MS-SP10

M Solutions

USB Omnidirectional Smart
Conference Speaker Phone

Description:

The MS-SP10 is an USB smart conference speakerphone with embedded architecture design. It adopts the combination mode of main microphone + extension microphone, 10 meters ultra-long distance and 360° omnidirectional pickup, built-in high-fidelity sound cavity and AI intelligence audio algorithms to escort your high-quality meetings.

Key Features:

- **Application scenario:** The combination mode of main microphone + extension microphone can be used according to the size of the site environment, to achieve longer distance pickup and transmission, suitable for small conference room, medium-sized conference room and large conference room etc.

- **Multi-platform compatibility, plug-and-play:** Compatible with various platforms and mainstream conference software, plug-and-play, free of configuration and debugging, easy to use.

- **Microphone array:** The main microphone has four built-in digital microphones with high SNR, 360° omnidirectional pickup, full-duplex audio technology, which can select the microphone with the highest sound quality according to the direction and position of the speaker.

- **High-fidelity sound effect:** It adopts high and low-frequency speaker design, tuned by top sound engineers, making the playing music rich in bass, clear in treble, and clear and natural in playing voice.

- **AI intelligent audio algorithm:** built-in AI intelligent audio algorithms such as noise reduction, echo cancellation, reverberation suppression and automatic gain, etc., which are in the leading position in the industry, can effectively eliminate background noise, restore high-definition human voice, and create ultimate audio-visual experience for professional conferences.

- **Elegant appearance,** metallic texture, ring-shaped indicator lights, and a variety of colors, allowing users to easily identify the current working status of the microphone – suitable for various styles of conference room.

Technical Specifications:

Meeting Ability	
Coverage area	20-100m²
Number of participants	6-20
Connection method	USB 2.0
Microphone	
Microphone type	Omnidirectional microphone
Microphone array	Built-in 6 omnidirectional microphones (main mic 4+2* extension mic 1)
Pickup distance	10m pickup distance (dual-extended mic mode)
Frequency response	50Hz~16kHz
SNR	68dB
Sensitivity	-35dBFS 94dB SPL @1KHz
Speaker	
Speaker type	Full frequency speaker
Power	15W
Frequency range	50Hz ~ 20kHz
Volume	89dBA @1m
Total harmonic distortion	<3%
Audio	
Audio features	32K sampling rate, HD broadband audio, full-duplex
USB protocol	Supports UAC2.0
AEC	Uses AI algorithm to eliminate echo
ANS	AI noise reduction, eliminates all kinds of stationary and non-stationary interference noise, maximum noise suppression: 90dB
AGC	Intelligent gain adjustment within 10 meters, clear pickup
Reverberation suppression	Uses AI algorithm to reduce reverberation
Interface	
Type C interface	1 × Type C interface, used to connect the audio input and output of PC and other equipment; 2 x Type C interface for connecting to the extension mic
Power supply	DC12V/3A, external power supply to power the microphone device
Buttons	Touch button (mute button with light indicator)
Other Specifications	
Dimensions (L x W x H)	Main mic: 150m x 150mm x 89mm; Extension mic: 80m x 80mmx 25mm
Weight	Main Mic: 1.23kg; Extension Mic: 0.13kg
Environmental conditions	Temperature: 0℃~40℃ (working), -40℃~60℃ (non-working) Relative humidity: 45%~90% (working), 30%~90% (non-working)
Certification	CCC, CE, RoHS, FCC