



USER GUIDE

ProColor Series 3

interactive flat panel

Note : The pictures in this manual are for reference only and 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, so 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, and make sure to not spill any liquid inside the unit.

Power Supply

Please keep the power cable from physical or mechanical damage.

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

The power cable comes with the device and is exclusively for this device.

Please unplug power supply when there is thunder or lightning outside.

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 this cable.

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

LED Screen

Unplug the power cable before cleaning.

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

For a deep clean, please contact an authorized service center.

Never use water or spray detergent to clean the unit.

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

For optimal panel lifetime and display performance, do not display high brightness images for lengthy periods of time.

Temperature

Normal operating temperature is 0 ~ 40°C.

Do not place the unit near or over a radiator or a heater.

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

Humidity

Do not expose the unit to rain or place in an area of high humidity.

Please make sure the 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 earphones, please turn down the volume.

Using the earphones to listen to loud sounds for a long time may affect hearing.

Standby

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

Battery

Please make sure the battery is properly disposed of or recycled 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 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:

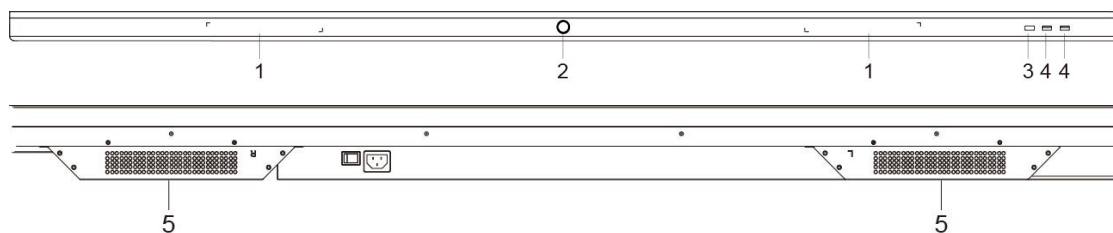
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.

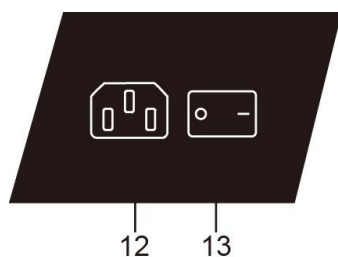
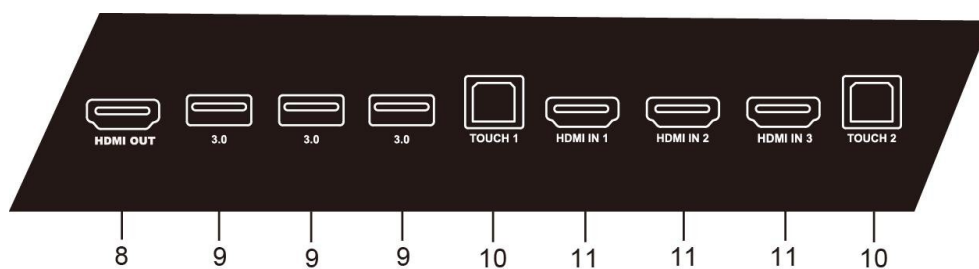
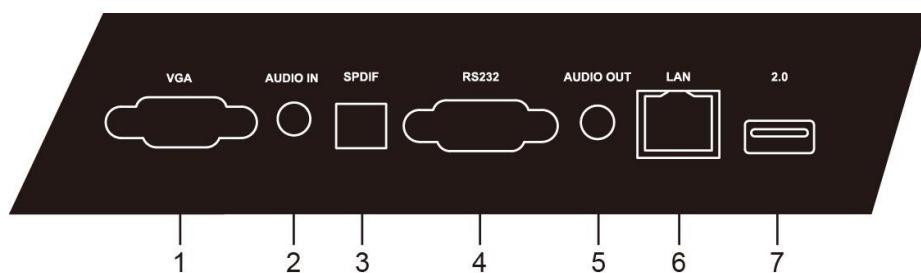
Control Panel

1. Prepare to Install



Number	Items	Function description
1	Magnetic zone	Area for placing the absorptive magnetic pen
2	⏻	Tap to enter energy-saving mode. Press for at least 2 seconds to enter standby mode.
3	Remote control signal receiver	Receive the remote signal
4	USB	USB interface of Android system
5	Bottom loudspeaker	Amplify audio

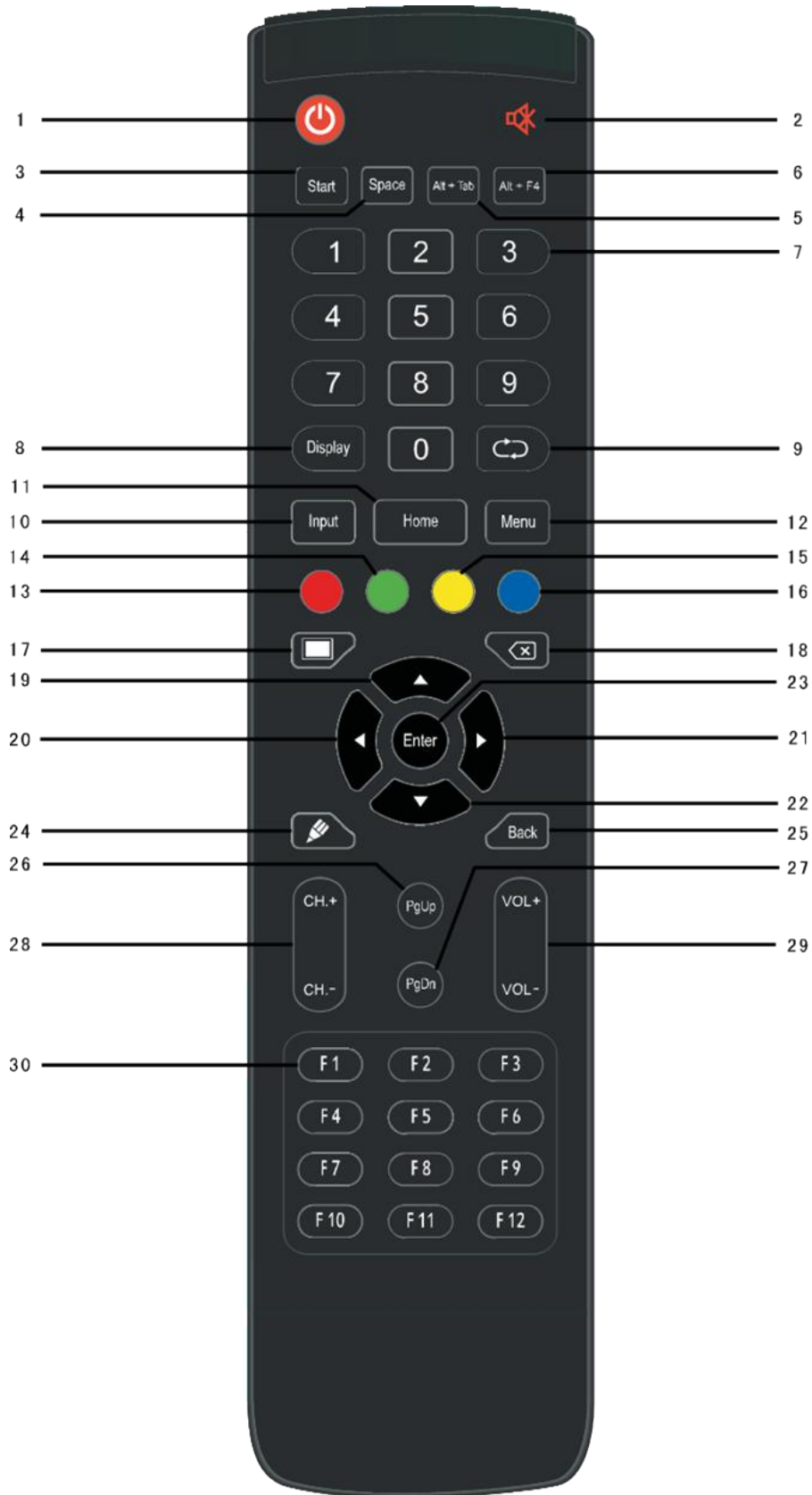
2. Terminal Interface









Number	Items	Function description
1	VGA	External computer image input
2	AUDIO IN	External computer audio input
3	SPDIF	Carry multichannel sound via optical signals
4	RS232	Serial interface (used for mutual transfer of data between devices)
5	AUDIO OUT	Audio output to the external speaker
6	LAN	Connect RJ45 terminals
7	2.0	USB 2.0 to connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc.
8	HDMI OUT	Connect to the devices with HDMI input function
9	3.0	USB 3.0 to connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc.
10	TOUCH	Touch signal output to the external computer
11	HDMI IN	High-definition multimedia interface signal input to connect to devices with HDMI output interface (personal computer with HDMI output, set-top box, or another video device)
12	AC IN	AC power input to connect AC power supply
13	AC SWITCH	Open or shut down AC power supply. I means power on, O means power off

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 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.-	Change the channel up/down
29	VOL+ / VOL-	Increase/reduce the volume
30	F1-F12	PC's F1 through F12 function keys

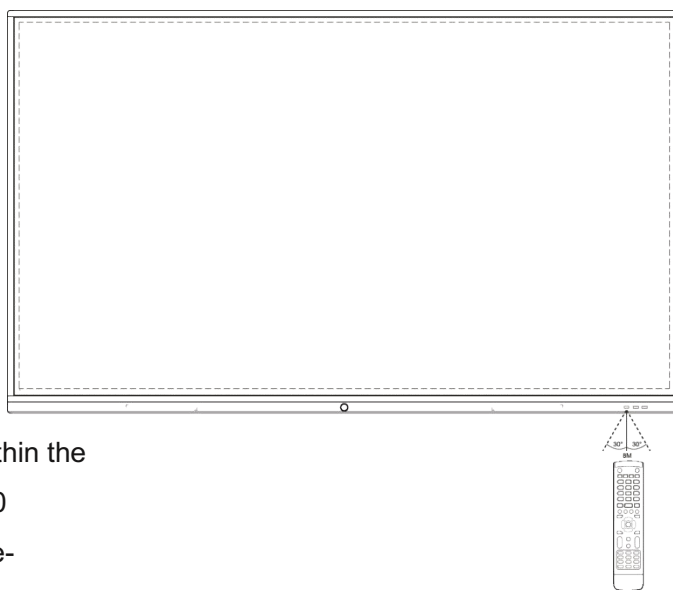
NOTE: Computer-related function keys are not available without a built-in computer.

3) Remote Control Instruction

Install Batteries

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

Range of remote control




Remote control can work normally within the range of eight meters distance and 30 degrees left and right from the remote-control receiver. In order to protect the environment, please dispose used batteries into a recycling box.

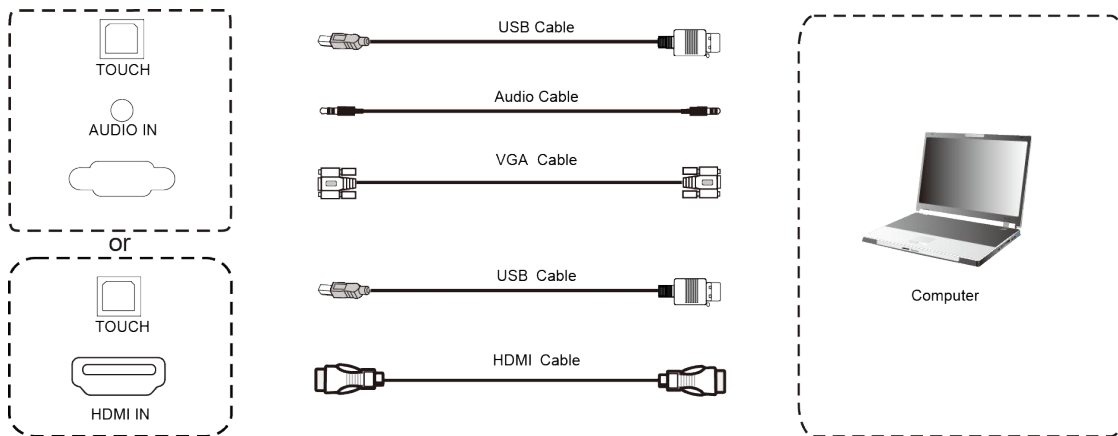



If the battery is replaced with an incorrect type, it may cause an explosion.

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 a VGA cable to connect to VGA output port of external computer and 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 will be powered on.
- 6) Press the INPUT key to switch to VGA/HDMI channel.



For external computer input, the equipment's best resolution is 3,840x2,160.

Recommended computer configuration:

1GB available hard drive

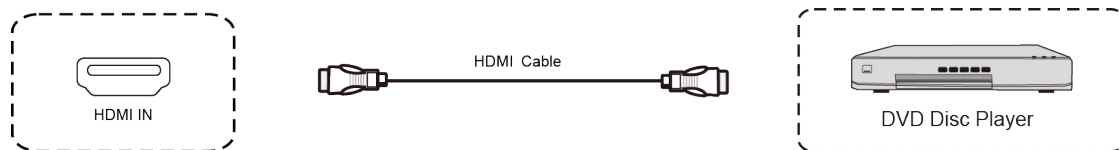
2.0GHz processor, 1GB memory


More than 256 color display cards

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

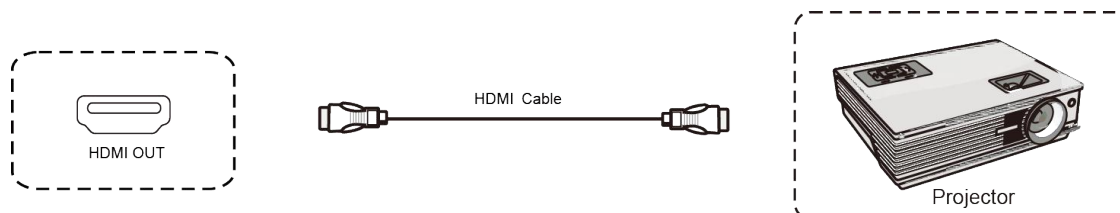
Support resolution 800x600, 1,024x768, 1,920x1,080, and 3,840x2,160


2. Audio and Video Equipment



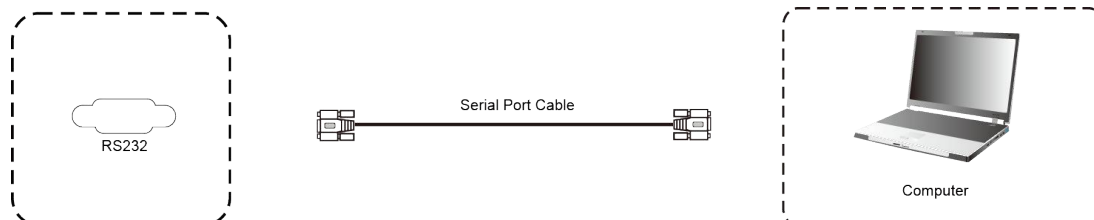
- 1) Use HDMI cable to connect audio and video equipment with HDMI output.
- 2) After cable connection, plug in power cord and switch power on.
- 3) Press  to turn equipment on.
- 4) Press INPUT key to switch to HDMI port.

3. Audio and Video Equipment



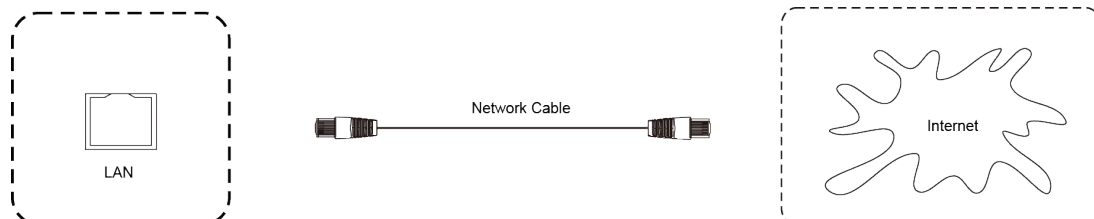
- 1) Use HDMI cable to connect audio and video equipment with HDMI input.
- 2) After cable connection, plug in power cord and switch power on.
- 3) Press  to turn equipment on.

4. RS232 Connection

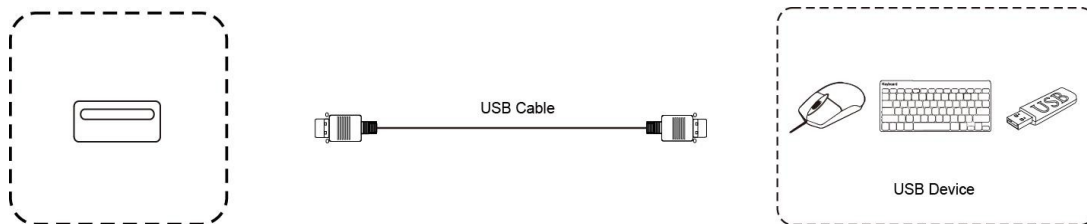


After using a serial port cable to connect the central control equipment and machine, certain functions of the machine can be controlled via central control equipment, such as machine on/off, adjustment of sound volume, etc.

5. LAN Connection



6. USB Connection

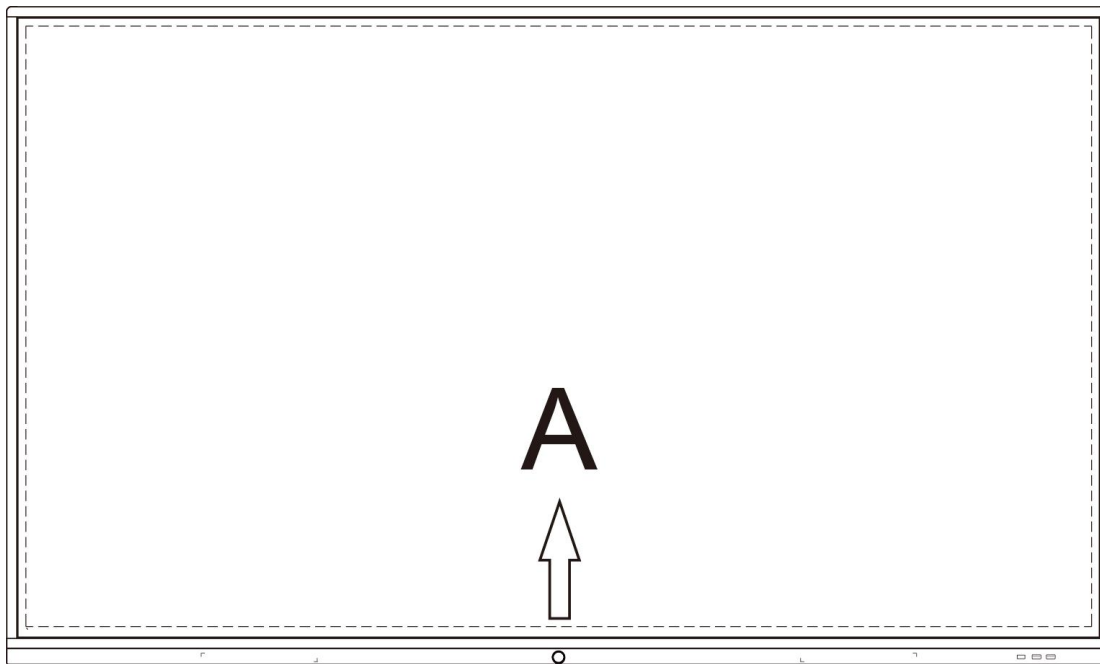


Menu Operation

Touch Menu Operation

Call-Up Method

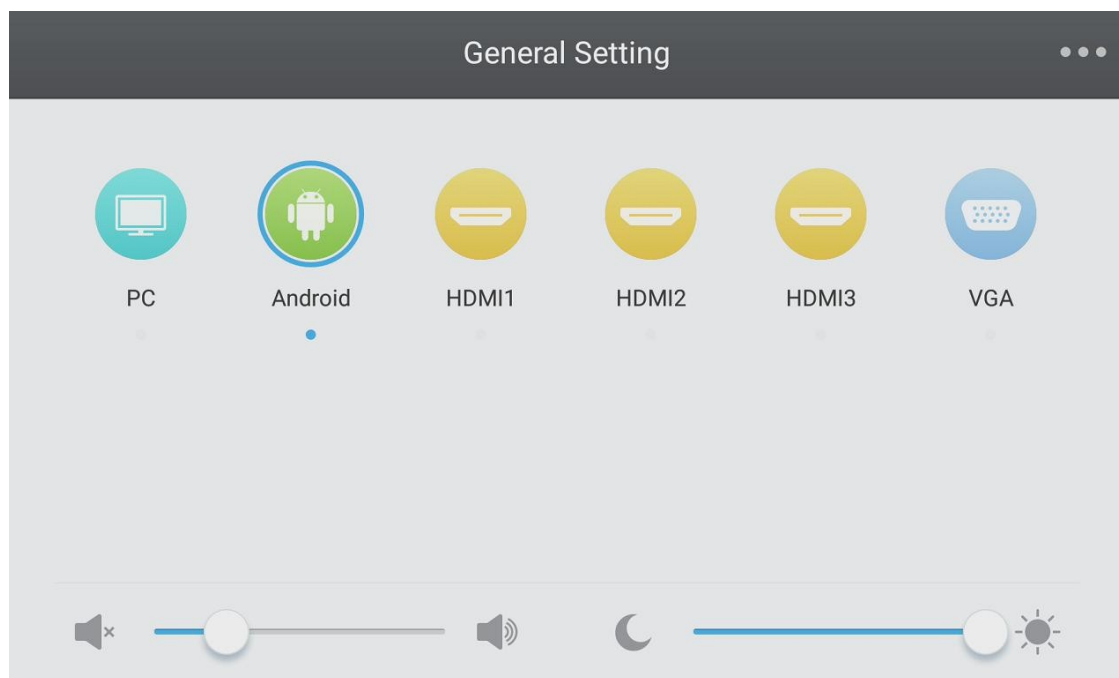
Use the middle point position on the bottom of the display screen as a starting point. Using a touch pen, drag toward the screen center position to call up the touch menu as shown below.



Note: The "Touch A Method" mentioned in this manual to call up the touch menu is shown above.


Setting Menu

General Setting










- Press the INPUT button on the remote control or via the touch A method to call up the General Setting menu.
- Press ▼/▲/◀/▶ button on remote control to select the channel you need.
- Press the Enter button on the remote control or directly click with a touch pen to confirm selected input channel.
- Press the return key on the remote control or click the blank area outside the menu with a touch pen to exit the menu.
- Note: PC channel will only display when the equipment connects to the built-in computer.

Detail Setting Menu

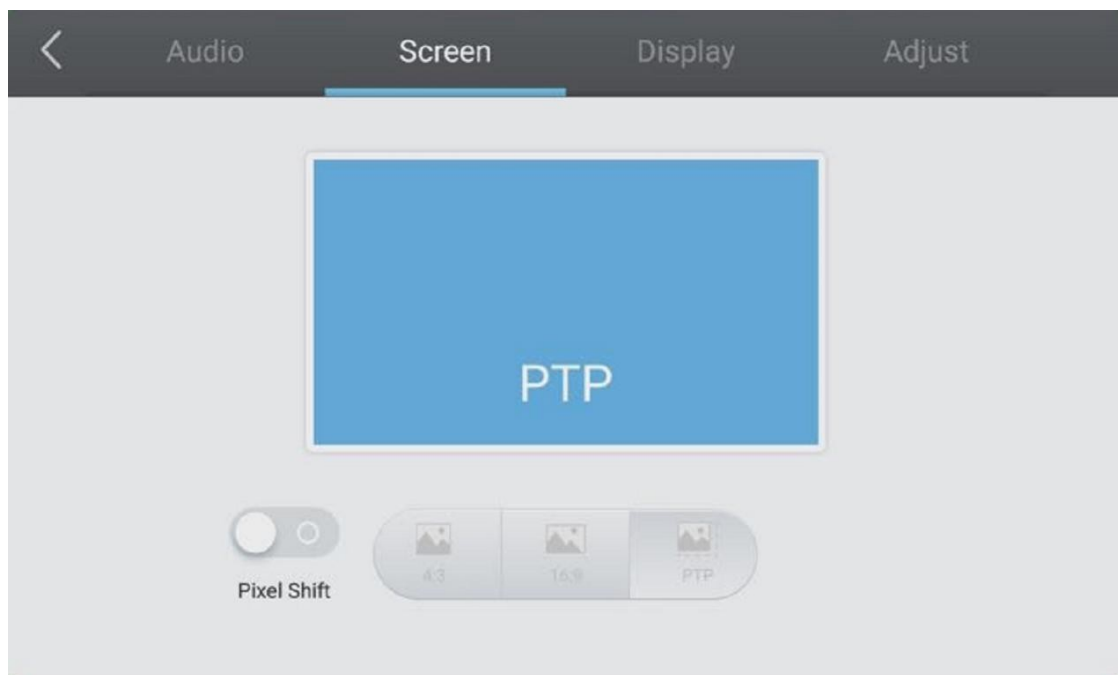
Press Menu on remote control or click the icon  on the General Setting menu with a touch pen to call up the Detail Setting menu. This menu includes Audio, Screen, Display and Adjust options.

Audio



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

Screen



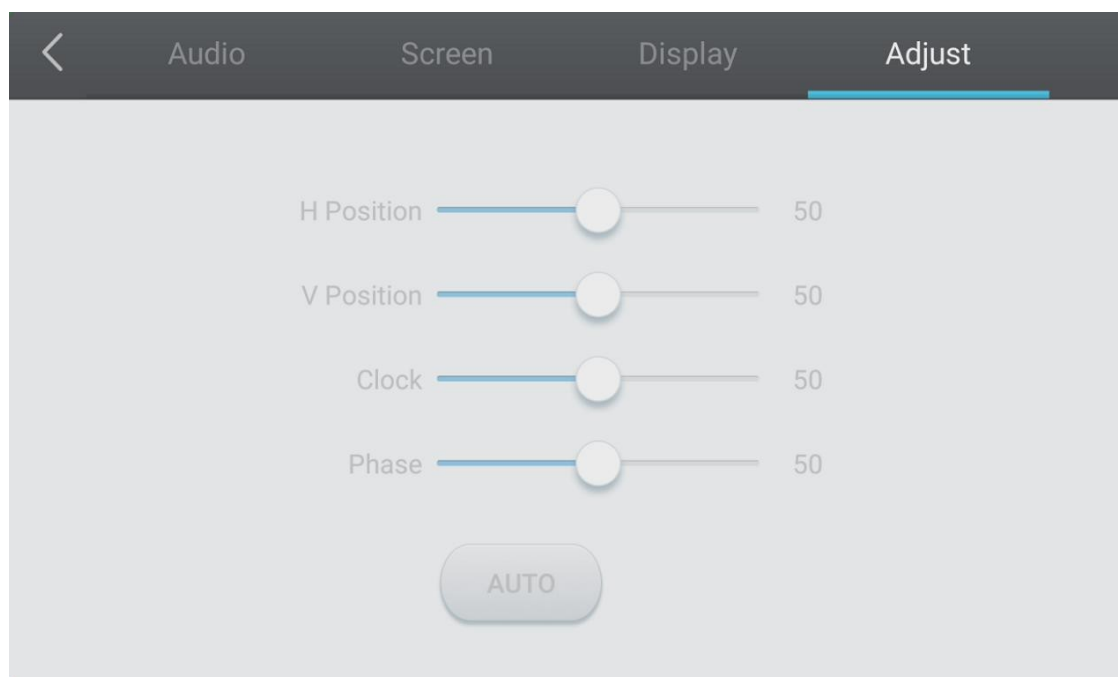
- Press ► button on the remote control to select the Screen setting menu.
- Press ▼/▲/◀/▶ on the remote control or directly click with a touch pen to select the option.
- Press Enter on the remote control or directly click with a touch pen to enter the selected mode.
- Press Back on the remote control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

Display



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

Adjust



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

Simple Troubleshooting

Machine Fails to Work Normally

Remote control failure	Check whether there are other objects between the remote control and the receiving window leading to the failure of the remote control.
	Check whether the battery electrode in the remote control is correct.
	Check whether the remote control needs new batteries.
Machine automatically shut down	Check whether it is set sleep or not.
	Check whether there is a sudden power outage.
	The system will automatically shut down if the interactive intelligent panel's external channel loses signal for five minutes. Please check the input and connection of the signal.

PC Mode

Signal out of range	Check whether the display is set correctly.
	Check whether the resolution is the best resolution.
	Adjust line and field synchronization in the menu.
Background has vertical lines or streaks	Select automatic correction in menu.
	Adjust clock and phase position in menu.
Image lack of color, color is incorrect	Check whether the VGA is connected correctly or has a quality issue.
	Adjust the chromatic and brightness or contrast in the menu.
Display format that is not supported	Select automatic correction in the menu.
	Adjust clock and phase position in the menu.

Touch Function

Touch function invalid	Check whether the size of the article touched is comparable with finger.
Touch positioning not correct	Check whether the touch pen is facing the screen.

Video Function Won't Work Normally

No picture and no sound	Check whether the machine is in started state.
	Check whether the signal wire is plugged in properly and whether the input is corresponding to it correctly.

	If in internal computer mode, check whether the internal computer has started.
Seeing horizontal or vertical stripes, or image is dithering	Check whether the signal wire is properly connected.
	Check whether other electronic equipment or power tools are placed around the machine.
No color, color is weak, or image is weak	Adjust the chromatic and brightness or contrast in menu.
	Check whether the signal wire is properly connected.

Audio Function Won't Work Normally

With image but without sound	Check whether the mute button is pressed.
	Press VOL + / - to adjust volume.
	Check whether the audio line is connected correctly.
Only one speaker has sound	Adjust the sound balance in the menu.
	Check whether the computer sound control panel only sets up one sound channel.
	Check whether the audio line is connected correctly.
HDMI output without sound	Check whether the external device is connected.

Maintenance

Proper maintenance can prevent many early faults and regular careful cleaning can make the machine work like it's brand new.

Please unplug the power cable before cleaning and maintenance to prevent electric shock.

Clean Screen

Please mix and stir a little fabric softener or tableware detergent with alcohol.

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

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

Repeat several times, paying attention to not squeeze the water flow into the machine when wiping.

Clean Face Frame

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

No Use of Machine for a Long Period

If the machine has not been used for a long period—such as a holiday—please make sure to unplug the power cable to prevent any possible dangers caused by power supply ripple from lightning.