



User Guide

MS-SP8

Digital Array Microphone

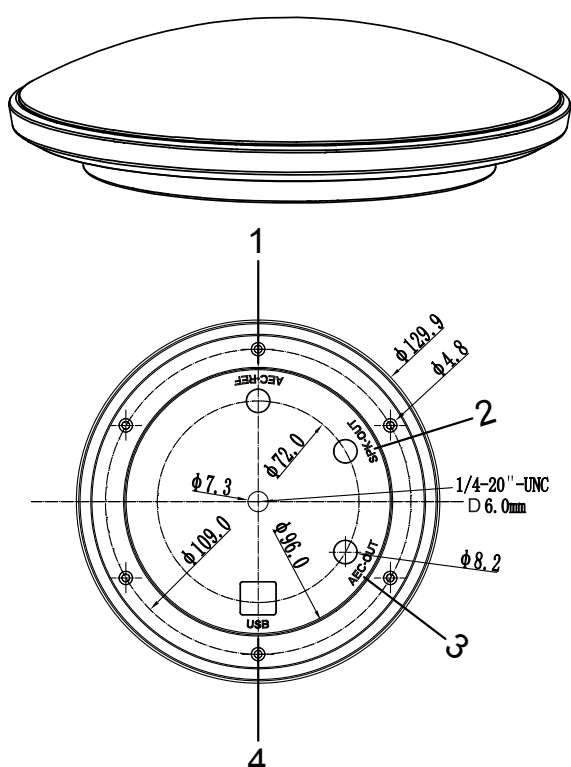


Digital Array Microphone Quick Start

1 Packing List

Item	Quantity
Digital Array Microphone	1
USB Cable	1
3.5mm Audio Cable	1
Quick Start	1
Quality Card	1

2 Appearance and Interface



No.	Name	Function
1	AEC-REF	Signal input interface, input remote reference signal.
2	SPK-OUT	Audio signal output interface, output to the speaker.
3	AEC-OUT	Signal output interface, output to remote equipment.
4	USB	USB interface is used to connect USB devices and charge the microphone.

3 Product Feature

This product is a digital array microphone that adopts embedded architecture, beam forming, professional digital audio processing, 8 meters long distance pickup, and can stably realize automatic voice tracking and full-duplex interaction. The appearance of the product is small and exquisite, 32kHz broadband sampling, built-in intelligent audio algorithms such as automatic noise reduction, echo cancellation, automatic gain, etc.,

eliminates noise, suppresses reverberation and echo interference, and has low requirements for the sound environment. The equipment is plug and play, and configuration is free. Debugging, easy to use.

Digital Microphone Array, Long Distance Voice Pickup

Digital microphone array, 8-meter distance voice pickup. A hands-free lecture and presentation solution.

Intelligent Voice Tracking

Adaptive blind beamforming technology, automatic speaker alignment and speech reinforcement, to prevent from interference and to keep speech clear.

Multiple Audio Algorithms, High Quality of Sound

Built-in multiple audio algorithms can suppress the acoustic reverberation in the classroom, reduce environmental noise, remove echo and howling, double-talk without suppression, and provide a comfortable listening experience.

Simplified Installation, Plug and Play

Equipped with standard USB2.0 and 3.5mm audio interfaces, the device is plug and play, no professional tuning is required, installation and maintenance are convenient, and it can meet the needs of digital and analog audio dual-mode applications in the classroom.

Easy Change the Appearance, Invisible Application

It adopts the technology of hot laminating and wrapping cloth to change the appearance color and pattern more conveniently. With natural visual effect, it adapts to all types of classroom decoration style, and realizes the Invisible application.

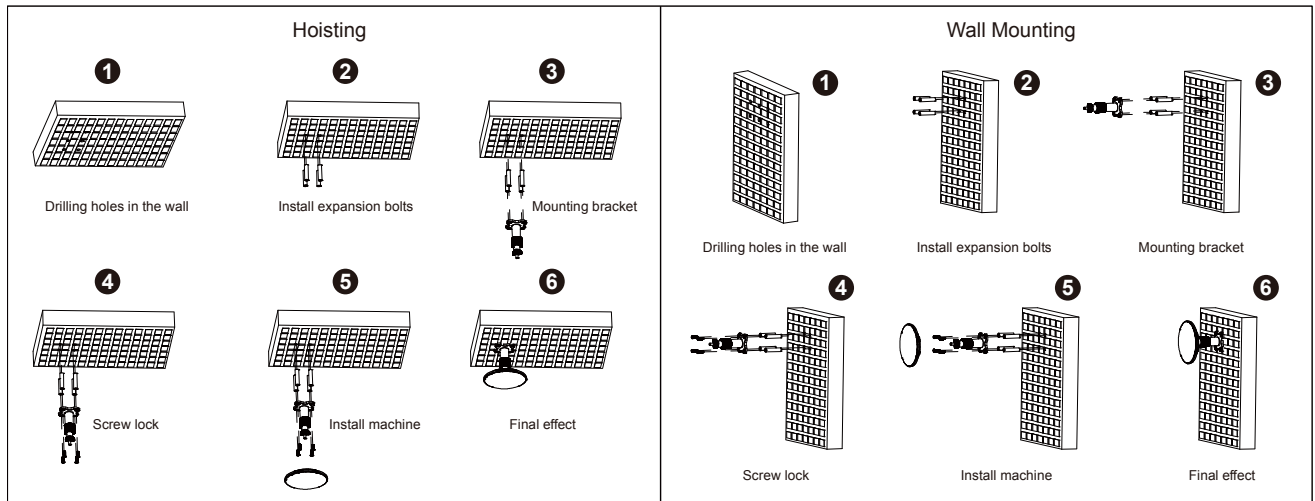


Warning This is Class A product. In the living environment, this product may cause radio interference. In this case, users may be required to take practical measures against interference.

4 Product Specification

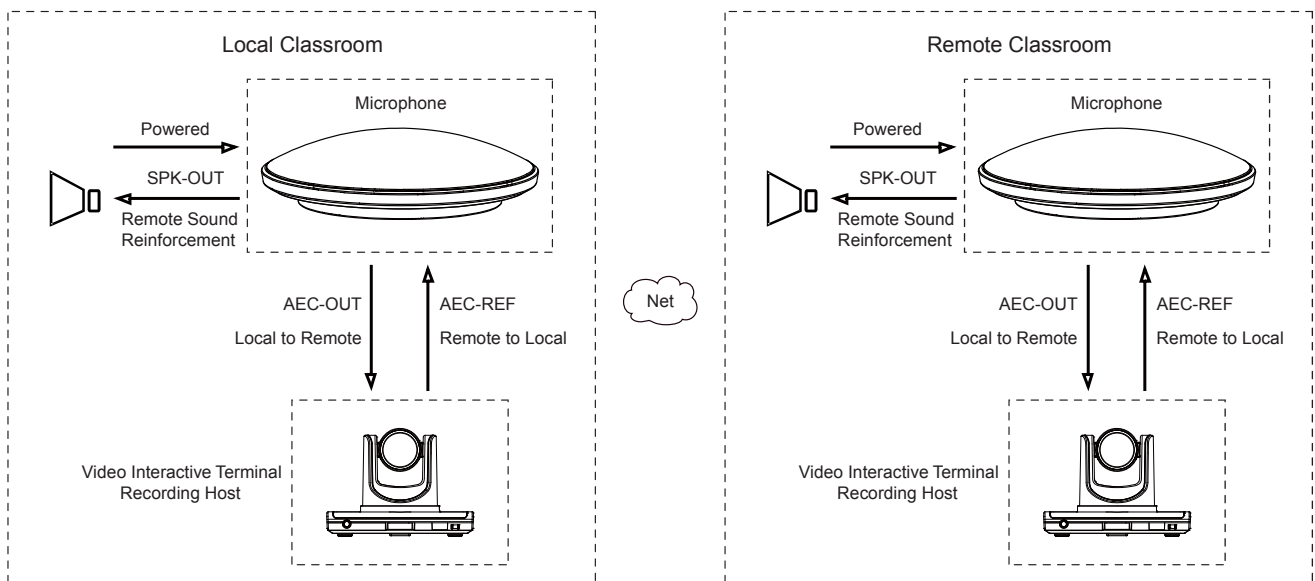
Audio Parameters	
Microphone Type	Digital Array Microphone
Microphone Array	Built-in 7 microphone arrays to form a circular microphone array
Sensitivity	-26 dBFS
Signal Noise Ratio	> 80 dB(A)
Frequency Response	20Hz - 16kHz
Sampling Rate	32K sampling, high definition broadband audio
Pickup Distance	8m
USB Protocol	Support UAC
Automatic Echo Cancellation (AEC)	Support
Automatic Noise Suppression (ANS)	Support
Automatic Gain Control (AGC)	Support
Hardware Interface	
Audio Input	1 x 3.5mm Line In
Audio Output	2 x 3.5mm Line Out
USB Interface	Support UAC 1.0 protocol
General Specification	
Power Input	USB 5V
Dimension	Φ 130mm x H 33mm

5 Product Installation

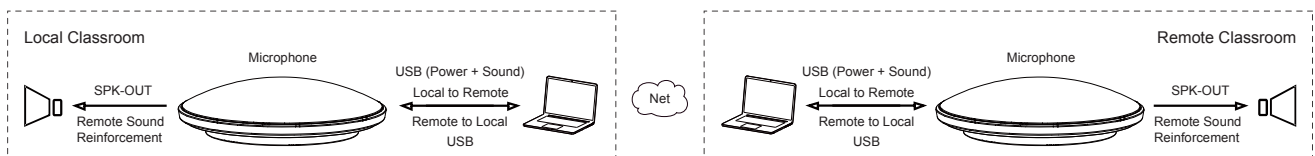


6 Network Application

6.1 Analog Connection (3.5mm Interface)



6.2 Digital Connection (USB Interface)



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