

# MimioPro 4 Interactive Display

## Technical User 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 only indicative. 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 to not spill any liquid inside the unit.

## **Power Supply**

- Keep power cable from physical or mechanical damage.
- Check and ensure AC source is connected to the ground.
- The power cable is exclusively for use with this device only.
- Unplug power supply during severe weather such as thunderstorm and lightning storms.
- Check that the unit's operating voltage is identical with your local power supply.
- Use the original power cable from the accessory bag. Do not modify or lengthen it.
- Unplug power supply during school breaks or when 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.
- To ensure the best display quality and extend the life of the product, do not display overly bright images for extended 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 to a warm place, please unplug the power cable and do not turn it on for at least 2 hours, making sure the moisture inside the unit is all evaporated.

## Humidity

- Do not expose the unit to 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.

## **Earphones**

Before using earphones, be sure to turn down the volume. Listening to loud sounds for a long time might affect the hearing.

## **Standby**

The display will go to the standby mode but be sure not to turn off the unit after pressing the standby key.

## **Battery**

- Please make sure that batteries get proper disposal or recycle after using.
- Please keep the battery away from children and do not throw the battery into a fire.
- Caution risk of fire or explosion if the battery is replaced by an incorrect type.

## **Notes for Cleaning**

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

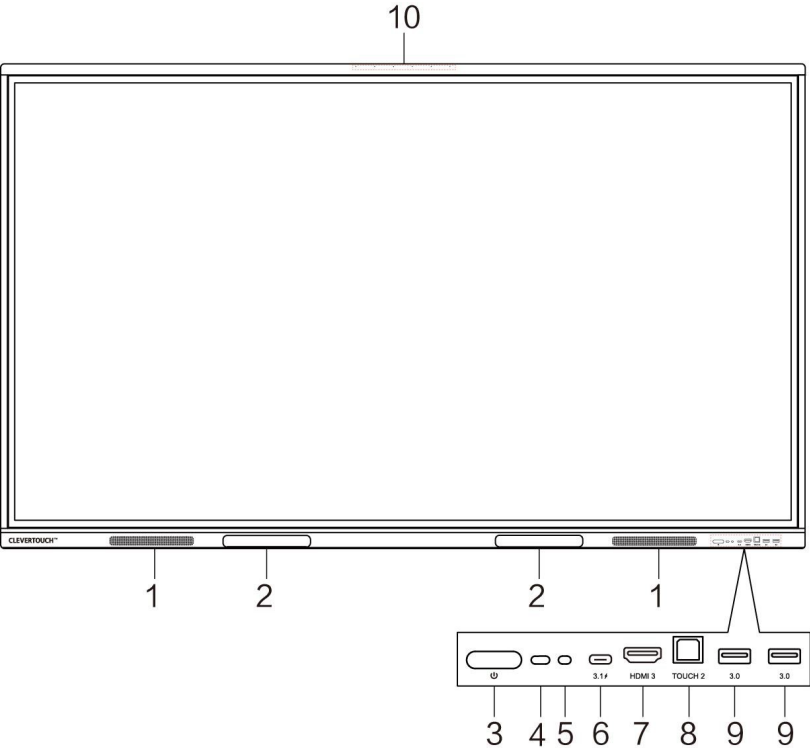
## **Power Switch Status**

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

## **Notes for Maintenance**


This machine can only be maintained by a certified engineer.

**Control Panel**  
**1) Prepare to Install**



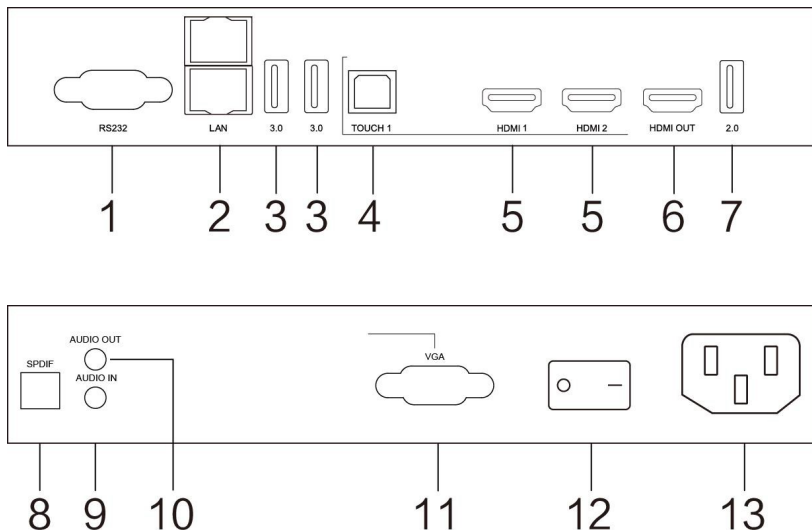
Number	Items
1	Loudspeaker



2	Magnetic zone: Area for placing the absorptive magnetic pen.
3	 : Tap to enter energy-saving, press at least 2 seconds to enter standby mode.
4	Remote control signal receiver
5	Light sensor
6	<p>3.1⚡: Support charging, data transmission, extension for audio and video output interface, etc.</p> <p><i>Note: The maximum rated power of the USB Type-C port is 65W. When using this port to charge electronic devices, the charging power of the electronic device cannot exceed the rated power of this port. If the charging power of the electronic device exceeds the rated charging power of this port, <b>please do not</b> directly use this port for charging.</i></p>

7	HDMI 3
8	TOUCH 2
9	3.0
10	Microphone

## 1) Terminal Interface



Number	Items	Function description
1	RS232	Serial interface, used for mutual transfer of data between devices.
2	LAN	Connect RJ45 terminals.
3	3.0	Connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc.

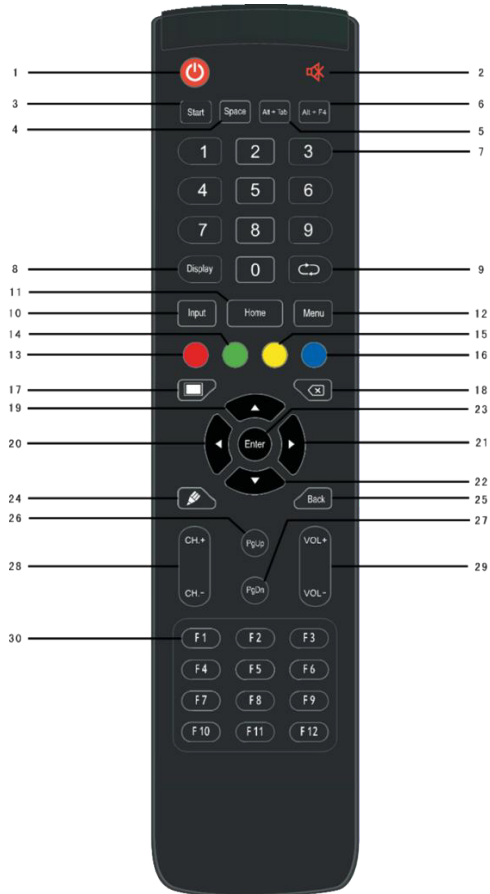
4	TOUCH 1	Touch signal output to the external computer.
5	HDMI IN	High-definition multimedia interface signal input, connect to devices with HDMI output interface (personal computer with HDMI output, set-top box, or another video device).
6	HDMI OUT*	Connect to the devices with HDMI input function.
7	2.0	Connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc.
8	SPDIF	Carry multichannel sound via optical signals.

9	AUDIO IN	External computer audio input.
10	AUDIO OUT	Audio output to the external speaker.
11	VGA	External computer image input.
12	AC SWITCH	To open or shut down AC power supply. “1” means power on, “0” means power off.
13	AC IN	AC power input, connect AC power supply.




*Note: **【\*】** indicates partial terminals are optional.*



## 2) Remote Control

### 1) Remote Control Button Instructions




## 2) Button Functions

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
8	Display	Display channel information
9		Not Used
10	Input	Pop up settings menu
11	Home	Return to Android system main screen

12	Menu	Pop up menu
13	Red	Enable or disable keys and Touch
14	Green	Enable or disable keys
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
19	▲	Scroll Up
20	◀	Scroll Left
21	▶	Scroll Right
22	▼	Scroll Down



23	Enter	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.-	Not Used
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) Installing and Replacing Batteries**

- On the back of remote control, open the cover of battery compartment.
- 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.
- After battery is installed, close the back cover of battery compartment. Make sure that the clip is buckled to the bottom.

*Note: To protect environment, please dispose waste battery into recycling box.*



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

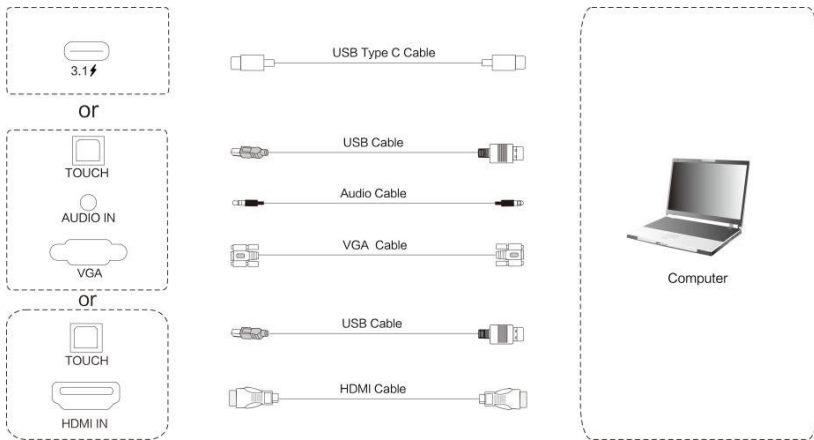
### **4) Range of Remote Control**

Remote control can work normally within the range of 8 meters distance and 30 degrees left and right from the remote control.


## Connection and Settings

**⚠ For the safety of you and the machine, please do not plug in any power cord prior to connecting cables.**

### (1) External Computer and Touch Connection



- 1) Use one of the following to connect a laptop or external computer:
  - a. USB Type-C cable to connect the computer
  - b. VGA cable to connect to VGA output port of external computer, headphone audio cable to connect to external computer audio output interface, and a USB cable to connect to external computer

- c. HDMI cable to connect to HDMI output port of external computer and a USB cable to connect to external computer USB port
- 2) After the cables are connected, plug in the power cord, and switch the power on.
- 3) Start external computer.
- 4) Press the  power key.
- 5) Switch the input source to the USB Type-C /VGA/HDMI channel in the main menu.

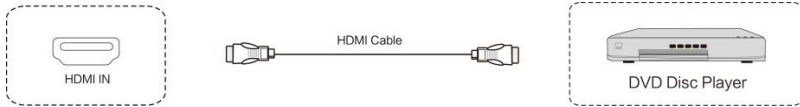



*Note: External computer input, equipment's best resolution is 3840×2160.*

### **Recommended Computer Requirements:**

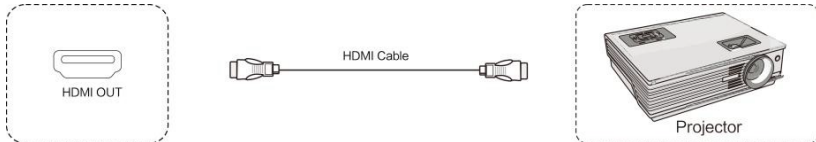
- 1GB Available Hard Drive
- 2.0GHz Processor
- 1GB Memory
- More than 256 color display cards
- VGA OUT / HDMI OUT, Audio-OUT, USB Interface
- Support Resolution: 800×600, 1024×768, 1920×1080, or 3840×2160


## (2) Audio and Video Equipment



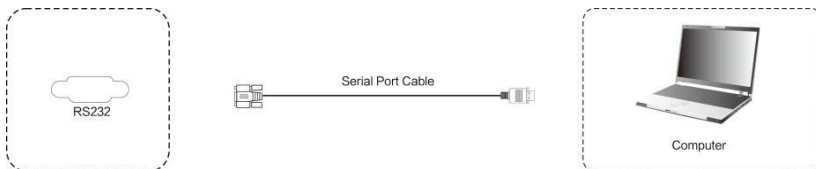
- Use HDMI cable to connect audio and video equipment with HDMI output.
- After the cable is connected, plug in the power cord, and switch the power on.
- Press  Power to turn on the equipment.
- Switch the input source to the HDMI channel in the main menu.

### (3) Audio and Video Equipment



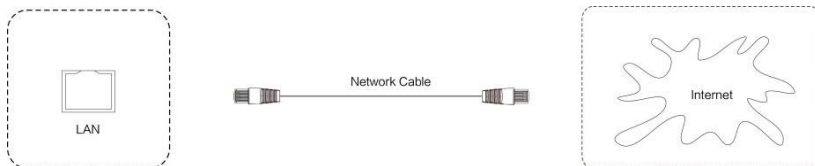
- 1) Use HDMI cable to connect audio and video equipment with HDMI input.
- 2) After the cable is connected, plug in the power cord, and switch the power on.
- 3) Press  Power to turn on the equipment.

### (4) RS232 Connection

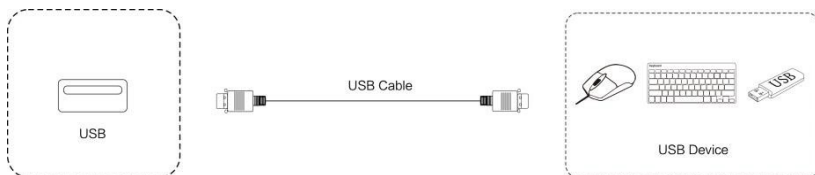


After using the serial port cable to connect the central control equipment and machine, certain functions of the machine can be controlled via central control equipment, such as ON/OFF, and adjustment of sound volume, etc.

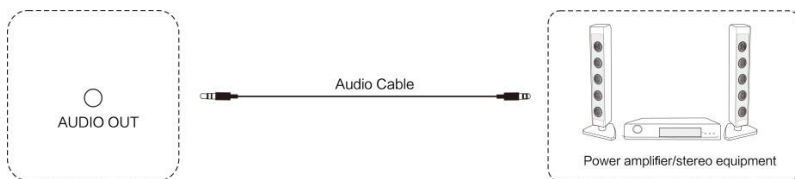
## (5) LAN Connection



## (6) USB Connection



## (7) AUDIO OUT Connection



## Simple Troubleshooting

### Machine Fails to Work Normally

Remote control failure	Check whether there are other objects between the remote control and equipment control receiving window. An obstructed signal could lead to failure of the remote control.
	Check whether the battery electrode in the remote control is correct.
	Check whether the remote control needs a battery replacement.
Machine automatically shut down	Check sleep settings.
	Check whether there is sudden power outage. The system will automatically shut down if the interactive display's external channel loses signal for 5 minutes. Please check the input and connection for a signal.



## PC Mode

Signal out of range	Check whether display is set correctly.
	Check whether resolution is set to the best resolution.
	Adjust line and field synchronization in 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 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.

## 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.

## Video Function Can't Work Normally

No picture and no sound	Check whether the machine has been started.
	Check to make sure that the signal wire and the corresponding INPUT are firmly plugged in and properly connected.
	If in the internal computer mode, check whether the internal computer is on.

Horizontal or vertical stripes or image dithering	Check whether signal wire is firmly plugged in.
	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 firmly plugged in.

## Audio Function Can't Work Normally

Image but no sound	Check whether mute button is on.
	Press VOL + / - to adjust volume.
	Check whether audio line is connected correctly.
Only one speaker has sound	Adjust sound balance in menu.
	In the Control Panel, check to see if the computer sound is set up for one channel.
	Check whether audio line is connected correctly.
HDMI output without sound	Check the connection to the external device. Make sure it is plugged in firmly.

## Maintenance

Proper maintenance can prevent difficulties and regular, careful cleaning can make machine feel brand new.

To begin, unplug the power cable before cleaning and maintenance to prevent electric shock.

### Clean Screen

- Mix and stir a small and even amount of fabric softener or tableware detergent with alcohol.
- Use a soft cloth and completely soak it in the mixture.
- Take the cloth out of the mixture and twist until half dry. Then carefully wipe down the display screen.
- Repeat for several times and pay attention not to squeeze water on the display while cleaning.

### Clean Face Frame

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

## **Unplug During Long Breaks**

When a display will not be used for an extended period, such as holiday or summer break, please make sure to unplug the power cable to prevent any possible dangers caused by power surges, outages, lightning storms, etc.

