



# Interactive Intelligent Panel

## User Manual

Note: All the pictures in this manual are for reference only, subject to our available products.

# Contents

Safety Warning.....	1
Control Panel.....	8
Connection and Setting.....	20
Simple Troubleshooting.....	26
Maintenance.....	32

## **Safety Warning**

Before operating, please read this manual thoroughly, and keep it for future reference.

Image shown in this manual is indicative only. There may be differences between the pictures and the actual product, please prevail in kind.

## **Placement**

DO NOT put heavy objects on top of the unit.

DO NOT put the unit near appliances that generate magnetic fields.

DO NOT expose the unit to direct sunlight and other sources of heat.

DO NOT place the unit on an unstable cart, stand, tripod, bracket, table, or shelf.

DO NOT put any liquid near or on the unit, make sure do not spill any liquid inside the unit.

## **Power Supply**

Please keep power cable from physical or mechanical damage.

Please check and ensure AC source is connected with the ground.

This power cable comes with the device exclusively for this device only.

Please unplug power supply when the weather is thunder–storm or lightning.

Check that the unit's operating voltage is identical with your local power supply.

Please use the original power cable from the accessory bag, don't modify or lengthen it.

Please unplug power supply, when there is nobody home or the unit will be in idle for a long time.

## **LED Screen**

Unplug the power cable before cleaning.

Clean the screen with a soft, dustless and dry cloth.

For deep clean, please contact an authorized service center.

Never use water or the spray type detergent to clean the unit.

Never use any other hard or sharp object to replace the touch pen.

Better for the panel lifetime and the display performance, do not display high brightness image for long time.

## **Temperature**

Normal operating temperature is 0°C~ 40°C.

DO NOT place the unit near or over a radiator or a heater.

If your unit is suddenly moved from a cold to a warm place, please unplug the power cable and do not turn it on at least 2 hours, making sure the moisture inside the unit is all evaporated.

## **Humidity**

DO NOT expose the unit in rain, or place in high humidity area.

Please make sure indoor environment is dry and cool.

Normal operating humidity is 10%~90%RH.

## **Ventilation**

Please put the unit in a well-ventilated place, so the heating can be released easily.

Ensure that the unit has enough space for ventilation. Space requirement: left, right and back >10cm, top> 20cm.

## **Earphone**

Before using earphone, please turn down the volume in advance.

Using the earphone to listen loud sound for a long time might affect the hearing.

## **Standby**

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

## **Battery**

Please make sure the battery gets proper disposal or recycle after using.

Please keep the battery away from kids and don't throw the battery into fire.



## **Notes for Cleaning**

There are vents on back cover, please do not use any liquid or spray directly during cleaning.

## **Power Switch Status Signs**

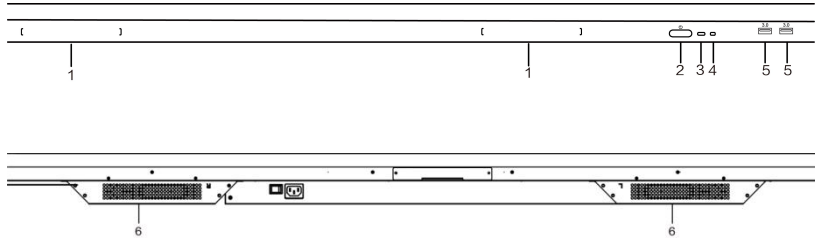
“I” means power on, “O” means power off.


## **Notes for Maintenance**

This machine can only be maintained by certified engineer.

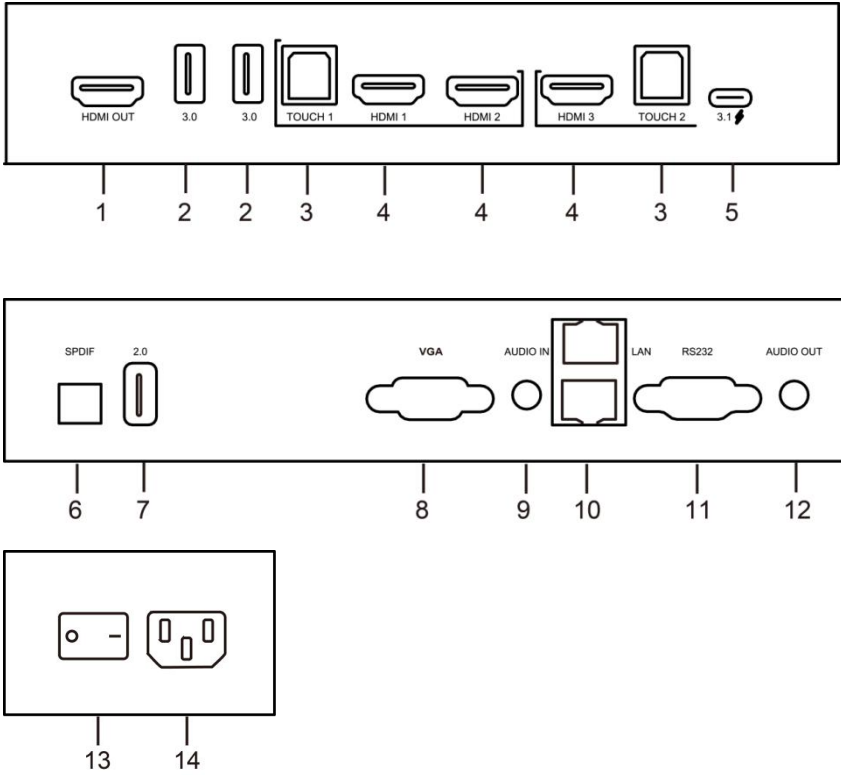
# Control Panel

## 1. Prepare to Install




Number	Items
1	Magnetic zone: Area for placing the absorptive magnetic pen
2	 : Tap to enter energy-saving,press at least 2 seconds to enter standby mode
3	Remote control signal receiver
4	Identify the brightness of ambient light
5	USB: connect USB device
6	Bottom loudspeaker

## 2. Terminal Interface



Number	Items	Function description
1	HDMI OUT*	Connect to the devices with HDMI input function.

2	3.0	USB 3.0,connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc.
3	TOUCH	Touch signal output to the external computer
4	HDMI IN	High-definition multimedia interface signal input, connect to devices with HDMI output interface (personal computer with HDMI output, set-top box, or another video device).

5	3.1 	<p>USB Type-C, support charging,reverse touch control, data transmission, extension for audio and video output interface, etc.</p> <p>(Please charge those external devices with same or less rated charging power with the port. Do not attempt to charge laptops that require higher charging power than the rated power of the USB Type-C port. )</p>
6	SPDIF	Carry multichannel sound via optical signals.

7	2.0	USB 2.0,connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc.
8	VGA	External computer image input.
9	AUDIO IN	External computer audio input.
10	LAN	Connect RJ45 terminals.
11	RS232	Serial interface, used for mutual transfer of data between devices.
12	AUDIO OUT	Audio output to the external speaker.
13	AC SWITCH	To open or shut down AC power supply. “I” means power on, “O” means power off.

14	AC IN	AC power input, connect AC power supply.
----	-------	--

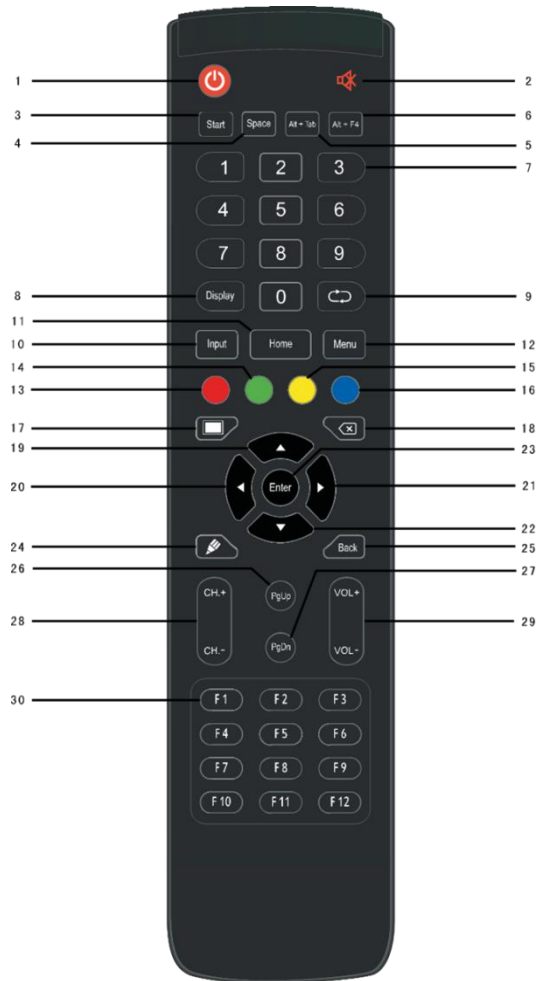
Note: HDMI IN/VGA need to be connected with the designated TOUCH terminal to achieve the touch function.

- 1) Use HDMI IN 1 with TOUCH 1
- 2) Use HDMI IN 2 with TOUCH 1
- 3) Use HDMI IN 3 with TOUCH 2
- 4) Use VGA with TOUCH 2

Note: [ \* ] indicates that this terminal is optional.




### 3. Remote Control




#### (1) Remote Control Button Instruction






## (2) Detailed Function Description

Number	Items	Function description
1		Power on/off.
2		Enter or exit mute mode.
3	Start	PC's Windows key.
4	Space	PC's Space key.
5	Alt+Tab	PC's Alt+Tab key.
6	Alt+F4	PC's Alt+F4 key.
7	Numeric keys	Numeric input keys.
8	Display	Display channel information.
9		/
10	Input	Pop up Touch Menu-General Setting.

11	Home	Return to android system main screen key.
12	Menu	Pop up Touch Menu–Audio.
13	Red	Enable or disable Front keyboard and Touch.
14	Green	Enable or disable Front keyboard.
15	Yellow	Enable or disable Touch.
16	Blue	Pop out or close the screen freezing tools.
17		Turn off or turn on the screen backlight.
18		PC's Backspace key.
19		Press to scroll up.

20	◀	Press to scroll left.
21	▶	Press to scroll right.
22	▼	Press to scroll down.
23	Enter	Confirmation key, press it to confirm selection state.
24		Quickly start writing software.
25	Back	Return to the last operating interface.
26	PgUp	Page Up.
27	PgDn	Page Down.
28	CH.+/CH.-	/
29	VOL+/VOL-	Increase/reduce the volume.
30	F1-F12	PC's F1 – F12 function keys.

Note: All computer – related function keys are not available without a built-in computer.

### **(3) 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.

## **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.

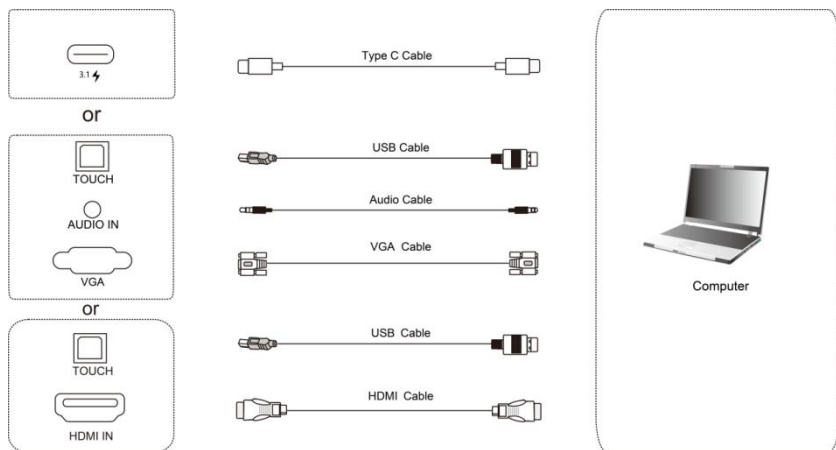


If the battery is replaced by an incorrect type, it may lead to explosion.

# Connection and Setting


⚠ 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 USB Type-C cable To connect the computer(Or use VGA cable to connect to VGA output port of external computer, and meanwhile use headphone audio cable to connect to external computer audio output interface.

Or use HDMI cable to connect to HDMI output port of external computer).

- 2) Use USB cable to connect to external computer USB port.
- 3) After cable connection, plug in power cord, and switch power on.
- 4) Start external computer.
- 5) Press  key, and the equipment is power on.
- 6) Switch the input source to the USB Type-C /VGA/HDMI channel in the main menu.



NOTE:

External computer input, equipment's best resolution is 3840\*2160.

Recommended computer configuration:

1GB Available Hard Drive

2.0GHz Processor, 1GB Memory

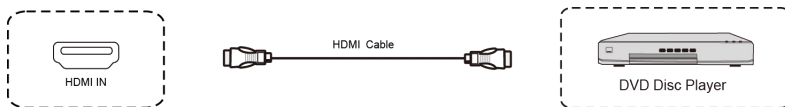
More than 256 color display cards

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

Support Resolution


800 × 600, 1024 × 768, 1920 × 1080, 3840 × 2160

## 2. Audio and Video Equipment

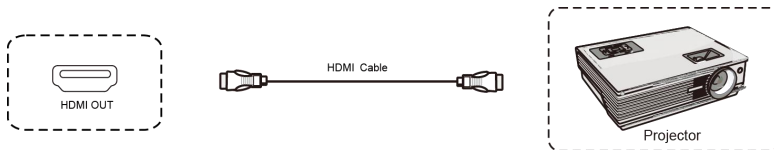



- 1) Use HDMI cable to connect audio and video equipment with HDMI output.



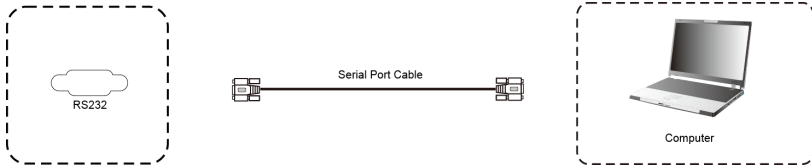
- 2) After cable connection, plug in power cord, and switch power on.
- 3) Press  to turn equipment on.
- 4) Switch the input source to the HDMI channel in the main menu.

### 3. Audio and Video Equipment



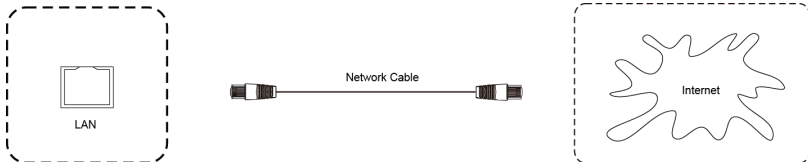
- 5) Use HDMI cable to connect audio and video equipment with HDMI input.
- 6) After cable connection, plug in power cord, and switch power on
- 7) Press  to turn equipment on

## 4. RS232 Connection

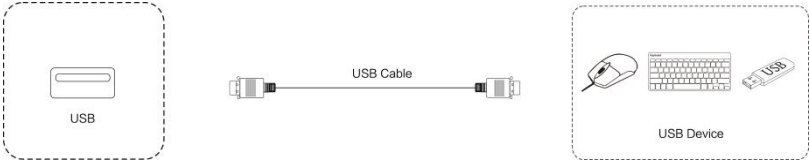


After using serial port cable to connect central control equipment and machine, certain function of the machine can be controlled via central control equipment, such as: machine ON/OFF, and adjustment of sound volume, etc.

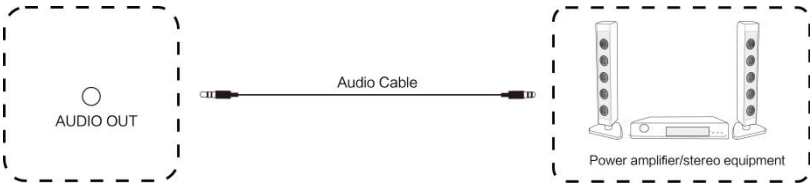
## 5. LAN Connection



# 6. USB Connection



# 7. AUDIO OUT Connection



# Simple Troubleshooting

## 1. Machine Fails to Work Normally

Remote control failure	Check whether there are other objects between remote control and equipment control receiving window, thus leading to failure of remote control.
	Check whether the battery electrode in the remote control is correct.
	Check whether remote control needs to replace battery.
Machine automatically shut down	Whether set sleep or not.
	Check whether there is sudden power outage.

	<p>The system will automatically shut down if the interactive intelligent Panel's external channel loses signal for 5 minutes. Please check the input and connection of the signal.</p>
--	---

## 2. PC Mode

Signal out of range	Check whether display is set correctly.
	Check whether resolution is the best resolution.
	Adjust line and field synchronization in menu.
Background has	Select automatic correction in menu.

vertical lines or streaks	Adjust clock and phase position in menu.
Image lack of color, color is incorrect	Check whether VGA is not well connected or has quality problem.
	Adjust chromatic and brightness or contrast in menu.
Display format that is not supported	Select automatic correction in menu.
	Adjust clock and phase position in menu.

### 3. Touch Function

Touch function invalid	Check whether the size of article touched is comparable with finger.
------------------------	--

Touch positioning not correct	Check whether touch pen is facing the screen.
----------------------------------	--

#### 4. Video Function Can't Work Normally

No picture and no sound	Check whether the machine is started state.
	Check whether signal wire is well plugged, whether INPUT is corresponding to it.
	If in internal computer mode, check whether internal computer is started.
With horizontal or vertical stripes or	Check whether signal wire is well connected.

image dithering	Check whether other electronic equipment or power tools are placed around the machine.
No color, color is weak, or image is weak	Adjust chromatic and brightness or contrast in menu.
	Check whether signal wire is well connected.

## 5. Audio Function Can't Work Normally

With image but without sound	Check whether mute button is pressed for mute.
	Press VOL + / – to adjust volume.
	Check whether audio line is connected correctly.



Only one speaker has sound	Adjust sound balance in menu.
	Check whether computer sound control panel only sets up one sound channel.
	Check whether audio line is connected correctly.
HDMI output without sound	Check whether connect external device.

## Maintenance

Proper maintenance can avoid many early faults and 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 alcohol.

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.