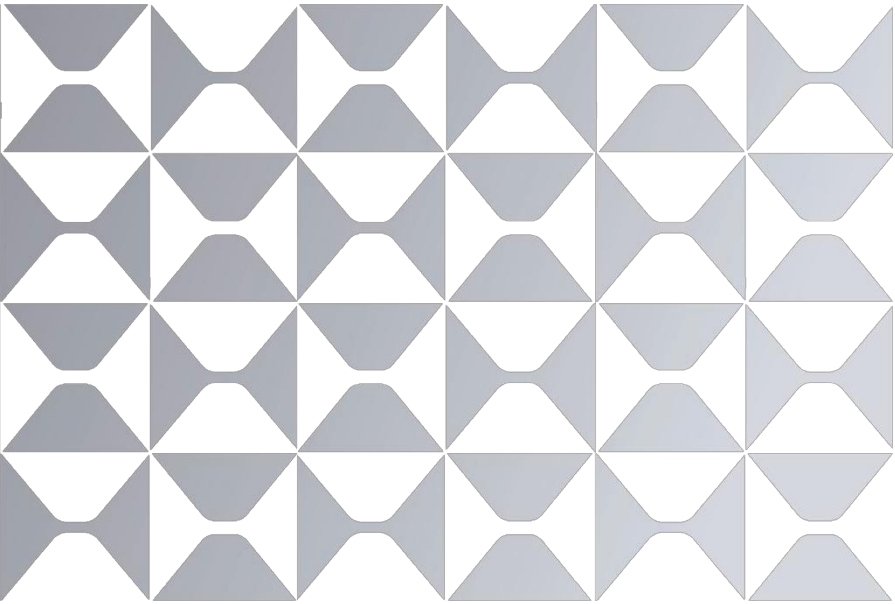
Commercial Display User Manual

Model: UW105NA



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

V1.5

MAXHUB

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Safety Warning

Images shown in this manual are 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

Power Cable: Handle the power cable with care to avoid physical or mechanical damage. Ensure that the AC source is properly connected to the ground. Use the power cable that comes with the device exclusively, and do not modify or lengthen it.

Powering On: Verify that the unit's operating voltage is compatible with your local power supply. During thunderstorms or lightning, unplug the power supply to avoid any damage to the device.

Powering Off: When the device will be left unused for an extended period of time, such as during holidays, unplug the power supply to conserve energy and protect the device from any potential power surges.

Proper usage of the device will ensure its longevity and optimal performance.

➢ LED Screen

Before cleaning the device, unplug the power cable to avoid any potential electrical hazards.

Cleaning: Use a soft, dustless, and dry cloth to gently clean the screen. Avoid using water or spray-type detergents as they can damage the device. For deep cleaning, please contact an authorized service center.

Stylus: Never use any other hard or sharp object to replace the stylus.

Display Brightness: To preserve the panel's lifetime and display performance, avoid displaying high brightness images for prolonged periods of time.

➢ Temperature

Normal operating temperature is 0 ~ 40℃.

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

Avoid exposing the unit to rain or placing it in areas of high humidity.

The Commercial Display should be kept in a dry and cool indoor environment. The normal operating humidity range for the device is between 10% and 90% relative humidity (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, with a minimum of 10cm on the left, right, and back, and a minimum of 20cm on the top.

➢ Earphone

Before using earphones, please turn down the volume in advance to prevent damage to your hearing.

Using earphones to listen to loud sound for a long period of time can affect your hearing.

➢ Standby

Pressing the standby key will enter standby mode, but it will not turn off the unit.

Standby mode reduces power consumption while still allowing for quick and easy access to the device.

Properly utilizing standby mode can prolong the lifespan of your Commercial Display by reducing wear and tear on the device."

➢ 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.

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.

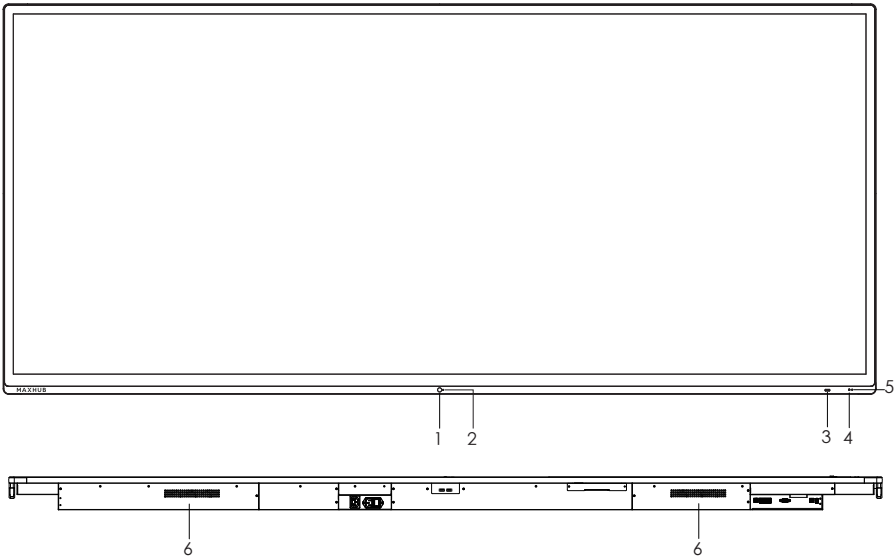
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—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. Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

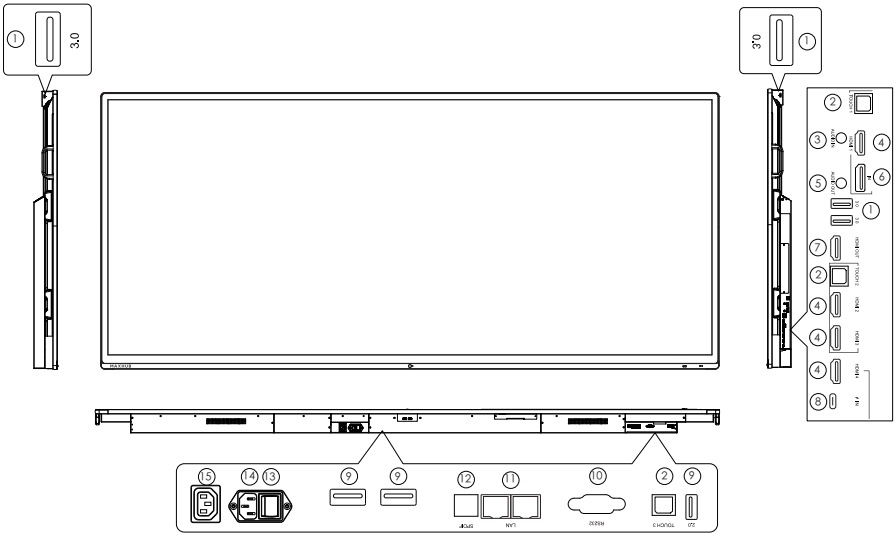
Control Panel



No.	Items	Function description
1	PIR	1) The screen will light up automatically when a person is detected in front of the screen 2) People in front of the screen to ensure that the screen
2	Light sensor	Sense ambient light to adjust backlight for appropriate brightness，it can be switched in the menu.
3	⏻ Power button	Tap to enter energy-saving, press at least 2 seconds to enter standby mode

4	Remote control signal receiver	Receive remote control signal
5	Power indicator light	Indicates power on, power off and upgrade status,Blue light when power on, red light when shutting down, red light flashing or red blue flashing when upgrading
6	Loudspeaker	Sound output

Terminal Interface



No.	Items	Function description
①	3.0	Connect USB devices such as mobile hard disk, U disk, USB keyboard ,mouse, USB drives, etc.

②	TOUCH	Touch signal output to the external computer
③	AUDIO IN	External audio sources input(It is generally used as the sound input of the VGA interface)
④	HDMI 1/2/3/4	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	AUDIO OUT	Audio output to the external speaker
⑥	DP	Connected to devices with Display Port output function.
⑦	HDMI OUT	Connected to the devices with HDMI input function(monitor)
⑧	⚡ IN	Support charging, data transmission, extension for audio and video output interface, etc. Note：The maximum rated power of the USB Type-C port of this product is 100W. 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, please Do not directly use this port for charging.
⑨	2.0	Connect USB devices such as mobile hard disk,

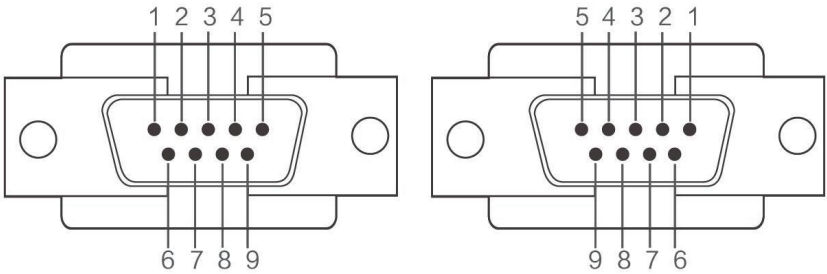
		U disk, USB keyboard ,mouse, USB drives, etc.
⑩	RS232	Serial interface, used for mutual transfer of data between devices
⑪	LAN	Connected to Ethernet
⑫	SPDIF	Carry multichannel sound via optical signals.
⑬	AC SWITCH	To open or shut down AC power supply. “I” means power on, “O” means power off
⑭	AC IN	AC power input, connecting AC power supply
⑮	AC OUT	AC power output,connecting AC power supply

Cable Connection

➢ RS232

Port	RS232 (9 pins)	Port	RS232 (9 pins)
Pin	TxD (No.2), RxD (No.3), GND (No.5)	Stop bit	1 bit
Bit rate	9600 bps	Flow control	None
Data bits	8 bit	Maximum length	15 m (only shielded type)
Parity	None		

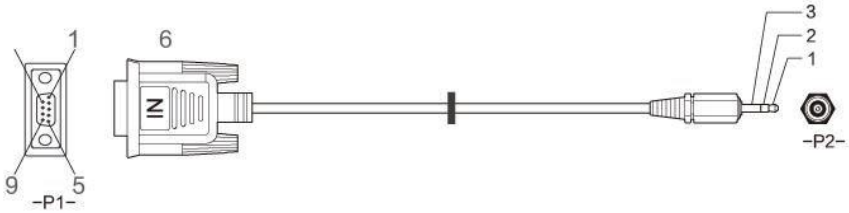
➢ Pin assignment



(Male type) (Female type)

Pin	Signal	Pin	Signal
1	Detect data carrier	6	Prepare data set
2	Received data	7	Send request
3	Transmitted data	8	Clear to send
4	Prepare data terminal	9	Ring indicator
5	Signal ground		

➢ RS232 cable

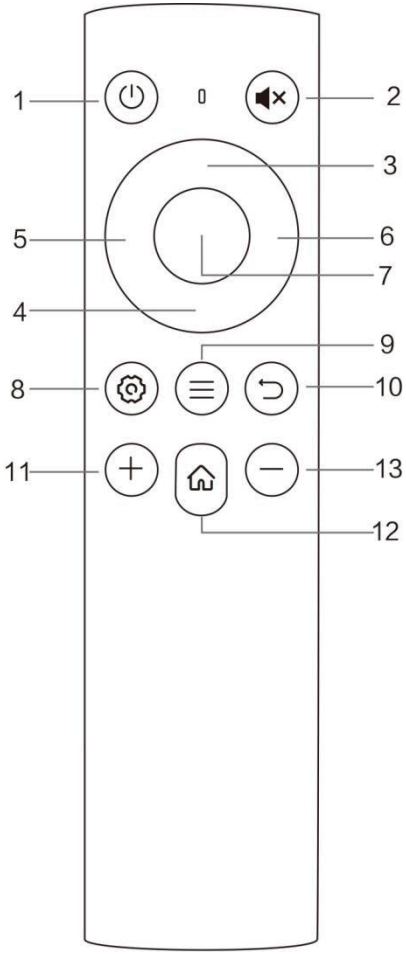


-P1-				-P2-		
Male type	Rx	3	⟷	1	Tx	STEREO
	Tx	2	⟷	2	Rx	PLUG
	Gnd	5	⟷	3	Gnd	(3.5ø)

For more detailed information on the RS232 codes, please refer to the “MAXHUB IFP Control Codes” documentation.

Remote Control

1) Remote Control Button Instruction



2) Detailed Function Description

No.	Items	Function description
1		Power on/off
2		Enter or exit mute mode
3	Scroll Up	press this button for upwards selection
4	Scroll Down	press this button for downwards selection
5	Scroll Left	press this button for left selection
6	Scroll Right	press this button for right selection
7	Enter	Confirm selection state
8		Setting button
9		Source menu
10		Backspace key
11		Increase the volume
12		Main screen button
13		reduce the volume

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

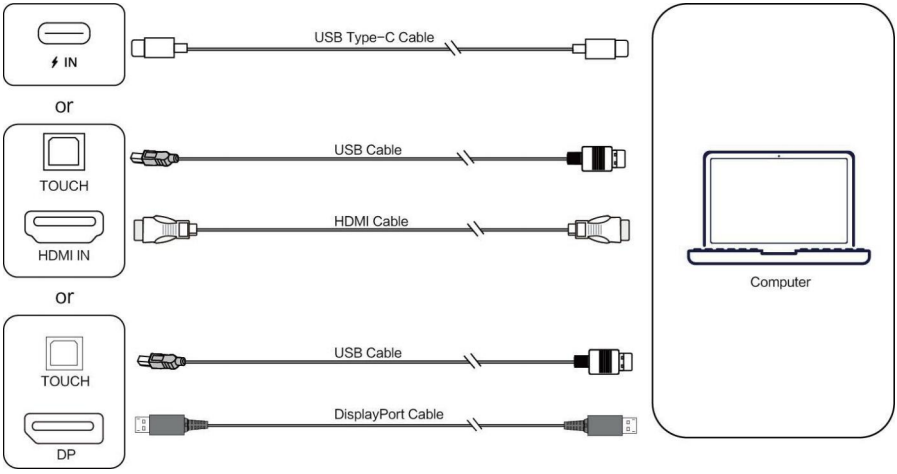
Remote control can work normally within the range of 8 meters distance, 30 degrees left and right from the remote-control receiver; in order to protect environment, please dispose waste battery into recycling box.

⚠ **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.

➢ External Computer and Touch Connection



1) Use USB Type-C cable to connect the computer (Or use HDMI cable to connect to HDMI output port of external computer. Or use Display Port cable to connect to display output port of external computer).

2) Use USB cable to connect to external computer USB port.

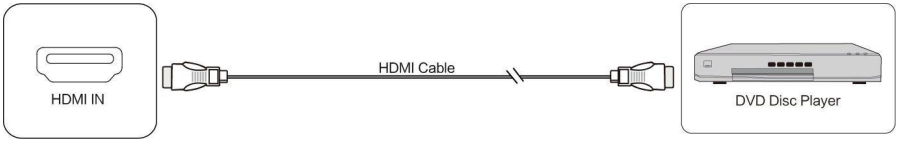
3) Once the cable is connected, plug in the power cord and switch on the power.

4) Start the external computer.

5) Press the power key to turn on the equipment.

6) Change the input source to the USB Type-C/HDMI channel in the main menu.

➢ Audio and Video Equipment



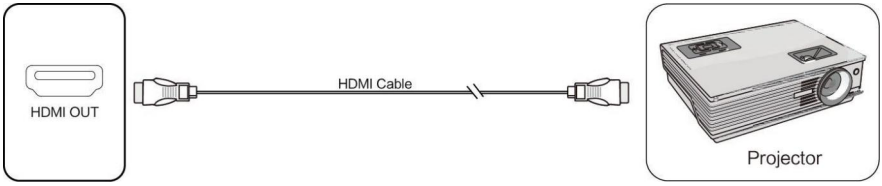
1) Connect audio and video equipment to the Commercial Display using an HDMI cable.

2) Once the cable is connected, plug in the power cord and switch on the power.

3) Press the power key to turn on the device.

4) Change the input source to the HDMI channel in the main menu.

➢ Audio and Video Equipment

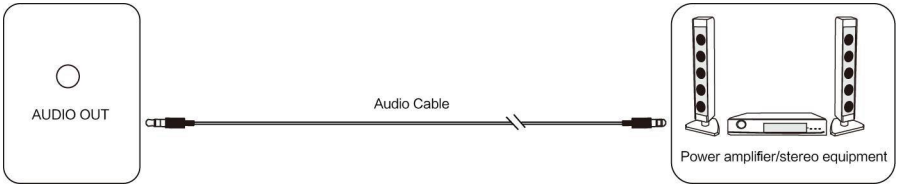


1) Use HDMI cable to connect audio and video equipment with HDMI input.

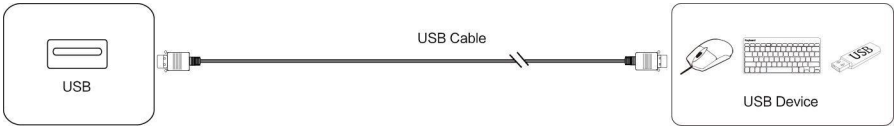
2) Once the cable is connected, plug in the power cord and switch on the power.

3) Press the power key to turn on the device.

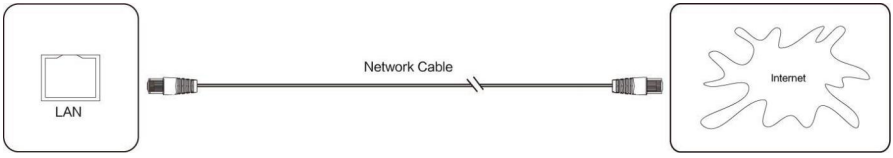
➢ AUDIO OUT Connection



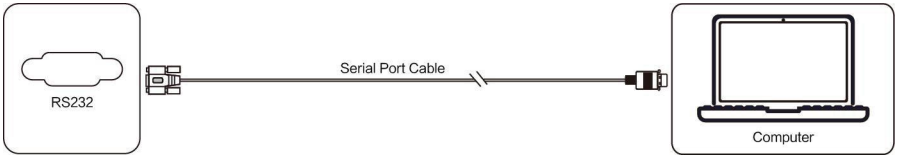
➢ USB Connection



➢ LAN Connection



➢ RS232 Connection

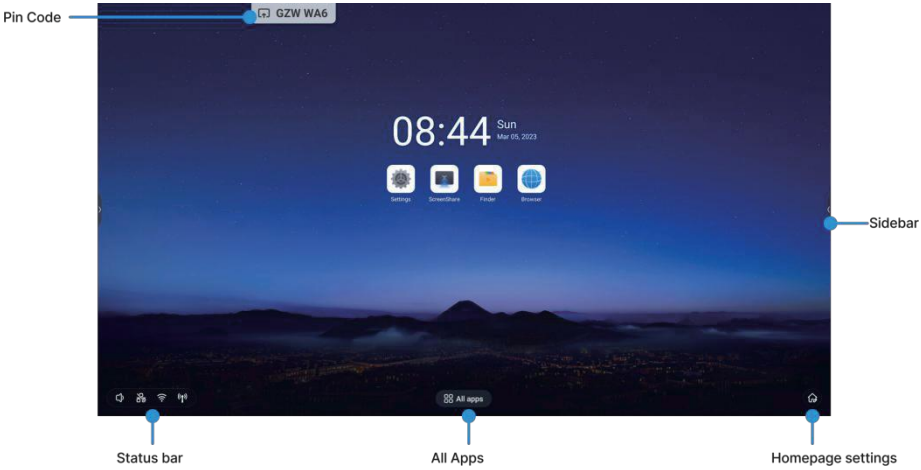


The use of a serial port cable to connect central control equipment and the equipment allows for certain functions of the equipment to be controlled through the central control equipment, including power on/off and sound volume adjustments.

Operation Guide

➢ MAXHUB OS Launcher

The built-in MAXHUB OS conferencing software, integrated with the commercial displays, provides content sharing and file browsing.



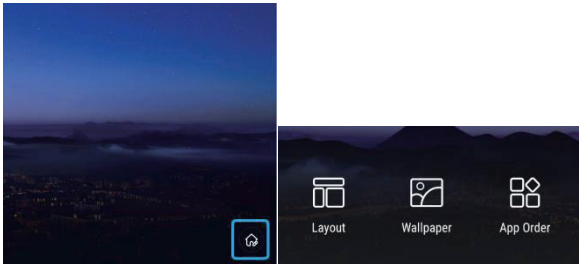
● Status bar

Status bar supports: speaker volume, USB disk, hot spot, Ethernet and WiFi. Users can go to the settings from here.

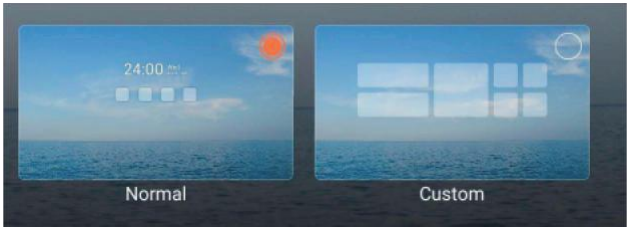
- **Homepage settings**

Launcher Settings： Users can edit the launcher settings from the right corner.

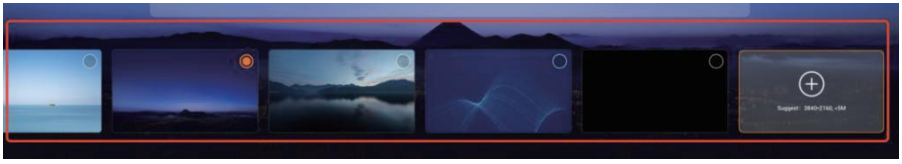
In the settings page, users can adjust layout, wallpaper and apps collection.



Launcher layout: users can adjust layout: conference mode, classic mode, customized mode.



Launcher wallpaper: rich wallpapers are available for users.



Now try to edit the launcher layout featured with real-scene wall paper, better fit into each room.

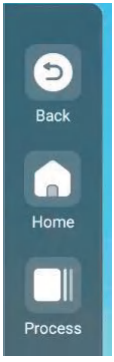
How to change wallpaper: Launcher-> edit home page-> change wallpaper-> switch or add your picture.

Launcher apps collection: Adjust the apps shown on the launcher.

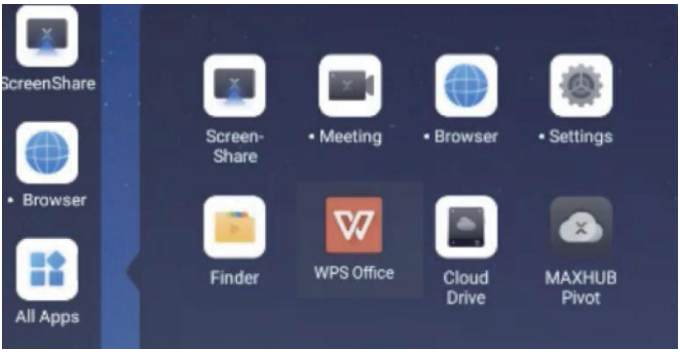
- **Sidebar**

Sidebar support the a path to switch between apps and homepage, also offers some useful meeting tools.

Home, back, process.

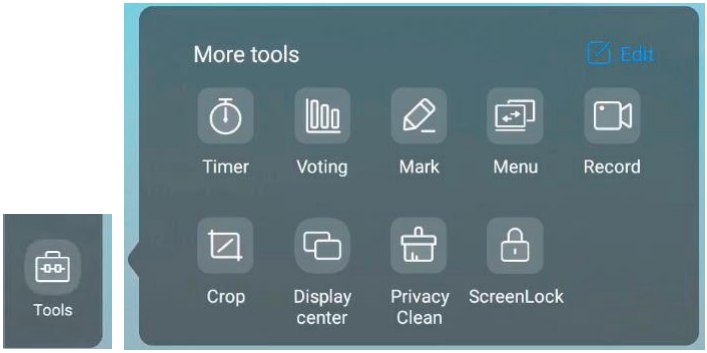


Screen sharing, browser, all apps.



*Subject to actual conditions, different divices are equipped with different features.

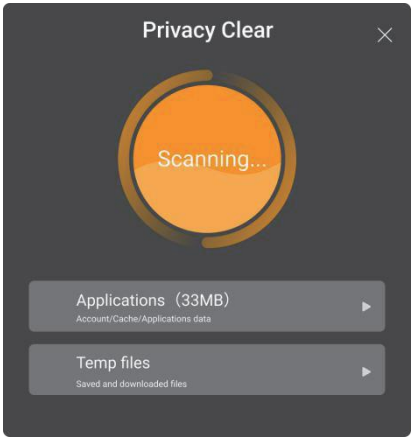
Tools



*Subject to actual conditions, different divices are equipped with different features.

- **Privacy cleanup**

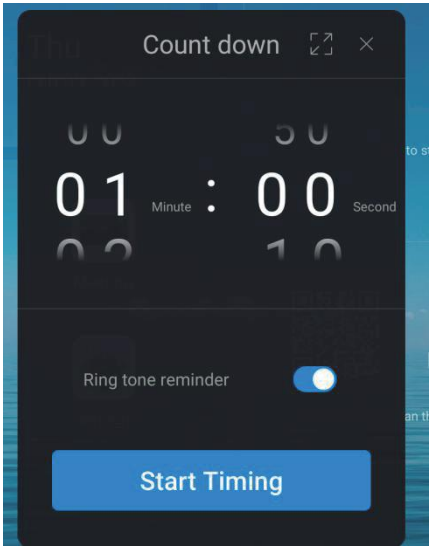
Clean meeting records, clear apps caches.



Allow IT admin to set auto cleaning and users manually clean device.

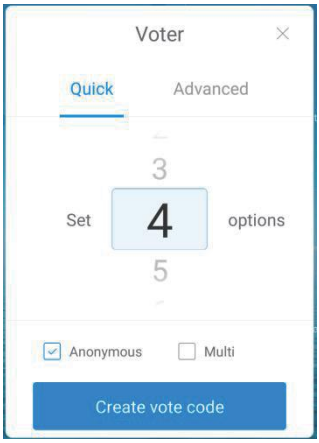
Timer

Count back minutes in meeting, improving the meeting efficiency.



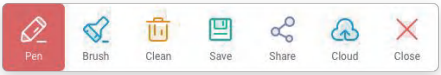
Voter

collecting meeting participants ideas, present in statistic results.



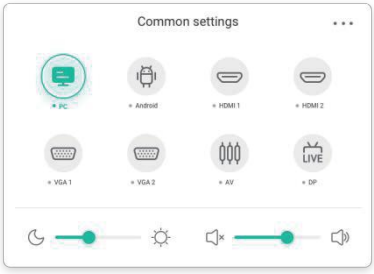
Crop

Capture the screen and save on device.



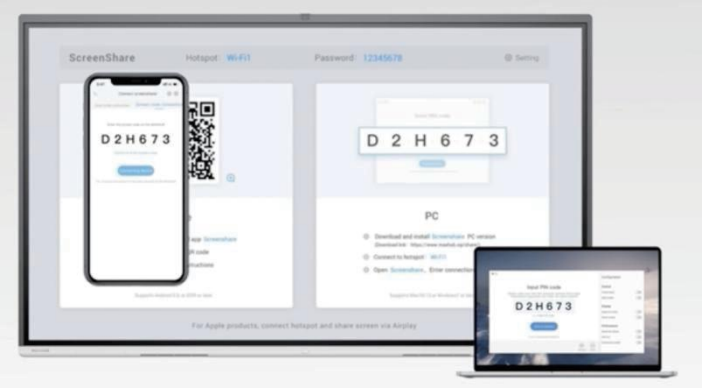
Channel Menu

Switch between different signal sources.

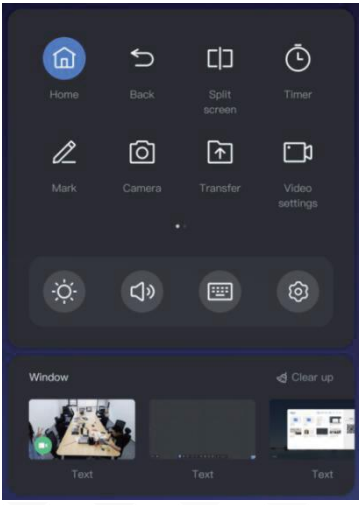


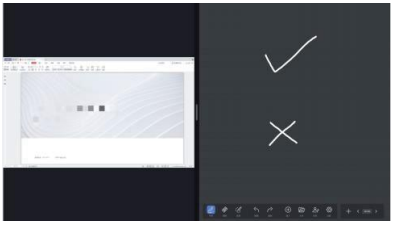
➢ MAXHUB Share

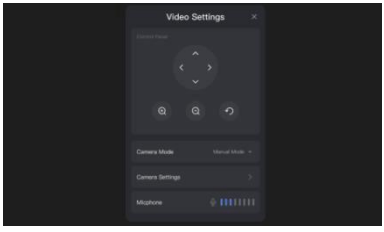
- The screen-share software, works seamlessly with the MAXHUB commercial display, while delivering the smoothest teamwork experience between people, devices, and content.
- Support to share up to 4 split-screens from 8 devices including mobile phone and PC.



➢ Sidebar





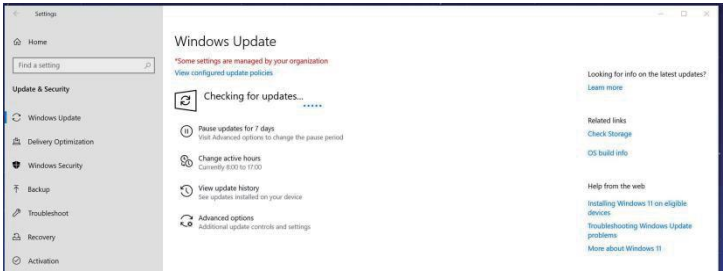


The sidebar provides a variety of meeting tools. You can adjust cameras and upload files from the side bar during a meeting, providing users with convenient meeting experience.

➢ Upgrade

● Windows Upgrade

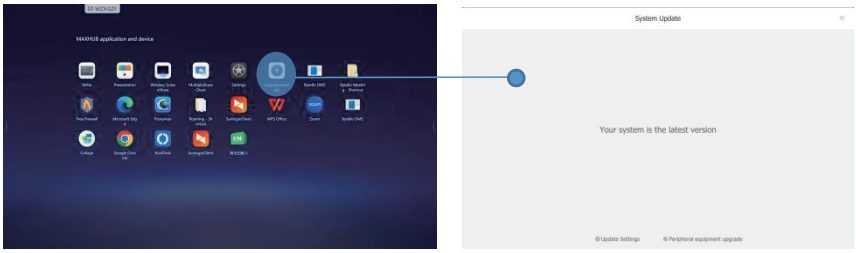
MAXHUB will not check and upgrade the Windows system, but users can open Switcher to accept the upgrades from Windows.



● MAXHUB OS Upgrade

Users will receive the upgrade notification at desktop:

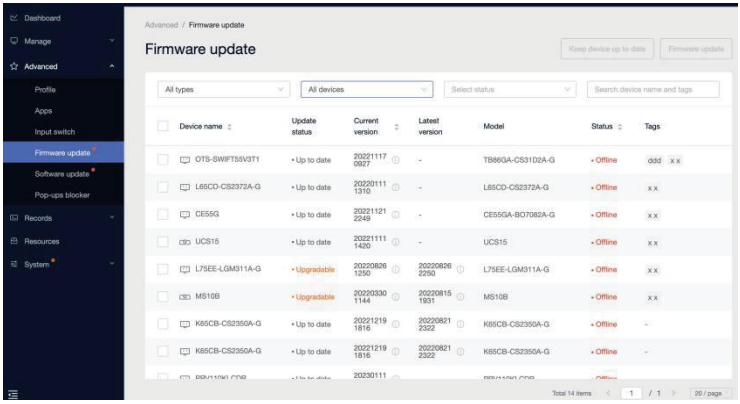
Users can visit the Upgrade assistant APP on the all apps, to manually check if any upgrades available and manually upgrade to the device.



- **Upgrade from Pivot**

Once a new firmware is released and detected by the device, the notification will show in Pivot-Advanced-Firmware update.

Click [Firmware update] to send out the command. The command will not expire.



- **Upgrade from USB disk**

Users can manually upgrade the MAXHUB OS by inserting a USB disk. Download the package onto USB disk and then install the package MAXHUB Commercial Display on default file path.

Simple Troubleshooting

➢ Automatic power off.

1) Verify if the sleep function is enabled and troubleshoot accordingly.

2) Check for signal on the channel where the input source is located. If there is no signal, the device will automatically enter energy saving mode and power off.

3) Ensure that the power supply is stable.

➢ The indicator is off.

1) Verify if the power supply is normal.

2) Check the status of the power switch on the tablet computer to ensure it is turned on.

➢ The indicator turns red, and booting is unavailable.

1) If the Commercial Display is unable to turn on when the button is pressed, disconnect all external wires and power off the device for 15 minutes before attempting to turn it on again.

➢ The pictures lack colors, or the color is abnormal.

1) Verify that the VGA/HDMI cable is properly connected.
2) Check the quality of the cable to ensure it is functioning properly.

➢ There are pictures but no sounds for the device.

1) Try adjusting the volume by using VOL +/-.
2) If the device is connected to an external computer, ensure that the audio cable is properly connected.
3) If the issue remains unresolved, please contact our professional after-sale maintenance team for assistance.

Maintenance

1) Regular maintenance can prevent early faults and regular cleaning can keep the machine in like-new condition.

2) Before cleaning or performing maintenance, please ensure to unplug the power cord to prevent electric shock.

➢ Clean Screen

1) Mix a small amount of fabric softener or dish soap with alcohol to create a cleaning solution.

2) Use a soft, lint-free cloth to apply the solution to the screen.

3) Gently wipe the screen with the dampened cloth, taking care not to press too hard. Be sure to wring out the cloth so that it is only slightly damp before wiping the screen.

4) Repeat the cleaning process several times, being mindful to prevent water infiltration into the device during wiping.

➢ Clean frames

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

➢ Extended period without use

In the event of extended non-use, it is recommended to unplug the device from its power source to prevent potential hazards arising from power fluctuations or lightning.

Statement

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HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

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