



205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com

Interactive Intelligent Panel

Owner's Operating Manual



Before operating the unit, please read this manual thoroughly,
and retain it for future reference.

Contents

Security Warning	1
Prepare to Install.....	2
Connection and Setting	7
Menu Operation	11
Simple troubleshooting	16
Maintenance	17

Safety Warning

Before operating the unit, please read this manual thoroughly, and retain it for future reference.

Placement

- Do not place the unit on an unstable cart, stand, tripod, bracket, table, or shelf.
- Do not expose the unit to direct sunlight and other sources of heat.
- Do not put the unit near appliances that create magnetic fields.
- Do not handle liquids near or on the unit.
- Never spill liquid of any kind into the unit
- Do not put heavy objects on top of the unit.

Power Supply

- Check that the unit's operating voltage is identical with your local power supply.
- Please unplug power supply and aerial plug when the weather is thunder-storm or lightning.
- Please unplug power supply, when there is nobody at home or didn't use over a long period of time .
- Please keep power cord from physical or mechanical damage.
- Please use exclusive power cord, don't modify or lengthen it.
- Please check and ensure AC source is connected with the ground.

LED Screen

- Never use any other tough or sharp object to replace the written pen.
- Unplug the power supply plug before cleaning.
- Clean the screen with a soft dustless and dry cloth.
- Never use water or the spray type detergent to clean the unit.
- For deep clean, contact an authorized service center.
- Please don't display the high brightness image on the screen for a long time.

Sight Distance

- The best distance between audience and screen is 5-7 times that of screen diagonal.
- The best watching angle between audience and screen as top and bottom, or so inside 176 degrees.

Temperature

- Do not place the unit near or over a radiator or a heater register.
- If your unit is suddenly moved from a cold to a warm place, unplug the power cord for at least two hours so that moisture that may have formed inside the unit can dry completely.
- Normal operating temperature is 0 ~ 40℃.

Humidity

- Do not expose machine in rain, damp or place near water.
- Ensure the indoor drying, cool. Normal operating humidity is 10~90%.

Ventilation

- Keep the ventilation openings clear.
- Ensure that the unit has enough space for ventilation around: left, right and back >10cm, top > 20cm.

Earphone

- It will effect the hearing while using the earphone listen noisy sound for a long time.
- Before using earphone, please turn down the volume in advance.

Standby

- It will enter standby mode but not turn off the unit while press the standby key.

Battery

- Accurate transaction and recall scrap battery after using.
- Please don't let kid touch battery, in case of dangerous don't throw battery into fire.

Notes for Cleaning

- There are heating hole on back cover, do not spray water.

Power Switch Status Signs

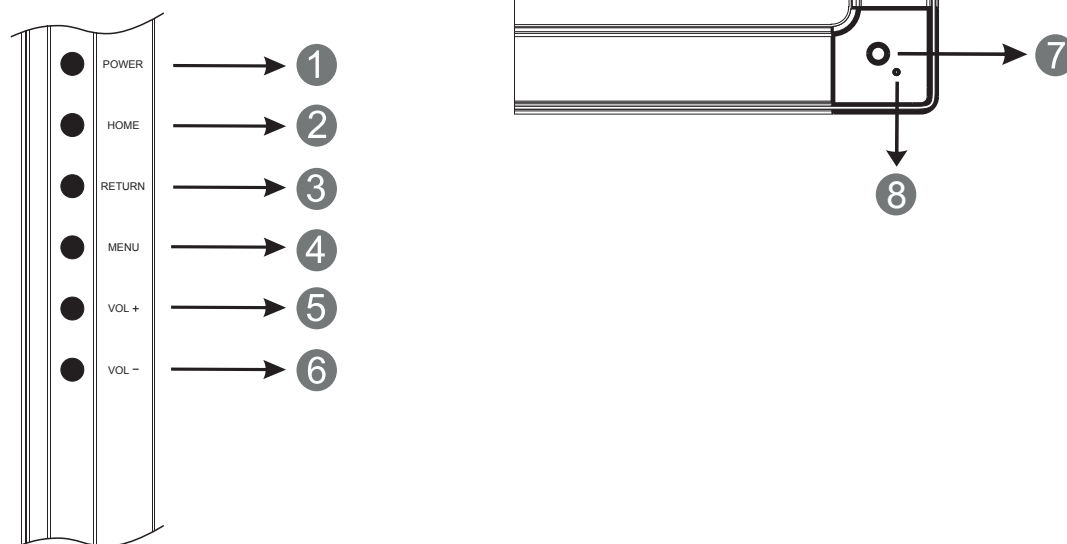
- "I" means power on, "O" means power off.

Notes for Maintenance

- This machine can only be maintained by certified engineer.

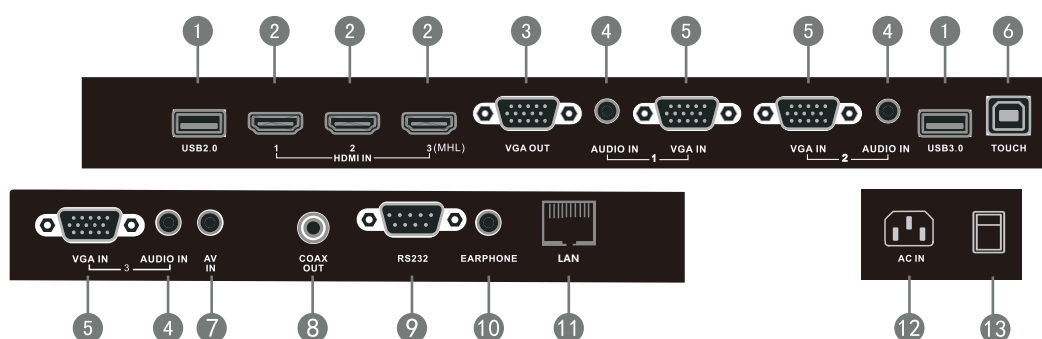
Prepare to Install

1 Control Panel



Items	Function description
① POWER	Tap into energy-saving, press this button for 2 second into standby condition
② HOME	HOME button: back to main interface
③ RETURN	Return button: return to previous level menu
④ MENU	Menu button: call up function menu
⑤ VOL +	Volume up button: turn up volume
⑥ VOL -	Volume down button: turn down volume
⑦ Remote control signal receiver	Receiving remote control signal, and do not place any objects to block remote control receiving
⑧ Power indicator	Indicator color shows the status of power ON/OFF

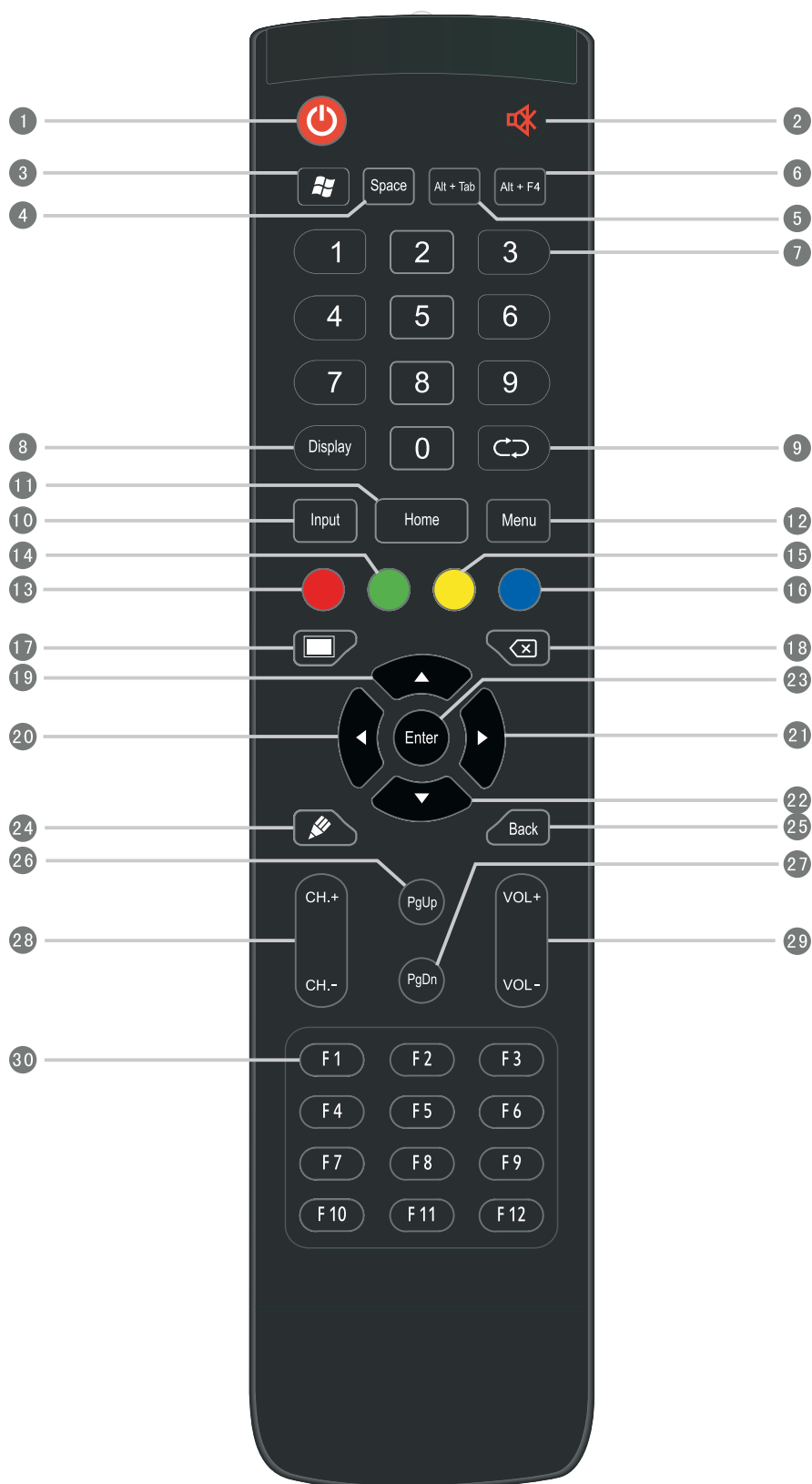
2 Terminal Interface














Items	Function description
① USB	Connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc
② HDMI IN	High-definition multimedia interface signal input, connect to PC (personal computer) with HDMI output, set-top box, or other video device can also realize touch function (HDMI3 can realize MHL function)
③ VGA OUT	Connected to display devices with VGA input function
④ AUDIO IN	External computer audio input
⑤ VGA IN	External computer image input
⑥ TOUCH	External computer touch signal input. Default touch function is available under internal computer, when connecting external computer, besides connecting external computer VGA and audio signals, external computer's USB port needs to be connected to the equipment. Under the condition that driver is installed, external computer can be touch controlled through the equipment (touch function is effective in PC, VGA and HDMI channel by default)
⑦ AV IN	Composite video and audio input
⑧ COAX OUT	Coaxial output
⑨ RS232	Serial interface, used for mutual transfer of data between devices
⑩ EARPHONE	Connected to device with headphone input function
⑪ LAN	LAN interface, connecting RJ45 terminals. (This network port is only used for Android system)
⑫ AC IN	AC power input, connecting AC power supply
⑬ POWER SWITCH	Power switch, to open and shut down AC power supply "I" means power on, "O" means power off.

3 Remote control

1). Remote control button instruction



Detailed function description of remote control buttons

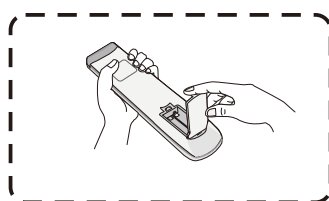
- | | | |
|----|---|--|
| 1 |  | Power on/off |
| 2 |  | Mute switch |
| 3 |  | Built-in computer Windows key |
| 4 | Space | Built-in computer Space key |
| 5 | Alt+Tab | Built-in computer spacebar Alt + Tab |
| 6 | Alt+F4 | Built-in computer program window close button |
| 7 | Numeric keys | TV digital channels input keys |
| 8 | Display | Display channel information |
| 9 |  | TV channel return key |
| 10 | Input | Input signal source selection key, choose different sourced according to need |
| 11 | Home | Android system main screen button |
| 12 | Menu | TV OSD menu button, press this button to pop up TV's OSD menu |
| 13 | Red | Function button |
| 14 | Green | Function button |
| 15 | Yellow | Function button |
| 16 | Blue | Function button |
| 17 |  | One key for blank screen |
| 18 |  | Backspace key |
| 19 |  | Direction key, press this button for upwards selection |
| 20 |  | Direction key, press this button for left selection |
| 21 |  | Direction key, press this button for right selection |
| 22 |  | Direction key, press this button for downwards selection |
| 23 | Enter | Confirmation key, press this key to confirm selection state |
| 24 |  | Quickly start writing software, select writing pen quickly if software is started. |
| 25 | Back | Return key |
| 26 | PgUp | Built-in computer page (previous page) |
| 27 | PgDn | Built-in computer page (next page) |
| 28 | CH.+ \ CH-. | Function button |
| 29 | VOL+ \ VOL- | Volume switch key |
| 30 | F1-F12 | Built-in computer F1 - F12 function keys |

NOTE: In case of no built-in computer, all function keys related with computer are regarded as no operating functions

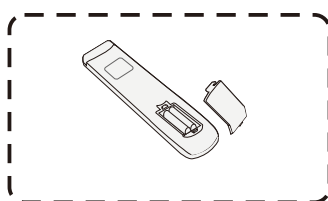
2).Remote control instruction

Install Batteries

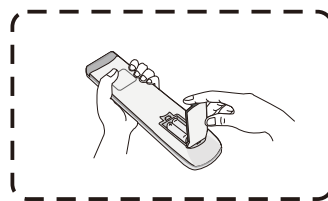
- 1 Open back cover of battery component on the back of remote control
- 2 Install AAA type battery according to the corresponding electrode, make sure battery positive and negative pole are correct ("+"to"+"", "-" to "-"), please do not mix using old and new batteries
- 3 After battery is installed, close the back cover of battery components, and make the following clip buckled to the bottom



(1)

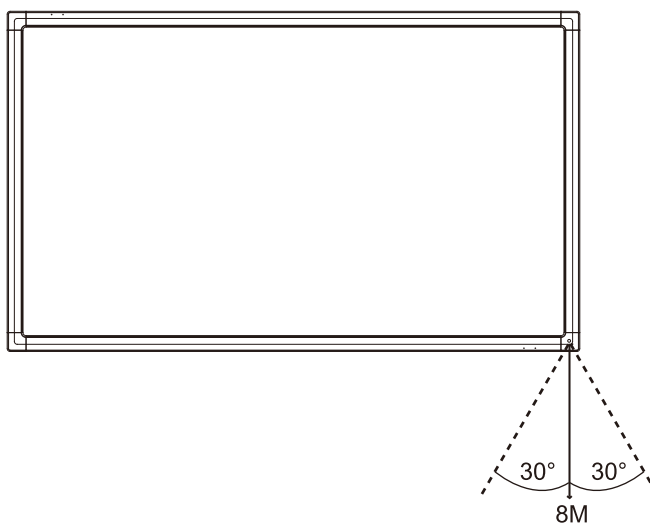


(2)



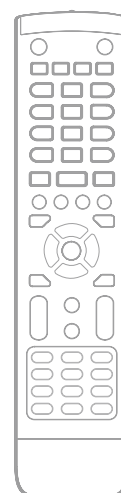
(3)


Range of remote control



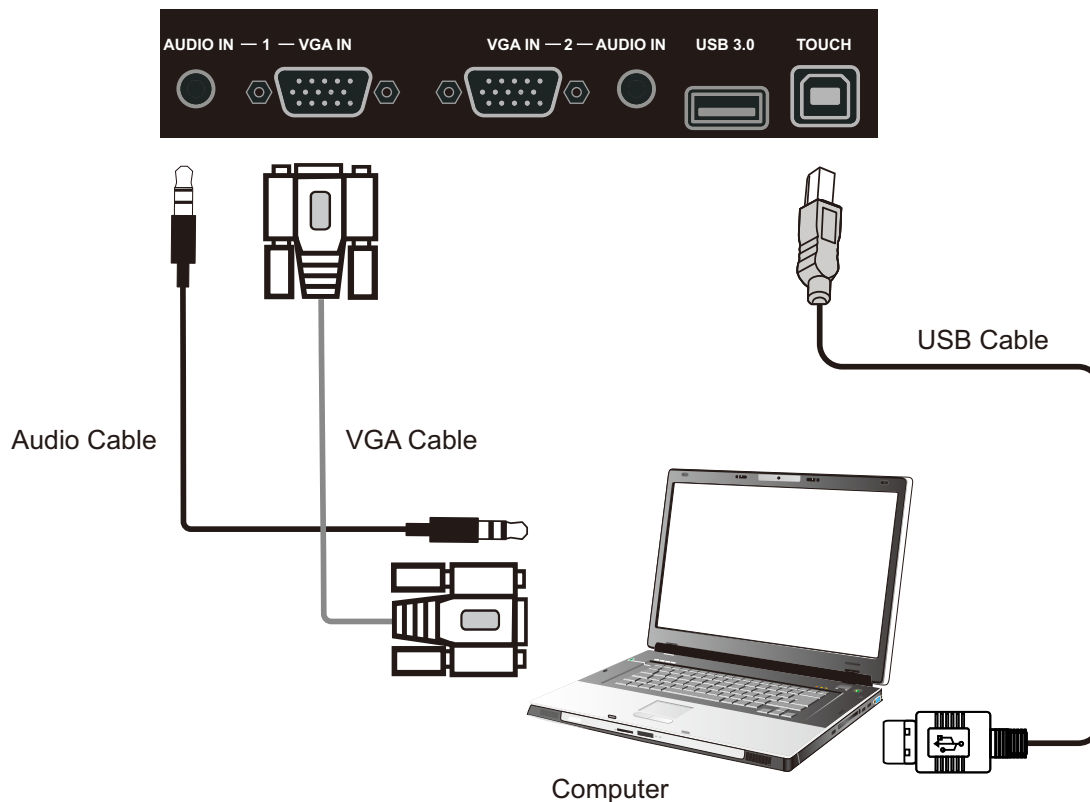
Remote control can work normally within the range of 8 meters distance, 30 degrees left and right from the remote control receiver; in order to protect environment, please dispose waste battery into recycling box.


CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS



 For the safety of you and the machine, please do not connect any power plug before connection

1. External Computer and Touch Connection



- (1).Use VGA line to connect to VGA output port of external computer, and meanwhile use headphone audio line to connect to external computer audio output interface.
- (2).Use USB line to connect to external computer USB port.
- (3).After line connection,plug in power cord,and switch power to on
- (4).Start external computer.
- (5).Press  key,and the equipment is power on.
- (6).Press the INPUT key to switch to VGA channel.



NOTE:

External computer input, equipment's best resolution is 1920 x1080

External computer can also connect to the equipment through the HDMI cable

• Recommended computer configuration:

2.0GBHZ Processor, 1GB Memory

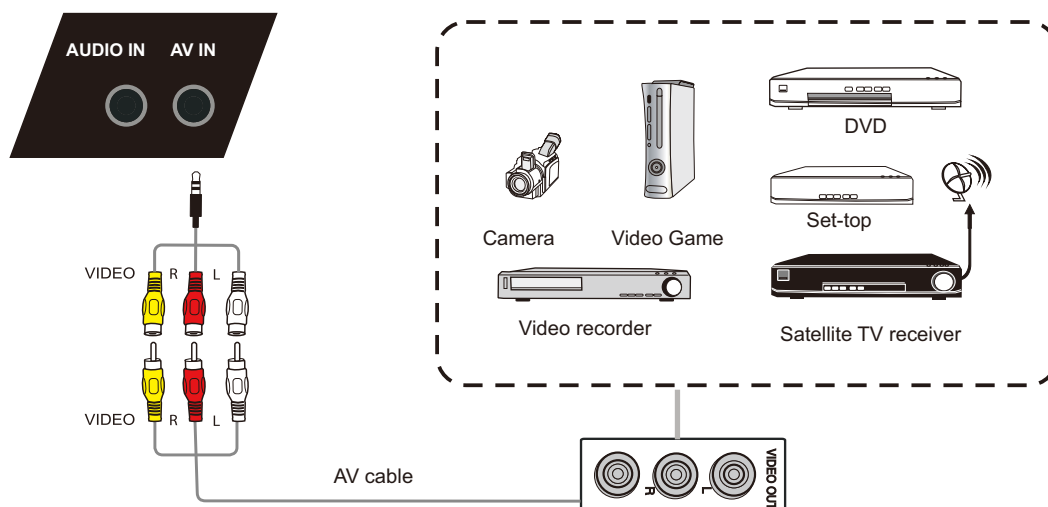
1GB Available Hard Drive


VGA-OUT/HDMI-OUT、Audio-OUT、USB Interface

More than 256 color display card

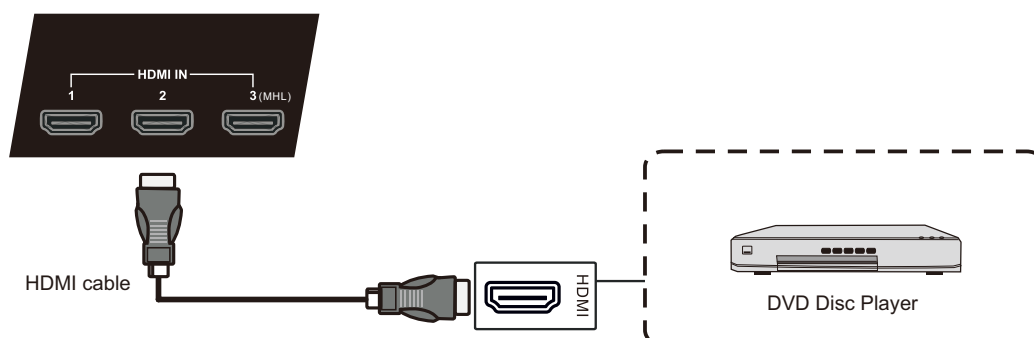
Support Resolution 800*600,1024*768,1920*1080


2. Audio and video equipment



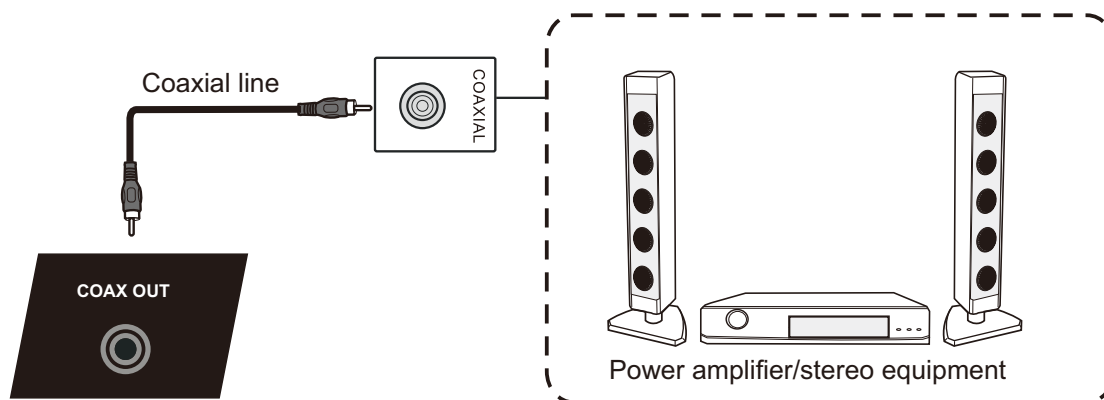
- (1). Use AV audio and video lines to connect audio and video equipments with AV output (yellow for video, red for right sound channel, and white for left sound channel)
- (2). After line connection, plug in power cord, and switch power to on
- (3). Press  to turn equipment on
- (4). Press INPUT key to switch to AV port


2) .HDMI 1/HDMI2/HDMI3(MHL)



- (1). Use HDMI line to connect audio and video equipment with HDMI output
- (2). After line connection, plug in power cord, and switch power to on
- (3). Press  to turn equipment on
- (4). Press INPUT key to switch to HDMI port (HDMI3 channel can realize MHL function)

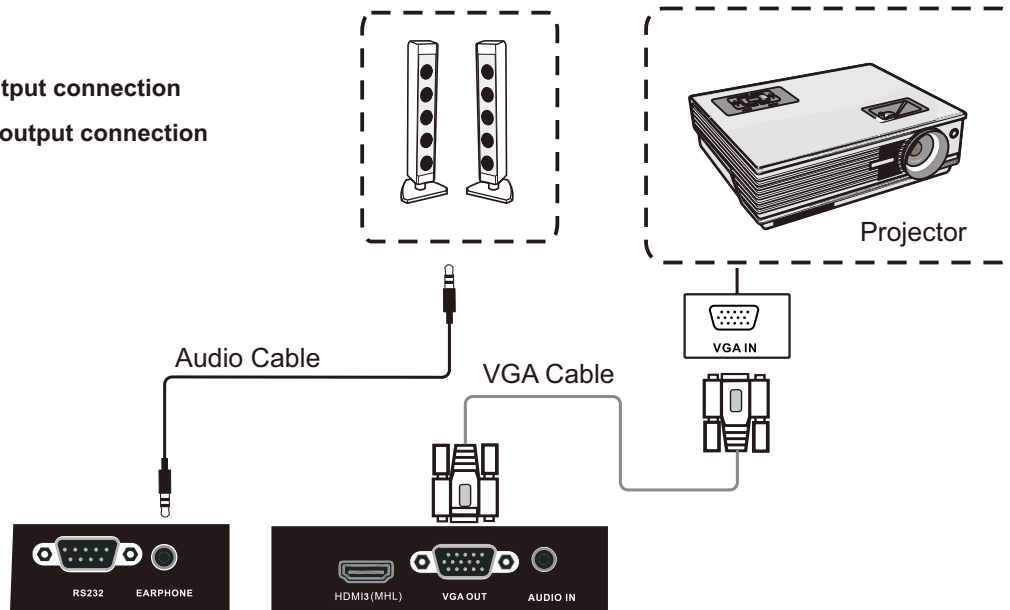
3. Coaxial connection




- (1). Use coaxial line to connect audio device with coaxial input
- (2). After line connection, plug in power cord, and switch power to on
- (3). Press  to turn equipment on

4. Video output connection

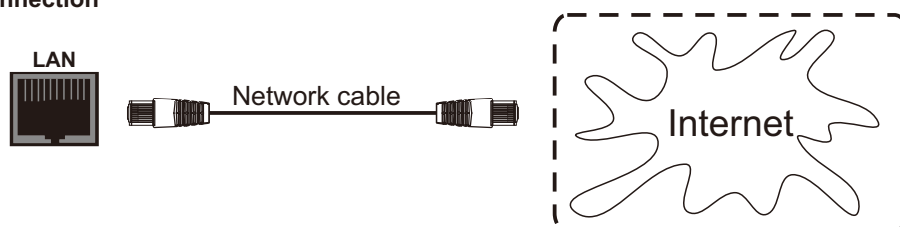
1). VGA output connection



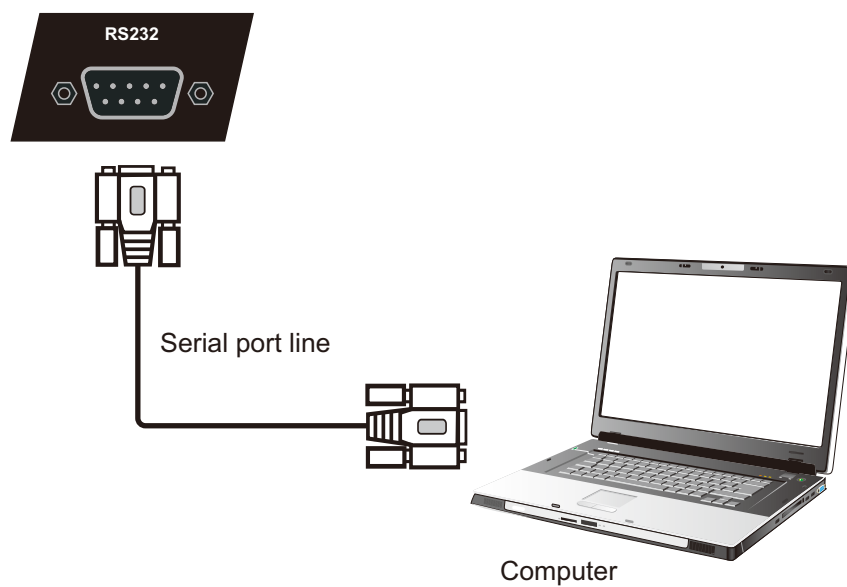
- (1). Use VGA line to connect display devices with VGA Out, and use headphone line to connect sound output
- (2). After line connection, plug in power cord, and switch power to on
- (3). Press  to turn equipment on
- (4). Press INPUT key to switch to VGA port

Note: VGA OUT & EARPHONE outputs VGA IN & AUDIO IN graphics and sound.

5. LAN Connection



6. USB Equipment connection



After using serial port line to connect central control equipment and machine, certain function of the machine can be controlled via central control equipment, such as: machine ON/OFF, and adjustment of sound volume, etc.


Menu Operation

Setting menu

Input setting

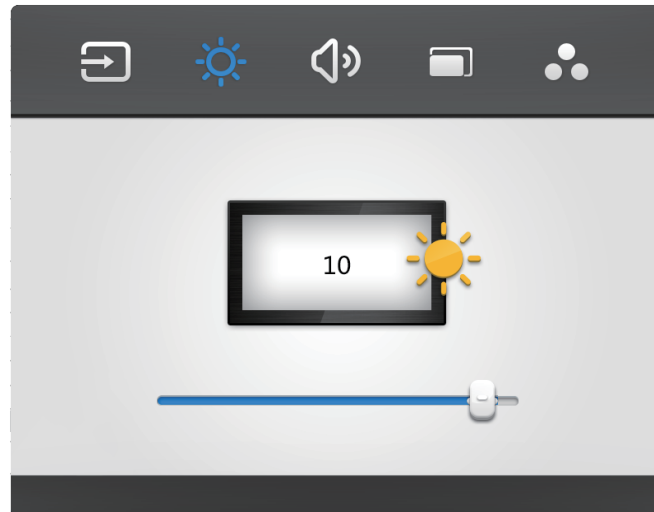


- Press INPUT button on remote control to call up Input Setting menu;
- Press ▼/▲/◀/▶ button on remote control to select the channel you need;
- Press the Enter button on remote control or directly click with touch pen to confirm selected input channel;
- Press return key on remote control, or click blank area outside menu with touch pen to exit menu.

Note: “” symbol represents that this channel has been connected to a signal

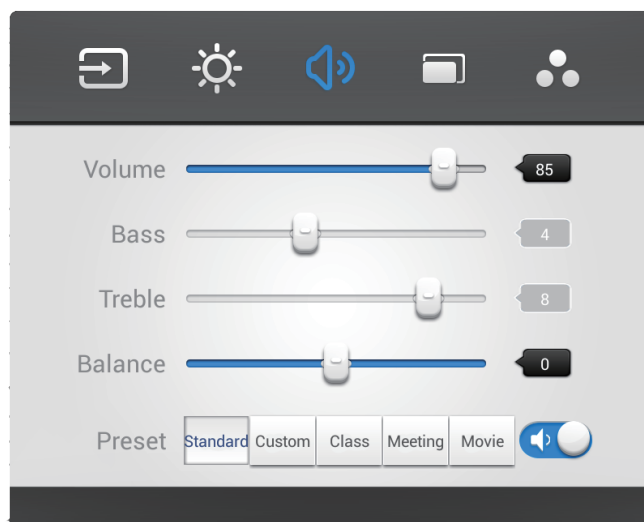
Note: PC channel will only display when you connect the built-in computer.

Brightness setting



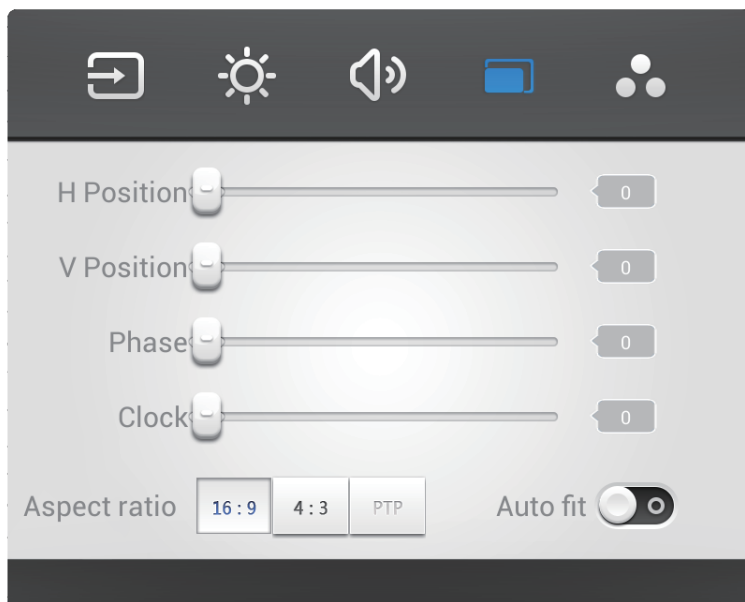
- Press INPUT button on remote control to call up Input Setting menu;
- Press ► button on remote control or directly click "Light" icon with touch pen to enter Brightness Setting menu;
- Press ▼, ◀/▶ button on remote control or drag brightness adjustment progress bar with touch pen to adjust brightness;
- Press return key on remote control, or click blank area outside menu with touch pen to exit menu.


Volume setting



- Press INPUT button on remote control to call up Input Setting menu;
- Press ► button on remote control or directly click "Volume" icon with touch pen to enter Volume Setting menu;
- Press ▼, ◀/▶ button on remote control or directly drag volume adjustment progress bar with touch pen to adjust volume;
- Press <⏏> button on remote control or directly click mute icon below "⋮" with touching pen to open or close mute state;
- Press return key on remote control, or click blank area outside menu with touch pen to exit menu.

VGA Channel setting



- Under VGA channel, press INPUT button on remote control to call up Input Setting menu;
- Press ► button on remote control under setting menu or directly click “” icon with touch pen or directly press Menu on remote control under VGA channel to enter advanced setting menu;
- Press ▼/▲/◀/▶ button on remote control or click directly with touch pen to select and adjust each option;
- Press return key on remote control, or click blank area outside menu with touch pen to exit menu.

H position

Press ◀/▶ button on remote control or directly drag icon with touch pen to adjust horizontal position of image;

V Position

Press ◀/▶ button on remote control or directly drag icon with touch pen to adjust vertical position of image;

Phase

Press ◀/▶ button on remote control or directly drag icon with touch pen to adjust phase position of image;

Clock

Press ◀/▶ button on remote control or directly drag icon with touch pen to adjust clock of image;

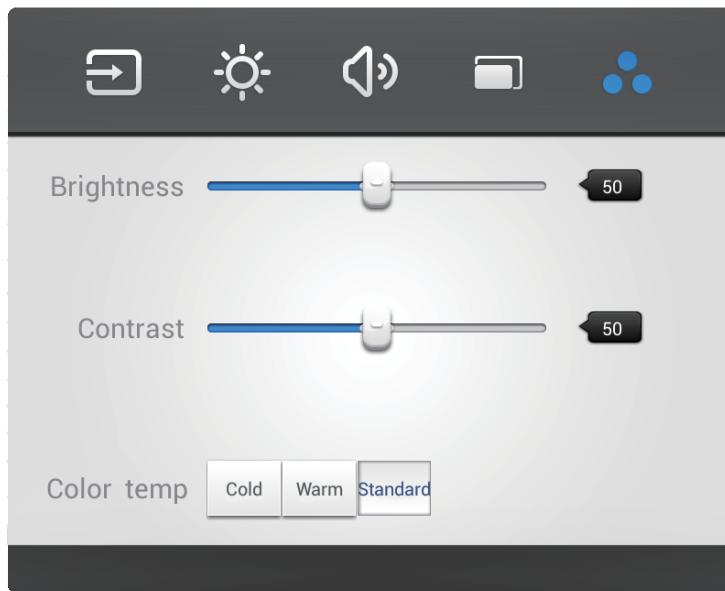
Aspect ratio

Press ◀/▶ button on remote control or press Enter button or directly click icon with touch pen to switch image display ratio;

Auto fit

Press Enter button on remote control or directly click icon with touch pen to automatically adjust horizontal, vertical position/ phase and clock of image.

Screen Setting



- Under channels other than Android, press Menu button on remote control to call up setting menu;
- Press ► button on remote control or directly click "⋮" icon with touch pen or directly press Menu on remote control to enter advanced setting menu;
- Press ▼/▲/◀/▶ button on remote control or click directly with touch pen to select and adjust each option;
- Press return key on remote control, or click blank area outside menu with touch pen to exit menu.

Brightness

Press ◀/▶ button on remote control or directly drag icon with touch pen to adjust brightness of image.

Contrast

Press ◀/▶ button on remote control or directly drag icon with touch pen to adjust contrast of image.

Color temp

Press ◀/▶ button on remote control or directly drag icon with touch pen to adjust color temperature of image (Cool color/ warm color/ auto matic).

Note: Different options in different channels can't be adjusted, please select according to actual situation.

Simple troubleshooting

Machine fails to work normally

Remote control failure	<ol style="list-style-type: none"> 1. Check whether there are other objects between remote control and television remote control receiving window, thus leading to failure of remote control. 2. Check whether the battery electrode in the remote control is correct. 3. Check whether remote control needs to replace battery.
Machine automatically shut down	<ol style="list-style-type: none"> 1. Whether set sleep or not. 2. Check whether there is sudden power outage. 3. Check whether there is no signal automatic shutdown.

PC mode

Signal out of range	<ol style="list-style-type: none"> 1. Check whether display is set correctly. 2. Check whether resolution is the best resolution. 3. Adjust line and field synchronization in menu.
Background has vertical lines or streaks	<ol style="list-style-type: none"> 1. Select automatic correction in menu. 2. Adjust clock and phase position in menu.
Image lack of color, color is incorrect	<ol style="list-style-type: none"> 1. Check whether VGA is not well connected or has quality problem. 2. Adjust chromaticity and brightness or contrast in menu.
Display format that is not supported	<ol style="list-style-type: none"> 1. Select automatic correction in menu. 2. Adjust clock and phase position in menu.

Touch Function

Touch function invalid	<ol style="list-style-type: none"> 1. Check whether touch driver is installed and started. 2. Check whether the size of article touched is comparable with finger.
Touch positioning not correct	<ol style="list-style-type: none"> 1. Check whether driver is properly installed and make correction. 2. Check whether touch pen is facing the screen.

Video function can't work normally

No picture and no sound	<ol style="list-style-type: none"> 1. Check whether the machine is started state. 2. Check whether signal wire is well plugged, whether INPUT is corresponding to it. 3. If in internal computer mode, check whether internal computer is started.
With horizontal or vertical stripes or image dithering	<ol style="list-style-type: none"> 1. Check whether signal wire is well connected. 2. Check whether other electronic equipment or power tools are placed around the machine.
No color, color is weak or image is weak	<ol style="list-style-type: none"> 1. Adjust chromaticity and brightness or contrast in menu. 2. Check whether signal wire is well connected.

Audio function can't work normally

With image but without sound	<ol style="list-style-type: none"> 1. Check whether mute button is pressed for mute. 2. Press VOL + / - to adjust volume. 3. Check whether audio line is connected correctly.
Only one speaker has sound	<ol style="list-style-type: none"> 1. Adjust sound balance in menu. 2. Check whether computer sound control panel only sets up one sound channel. 3. Check whether audio line is connected correctly.
VGA output without sound	<ol style="list-style-type: none"> 1. Check whether connect external device with headphone cable.

Maintenance

Proper maintenance can avoid many early faults; regular careful cleaning can make machine brand new; please unplug power plug before cleaning and maintenance, to prevent electric shock

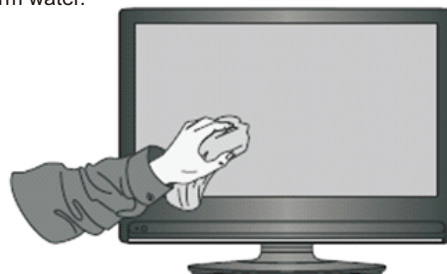
Clean screen

Please mix and stir even a little fabric softener or tableware detergent with warm water.

Please use a soft cloth to be completely soaked in the mixture.

Please take out cloth and twist to half dry state to wipe machine screen.

Repeat for several times, pay attention not to squeeze water flow into machine when wiping machine.



Clean face frame

Please use dry, soft, lint-free cloth to wipe front frame,

No use of machine for a long time.

In case of no use of machine for a long time, such as holiday, please make sure to unplug the plug to prevent any possible dangers caused by power supply ripple from lightning.



205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com