



Ceiling Contactless Voice Amplifier Microphone

Model: **LT-CS100**



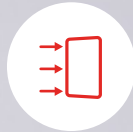
Hands-free
Contactless



Long Pickup
Distance



Howling
Suppression



Voice
Fence



Self-adaptive
Debugging-free



Ceiling Contactless Voice Amplifier Microphone

Designed for seamless classroom communication with clear, balanced sound and effortless hands-free operation. Built-in intelligent audio processing reduces noise and enhances voice clarity for an improved learning experience.



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Product Specification

Microphone

Microphone Type	Built-in with 7 MEMS Digital Microphones Array
Sensitivity	-38 dBFS
Signal-to-noise Ratio	65 dB(A)

Audio Features

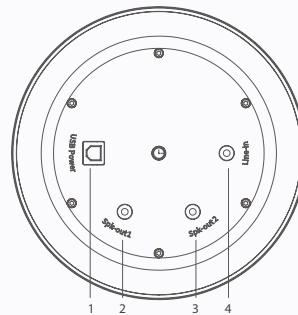
Frequency Response	100Hz - 8kHz
Sampling Rate	16K samples, High definition wideband audio
Pickup Distance	3meter Radius for Optimal Voice Pickup
Beam Forming	Adaptive Beam
Automatic Feedback Suppression	Yes
Automatic Noise Suppression	Yes
Automatic Gain Control	Yes
Automatic Reverberation Suppression	Yes

Hardware Interface

Audio Output	2x 3.5mm Spk-Out Linear output
Audio Input	1x 3.5mm Line-In Interface
USB	Supports software upgrades and parameter configuration

General Specifications

Power	USB 5V Power
Dimension	Φ 155.9mm x H 38.2mm



- 1 — USB POWER
- 2 — SPK-OUT
- 3 — SPK-OUT
- 4 — LINE IN

Features



Contactless Use, Free Your Hands

No need to hold or wear sound pickup equipment, and no need to charge and maintain. Equipped with an infrared remote control, one-click controls the switch and adjusts the volume, freeing your hands and using it more contactless.



Long-Distance Sound Pickup, Free Movement

The microphone has seven built-in digital microphone arrays, which can achieve effective sound pickup in an 8-meter radius towards its directional area (3 meters or optimal sound pickup), automatically shielding noise interference outside the area.



Clear Sound Pickup And Comfortable Listening Experience

Built-in audio processor, equipped with environmental adaptive algorithm, howling suppression, automatic gain algorithm, etc. Automatically eliminate noise and dereverberation, 18ms ultra-low latency, and more comfortable listening.



Voice Fence Algorithm, Isolate Noise Interference

Developed a noise barrier system to isolate interference. Microphones are capable of forming virtual walls at pre-set boundaries of the designated sound pick-up area, capturing sounds within the wall while blocking out external interference. The suppression of external interference exceeds 30dB, with an effective working distance of 2m (optimal performance typically within 1m).



Healthy Sound Amplification, Better Than The National Standard

Paired with digital active speakers, the amplification volume is 6dB higher than the national amplification standard (increased by 8dB). Complying with the national healthy acoustic environment standards, it can provide clear and balanced sound amplification anywhere in the classroom.



Simple Deployment And Easy Maintenance

The microphone wiring is simple, powered by a USB cable, used by connecting the 3.5mm audio cable to the speaker. No complex wiring installation, and no debugging is needed, which saves labor costs.