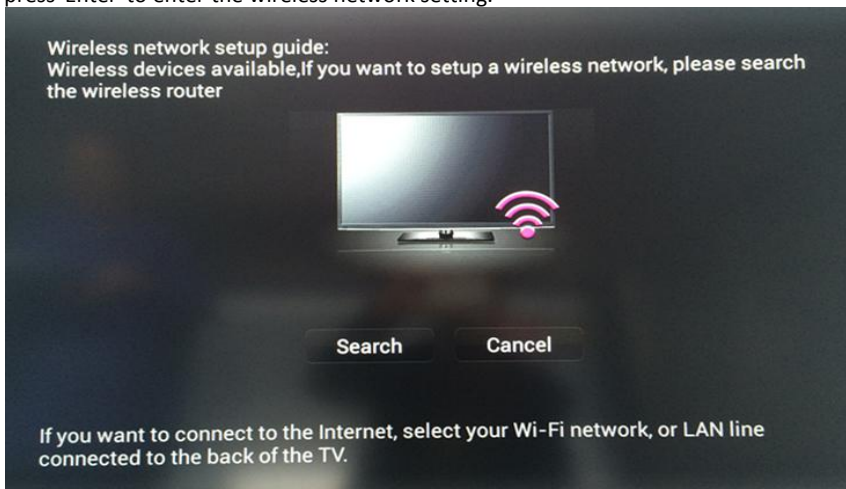
- 1) Press "◀▶" to select "automatically to get IP address" [Close]
- 2) Press "▲▼◀▶" to select the number to be changed, press numeric keys to input the [IPv4 Address], [Subnet Mask]、[Default Gateway]、[DNS address]
- 3) Press [Save] and press "Enter" to save the IP address. Press "▼" to select [Next]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

#### B. Wireless Network Setup

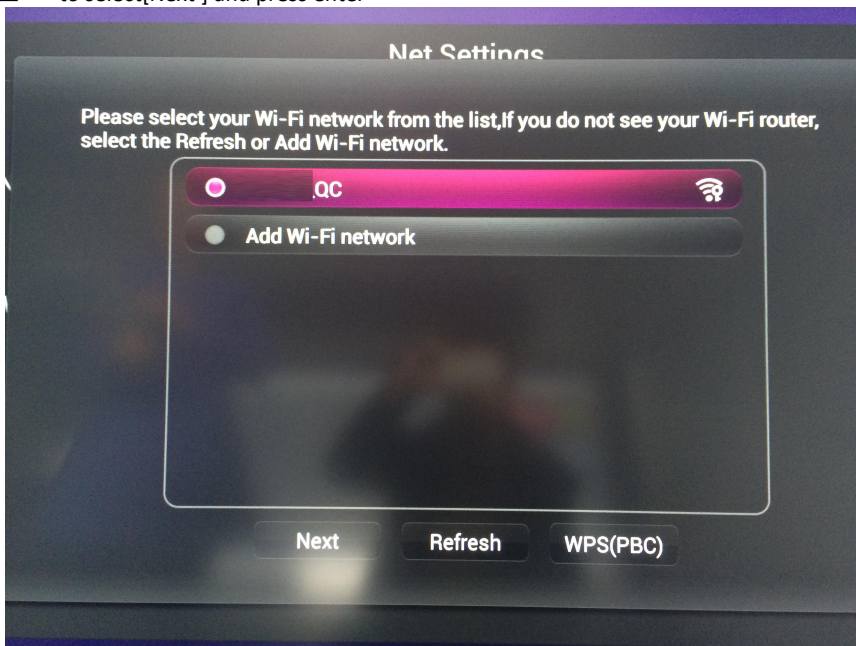
- 1) The system will search the available wired and wireless network automatically, press "◀▶" to select [Wireless Network] and



press "Enter" to enter the wireless network setting.

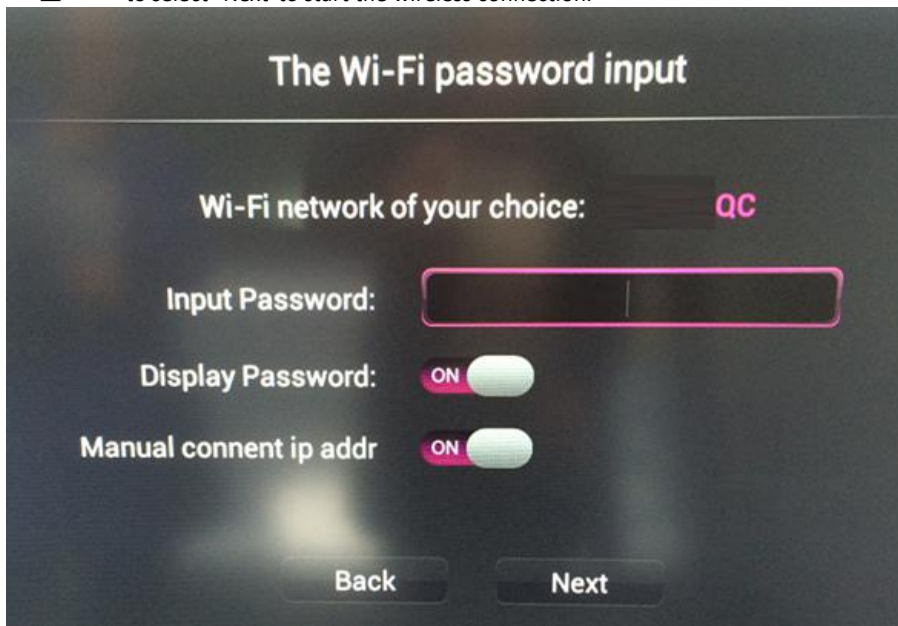


- 2) Press "◀▶" to select [Search] to enter the network setting, press "▲▼" to select the WI-FI network from the list, press "▲▼" to select [Next ] and press enter



- 3) Password: Input the WI-FI password, press "Enter" and then press "▲▼◀▶" to select [Finish] and press "Enter", then press "

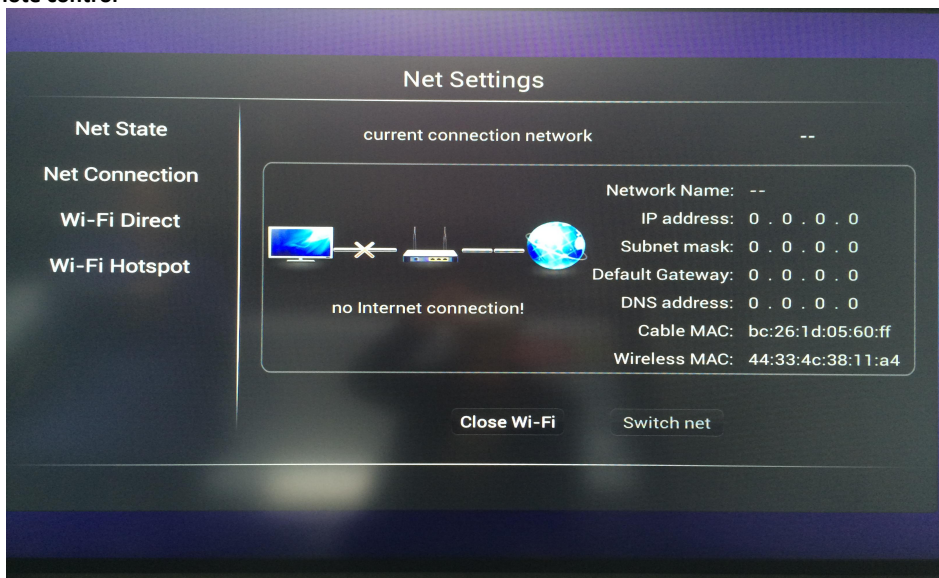
▲▼◀▶" to select "Next" to start the wireless connection.



## Network Status Lookup

Check the connection status.

### Remote control



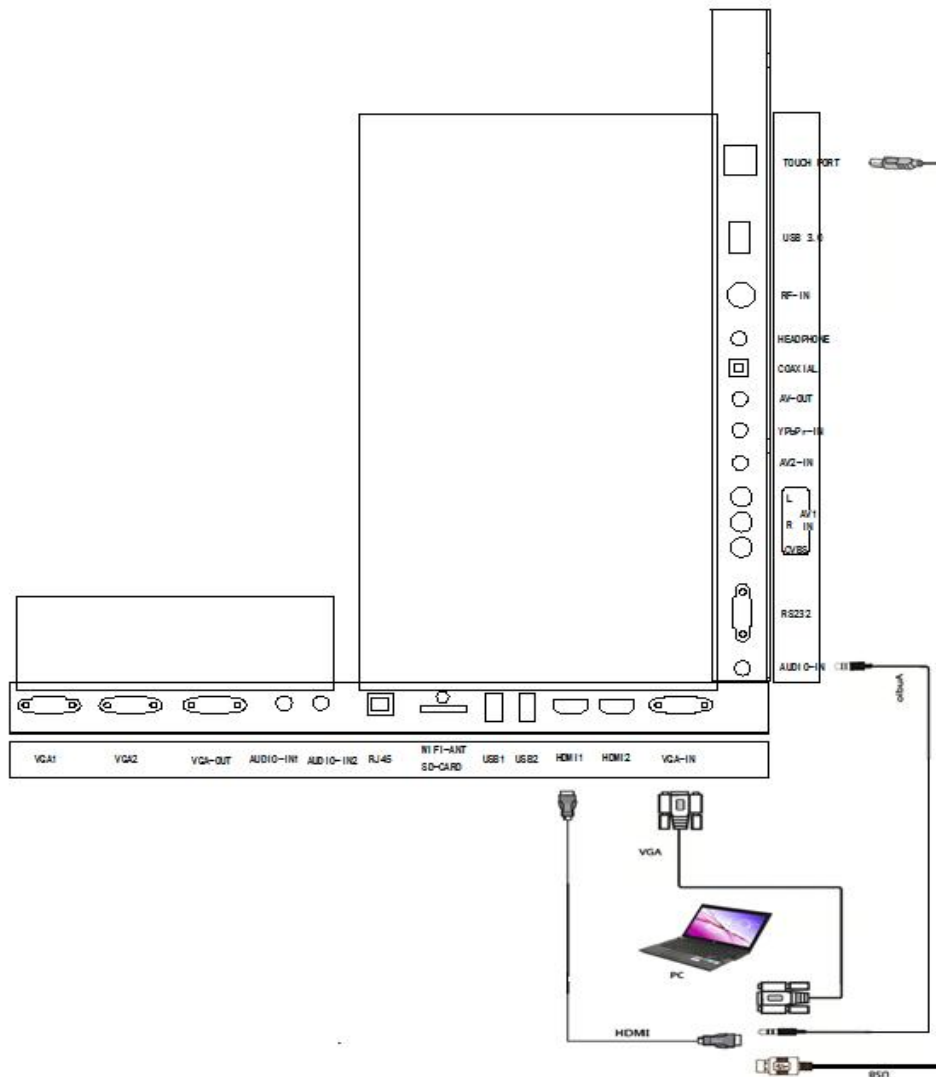
## Full Touch

Open the MTS, Android characters will disappear on the bottom right corner of screen, and then using finger or touch pen draws straight line upwardly (the line should be longer than 10CMS) in the middle of the border-bottom. If the menu of the full touch does not appear, please try it again, and see the picture of Menu as follow:

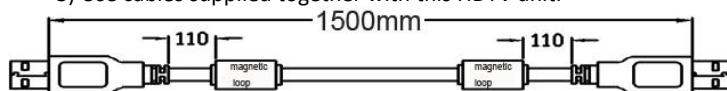


## Connecting PC

- 1) Leave the HDTV unit powered off
- 2) Using the VGA or HDMI cable connect the HDTV unit VGA or HDMI port with that of the PC



- 1) Connect USB cable to the PC and to the touch port of the HDTV unit.
- 2) Power up the HDTV unit and use the remote control unit (RCU) to select input source (HDMI Source)
- 3) Use cables supplied together with this HDTV unit.



The HDTV unit has a driver-less touch frame.

Connect the USB cable to

Once the USB cable is connected, the touch function means to be ready..

Allow a few seconds for the HDTV to register the connected PC.

### Maintenance of touch frame

- 1) The IR technology is sensitive to excessive dust
- 2) Keep the screen surface free from dust
- 3) Clean with a soft dry cloth

### Trouble shooting

No Signal

- Possible Causes: Connecting ports damage, VGA or HDMI line failure, Source input selection error, VGA or HDMI line not fixed connected

- Corrective actions: Re-connect VGA or HDMI line and check if it is fixed firmly
- Select the right input source

#### No Audio

- Possible causes: audio line not connected, check audio output from PC (e.g. volume, mute, etc.)
- Corrective actions: Ensure audio cable is connected if using VGA, check volume and mute output in PC

#### Touch frame issues

- Off calibration
- Corrective action: Re-do the calibration, using Windows or IR frame calibration software included with the HDTV unit,

Check display resolution of your PC

#### Touch point drift.

- When the cursor drifts away from the touch point.
- Corrective action: Ensure there are no 'other' accidental touches from sleeves, elbows, etc.

#### Only single touch

- Check if your PC has installed WIN7 or higher version OS
- Check that the software you are using is multi touch capable
- Corrective action: Install and use multi touch capable OS and application software.

### Trouble shooting for HDTV problems

#### No audio and picture

- Check if the power is on and power cord connected firmly with power supply
- Check if you have turned the power button on – rendering the unit on standby
- Check brightness and contrast setting
- Check volume
- Check the Source selection is appropriate

#### Picture but no audio

- Check volume
- Check if the mute button is activated in the RCU

#### No picture or only black and white picture

- Adjust color setting
- Check if the color format is right

#### Disturbance in audio and picture

- Relocated HDTV unit
- Plug the power line to another power socket

#### Non responsive RCU

- Change batteries
- Clean RCU emitting window
- Unblock the receiving window at the HDTV unit
- Check batteries' contact points.

### RoHS Standards

#### Marking for toxic and hazardous substances and elements

Part name	Toxic and Hazardous Substances or Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium Cr(VI)	Polybrominated Biphenyl (PBB)	Polybrominated Diphenyl Ether (PBDE)
Housing	o	o	o	o	o	o
LED screen	x	o	o	o	o	o
PCB parts	x	o	o	o	o	o
Power line/Connection line	x	o	o	o	o	o

RCU	o	o	o	o	o	o
Accessories	x	o	o	o	o	o

\* : PCB parts includes PCB board and its components, such as resistor, capacitor, IC, connector etc.  
o: Represents toxic and hazardous substance content contained in all homogeneous materials of designated part below National Standards of SJ/T 1364-2006.  
X: Represents toxic and hazardous substance content contained in one of homogeneous materials of designated part all meet EU ROHS standard, and PCB parts related Lead is exempted from Eu RoHS, and the maximum content is **946166.7 ppm**.

Remark: Environmental protection life time 10 years. Use under temperature of 5°C ~ 35°C, all toxic and hazardous substances will not leak.  
Environmental protection life time of this product does not include batteries.