

OTHERS

Digital Audio Processor

B20M / B21M



Designed for large conference rooms, classrooms, lecture halls, and similar settings, this digital audio processor includes a professional digital audio processing unit and algorithms. It can connect to multiple M702 or M710T digital array microphones and reliably produce clear and natural sound quality for various scenarios.



B20M



B21M

FEATURES

▼ PROFESSIONAL AUDIO PROCESSOR

B20M: Uses a specialized chip and an embedded system for stable performance.

B21M: Has dual embedded chips for powerful computing.

Both provide accurate volume control, efficient audio processing, low delay, and a secure, reliable system.

▼ AI AUDIO ALGORITHM

B20M: Includes advanced digital audio features like automatic noise suppression, gain control, echo cancellation, equalization, microphone mixing, and reverb reduction to improve sound quality.

B21M: Uses Tencent Ethereal Inside AI audio technology for noise reduction, gain control, echo cancellation, equalization, and reverb removal, offering clearer audio.

▼ MULTIPLE INTERFACES

B20M: Can connect up to 6 microphones, 4 line inputs, and 4 line outputs. It also supports USB audio and can add wireless microphones.

B21M: Can connect up to 8 digital microphones, 5 line inputs, and 5 line outputs. It also supports adding wireless microphones (B21M wireless version).

▼ PLUG-AND-PLAY

It comes with standard RJ45, USB, and line audio interfaces. It's plug-and-play, easy to set up, supports long-distance transmission, and has strong interference resistance.

SPECIFICATIONS

▼ DIFFERENCE

	B20M	B21M
Microphone Cascade	Built-in 6 high signal-to-noise ratio digital microphones	Built-in 8 high signal-to-noise ratio digital microphones
Audio Interface	65 dB(A)	94 dB SPL @ 1 kHz, 68 dB(A)/94 dB SPL @ 1 kHz
Dimensions	-38 dBFS	-35 dBFS
Weight	About 0.4Kg	720g

▼ HARDWARE INTERFACE

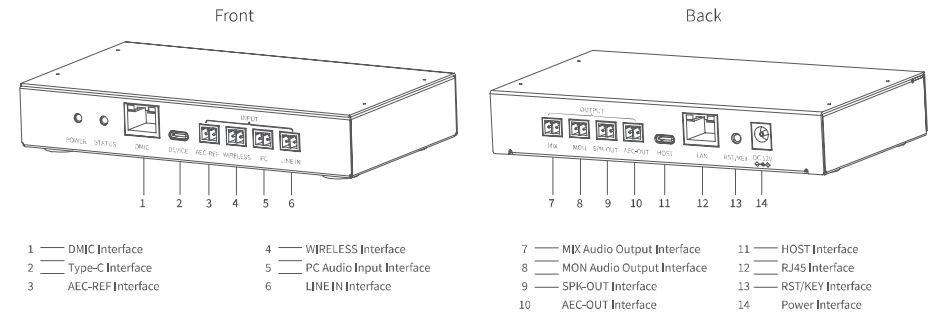
Network Interface	1 × upstream LAN interface; 1 × downstream cascade digital audio DMIC interface
USB Interface	1 × DEVICE interface, used as a USB audio device to connect to a USB host (such as a PC) 1 × HOST interface, used as a USB host to connect to a USB device
Audio Interface	4 × INPUT phoenix terminal interface 4 × OUTPUT phoenix terminal interface

▼ GENERAL SPECIFICATION

Power Supply	DC 12V/5A (supports 8-level cascading) DC 12V/3A (supports 4-level cascading)
PoE	PoE 48V power supply, supports IEEE802.3 AT

INTERFACE

B20M



B21M

