

## D7703

### Omnidirectional Microphone



#### Description

The device is a professional-grade USB high-definition audio system that supports 2.4G wireless connectivity, enabling easy and enjoyable remote communication anytime, anywhere. It is specifically designed for medium and large conference rooms. Equipped with a brand-new network conferencing system, it offers powerful functionality while being extremely easy to operate. Crafted with an aluminum alloy panel and body, it features exquisite craftsmanship with a refined and elegant design. Its vibrant color display screen provides a wealth of status information, ensuring clear and intuitive visibility, offering an exceptionally user-friendly experience.

The audio system features an array of 12 high-sensitivity microphones utilizing advanced beamforming technology, ensuring heightened sensitivity and ultra-narrow directivity for mid- to short-range sound. This enables the device to capture audio with radio broadcast-level clarity and richness, even maintaining exceptional intelligibility over extended distances. Additionally, the device incorporates meticulously designed digital sound units, delivering powerful, transparent, and immersive speaker output. For communication, the system employs a 48K digital bandwidth, with full-duplex, advanced echo cancellation, dynamic noise reduction, intelligent microphone mixing, and long-range automatic gain control — cutting-edge international technologies that provide participants with a seamless, immersive experience as if the sound were right in front of them. The device utilizes advanced international intelligent noise reduction technology, completely eliminating background noise and delivering high-fidelity voice reproduction. It features 12 high-definition microphone arrays with an optimal pickup range of 8 meters. When paired with optional expansion microphones, the conversation area can be extended from 8 meters to 10 meters, ensuring clear two-way communication even with a larger number of participants or at a greater distance. The high-fidelity digital sound system provides a wide and immersive sound field, with a volume level reaching up to 95 decibels, effectively covering conference spaces of up to 60 square meters.

## Features

- Full-duplex deep echo cancellation, wide-band voice call high-definition technology, intelligent microphone mixing, dynamic noise suppression, and automatic gain control.
- Suitable for conference rooms ranging from 20 to 60 square meters, supporting on-site meetings with up to 20 participants.
- The collection system features 12 built-in microphone arrays, providing 360-degree omnidirectional pickup with a range of 8 meters, delivering clear and bright audio with broadcast-grade quality. When using expansion microphones, the pickup range extends up to 10 meters.
- Support 2.4G wireless transmission, eliminating the need for connecting cables to video terminals, PCs, and other communication devices. Applicable for wireless models.
- Support USB, video conferencing systems, SaaS cloud video conferencing software platforms, and web conferencing platforms.
- Support LINE IN/OUT analog interfaces, connecting external communication terminals via a 3.5mm audio cable, compatible with video conferencing systems, multimedia communication systems, and web conferencing platforms.
- Support connection to mobile phone terminals via a 3.5mm audio cable, allowing for hands-free conference calls on mobile phones.
- Collaborative multi-party calling functionality: Enable multi-party calls from both USB network communication and wireless communication networks, allowing video or web conferences to be extended to mobile phone networks.
- The speaker system features multi-core digital units with a volume of up to 95dB and 16 levels of digital volume adjustment.
- A large, high-definition color LCD screen clearly displays dynamic system status information, making it easy to operate.
- Button functions include pick-up, hang-up, microphone mute, volume control, and speaker mute.
- The built-in 5200mAh battery provides over 6 hours of continuous operation and 55 days of standby time.

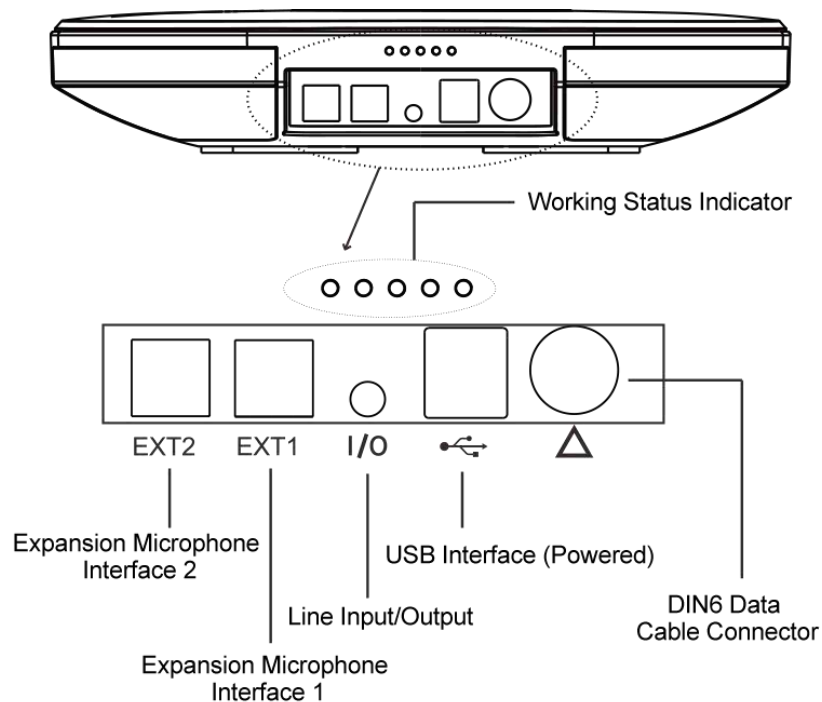
## Specifications

Model	D7703
Voice Technical Specifications	Deep echo cancellation (AEC): Greater than 65dB Echo cancellation length: ≤500ms Bidirectional noise compression (NC): Less than 25dB Intelligent microphone auto-orientation technology (EMI) Automatic gain control technology (AGC)
Audio Specifications	Microphone frequency response: 100Hz-22KHz Speaker frequency response: 100Hz-22KHz Speaker volume: Maximum 95dB Microphone pickup radius: 8 meters, 360-degree full range
Expansion microphone (if equipped)	Support connection of 2 expansion microphones, extending the pickup radius to 10 meters.
Dimensions	L×W×H: 237mm×237mm×44mm
Parameters/Name	Hub (Optional)
Interface	DIN6 connector×2; power connector×1; power switch×1; USB Table B interface×1

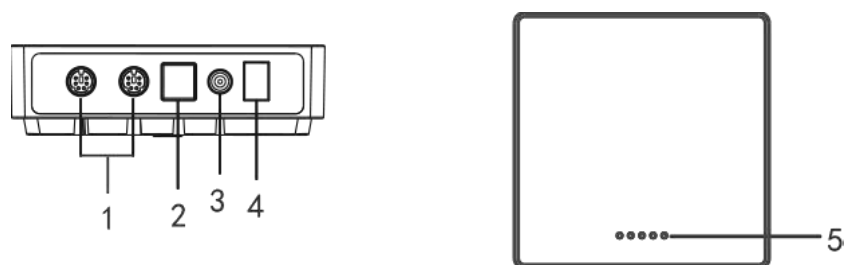
Power Supply	Power socket (DC12V) Adapter input AC100V-AC240V, output DC12V/2A
Data Cable	DIN6 data cable×1; length: 5 meters
USB Cable	USB cable; length: 3 meters
Compatibility	Support Windows, Android, iOS, and Linux systems Driver-free automatic recognition of cameras, microphones, and speakers Compatible with major video conferencing software platforms such as Zoom, Microsoft Teams, and Vidy.
Dimensions	L×W×H: 113.6mm×113.6mm×32.6mm

## Front / Rear Panel

### Omnidirectional Microphone Interface Description



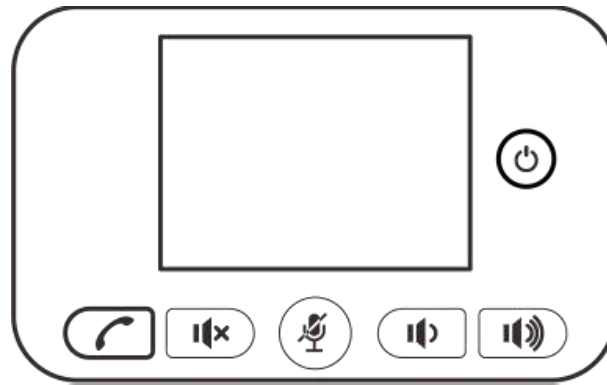
### Hub Interface Description (Optional)











1. DIN6 Data Cable Connector
2. USB Connector
3. Power Connector
4. Power Switch
5. Working Status Indicator

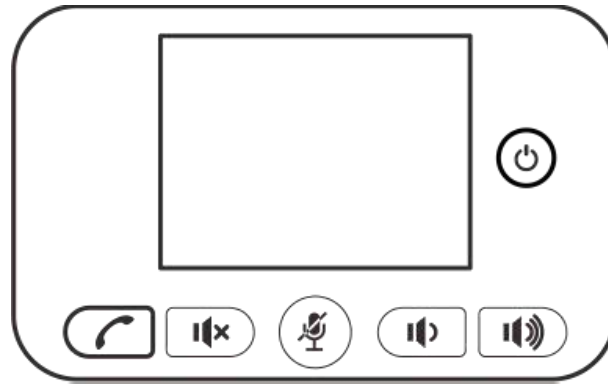
# Omnidirectional Microphone Panel Description










## Button Description



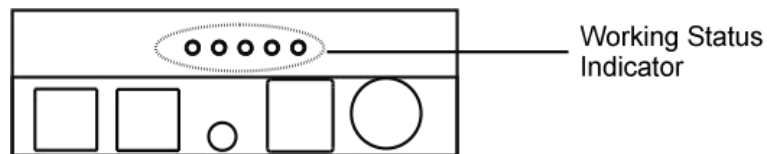
	Volume Buttons	Decrease/Increase volume.
	Speaker Mute Button	Press this button briefly to turn the speaker mute on/off. Press and hold this button for 5 seconds, the working status indicator will flash blue three times, indicating entry/exit from AUX mode (default is AUX mode off).
	Power Button	Press and hold this button for 3 seconds to power on/off.
	Off-hook/On-hook Button	Pick up / Hang up.
	Microphone Mute Button	Turn the microphone mute on/off.
	PC Mode	Press and hold the microphone mute button for 5 seconds, then simultaneously press the off-hook/on-hook button and the volume increase button to enter PC mode and exit mobile phone mode. The working status indicator will flash blue three times.
	Mobile Phone Mode	Press and hold the microphone mute button for 5 seconds, then simultaneously press the off-hook/on-hook button and the volume decrease button to enter mobile phone mode and exit PC mode. The working status indicator will flash blue three times.
	Echo Cancellation Button	Press and hold the microphone mute button for 5 seconds, then simultaneously press the volume decrease button and the volume increase button to enter/exit echo cancellation mode. The working status indicator will flash blue three times.

## LCD Display Screen Description



 Microphone Mute Status	 Microphone On Status	 PC Connected
 PC Disconnected	 Volume Adjustment Status	 Wireless Connected
 Wireless Disconnected	 Battery Charging Status	 Battery Level Display

## LED Status Description



Working Status Indicator	Blue Indicator Normally On	USB Connected
		Wireless Connected
	Red Indicator Normally On	Mobile Phone Connected
		Microphone Mute
	Flashing Blue Indicator	Speaker Mute