

MuxMeet Videobar Dongle

User Manual

500883



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1. Safety Precautions

To ensure the best performance from the product, please read all instructions carefully before using the device. Save this manual for future reference.

- Follow basic safety precautions to reduce the risk of fire, electrical shock, and injury.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burns.
- Do not open or remove the housing of the device as you may be exposed to dangerous voltage or other hazards.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture and do not install this product near water. Keep the product away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on the housing, unplug the module immediately.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Using supplies or parts not meeting the product specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- Install the device in a place with adequate ventilation to avoid damage caused by overheating.
- Unplug the power when left unused for a long period of time.
- Information on disposal of devices: do not burn or mix with general household waste, please treat them as normal electrical waste.

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2. Introduction

The MuxMeet Videobar Dongle (model: 500883) is designed for business conference screen-sharing scenarios, allowing you to quickly share presentation content. The computer video and audio resources can be sent to the MuxMeet BYOM Videobar which can be output to the television or other display device. It also supports the BYOM to transfer the MuxMeet BYOM Videobar Video and Audio sources from the Videobar to the computer using USB. The operation is plug and play, no driver or software installation is required. Equipped with one-touch sharing and mute buttons for easy operation.

3. Features

- Supports USB-A and USB-C Connectivity
- Share and Mute buttons
- No power supply needed
- Quickly share presentation
- Supports high resolution 4K30 screen sharing

4. Package Contents

- One (1) MuxMeet Videobar Dongle
- One (1) User manual (available via download)

5. Specifications

Audio and Video Characteristics

Environment	Custom audio-video systems in a structured cabling environment.
Application	Head-end installations, conference room, BYOM applications.
Compatible product	Muxlab 500822
USB-C Video Resolution	3840x2160, 2560x1600, 1920x1200, 1920x1080, 1366x768, 1280x800, 1280x720, 1024x768
Screen Sharing	Up to 3840x2160, 30fps
Video Encoding Format	H.265/H.264
Audio Encoding Format	32KHz/16bit PCM, Mono/Stereo
Return Encoding	Up to 1920x1080, 30fps
Return Video Encoding	MJPEG
Return Audio Encoding	32KHz/16bit PCM, Mono/Stereo

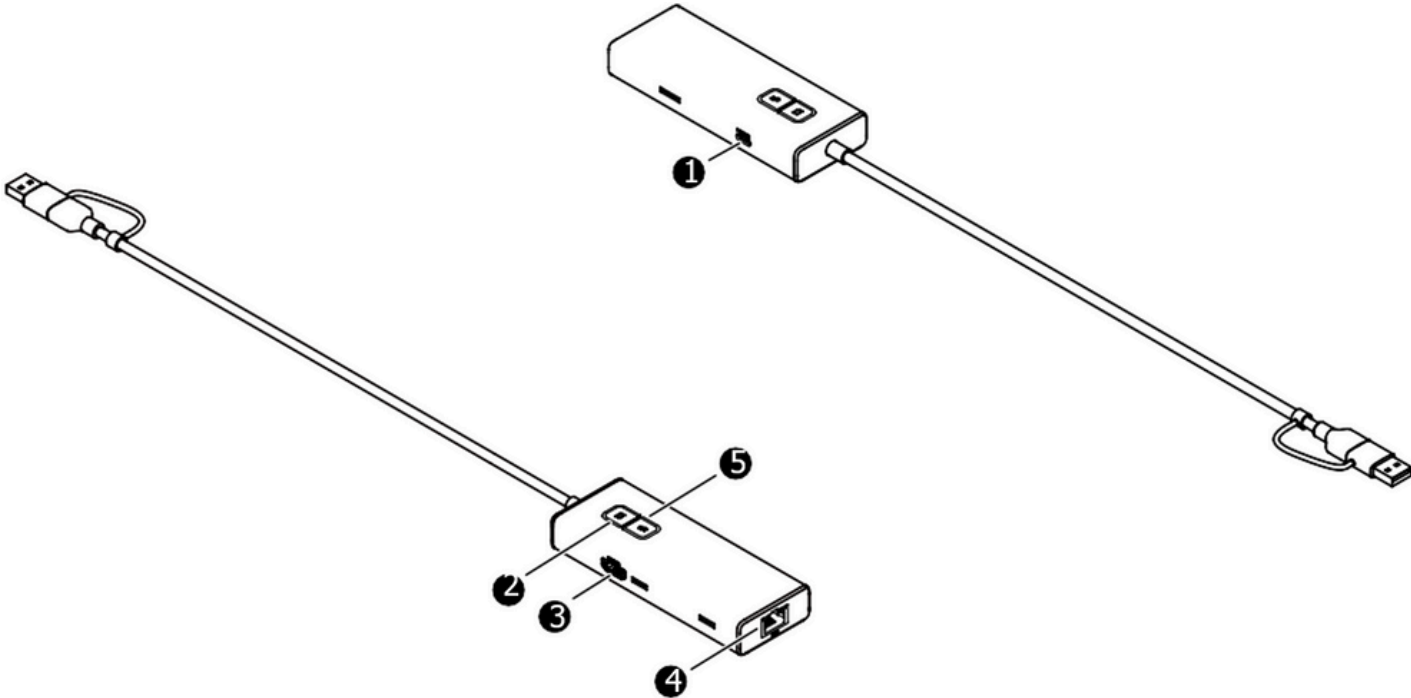
Control

USB Control Protocol	UVC/UAC
Sharing Button	Turn on/off screen sharing, dual-color status indicator
Mute Button	Control the local mute, dual-color status indicator
USB-C Interface (Power)	USB-C female support USB PD3.0 Protocol, input voltage up to 20V/3.25A
USB-C Interface	USB-C female support DP Input, USB Audio/Video Output, control signaling transmission and PD Reverse Power supply up to 65W (External power adapter Required)
Ethernet	RJ45, supports 10M/100M/1000Mbps, supports PoE Power
HDMI	HDMI 2.0 female socket, supports 4K30 video input

General

Input Voltage	USB 5V / PoE (IEEE802.3af)
Input Current	0.6A
Power Consumption	3.0W Maximum
Temperature	Operating: 0° to 40°C Storage: -40° to 60°C Humidity: Up to 90% non-condensing
Dimensions	120 mm x 18 mm x 45 mm (Excluding wire length)
Weight	114 g
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	2 Years
Order Information	500883 Muxmeet Videobar Dongle (UPC: 627699008836)

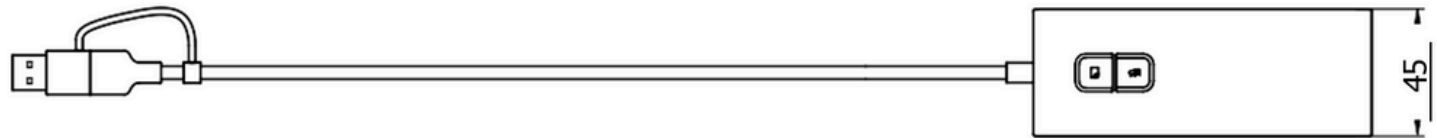
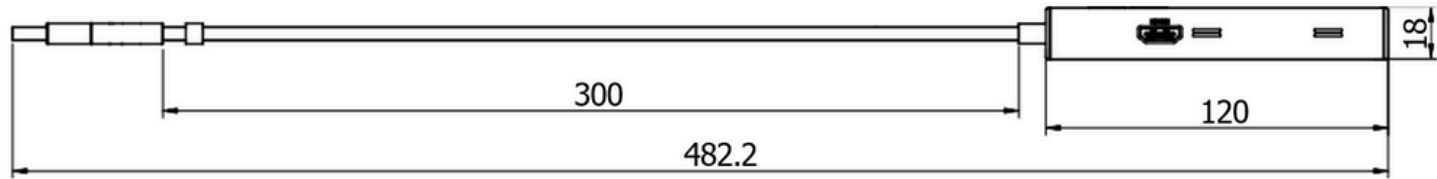
6. Appearance



#	Description
1	Power Port
2	Sharing Button
3	HDMI IN Port
4	LAN Port
5	Mute Button

7. Dimension

Unit: mm

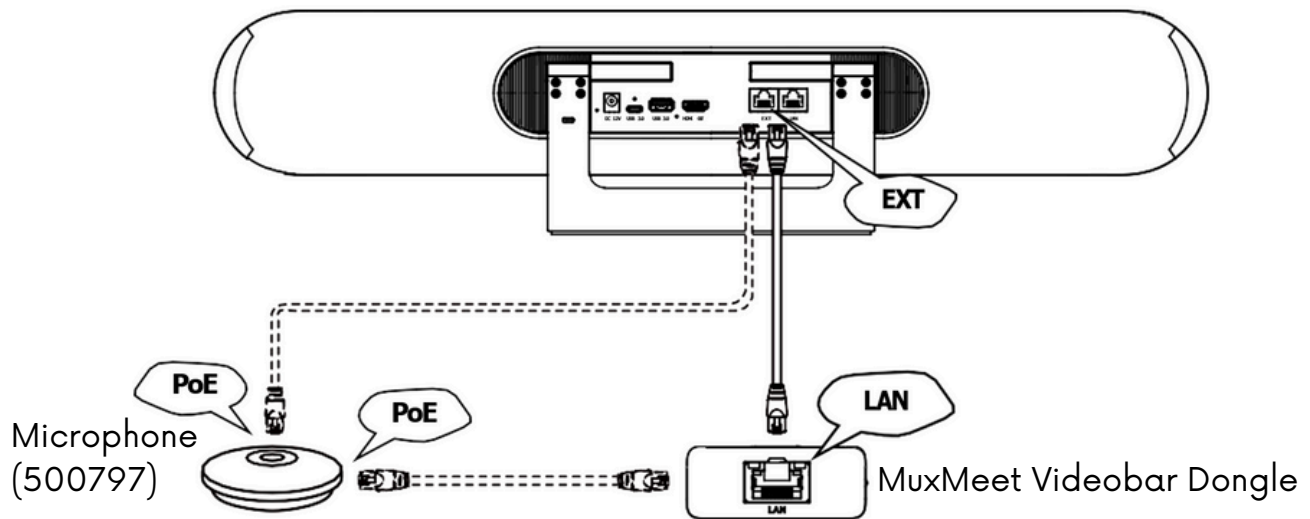


8. Indicator

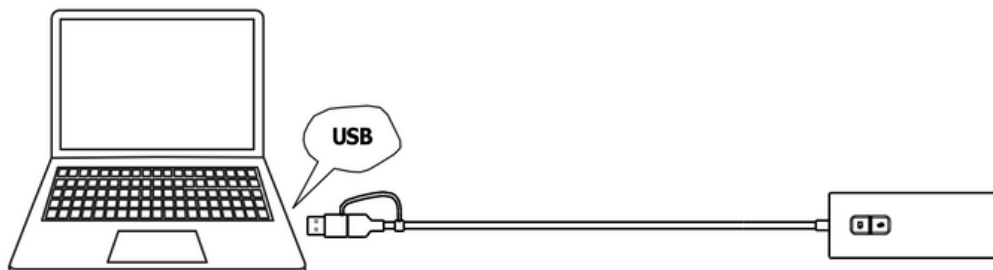
Button	Indicator	Status
Sharing Button	Solid Purple Indicator	Powering up
	Blue Flashing Indicator	Pairing
	Solid Red Indicator	Pairing successful and input source detected
	Solid Blue Indicator	Screen Sharing
	Purple Flashing Indicator	No input source detected after pairing, or DP & HDMI detection failed
Mute Button	Solid Purple Indicator	Powering up
	Solid Blue Indicator	Non-mute mode, can pick up sound normally
	Solid Red Indicator	Mute

9. Power Configuration

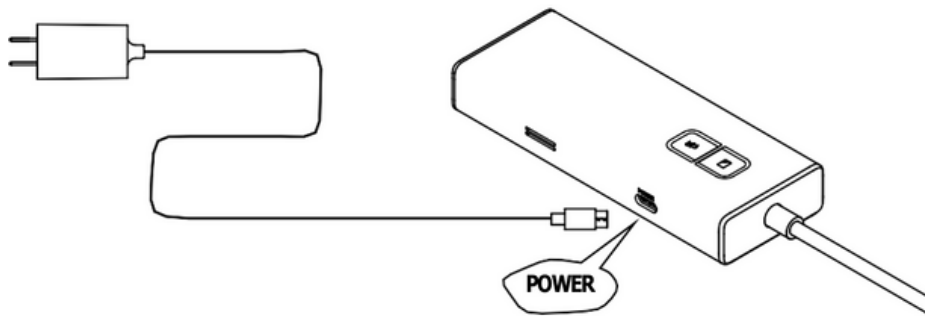
Connect one end of the network cable to the LAN port of the MuxMeet Videobar Dongle and the other end to the EXT port of the MuxMeet BYOM Videobar (500822), or the cascade PoE port of the MuxMeet Omnidirectional Ceiling Microphone (500797).



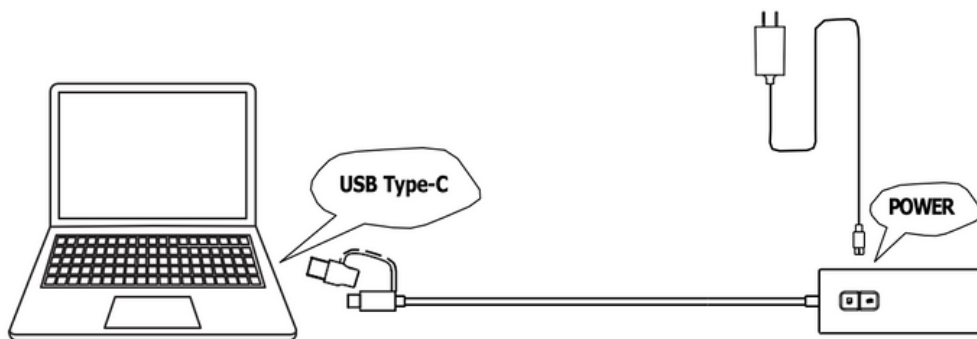
USB Power Supply: Connect the USB-C (DP-IN) cable of the dongle to the USB port of the PC.



PD Adapter Power Supply: Connect the PD adapter (PD adapter is not included) to the POWER port of the WiredPod.



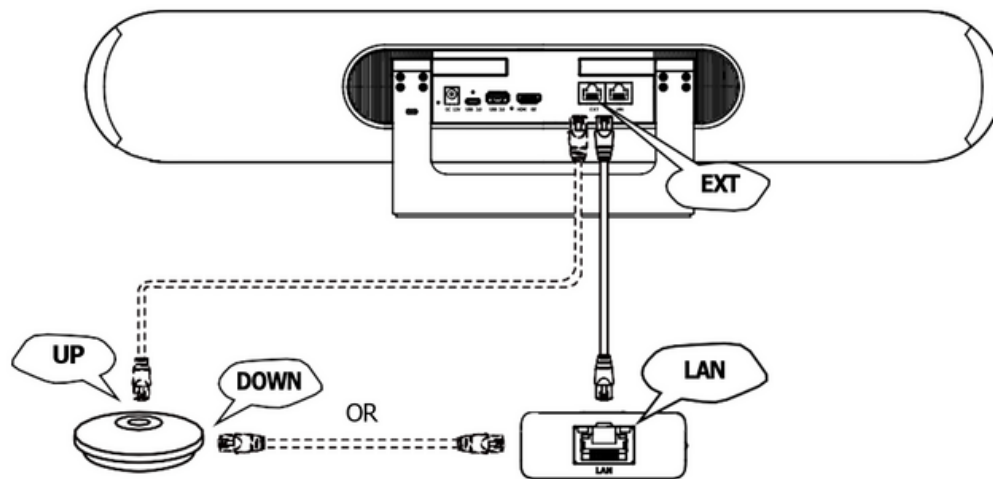
PD Reverse Power Supply: The MuxMeet Videobar Dongle supports reverse charging for the PC. When using this function, a 65W PD adapter (PD adapter is not included) needs to be connected to the POWER port of the MuxMeet Videobar Dongle, and the USB-C (DP IN) cable of the MuxMeet Videobar Dongle should be connected to the USB Type-C power port of the PC.



10. Connecting the Dongle

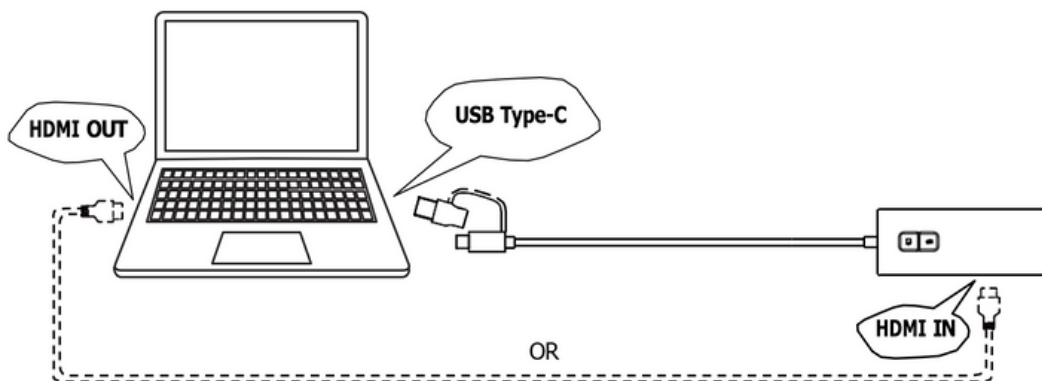
Connect to Host

- Connect one end of the network cable to the LAN port of the MuxMeet Videobar Dongle and the other end to the EXT port of the MuxMeet BYOM Videobar (500822);
- Or, connect one end of a network cable to the UP port of the MuxMeet Omnidirectional Ceiling Microphone (500797) and the other end to the EXT port of the MuxMeet BYOM Videobar (500822); Connect one end of another network cable to the DOWN port of the MuxMeet Omnidirectional Ceiling Microphone (500797) and the other end to the LAN port of the MuxMeet Videobar Dongle.



Connect to PC

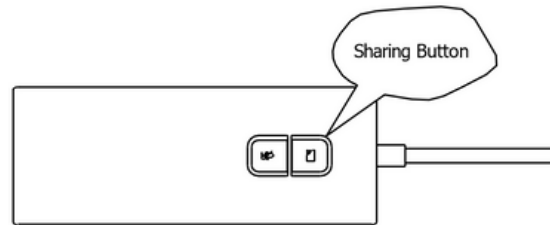
- Connect the USB-C (DP-IN) cable of the MuxMeet Videobar Dongle to the USB Type-C port (support DP Alt Mode) on the PC;
- Or, connect the USB-C/USB-A cable of the MuxMeet Videobar Dongle to the USB Type-C port (not support DP Alt Mode) or USB Type-A port on the PC, and connect one end of the HDMI cable to the HDMI IN port of the MuxMeet Videobar Dongle and the other end to the HDMI OUT port on the PC.



Screen Sharing

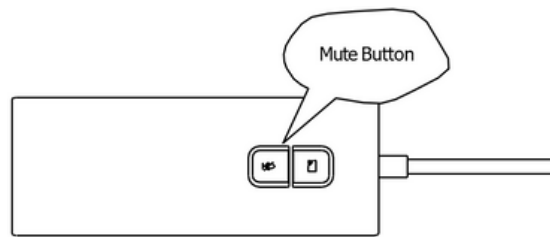
When the connections are complete and the devices are powered on, the MuxMeet Videobar Dongle will automatically search for and pair with the Host (indicated by a blue flashing indicator). When pairing is successful and an input source is detected, the sharing button will light solid red.

Press the sharing button to start screen-sharing, the sharing indicator will light with solid blue. Press the sharing button again to stop screen-sharing, the sharing indicator will switch to red.



Audio Sharing

When sharing the audio, all system audio from the PC will be transmitted. Press the mute button of MuxMeet Videobar Dongle will mute the local sound.



11. Application Scenario

