

# iSpeaker M260

USB Speakerphone w/ USB Hub

*User Manual V1.0*



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## 1.0 Introduction

### 1.1 Overview

The iSpeaker M260 is a smart docking speakerphone with USB-C port. It is ideal for home office and office work. With a 360-degree 4pcs Omni-directional microphone built in, it can pick up voice from far-field. Advanced audio DSP algorithm including automatic echo cancellation, noise reduction and speech enhancement can reduce background noise and echo.

Built-in USB Type-C docking integration, it can be connected to external USB devices including USB camera, USB flash, keyboard & mouse, PC monitor or power adapter to achieve multifunctional connection with laptops. It also supports plug and play, and compatible with all leading UC platforms.

### 1.2 Features

- Highly sensitive speakerphone with loud and clear voice.
- With 4 Microphones built-in, it supports 360-degree clear and rich audio picking up within 3 - 5m.
- Audio DSP algorithm, enhance human voice and optimize the experience in conference.
- Supports HDMI or USB-C 4K@60Hz UHD video output.
- Supports 85W reverse charging, users don't need to worry about the power of the laptop.
- Dual USB 3.2 10Gbps ports, which can used to be connected to 4K USB camera and solid-state disk.
- Plug-and-play, with no driver installation required.

## 1.3 Package Contents

- 1 x Speakerphone
- 1 x 0.7m USB type-C to type-C cable

## 1.4 Specifications

Video & USB	
Input Port	1x USB- C (Laptop)
Input Signal Type	USB-C multifunctional port with display, data, and power delivery. <ul style="list-style-type: none"> <li>• Data: USB 3.2 Gen 2, up to 10Gbps.</li> <li>• Video: DP alt mode, up to 4K@60Hz.</li> <li>• Power:               <ul style="list-style-type: none"> <li>Forward: power from the laptop, 5V/3A recommended.</li> <li>Reverse (PD): PD 2.0, charging HOST device, 85W maximum.</li> </ul> </li> </ul>
Output Signal Type	1x HDMI out: HDMI 2.0, up to 4K@60Hz. 2x USB-A: USB 3.2 Gen 2 type-A, up to 10Gbps. 1x USB-C multifunctional port: <ul style="list-style-type: none"> <li>• Power: Power in, up to 130W.</li> <li>• Data: USB 3.2 Gen 2, up to 10Gbps.</li> <li>• Video out: DP alt mode, up to 4K@60Hz.</li> </ul>
Button	Touch control, Volume up/down, Mute/Unmute

<b>Speaker</b>	
Speaker Type	Electrodynamic Speaker with Neodymium Magnet
Speaker Frequency Range	200Hz-20kHz
Speaker Rated Power	2W

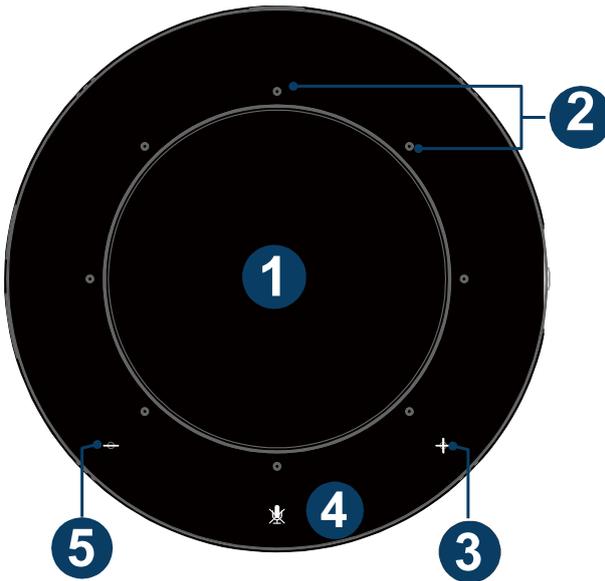
<b>Microphone</b>	
Microphone Coverage	360 degrees, omni-directional
Microphone Quantity	x4
Microphone Frequency	100Hz – 10kHz
Digital Signal Processing	Built-in echo cancellation and noise reduction

<b>Others</b>	
Operating Temperature	0 to + 40°C (32 to + 104 °F)
Storage Temperature	-20 to +70°C (-4 to + 158 °F)
Humidity	10% to 90%, non-condensing
Power Supply	Powered by laptop: 5V 3A Powered by power adapter or USB-C PD display: 60W or above
Product Dimension (φ x H)	128.07mm x 37.3mm /5.04" x 1.47"

### Others

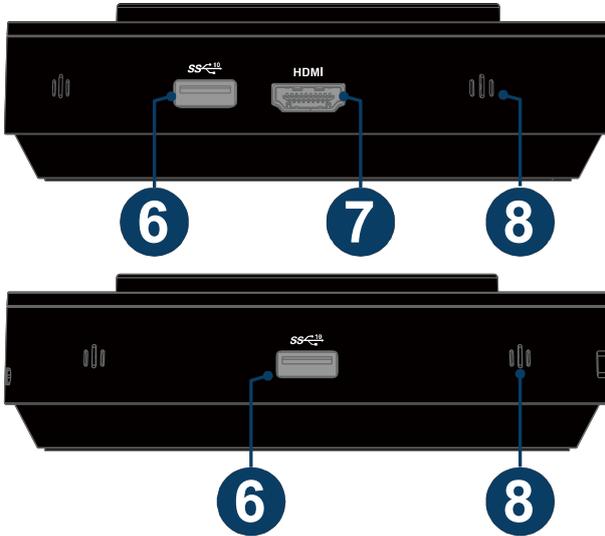
Product Weight	0.28kg/0.62lb
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## 1.5 Panel Description

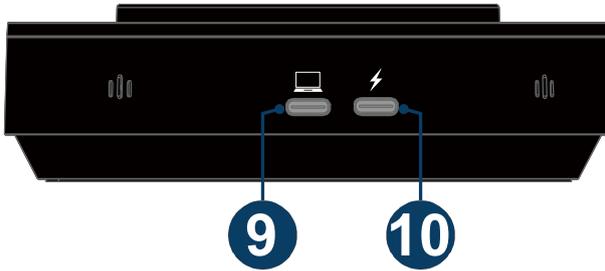


No.	Name	Description
1	Speakerphone	Output the audio from the connected laptop.
2	LEDs	Show the mute and unmute status and volume up and down status. (See “LED Indicators Status” part)
3	Volume +	Increase the volume.
4	Mute	Click to mute/unmute the mic input.

No.	Name	Description
5	Volume -	Decrease the volume.

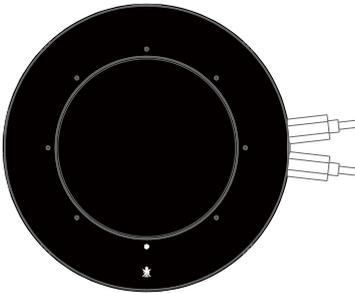


No.	Name	Description
6	USB-A	Connect to USB devices such as camera, hard disk, keyboard & mouse.
7	HDMI	HDMI 2.0 port. Connect to an HDMI display.
8	Mic In	Mic input.

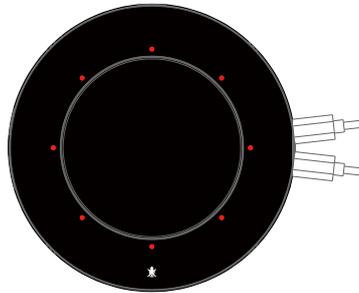


No.	Name	Description
9	USB-C (Laptop)	Connect to a laptop.
10	USB-C (Power)	Connect to a power adapter or a display (with PD function).

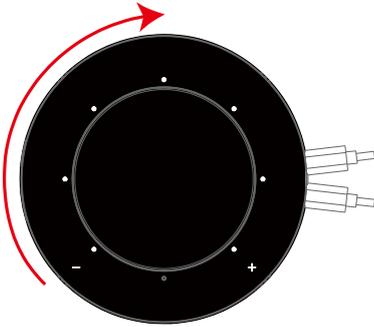
### 1.5.1 LED Indicators Status



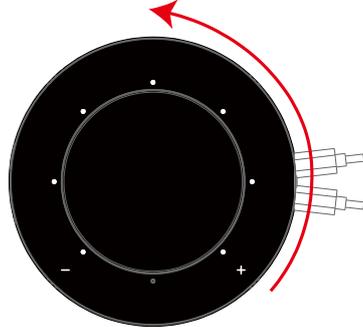
Unmute



Mute



Volume +



Volume -

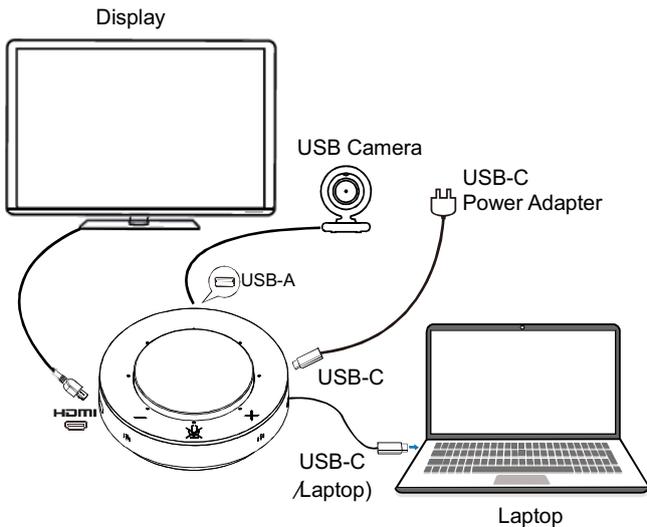
## 2.0 Applications and Wiring

The device supports two applications to extent multifunctional connection with laptop.

**Note:** After the speakerphone is connected to a laptop, its speaker and mic can be detected by laptop's system and specific application in the name of the following:

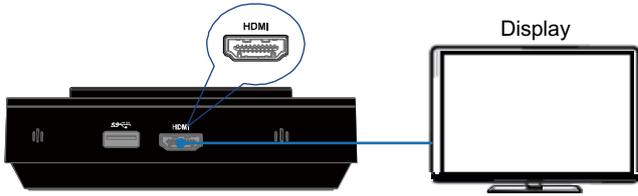
- **Speaker Name:** iSpeaker M260
- **Mic Name:** iSpeaker M260

### Application 1: With Power Delivery Via USB-C Power Adapter

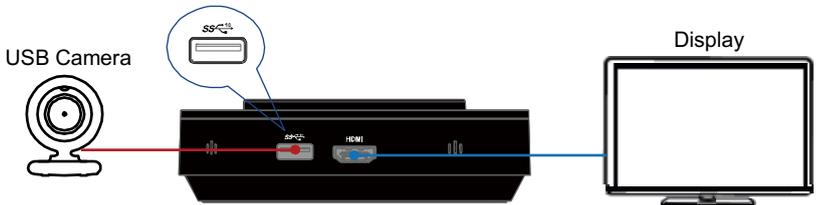


#### Wiring Steps for Application 1:

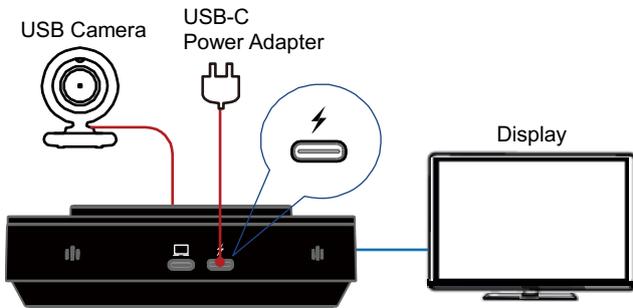
1. Connect HDMI port of the device to an HDMI display.



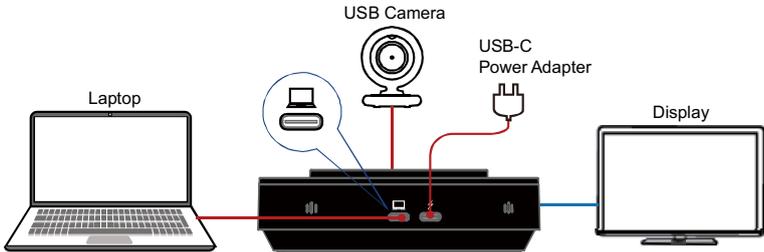
2. Connect USB devices such as USB camera to USB-A ports.



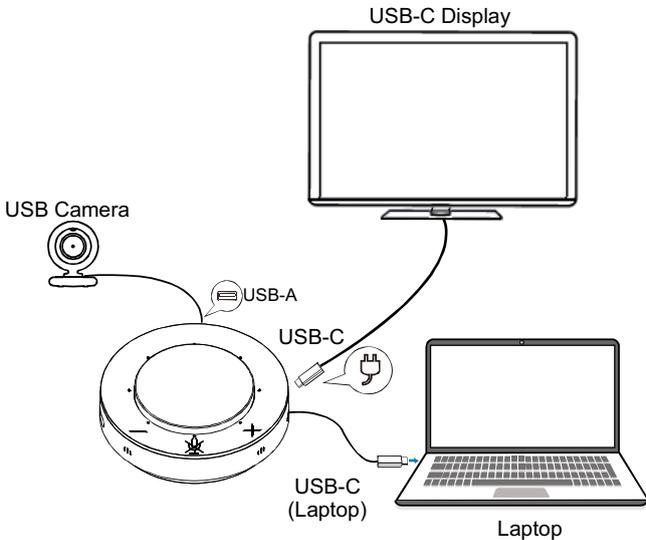
3. Connect USB-C (Power) to a power adapter for power supply.



4. Connect USB-C (Laptop) to a laptop.

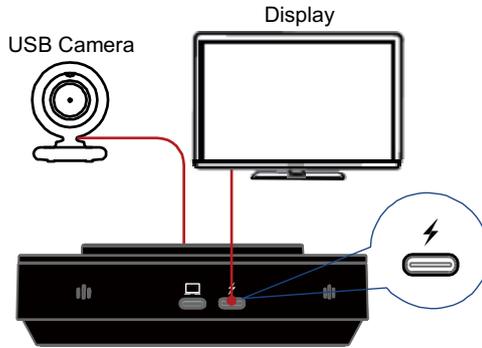


## Application 2: With Power Delivery Via USB-C Display



### Wiring Steps for Application 2:

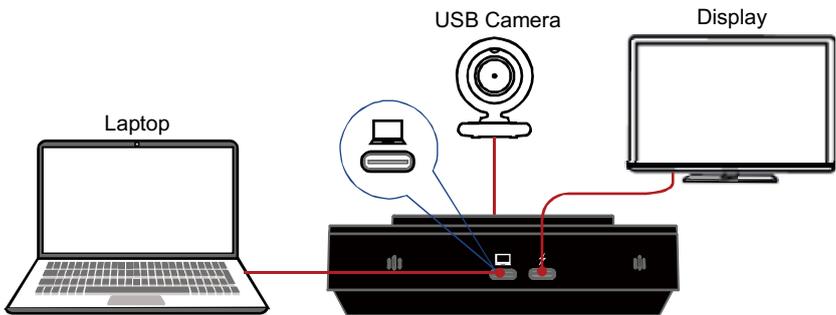
1. Connect USB devices such as a camera to USB-A ports (same as step 2 of Application 1).
2. Connect USB-C (Power) port to an USB-C display (with PD function).



**Note:**

- The display can supply power for the device.
- The USB-C (Power) port also supports data transmission, and users can extend other peripheral devices through the connected USB-C display.

3. Connect USB-C (Laptop) to a laptop.



## 3.0 Power Requirements

The device can be powered via the following two ways:

1. Powered by the Laptop (through USB type-C (Laptop), 5V/3A recommended).

In this case, the device is not connected to any external power supply, the USB 3.0 Type-A ports of the device can only provide 300mA current, which is used to connect low-power USB devices such as mouse and keyboard.

2. Powered by attaching the A/C power adapter (USB type-C) or a USB type-C monitor with PD function.

When users attach the A/C power adapter or USB-C PD monitor to the device, it will reserve 15w of power itself.

### Example:

USB type-C port ( Laptop )	USB type-C port ( Power adaptor )	Power to laptop (charging)	Two USB 3.0 type-A port (Shared)
5V/3A	-	No	300mA
Any	45W	30W	1500mA
Any	65W	50W	1500mA
Any	75W	60W	1500mA
Any	90W	75W	1500mA
Any	100W	85W	1500mA

### Note:

- We recommend using a power adapter above 75W as the charging power of most laptops on the market currently is 60W.

- When the device is connected to an A/C adapter or a USB-C display with PD function, it can be seen as a powered USB hub to power external USB devices such as USB hard drives. Without the A/C power adapter connected, the USB ports of the device can only be used to power low-power USB devices such as keyboard and mouse.

## 4.0 Cable Requirements

A 0.7m USB type-C to type-C cable is provided in the package. If you want to change another cable, please following the specifications in the table below:

<b>Item</b>	<b>Requirements</b>
Data	USB 3.2 Gen 2x1 or 2x2 and above 10Gbp/s per lane or above
Video	2-lane 4K@60Hz
Power	100W, 20V/5A
E-mark	Built-in E-mark IC

INFOBIT AV