

Ethereal Inside Audio Processor

B21M

B21M is an audio processor designed for classrooms, conference rooms, courts, and churches. It supports up to 8 digital array microphone inputs, accurately capturing sounds from all directions. With Tencent Ethereal Inside intelligent audio algorithms and dual embedded chip co-processing technology, it delivers clear and natural sound quality.



USB 2.0



Cascade Microphones



Tencent Ethereal Inside



Plug and Play



Features

▼ Professional Audio Processing Technology

It adopts dual-embedded chips for collaborative processing. Its advanced architecture and strong computing power provide professional digital audio processing, and the system is safe, stable, and reliable.

▼ Tencent Ethereal Inside Audio Algorithm

The device provides an immersive user experience with built-in AI audio algorithms like Tencent Ethereal Inside Intelligent Noise Reduction, Auto Gain, and Echo Cancellation.

▼ Plug and Play

Featuring standard USB 2.0 and 3.5mm audio ports, along with a network digital audio DMIC, the device is plug-and-play, requiring no tuning.

▼ Cascade Microphones

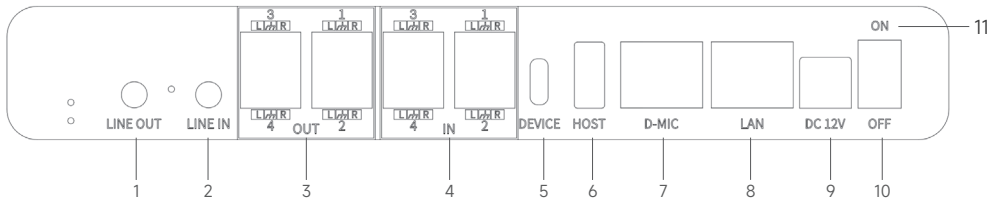
The processor supports 8 digital microphone cascade inputs and USB audio inputs and outputs. It also supports 5 linear inputs and outputs and can access wireless microphone (B21M wireless version).

Product Specification

▼ Hardware Interface

Network Interface	2* RJ45, 1 uplink LAN interface, 1 downlink cascade network digital audio DMIC interface, up to 8 cascade microphones
USB Interface	2*USB, 1 DEVICE interface, as a USB audio device connected to a USB host (such as a PC). 1 HOST interface, as a USB host connected to a USB device
Audio Interface	4 INPUT Phoenix terminal interfaces, 4 OUTPUT Phoenix terminal interfaces, 1 3.5mm analog audio input, 1 3.5mm analog audio output
Power Interface	DC 12V
Wireless	Optional, reserved for expansion (wireless version)

Interface Diagram



1 — LINE OUT
2 — LINE IN
3 — IN
4 — OUT

5 — DEVICE
6 — HOST
7 — D-MIC
8 — LAN

9 — DC 12V
10 — OFF
11 — ON