



Direct National's:

*Smart-Pad Interactive Touch Screen Operation
Manual*

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SECURITY WARNING

Product components of input voltage which is higher than safety voltage should be installed or placed out of children's reach.

Please use this product's standard power cable instead of other types to avoid burning the monitor and cause security risk.

In case of electric shock, the back cover should not be opened by non-professional maintenance staff.

Before operation, please make sure there is compatibility between the local voltage value and the monitor's rated voltage value. In circumstances where the monitor will not be used for a long time, the user should pull out the plug from the power socket.

Please use a three-phase power supply socket and make sure the earth wire is well connected.

Do not install or put the machine on places with heat source such as hot stoves, heat-transfer tubes, power amplifiers, sources of direct strong light, dust, high humidity and places with mechanical vibration. In order to achieve better performance, please keep the monitor away from high voltage distribution networks, large metal objects, radar station etc.

When abnormal sound and smell appear, cut off the power supply and unplug the device immediately. Stop using it and ask professional staff to resolve the problems until they are fixed.

If the monitor will not be used for a long time, please unplug the power cable for safety.

Avoid liquid and metals getting into the machine. If any liquid or metal fall into the machine, please shut the monitor down and cut off the power supply immediately and contact professional maintenance personnel to repair.

Do not use chemical reagent to wipe the machine. Solvent may cause the cover's deterioration or damage to the paint surface. Disconnect the power supply and wipe it with a warm wrung cloth if there is dust or dirt. Use a clean soft cloth to wipe the screen part gently.

Do not switch off/on machine frequently in a short period, as it will affect the lifetime of the interactive touch monitor. After the normal shutdown, please wait about three minutes or longer before turning the machine back on.

In order to extend the service life of the LCD screen, please do not set display brightness and contrast to the maximum value for a long time.

Do not place the interactive touch monitor on unstable stands, brackets or tables, as the interactive touch monitor may fall down and cause damage.

You should be careful when moving the interactive touch monitor to avoid it being hit, squeezed etc. Pay particular attention to the protection of the screen part to avoid glass breaking and causing damage.

You should follow the manufacturer's instructions and use the manufacturer's recommended installation accessories when you install the machine.

The wall mounting installation is available in normal cement wall, solid wall and wood wall which can withstand three times the weight or more. Please ensure good ventilation conditions.

For the mounting on special walls (such as: steel structure wall, hollow structure, glass, marble, etc.), it is recommended that you evaluate the force bearing of the wall first in case of emergency.

Avoid the interactive touch monitor being exposed to direct sunlight, as this will accelerate the interactive touch monitor aging and may cause malfunctions in the touch device.

Do not use hard objects to write on the touch screen monitor in case of scratching the glass and affecting the display.

INTRODUCTION

Our interactive touch monitor is a multi-functional teaching resource. It contains functions of interactive teaching, digital presentation, multimedia presentation, touch control type operation, handwritten input, etc.

From design to manufacturing we have embraced the design and functionality of the Smart-pad and incorporated characteristics for educational facilities. With easy and intuitive operation our Smart-Pad has digital and intelligent control; write, modify, delete, arbitrary functions by using a finger or any nontransparent object.

SMART-PAD: Customised for teaching, meetings and conference systems.

Equipped with high brightness, high contrast screen display, the Smart-Pad screen is still clearly visible under strong light within an indoor and outdoor environment.

When in need of low brightness display, you can choose to enter the automatic energy saving mode, reduce the backlight brightness, to achieve energy saving and environmental protection purpose.

The touch monitor uses advanced infrared touch sensor, HID without drive, plug and play.

Simulated mouse operation.

Supports multi-touch - up to ten points of touch.

MAIN VIEW OF MONITOR



ACCESSORIES INCLUDED

			
<p>USER MANUAL</p>	<p>POWER CABLE</p>	<p>TOUCH USB CABLE</p>	<p>AUDIO CABLE</p>
			
<p>REMOTE</p>	<p>TOUCH PENS</p>	<p>VGA CABLE</p>	<p>WALL MOUNT KIT</p>

INSTALLATION NOTICE

BEARING: Use the rack or mount that is designated by the manufacturer. If the mounting bracket is not from the manufacturer, the bearing capacity should not be less than 4 times its actual bearing weight. The bearing capacity of the supporting disk for bearing the rack should not be less than 4 times its actual bearing weight, and make sure the interactive monitor is stable.

The mounting surface bearing the interactive monitor should be firm with enough bearing capacity and should not be less than 4 times its actual bearing weight. When the mounting surface is the wall or rooftop of buildings, it must be solid brick, concrete or other strength equivalent mounting surface. If the mounting surface is made of loose materials (old building brick wall, woodiness, solid brick wall, metal or non-metal structures, or the decoration layer of the mounting surface is too thick, the strength of surface is obviously deficient and corresponding reinforcement and support measures should be taken to avoid safety hazard.

HEAT DISSIPATION

COOLING VENTILATION Requirements	Distance to mounting surface(cm)			
	Left/right	Top	Bottom	Back
Nominal output				
Above 100W	10	20	20	10

Notes: When the monitor inlay wall or box, the vent area of bottom/flank/top sides should be no less than 50% of packing surface and air circulation need to be kept well.

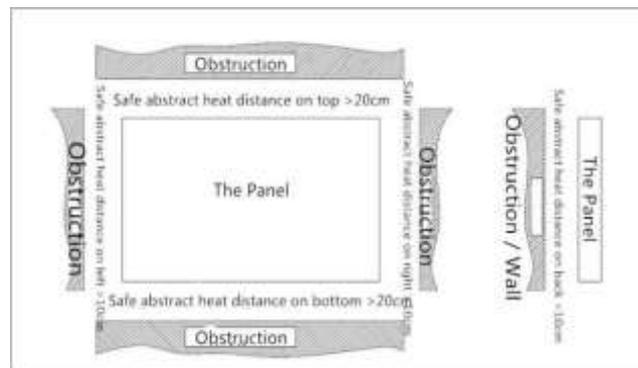
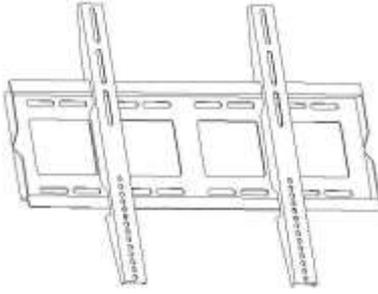
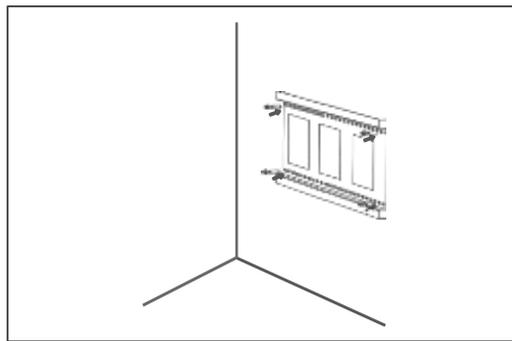
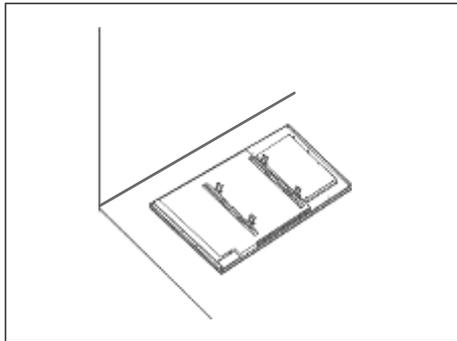


Diagram: * Refer to CAS 132-2006 Standard

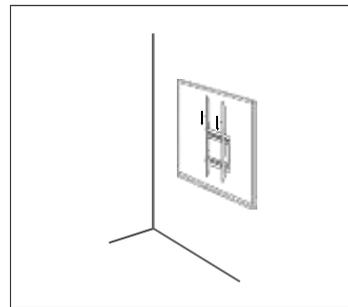
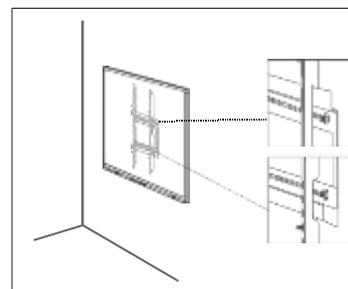
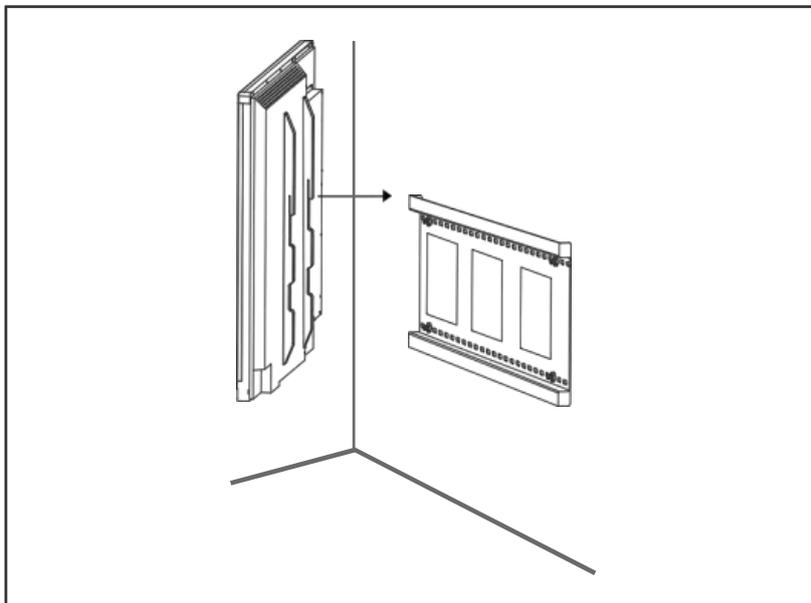
INSTALLATION INSTRUCTION



STEP ONE: *Install the holder onto the back of the mount*

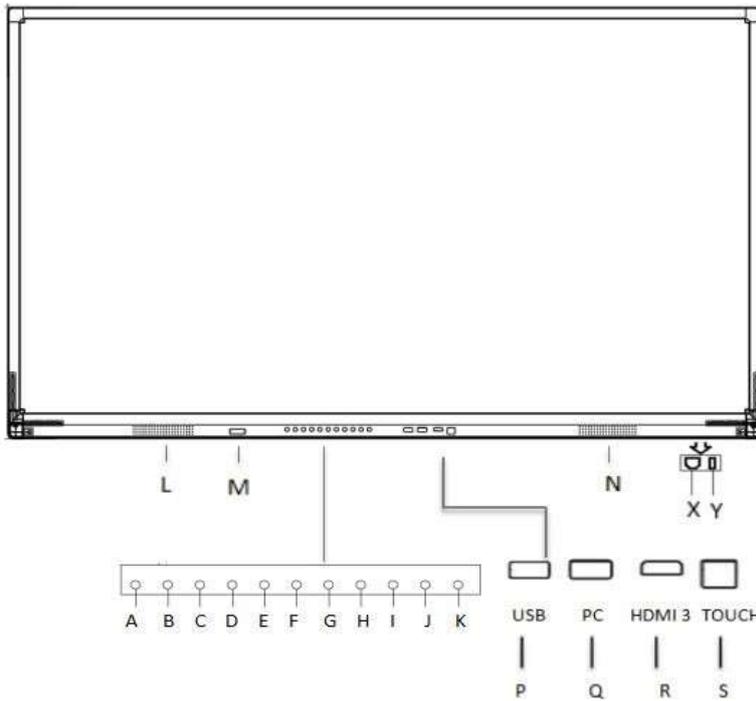


STEP TWO: *Install the wall holder parts to the wall*



STEP THREE: *Install interactive Smart-Pad panel to mount and secure with bolts*

CONTROL PANEL



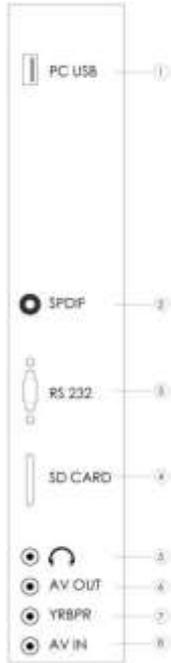
Note: Front panel picture for reference only may differ from actual product

S/N	ITEM	Description
A	POWER	Turn on/off the panel
B	Source	Go to the source menu
C	Menu	Display/exit(back to previous level) OSD menu
D	VOL+	Increase the volume
E	VOL-	Decrease the volume
F	CH+	Choosing the next channel
G	CH-	Choosing the previous channel
H	PC	Built-in OPS power on/off key(If no OPS,no functions)
I	ES	Turn ON/off Energy-saving mode, in this mode, sound is keeping, display will turned off
J	Enter	Confirm the choice

K	Home	Back to Android home page
P	Android USB	Multimedia USB input of Android system, support playing
Q	PC USB	Multimedia USB input of OPS, support playing documents, pictures, audios, and videos directly
R	HDMI 3	HDMI 3
S	TOUCH USB	External PC Touch port, need PC connect to HDMI 3
M	IR receiver	Remote controller signal receiver
L&N	Speaker	Speaker
X	Power in	AC110-220V
Y	Switch	Physical power on/off

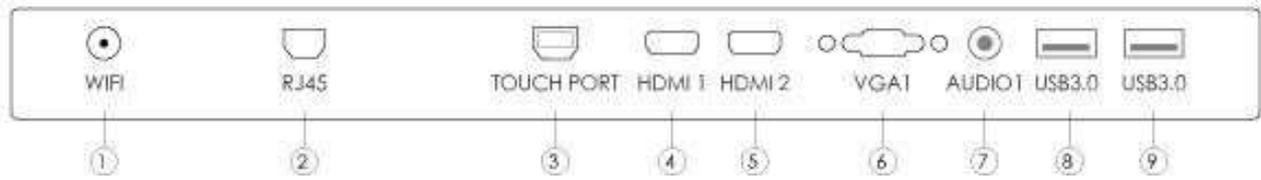
INTERFACE PANEL

Back Ports I:



Number	NAME	FUNCTION
1	PC USB (optional)	For external PC USB port transfer to front PC USB port, if have Bulit-in PC, this one will be not exit
2	SPDIF	Coaxial output
3	RS232	serial communication transmission of data control
4	SD CARD	SD card slot, support max 32GB SD CARD
5		Headphone output
6	AV OUT	AV OUT
7	YPbPR	Coaxial output
8	AV IN	AV IN

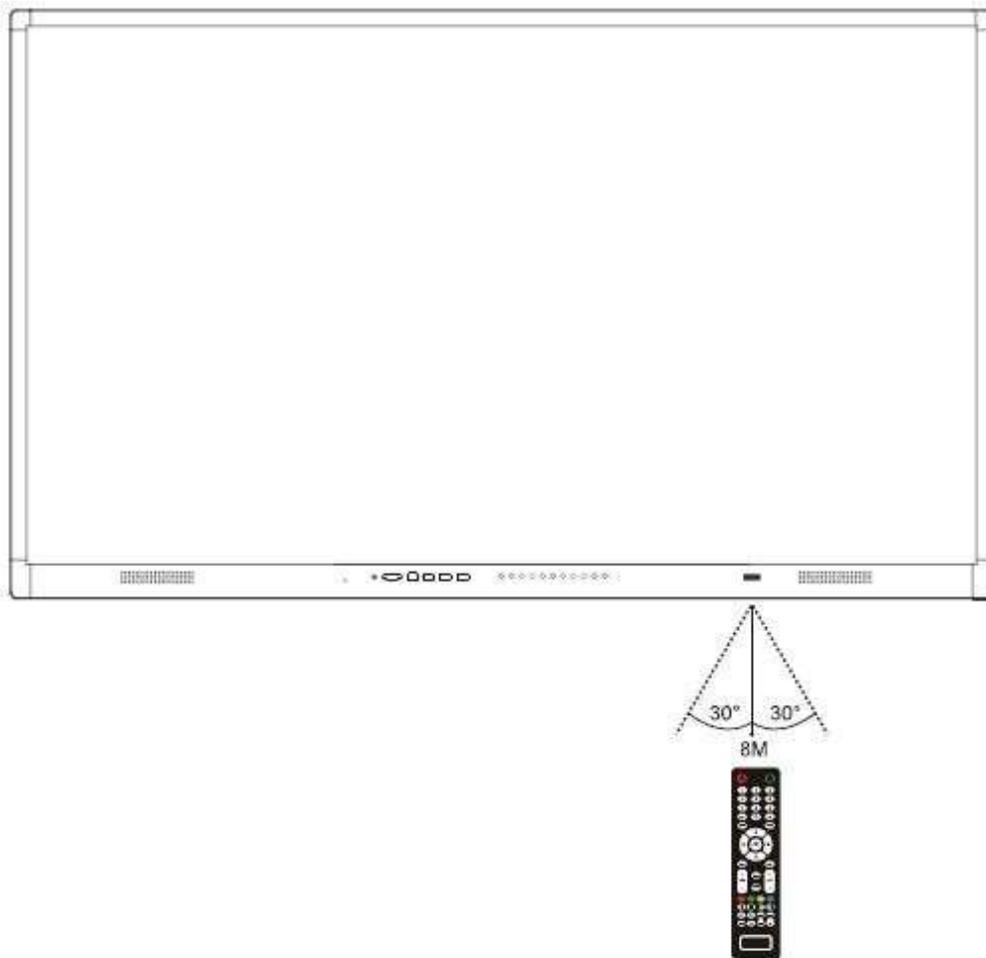
Back Ports II:



#	NAME	FUNCTION
1	WIFI	WIFI antenna
2	RJ45	Wired network port
3	TOUCH USB	Touch port
4	HDMI 1	HD multimedia signal input 1
5	HDMI 2	HD multimedia signal input 2
6	VGA1	External computer video input
7	AUDIO1	External computer audio input 1
9	USB 3.0	support playing documents, pictures, audios, and videos directly under android

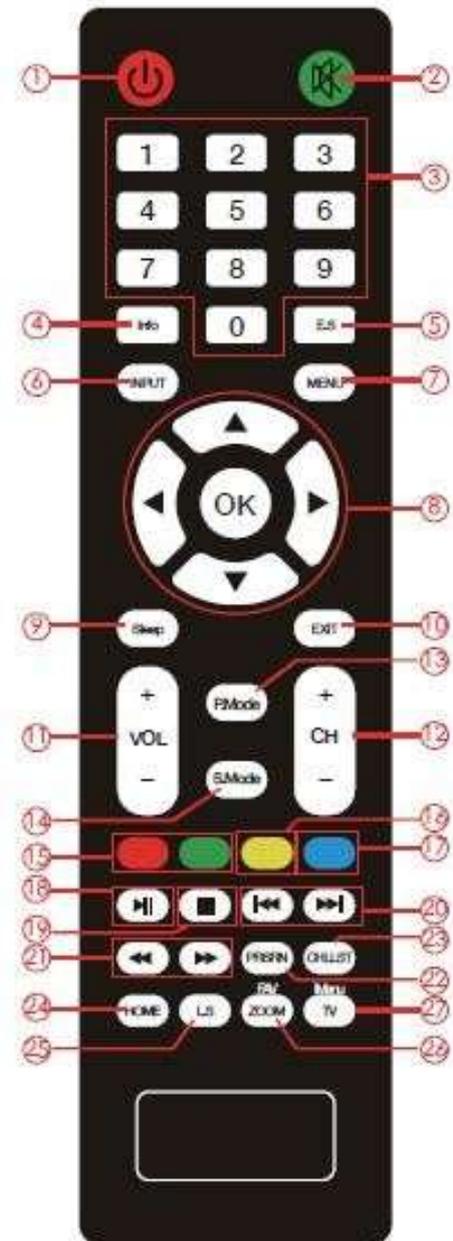
REMOTE CONTROLLER SPECIFICATIONS

BATTERY INSTALLATION



Remote controller instruction

- 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) Info: display the screen information
- 5) E.S: energy-saving. On E.S mode, display will be turned off, audio keep working.
- 6) INPUT: enter or select source channel
- 7) MENU: enter or exit from the menu
- 8) up/down/left/right and OK: select up/down/left/right and the selection sleep: Sets a timer to turn off the interactive flat pane
- 9) Exit: Returns to previous menu
- 10) VOL+/-: VOL+/ VOL- to
- 11) CH+/-: menu up and down select
- 12) P.Mode: adjust picture mode
- 13) S.Mode: adjust sound mode
- 14) N/A
- 15) Display: Turns on/off the screen display
- 16) Touch button: Turn on/off touch
- 17) Play/.Pause : play audio/video or pause audio/video
- 18) Freeze: Freeze/unfreeze the display and sound



Previous/Next: select previous or next file

21) Forward/Rewind: Forward or Rewind the audio/video

PRSRN: screen shot button, save the picture in SCREENSHOOT file.

CHLLS: N/A

Home: back to Android Home page

25) L.S: N/A

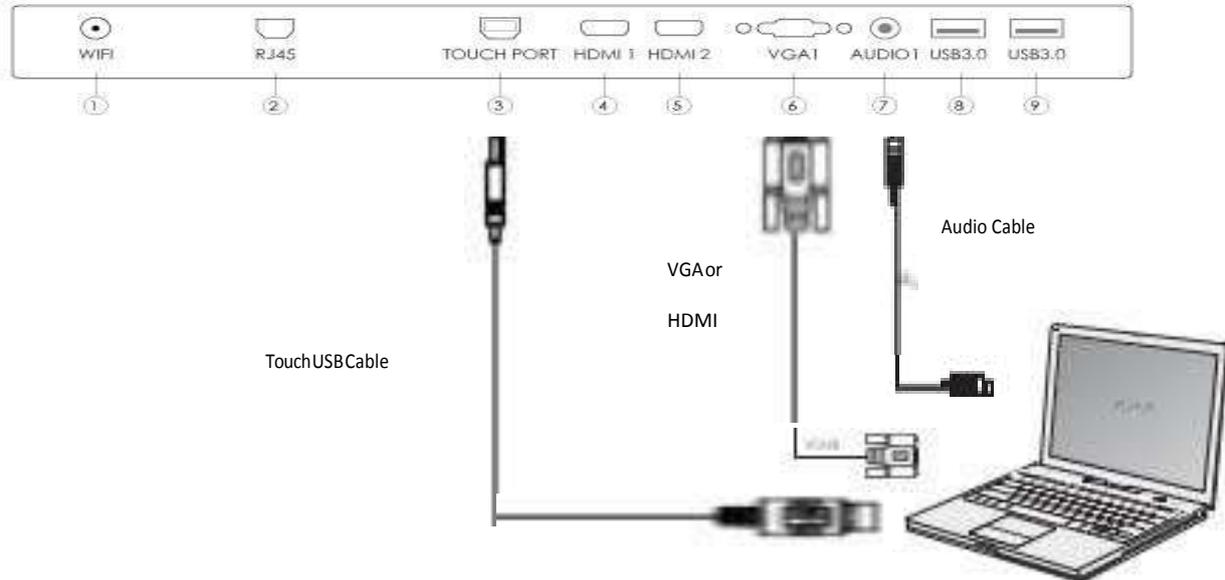
26) Zoom: display ratio selection, support

16:9,4:3, auto, full screen, just scan, 14:9,dot to

dot, default.

27) TV: N/A

CONNECTION DIAGRAM



How to connect your PC to the Smart-Pad

- 1) Connect VGA/HDMI Cable, PC Audio Cable, Touch USB Cable to Laptop
- 2) Connect HDMI Cable from HDMI 1 or HDMI 2 to HDMI of Laptop, connect Touch USB Cable to Laptop.

OPERATION INSTRUCTION

Power On

Make sure to use AC 100~240V 50/60Hz as the power supply for the interactive touch screen monitor.

Turn on the power key (near the Power port) of the touch screen (the index light will be red).

The touch screen will enter into active condition once powered, if you don't need the touch screen enter into active condition after it is powered. If the monitor you choose is not the model which will not auto go to active condition, then you can turn on touch monitor as per bellow steps.

Turn on the "Power" key on the touch screen or "standby" key on the remote to power the touchscreen (the index light will be in green), then press "PC" key on the touchscreen to turn on the PC (Only available for the touch screen with built-in OPS).

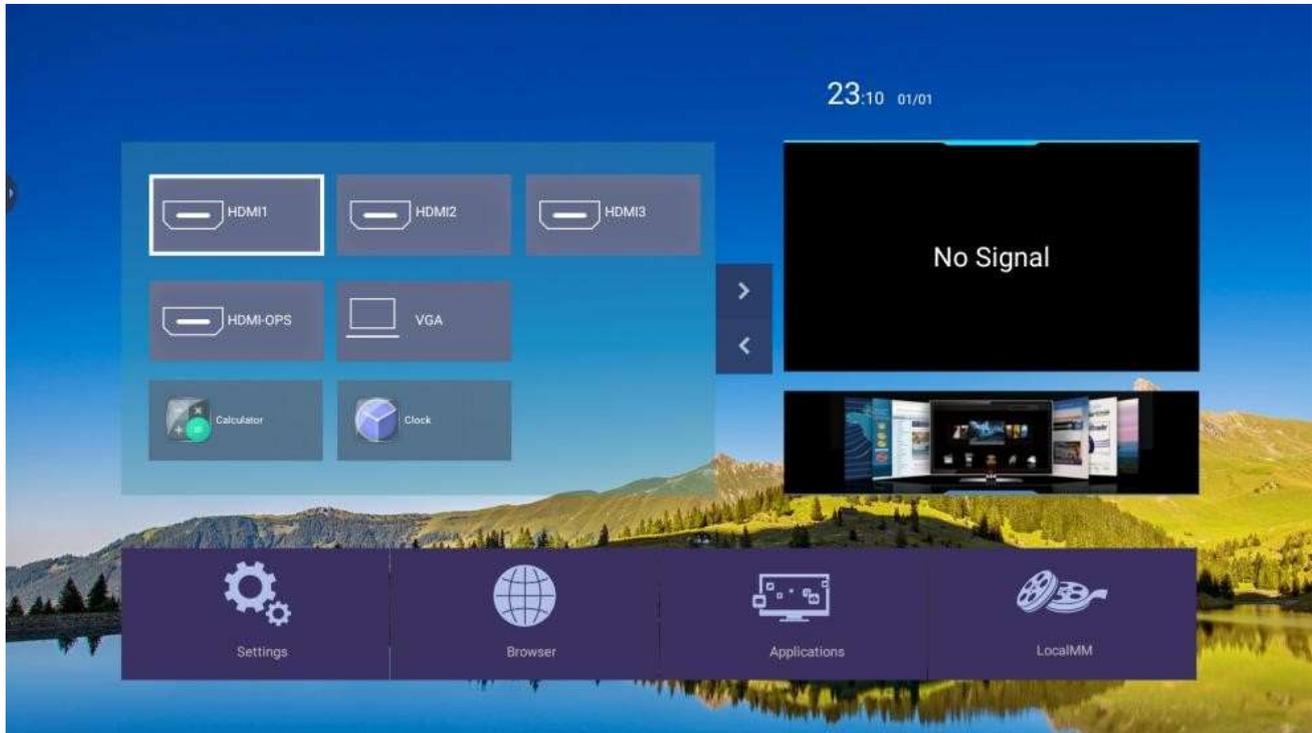
Power off

Press "Power" key on the touch screen or "Standby" key on the remote when you want to shut down the touch screen.

If you want to shut down the touchscreen completely, please turn off the power key under the right bottom of the touch screen in the situation of standby.

If it is with OPS, please power off the PC first before turn off the power of monitor. Recommend to turn off OPS via Windows. If to turn off OPS physically, then press PC button on front frame or on the OPS port panel.

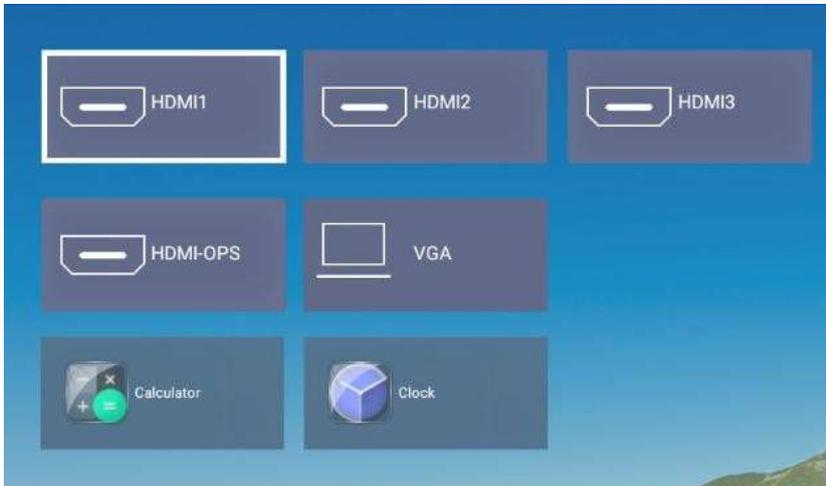
HOW TO CHOOSE SOURCE CHANNEL



Three ways as follows to choose the source channel: touch the source you want and already connect on the screen

Step 1: touch the source you want, such as HDMI1

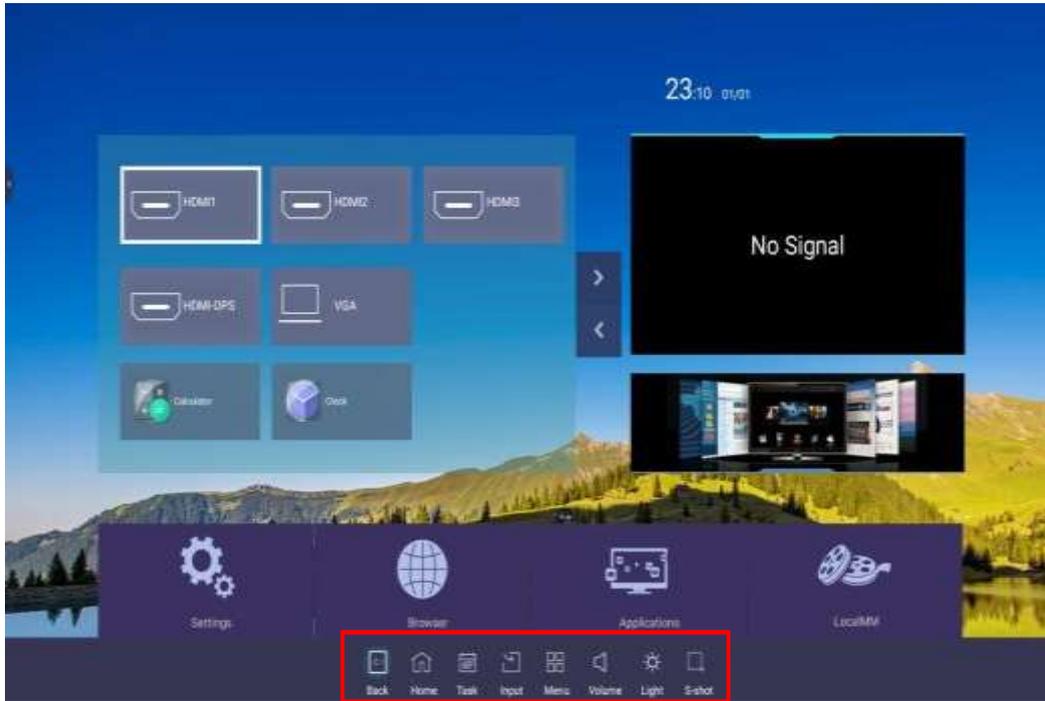
Step 2, touch the source screen



Press slip menu to select



Step 1, touch screen bottom and slip up some distance, there will be menu show as below



INTRODUCTION OF MENU

Under the Non Android system, press “MENU”key on the remote controller or the touch screen to show the menu, then press ◀/▶ to choose sub menu, press ▲/▼ to enter the sub menu(picture menu→voice menu→channel menu→setting menu

→time menu)

SOURCE MENU

1. Entering submenu by pressing ▲/▼ .
2. Entering into option by pressing “OK”
3. Adjusting by pressing ◀/▶ .
4. After finishing adjust and setting, pressing “OK” or “EXIT”and return the



PICTURE MENU: Includes Picture mode, Contrast,Brightness,Hue,Sharpness,Saturation,Back Light

Image Mode, Color temperature,

Color Temperature,Zoom mode.

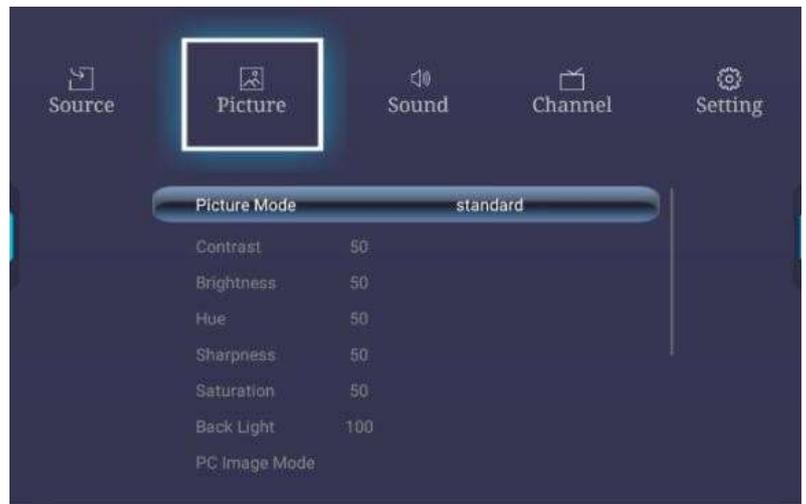
Press ▲/▼ to choose sub-menu.

Press “ok”to enter the channel.

Press ◀/▶ to adjust.

Press “OK”or “EXIT”to save or

back to the previous menu.



Picture Mode includes standard, soft, user, game, auto, PC, vivid, nature, sport, bright. When in the PC channel , please choose PC Mode.

PC image Mode includes clock,phase position,horizontal position,vertical position,auto adjustment.

Color Temperature includes Standard,warm,user, cold.

Zoom mode includes 16:9, 4:3,auto, full screen, JUST SCAN, 14:9, DOT TO DOT, DEFAULT.

SOUND MENU

Including options of sound mode, low pitch, high pitch, equalizer, balanced sound, AVC, AD, AUTO HOH, surround sound

SRS, SPDIF output and single sound;

Choosing submenu by pressing ▲/▼.

Entering into option by pressing

“OK”.

Adjusting by pressing ◀/▶.

After finishing adjust and setting, save by pressing

“OK” or “EXIT” and return previous menu.



Sound mode includes standard,music,cinema,sports, user.

SPDIF includes PCM,turn off and RAW.

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Channel Menu



Not available, when chose this Menu, will show previous menu content.

Set Menu

Including Menu Time, No signal shutdown time, Boot setting, Restore To Default.

Entering sub menu by pressing

▲/▼.

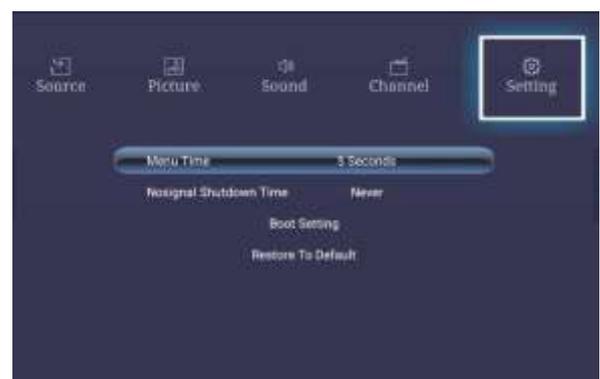
Entering into option by pressing “OK”.

Adjusting by pressing ◀/▶.

After finishing adjust and setting, save by pressing

“OK or “ EXIT ” and return the

previous menu.



Menu time include 5S,10S,15S,20S,30S and ALWAYS.

Boot setting includes boot music, boot logo, boot volume

SUPPORTED FORMATS

Mode	Format	File Extension Name
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

FAQ- FREQUENTLY ASKED QUESTIONS

Problem	Possible reason	Solution
Can't connected to the service program	The driver is not installed correctly	Please Install the Driver correctly
	USB port(cable) is not collected or has some problem.	Please test it with a new USB cable or check if the USB port is not good.
	The infrared bar is blocked	Make sure there is no blockage on the infrared bar.
Calibration is not accurate	Calibration operating is not done correctly	Press "Auto" on the remote control to make the picture in full-screen mode and do the calibration again with equipped pens.
Writing is vibrant(jump)	Writing in a wrong way	It is better to write with pens as much as possible. Hold the pen far enough away from the penpoint. The angle between Pen and Screen needs to be more than 60 degree(Keep the sleeve and wrist not too close to the screen)
	Strong light source/IR signal interference	Remove IR signal interference or change a place with no interference
	Witting in a wrong	It is better to write with pens as much as possible. Hold the pen far enough away from the penpoint. The angle between Pen and Screen needs to be more than 60 degree(Keep the sleeve and wrist not too close to the screen)

Writing is incontinuous(can write partially)	way	
	Touch area is less than the required area or penpoint is too thin	Replace the penpoint or use a pen with a bigger penpoint area to write.
	The infrared bar is blocked	Check if there is any blockage blocking the infrared bar.
	Strong light source/IR signal interference	Remove IR signal interference or change a place with no interference

Writing is not available	Drawing color is too similar or exactly the same as the background color	Write with another drawing color
	Hands or other objects are on the screen when you are writing	It is better to write with pens as much as possible. Hold the pen far enough away from the penpoint. The angle between Pen and Screen needs to be more than 60 degree(Keep the sleeve and wrist not too close to the screen)
	Strong light source/IR signal interference	Remove IR signal interference or change a place with no interference
	Witting not in a proper way	It is better to write with pens as much as possible. Hold the pen far enough away from the penpoint. The angle between Pen and Screen needs to be more than 60 degree(Keep the sleeve and wrist not too close to the screen)
		1. Check if power cable is connected into the socket and power is switched

No sound or image displayed	on or not
	2. Check if the ship-type switch of touch screen monitor is powered on or not
	3. Check if “Standby” button on panel is turned on or not
	4. Check if the video cable and audio cable is normal
	5. Check if the right signal source is selected
	6. Check settings of image brightness and contrast and so on
	7. Check the volume
Image available but no sound	1. Check the volume
	2. Press MUTE button on the remote control is pressed
	3. Check if the audio cable between the computer and the touch screen monitor is connected correctly
No image or just black and white image	1. Adjust color settings
	2. Check color standards
Interference in image or sound	1. Find and move away the Electronic device which might have interference to Touch screen.
	2. Do not share Power socket with Electronic device which might occur interference to Touch screen.
Malfunction of Remote control	1. Change battery
	2. Clean the sending window of the remote control (to see if there is any blockage)
	3. Check if the battery is connected firmly
PC can not be powered on	1. Check if adapter is been connected and Power supply is power on.

(only for model with PC)	2. Check if all cables are connected correctly between the PC and the touch screen.
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Touch screen monitor cannot be powered on	<p>Check if power plug is connected properly?</p> <p>Check if there is any blockage between the Remote controller and the remote receiver on touch screen monitor?</p> <p>Please do not press “standby” button too often because there is a powering-on protection.</p> <p>The touch screen monitor can only be turned on several seconds after shut down the touch screen monitor.</p>
No antenna signal	<p>Check if Antenna is adjusted well?</p> <p>Check if Antenna cable is aged? Is there is any fluorescent lamps or other electronic product around touch screen monitor?</p> <p>Check if the touch screen monitor share 1 power socket with too many other devices?</p>
No TV signal	Check if the cable is connected properly, and check TV signal with related departments?
Image with no color or sound	<p>Check if the chrominance settings is adjusted correctly? Check if the right color mode is selected?</p> <p>Check if the touch screen monitor is muted?</p>
No signal detected when it's connected to external device	<p>Check if connection between external device and touch screen monitor is correct?</p> <p>Check if the signal resource is selected for the touch screen monitor? Check if external device is working well?</p>
The picture looks not as	<p>Because signal resource is different, the television picture in store is more clear than picture the cable TV signal at home.</p> <p>Please try to play the transmitted contents with HD signal. Many HD channels'</p>

<p>clear as it is in store?</p>	<p>contents are upgraded from SD contents.</p> <p>Adjust the output device's resolution to 1080i or 720P.</p> <p>Using HDMI or component cable to transmit high resolution image.</p>
<p>Remote controller malfunction</p>	<p>Check if the positive and negative electrode of the battery are installed correctly?</p> <p>Check if the battery power too low?</p> <p>Check if there is any obstacle between the remote control and touch screen monitor?</p> <p>Check if it is effected by any florescent lamp or other special light? Turn off the touch screen monitor and restart it later?</p>
<p>Not full screen display</p>	<p>Go to picture menu set the zoom mode to 16:9 or full screen or dot to dot</p> <p>Change the PC resolution to 1920*1080p or default</p> <p>Set the PC project to "second screen only"</p>