



7000X SERIES

# User's Manual

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

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## **Safety Warning**

Before operating, please read this manual thoroughly, and keep it for future reference. Images shown in this manual are indicative only. There may be differences between the pictures and the actual product.

### **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 you do not spill any liquid inside the unit.

### **Power Supply**

- Please keep power cable away 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 during a thunderstorm 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 when the unit will be in idle for long periods of time.

### **LED Screen**

- Unplug the power cable before cleaning.
- Clean the screen with a dry, soft, lint-free 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.
- For better panel lifetime and display performance, do not display high brightness image for long periods of time.

### **Temperature**

- Normal operating temperature is 32° ~ 104°F.
- 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 heat 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 to loud sound for a long time might affect hearing.

## **Standby**

Pressing the standby key will not turn off the unit but will turn the panel to standby mode.

## **Battery**

Please make sure the battery gets proper disposal or recycle after using.  
Please keep the battery away from children 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 a certified engineer.

## **FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

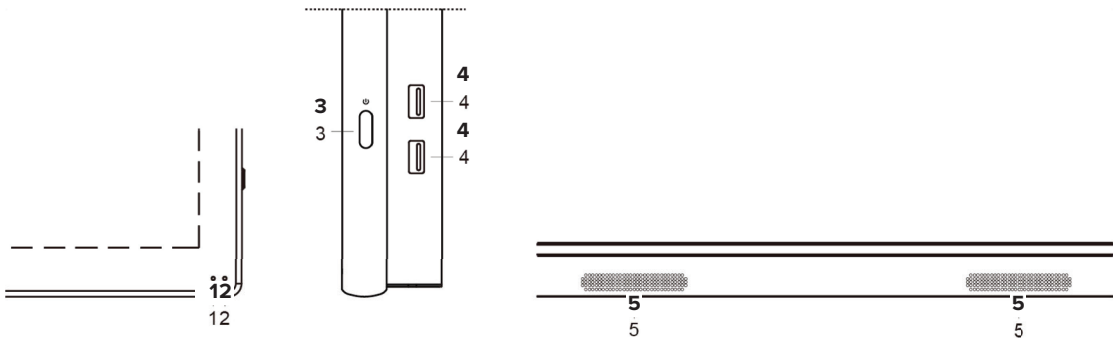
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.


## **FCC Warning**

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.

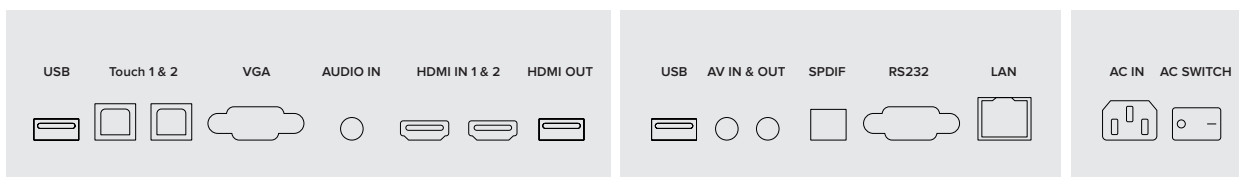
# Control Panel

## 1. Prepare to Install



Number	Items	Function description
1.	Remote control signal receiver	Receiving remote control signal, and do not place any objects to block remote
2.	Power indicator light	Indicates the working state of the power supply
3.		Tap to enter Energy Saving Function Press at least 2 seconds to enter standby mode
4.	USB	USB interface of Android
5.	Bottom loudspeaker	Amplify audio











## 2. Terminal Interface

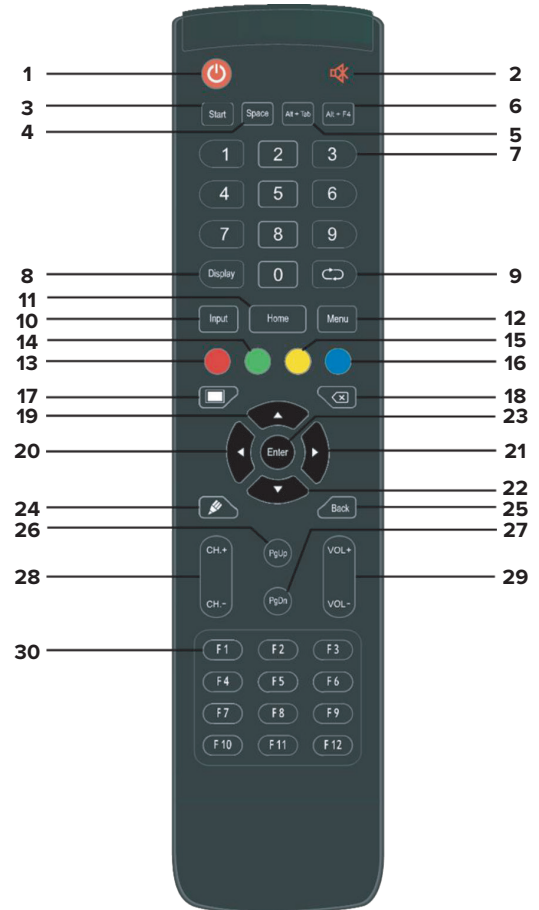


Items	Function description
USB	Connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc.
TOUCH	Touch signal output to the external computer
VGA	External computer image input
AUDIO IN	External computer audio input
HDMI IN	High-definition multimedia interface signal input, connect to devices with HDMI output interface (personal computer with HDMI output, set-top box, or another video device)
AV IN	Composite video and audio input
AUDIO OUT	Audio output to the external speaker
SPDIF	Carry multichannel sound via optical signals.
RS232	Serial interface, used for mutual transfer of data between devices
LAN	Connecting RJ45 terminals
AC IN	AC power input, connecting AC power supply
AC Switch	To open or shut down AC power supply. "I" means power on, "O" means power off
HDMI OUT	Connect to the devices with HDMI input function

### 3. Remote Control

#### Detailed Function Description

1.  : Power on/off
2.  : Mute switch
3. Start: Built-in computer Windows key
4. Space: Built-in computer Space key
5. Alt + Tab: Built-in computer space bar Alt + Tab
6. Alt + F4: Built-in computer program window close button
7. Numeric keys: Numeric input keys
8. Display: Display channel information
9.  : Non-function
10. Input: Input signal source selection key, choose different sources according to need
11. Home: Android system main screen button
12. Menu: Setting menu button, press this button to pop up
13. Red: Lock and unlock Buttons and Touch function
14. Green: Lock and unlock Buttons function
15. Yellow: Lock and unlock Touch function
16. Blue: Freeze and zoom
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
25. Back: Return key
26. PgUp: Built-in computer page (previous page)
27. PgDn: Built-in computer page (next page)
28. CH.+ \ CH-. : Non-function
29. VOL+ \ VOL- : Volume switch key
30. F1-F12: Built-in computer F1 - F12 function keys



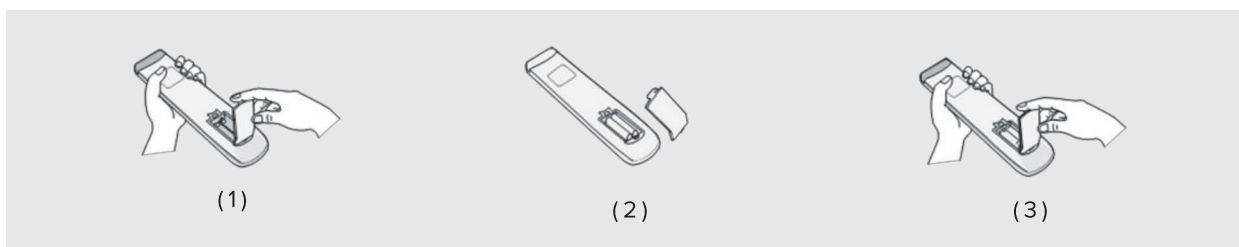
*Note: All computer - related function keys are not available without a built-in computer.*



## 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.

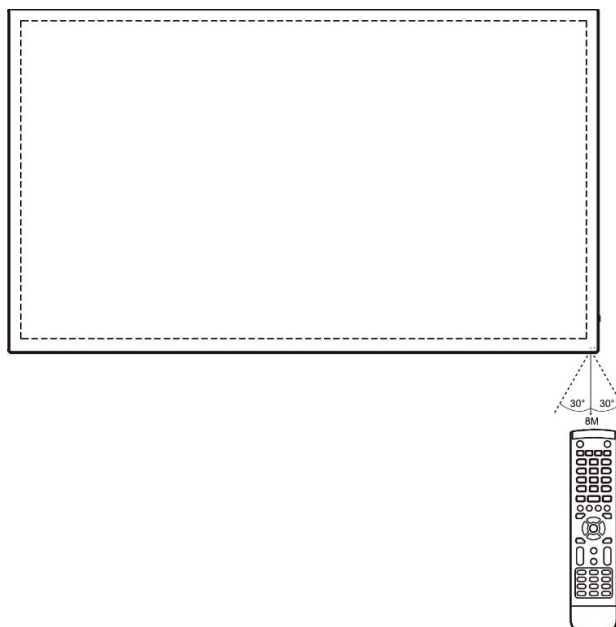


### Range of remote control

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 an explosion.**

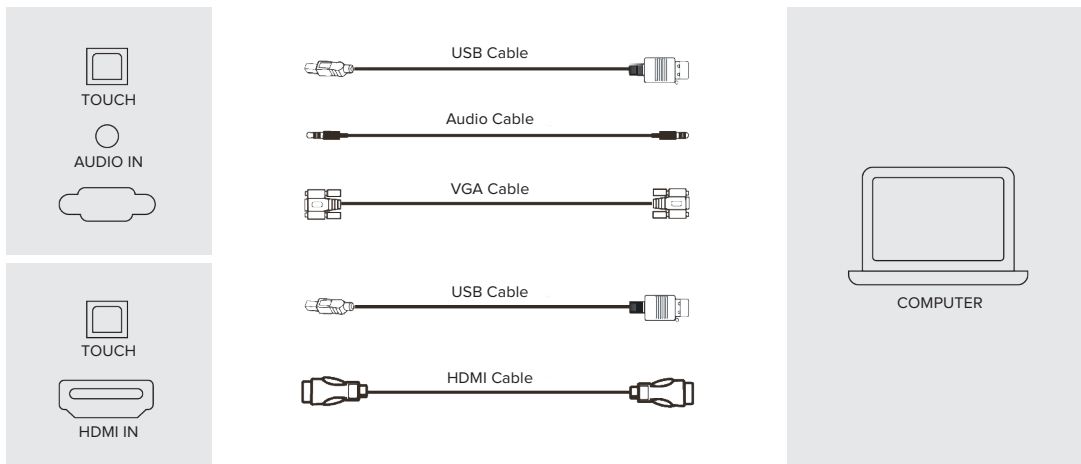



## Connection and Settings



**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 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. Press the INPUT key to switch to VGA/HDMI channel

#### NOTE:

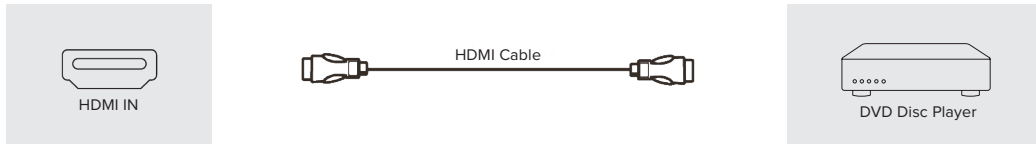
**For the external computer input, the equipment's best resolution is 3840x2160.**

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

#### Recommended computer configuration:

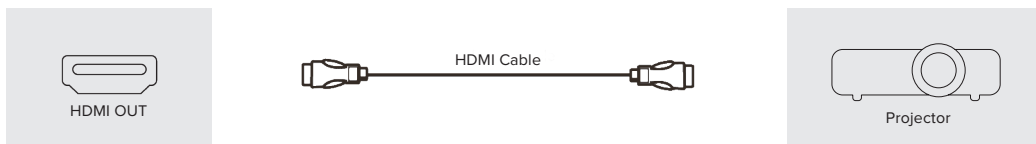
1GB Available Hard Drive  
2.0GHz Processor, 1GB Memory  
More than 256 color display cards  
VGA OUT / HDMI OUT, Audio-OUT, USB Interface  
Support Resolution 800x600, 1024x768, 1920x1080, 3840x2160

## 2. Audio and Video Equipment



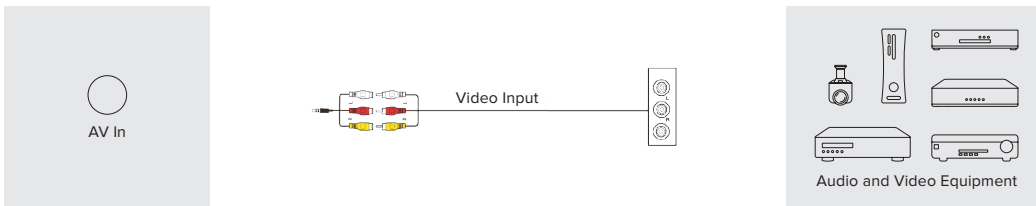
1. Use HDMI cable to connect audio and video equipment with HDMI output.
2. After cable connection, plug in power cord, and switch power on.
3. Press **⏻** to turn equipment on.
4. Press INPUT key to switch to HDMI port.

## 3. Audio and Video Equipment



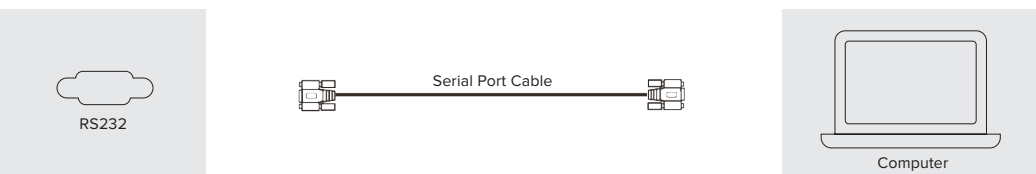
1. Use HDMI cable to connect display device with HDMI IN.
2. After cable connection, plug in power cord, and switch power on.
3. Press **⏻** to turn equipment on.
4. The connected display device outputs the current frame of the interactive intelligent Panel.

## 5. AV In



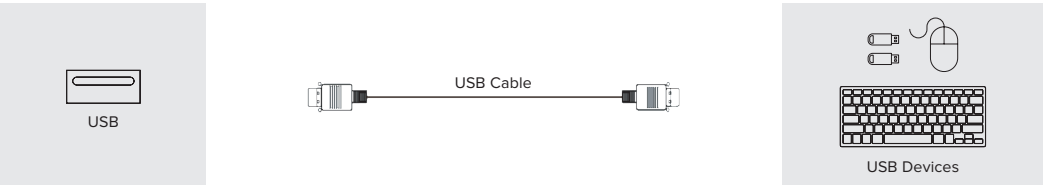
1. Use AV audio and video cables to connect audio and video equipment with AV output (yellow for video, red for right sound channel, and white for left sound channel).
2. After cable connection, plug in power cord, and switch power on.
3. Press **⏻** to turn equipment on.
4. Press INPUT key to switch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

## 6. RS232 Connection

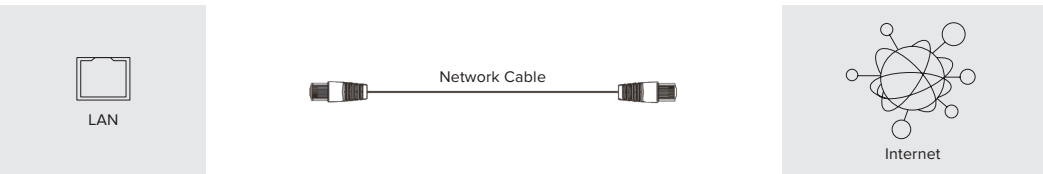


After using serial port cable to connect central control equipment and machine, certain function of the machine can be controlled via central control equipment, such as: machine ON/OFF, and adjustment of sound volume, etc.

**7. USB Connection**



**8. LAN Connection**

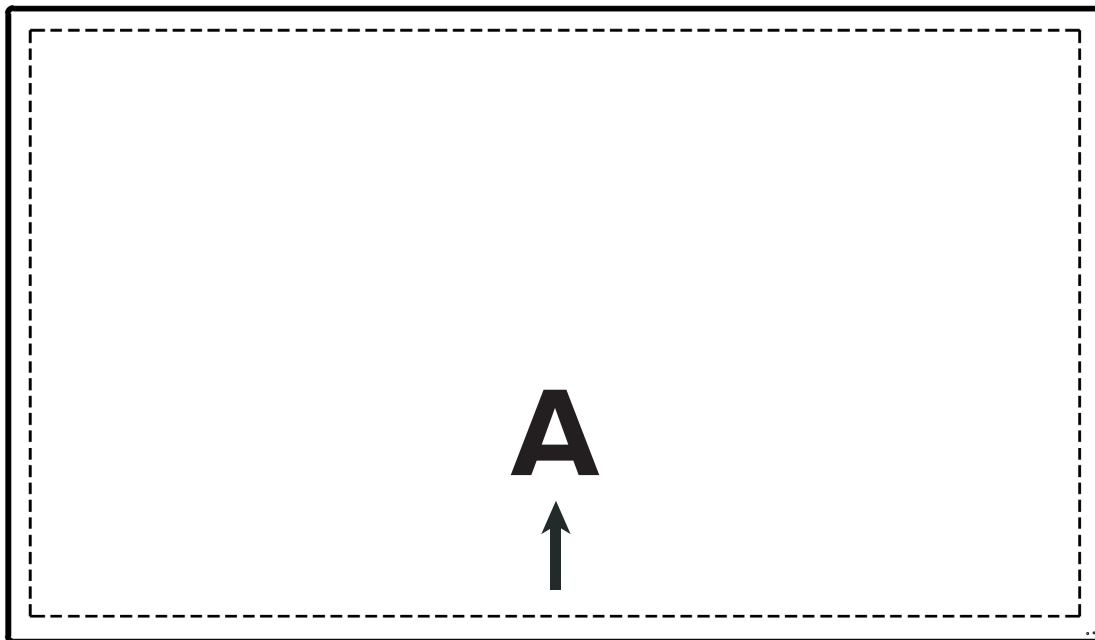


## Menu Operation

### Touch Menu Operation

#### Call-up Method

Take middle point position on the bottom of display screen as starting point, use touch pen to drag towards screen center position to call up touch menu, as shown below.



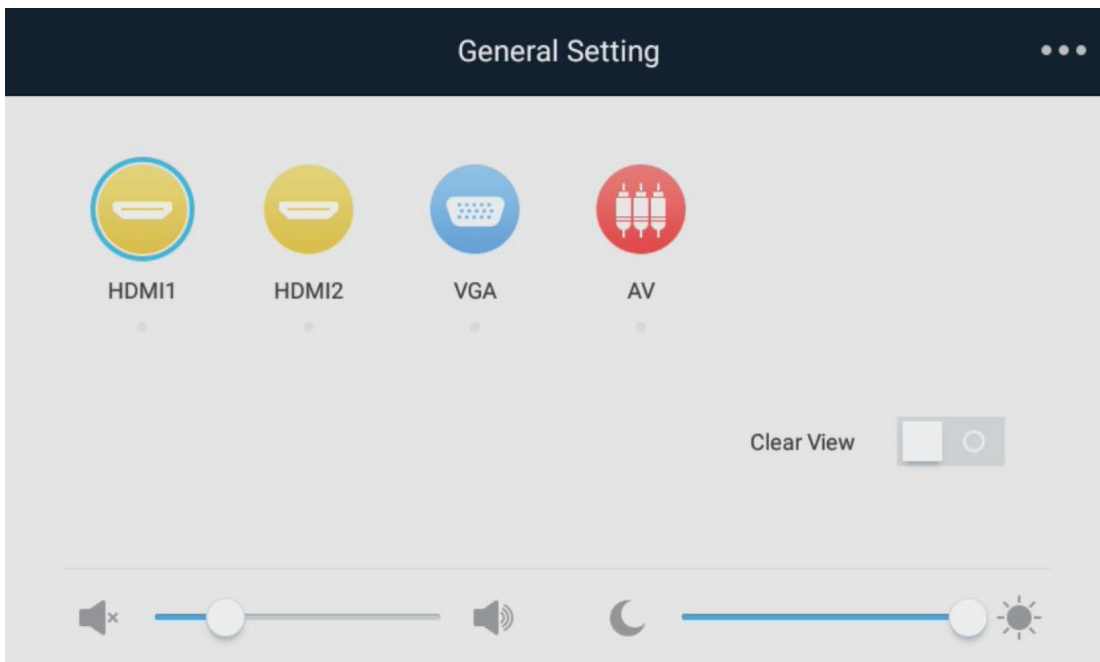
*Note: “Touch A Method” mentioned in this manual to call up touch menu method is shown above.*

## Setting Menu

### General Setting

- Press INPUT button on remote control or via touch A method to call up General 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: PC channel will only display when the equipment connects the built-in computer.*

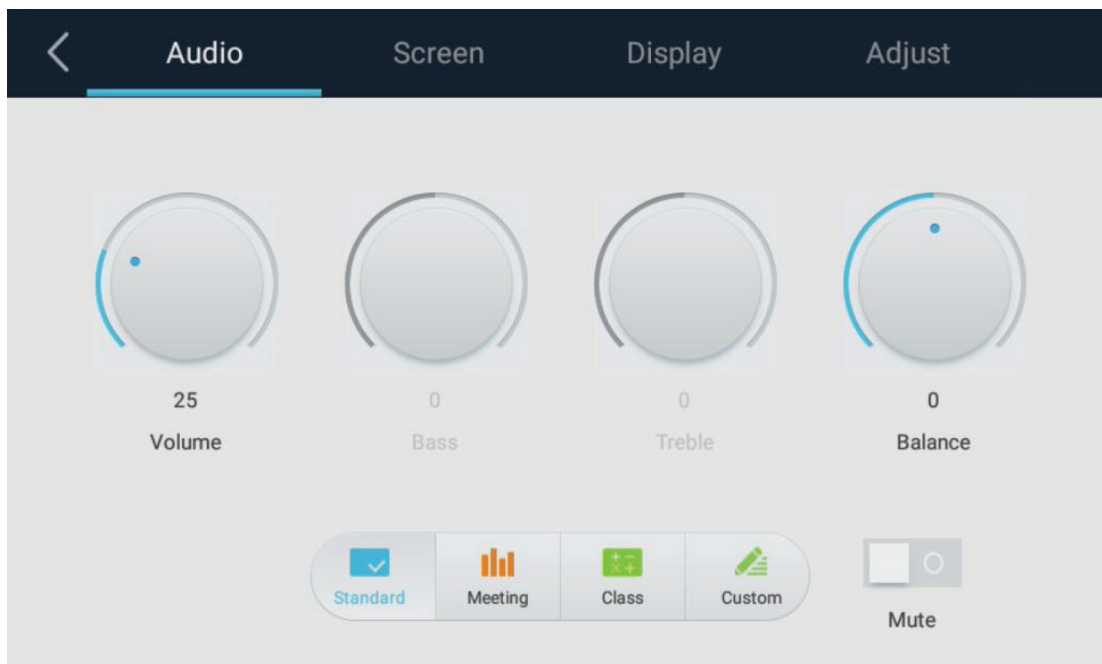


## Detail Setting Menu

Press Menu on remote control or click the icon **•••** on General Setting menu with touch pen to call up detail setting menu. Detail setting menu includes Audio, Screen, Display and Adjust.

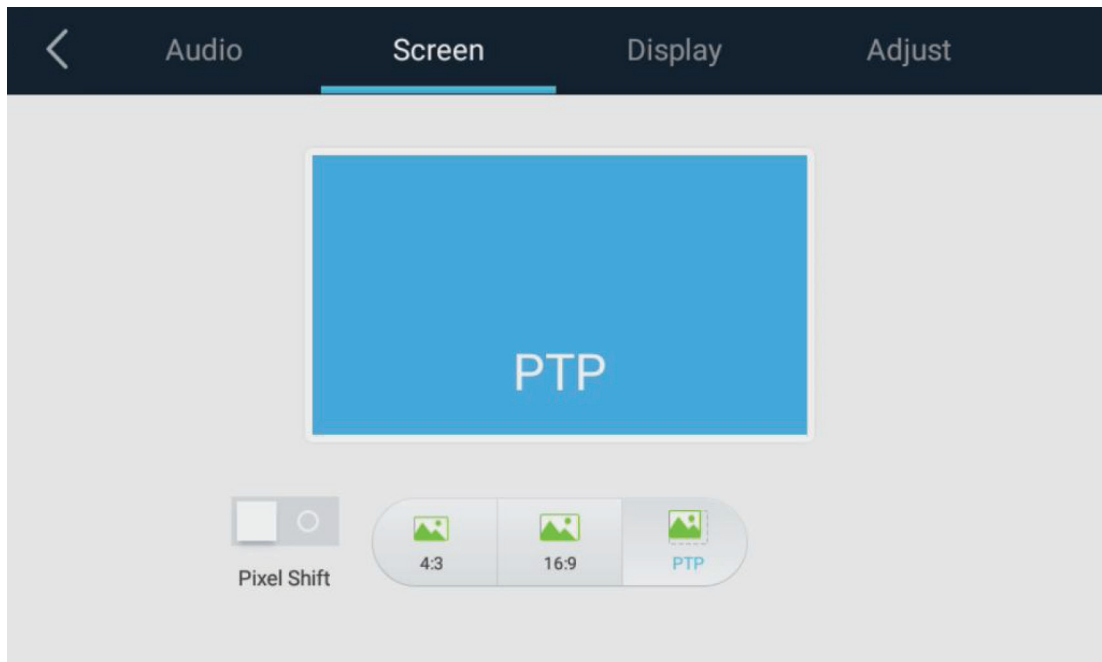
### Audio

- Press **►** button on remote control to select Audio setting menu.
- Press **▼** | **▲** | **◀** | **▶** button on remote control or directly click with touch pen to select the option.
- Press Enter on remote control to enter adjustment mode, and press **◀** | **▶** button or directly click with touch pen to adjust each option. Press Enter/Back to exit adjustment.
- Press Mute on remote control or directly click with touch pen to open or close mute state.
- Press Back on remote control or click blank area outside menu with touch pen to exit menu.



## Screen

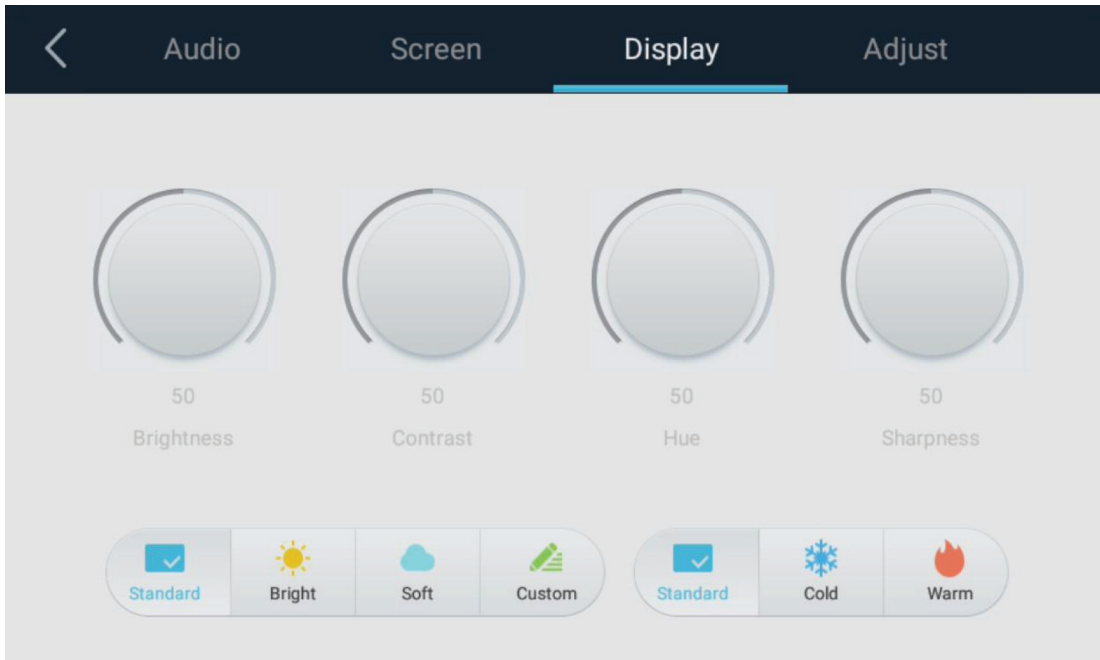
- Press ► button on remote control to select Screen setting menu.
- Press ▼ | ▲ | ◀ | ▶ on remote control or directly click with touch pen to select the option.
- Press Enter on remote control or directly click with touch pen to enter the selected mode.
- Press Back on remote control or click blank area outside menu with touch pen to exit menu.





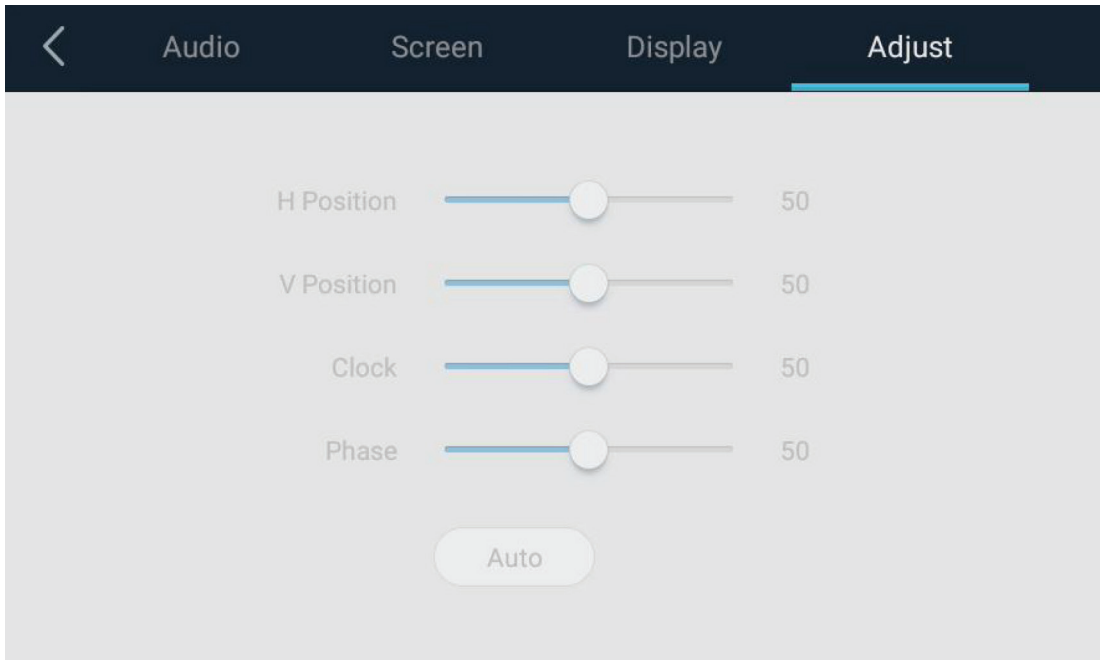
## Display

- Press ► button on remote control to select Display setting menu.
- Press button ▼ | ▲ | ◀ | ▶ on remote control or directly click with touch pen to select the option.
- Press Enter on remote control to enter adjustment mode, and press ◀ | ▶ button or directly click with touch pen to adjust each option. Press Enter/Back to exit adjustment.
- Press Back on remote control or click blank area outside menu with touch pen to exit menu.



### Adjust

- Press ► button on remote control to select Adjust setting menu.
- Press button ▼ | ▲ | ◀ | ▶ on remote control or directly click with touch pen to select the option.
- Press Enter on remote control to enter adjustment mode, and press ◀ | ▶ button or directly click with touch pen to adjust each option. Press Enter/Back to exit adjustment. You can also click the “Auto” icon to adjust automatically.
- Press Back on remote control or click blank area outside menu with touch pen to exit menu.



## Simple Troubleshooting

### Machine Fails to work Normally

Situation	Solution
Remote control failure	<ul style="list-style-type: none"><li>• Check whether there are other objects between remote control and equipment control receiving window, thus leading to failure of remote control.</li><li>• Check whether the battery electrode in the remote control is correct.</li><li>• Check whether remote control needs to replace battery.</li></ul>
Machine automatically shut down	<ul style="list-style-type: none"><li>• Whether set sleep or not.</li><li>• Check whether there is sudden power outage.</li><li>• 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.</li></ul>

### PC Mode

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

### Touch Function

Situation	Solution
Touch function invalid	<ul style="list-style-type: none"><li>• Check whether the size of article touched is comparable with finger.</li></ul>
Touch positioning not correct	<ul style="list-style-type: none"><li>• Check whether touch pen is facing the screen.</li></ul>

### Video Function Can't Work Normally

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

### Audio Function Can't Work Normally

Situation	Solution
With image but without sound	<ul style="list-style-type: none"><li>• Check whether mute button is pressed for mute.</li><li>• Press VOL + / - to adjust volume.</li><li>• Check whether audio line is connected correctly.</li></ul>
Only one speaker has sound	<ul style="list-style-type: none"><li>• Adjust sound balance in menu.</li><li>• Check whether computer sound control panel only sets up one sound channel.</li><li>• Check whether audio line is connected correctly.</li></ul>
HDMI output without sound	<ul style="list-style-type: none"><li>• Check whether connect external device.</li></ul>

## Maintenance

Proper maintenance and careful cleaning can help prolong the life of your panel. Please unplug power plug before cleaning and maintenance, to prevent electric shock.

### Clean Screen

1. Mix and stir a little fabric softener or tableware detergent with alcohol.
2. Use a soft cloth soaked in the mixture.
3. Take out cloth and twist to half dry state to wipe machine screen.
4. 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 power cable to prevent any possible dangers caused by power supply ripple from lightning.