Manual for MT1001

Kandao Meeting Ultra

(Cover)

(QR code guide page)

Contents

I.   Description of Product

1.   Packing list

Kandao Meeting Ultra
Remote controller
Quick start guide
Warranty card
65-watt adapter
Lens cap
Power cord (3 m)
Data cable (1.5 m)

2.   Description of component

(figure same as Meeting S)

Lens, button, indicator lamp area, port area

3.   Description of button

Power button

Short press the button, and then the "Power off"/"Restart" option will show up in the pop-up window and the countdown will begin. Short press the button again to power off the device.

Volume + and volume - buttons

Adjust the volume

Mute/record button

Short press the button to mute the microphone

Long press the button for 3 s to start or stop recording local video (Micro SD card must inserted)

Mode button

Short press the button to switch picture mode

Long press the button for 3 s to lock the viewing angle

4.　Description of indicator lamp

The green lamp flashes: The system is turning on or upgrading

The green lamp is constantly on: Ready

The blue lamp is constantly on: Camera working

The blue lamp flashes: Recording

The red lamp is constantly on: Microphone mute

5.　Description of port

USB-C power supply: Power the device with power adapter and power cord

USB-A * 3: Connect a mouse or keyboard

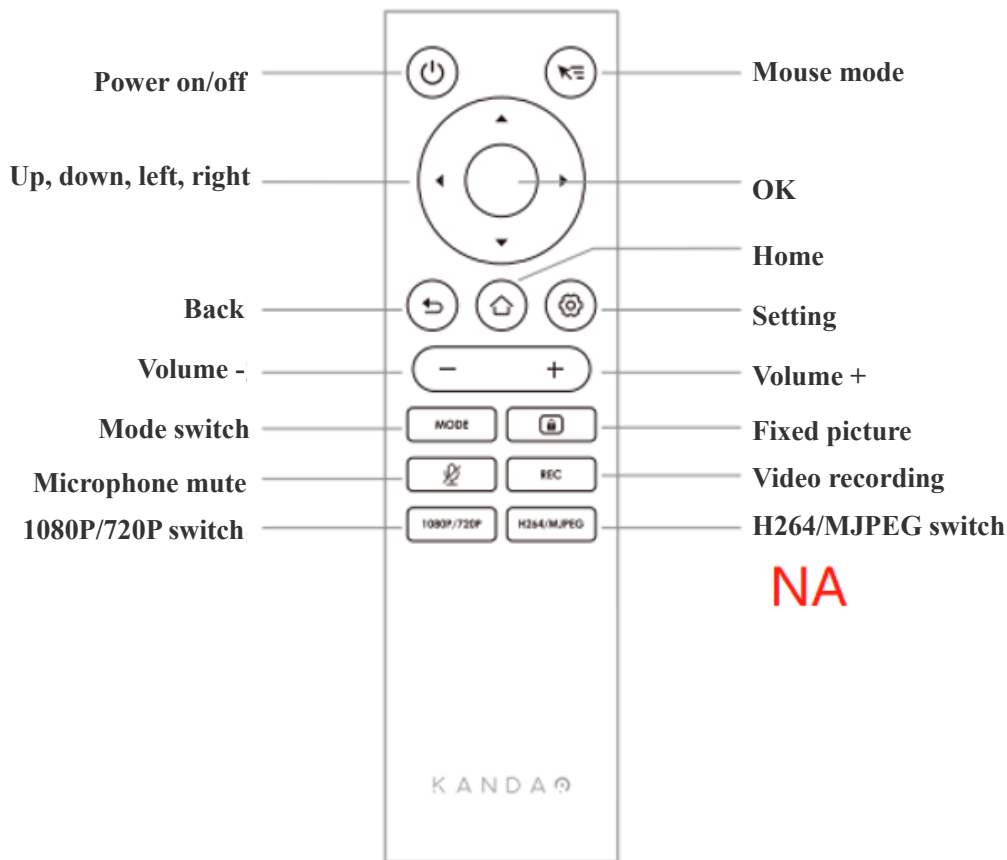**Micro SD card slot:** Micro SD card in FAT32 or exFat format is supported (up to 256 GB)

HDMI OUT * 2: Connect the monitor/TV to output images

HDMI IN: Connect the computer to input video or share the computer's screen

USB-C A/V output: Connect the computer to activate webcam, microphone, and speaker functions

Ethernet port: Connect the Ethernet for PoE

6. Description of remote controller

Power on/off	—	Mouse mode
Up, down, left, right	—	OK
		Home
Back	—	Setting
Volume -	—	Volume +
Mode switch	—	Fixed picture
Microphone mute	—	Video recording
1080P/720P switch	—	H264/MJPEG switch

NA

For more detailed instructions, please log in to the following website:

https://www.kandaovr.com

(To be replaced with the new remote controller's picture)

Notes

Power supply: 2 * AAA battery

When a user fails to control the system with the remote controller and pair the remote controller, the user may connect a mouse to the "USB-A" port, open "Settings" - "Bluetooth" - "Paired Devices" to delete the paired remote controller, and then long press the pairing button on the remote controller.

 Short press the mouse mode (cursor button icon) in the upper right corner of the remote controller, and then a small arrow cursor (small arrow icon) will appear on the screen. Move the remote controller and press the "OK" button to control.

When the mouse mode is on, the direction buttons and the "power" button on the remote controller will be disabled. The user should exit the mouse mode before using [Standby] and [Power off] functions.

II. Instructions for the Host Mode

1. Preparations

a) Use the power cord to connect the Meeting Ultra USB-C power port and the power adapter, or use the network cable to connect the Meeting Ultra Ethernet port and a PoE router or switch.

Notes

To project the screen onto the TV/monitor, use the HDMI cable to connect the Meeting Ultra HDMI OUT port and the TV/monitor (HDMI cable is not provided).

2. Power-on

Meeting Ultra will automatically turn on when connected to the power adapter.

3. Remote controller pairing

a) Long press the "OK" and "Volume -" buttons on the remote controller for about 5 s until the indicator lamp flashes.

b) When paired, the remote controller' indicator lamp will turn off.

Notes

After the first successful pairing, every time the user press any button on the remote controller, the remote controller will be automatically paired if the device is on.

4. Networking

Wired network: Connect the network cable to the device's Ethernet port, and then configure wired network information, such as DHCP, static IP, and network proxy, in "System Initial Boot" or "Settings".

Wireless network: Configure and connect the wireless network in "System Initial Boot" or "Settings", such as DHCP, static IP, network proxy, etc.

5. Start the conference

a) Download and install a video conference software (Tencent Meeting, DingTalk, Skype, Zoom, Google Meet, Teams, etc.) from the app store (icon)

b) Go to the home, open the video conference software, and start a remote conference.

6. Power-off

Short press the "power" button on the device or the remote controller (icon), and then the "Power off"/"Restart" option will show up in the pop-up window and the countdown will begin. Short press the "power" button or the "OK" button on the remote controller to power off the device.

7. Local video recording

Meeting Ultra will be used as a device to record local conference, and the recorded file will be saved to the Micro SD card.

a) Open the "Camera Tool" application.

b) Press the "Record" button on the screen, or short press the "Rec" button on the remote controller or long press the "Mute" button on the device for 3 s to start recording.

c) Repeat the same operation to stop video recording.

Notes

To record a web conference, the user may use the recording function provided by the conference software.

The user should exit the conference software before using the local recording function.

The user should insert a Micro SD card (in FAT32 or exFat format up to 256 GB) before using the recording function.

The user may only switch the resolution when the recording is stopped.

8. Send conference link

a) Enable the projection function in "Settings" - "Projection".

b) Kandao Meeting Ultra and the computer (Mac/Windows system) must be on the same LAN.

c) Enter the shared address in the computer's browser, enter the conference link in the webpage, and press "Enter" to quickly enter the conference.

Notes

When the "Link to Conference" function is enabled, the system will automatically stop the "IP-Address-Based Projection" function.

9. Local projection

IP-address-based projection

a) Enable the projection function in "Settings" - "Projection".

b) Kandao Meeting Ultra and the computer (Mac/Windows system) must be on the same LAN.

c) Enter the shared address in the computer's browser to activate wireless projection.

Notes

Audio sharing is not supported by IP-address-based projection.

Airplay

a) Enable the projection function in "Settings" - "Projection".

b) Kandao Meeting Ultra and Mac/iPad/iPhone must be on the same LAN.

c) Enable "Screen Mirroring" on Mac/iPad/iPhone and select Kandao Meeting Ultra.

Miracast

a) Enable the projection function in "Settings" - "Projection".

b) Kandao Meeting Ultra and the computer (Windows)/tablet (Android)/cellphone (Android) must be on the same LAN.

c) Projection methods for different platforms:

For the Windows system, press "Win" + "K", and select Kandao Meeting Ultra.

For the tablet (Android)/cellphone (Android), enable the wireless projection function, and select Kandao Meeting Ultra.

Notes

The wireless projection function may have different names on different mobile terminals. The user may call its mobile terminal manufacturer for more information.

10. Screen sharing during conference

Wireless projection

a) Enable the built-in screen sharing function of the conference software.

b) Select "Wireless Screen Projection" in the prompt window.

c) Enable the Airplay or Miracast projection function in the instructions for [Wireless Projection], and then the screen will be shared among the remote attendees.

Wired projection (to be added)

a) Enable the built-in screen sharing function of the conference software.

b) Select "HDMI IN Projection" in the prompt window.

d) Connect the computer to be shared and the device's HDMI IN port according to the prompt of "HDMI IN Projection", and then the screen will be shared among the remote attendees.

11. Camera setting

Open "Settings" - "Camera Settings" to adjust the camera settings, such as intelligent mode (global view, gallery view, speaker view), lock mode, 360° panoramic view, shielded area, and video (exposure value, video inversion, image, resolution, tracking sensitivity).

Intelligent mode

a) Global view: A 360-degree field will be displayed.

b) Gallery view:

Auto: The attendees will be evenly displayed with the speaker highlighted in a layout for one to eight persons.

1-8 Layout: The attendees will be evenly displayed with the speaker highlighted in a layout selected by the user.

c) Speaker view:

Auto: The speaker will be highlighted in a window layout for one to seven persons, with the remaining non-speaking attendees evenly displayed.

1-8 Layout: The speaker will be highlighted in a window layout selected by the user, with the remaining non-speaking attendees evenly displayed.

Lock mode

The user may control the window's angle and zoom with the remote controller or the touch screen.

a) Activation: In a video conference, short press the "Lock" button on the remote controller, and then the "Lock" icon will show up in the bottom left corner of the screen, so will a blue selection box.

b) Select a window: Press the left and right buttons on the remote controller to select a window, press the "OK" button to start adjusting, and then the selection box will be white.

c) Edit the angle:

      i. Edit the angle with the "Direction" buttons on the remote controller (icon) and zoom the picture with the "Volume +/-" buttons.

      ii. Press the "OK" button on the remote controller or other positions on the touch screen to finish adjusting.

Notes

The current mode will remain locked and remember the viewing angle until the next manual unlocking.

In the "Lock" mode, screen control by the mouse will be disabled.

To lock or drag the viewing angle with the touch screen, the user should turn off the camera in the conference software, and then open "Settings" - "Camera Settings".

360-degree panorama

When it is on, a 360-degree panoramic view will appear at the top of the screen.

Shielded area

When it is on, a "shielded area (icon)" will appear in the bottom left corner of the screen and the system will cease displaying the picture of the shielded area in the small window. The shielded area will also be marked with shades in the 360-degree panoramic window. This function is suitable for blocking screens, external speakers, or doorways with pedestrians passing by.

Video

a) Exposure value: Adjust the exposure value to adapt to different levels of brightness. Press the "Settings" button on the remote controller to adjust the exposure value in a video conference.

b) Inversion: When it is on, the screen will be inverted. It is suitable for the scenario where a device is installed upside down.

c) Mirror image: When it is on, the screen will be mirrored left and right. It is suitable for the conference software with a mirror function.

d) Resolution: Switch the resolution.

e) Tracking sensitivity: Adjust the speed of intelligent tracking and switching of the screen in the "Intelligent mode".

Notes

Some of the camera's parameters will be synchronized to the "USB mode" once set. See "III. Instructions for the USB Mode" for more information.

12. Screen extension

When it is on, different pictures from the same source may be displayed on multiple screens. If the HDMI OUT port of the device is connected to one or two monitors, the system will pop up a selection window every time the application is opened to ask the user which monitor does the user want to display the application on.

13. System upgrade

After networking the device and enabling its automatic detection, when a new firmware is detected, the system will ask the user whether to upgrade the system and the user may choose to upgrade in idle time. The user may also open "Settings" - "System Upgrade" and choose to automatically download and update firmware when idle.

14. Setup menu

a) Storage: View the storage space and the stored files

b) Network: Configure the Wi Fi and the Ethernet, including DHCP, static IP, network proxy, etc.

c) Bluetooth: Turn the Bluetooth on or off, and pair Bluetooth devices

d) Projection: Enable or disable the wireless projection function, and view the instructions for projection

e) Language: Set the system's language

f) Keyboard: Set the type of external keyboard

g) Time zone: Set the system's time zone

h) Firmware upgrade: Upgrade the firmware

i) My device: View the device's information

j) Volume: Adjust the volume of microphone and speaker

k) Camera setting: Set the intelligent mode, lock mode, 360-degree panorama, shielded area, inversion mode, exposure compensation, image mode, resolution, tracking sensitivity, etc.

l) Screen extension: Enable or disable the screen extension function

m) Regulation: View the certification

n) Reset: Reset account information and restore factory settings

III. Instructions for the USB Mode

1. Preparations

a) Use the power cord to connect the USB-C power port and the power adapter.

b) Use the data cable to connect the USB-C A/V output port of the device and the computer.

Notes

Both the power port and the A/V output port are compatible with USB-C. Misconnection will result in the device's startup failure or malfunction.

2. Power-on

Meeting Ultra will automatically turn on when connected to the power adapter.

Notes

In the USB mode, the device's built-in screen will automatically open the camera settings and enter the control mode. To exit, please disconnect the USB.

3. Remote controller pairing

a) Long press the "OK" and "Volume -" buttons on the remote controller for about 5 s until the indicator lamp flashes.

b) When paired, the indicator lamp will turn off.

Notes

After the first successful pairing, every time the user press any button on the remote controller, the remote controller will be automatically paired if the device is on.

4. Start the conference

a) Open a video conference software (Tencent Meeting, DingTalk, Skype, Zoom, Google Meet, Teams, etc.) to start the video conference.

b) Select Kandao Meeting Ultra as the microphone/speaker/camera device for the conference, and then the blue lamp will light up, indicating that the device is working.

Notes

The "USB mode" is plug-and-play. No additional software or driver is required.

When the screen is abnormal (such as stretching, blank screen, etc.), the user may long press the "Resolution Switch" button on the remote controller for 5 s or press the "Resolution Switch" button in the camera settings of the device, so that the device will switch the USB output resolution.

In the USB mode, the user may enable H.264 encoding in "Settings" - "Video" - "Encoding Format".

5. Sleep

Short press the "Power" button on the device or remote controller (icon) to enable the sleep mode, and short press again the button again to wake up the device.

6. Power-off

The camera keeps working in the USB mode. To turn it off, the user may disconnect the computer and the device, and then press the "Power" button on the device or the remote controller.

IV. Description of Conference Mode and Resolution

Conference mode

The system will remember the parameters set by the user in the host mode or the USB mode of intelligent

mode, lock mode, 360-degree panorama, shielded area, and video settings, and apply them to all conferences.

Resolution

a) Host mode: The device provides 4K, 1080p, 720p resolution options for the conference app. The app will select from the resolutions provided by the device as appropriate in view of the network quality and the membership permissions. Some conference apps must be set manually.

b) Local recording: The user may select 4K or 1080p before recording.

c) USB mode: The output resolution is 1080p by default. The user may switch to 4K or 720p in the settings.

d) Preview: The preview resolution is fixed at 1080p.

V.   Product Specification

Primary device	Length	366 mm
	Width	156.6 mm when the screen is folded and 429 mm when the screen is unfolded
	Height	327 mm
	Weight	4,190 g (approx.)
Remote controller	Height	160 mm
	Width	42 mm
	Thickness	21 mm
Compatibility	Compatible system	Windows 7 or above, or MacOS 10.8 or above
	Compatible platform	Teams, Zoom, Tencent Meeting, Google Meet, GotoMeeting, Skype, BlueJeans, Nail, Slack, ViLin, Polycom, StarLeaf, CloudLink, Wochang Cloud Meeting, Cisco Webex, Tianyi Cloud Meeting, etc.
Screen	Dimension	15.6-inch LCD screen
	Quantity	2
	Touch control	Capacitive 10-point touch (dual sided)
	Display resolution	1920*1080@60Hz
	Anti-glare, anti-fingerprint	Supported
Camera	Resolution @ Frame Rate	3840*2160@30fs/1920*1080@30fps/1280*720@30fps
	Editing format	MGPEG/H264
Microphone	Quantity	8 * omnidirectional beamforming microphones
	Pickup range	5.5 m
	Sensitivity	-38Db+/-1db@1KHz
	AEC (echo	Supported

		cancellation)
	Vocal booster	Supported
	deClick	Supported
Speaker	Power	10W
Port	USB C	USB Type C Out * 1: USB 3.1 for connecting computer and transmitting audio and video (USB camera mode)
		USB Type C In * 1: Power port for connecting power supply
	Ethernet	Ethernet port (RJ45) * 1: Gigabit Ethernet port for wired network transmission and PoE power supply
	USB A	USB A port * 3 for connecting mouse, keyboard and other external devices
	HDMI	HDMI OUT * 2: HDMI2.1 used to output the screen to the monitor/TV;
		HDMI IN * 1: HDMI2.0 used to input videos and share the screen of the other computer;
	Wi-Fi	2.4G+5G，Wi-Fi 6
	Bluetooth	Bluetooth 5.0
	Lock hole	Supported
	Screw hole	1/4 inches
Storage	Built-in storage	64G
	Micro SD card	Micro SD card in FAT32 or exFat format is supported (up to 1 TGB)
Power supply	Power adapter	Input: AC100-240V 50/60Hz 0.45A Max Output: DC 15V 3A
	PoE	IEEE802.3bt is supported; 44-58V 1A

* Log in to the following website for any update of this document:

https://www.kandaovr.com/user-guide **(to be updated)**

*Contact Technology Support via Email:

    service@kandaovr.com