

Amber SL404 Overview

Amber series powered speakers are designed for intelligent network system construction and have digital and analog dual-link backup inputs. This series of powered speaker uses TENDZONE's proprietary audio processing technology to achieve natural sound playback and inherit TENDZONE's good sound quality. It uses TENDZONE Vailink network transmission protocol and realizes network audio transmission through the RJ45 network interface. It also has an XLR-F analog input interface, which serves as a link backup for network audio transmission, with network priority and automatic switching. It provides stable and safe protection for major integration projects.



Features

Basic Functions

- ◆ Built-in digital signal processing, using Chinese Rockchip ARM as the processing and management core
- ◆ Built-in dual-channel intelligent digital power amplifier, the speaker is driven in bi-amp mode
- ◆ Adopting Vailink network audio transmission protocol, it seamlessly connects with AI audio algorithm processing service platform. The platform design software can uniformly design signal routing and management, manage multiple devices in a unified manner, and remotely switch devices on and off
- ◆ 2 Vailink gigabit network interfaces, supporting dual-link redundant backup. If one link fails, it will automatically and seamlessly switch to the other link
- ◆ 1 XLR analog input interface, automatically switches to analog input link when network links fail

Operation and Maintenance Management

- ◆ Built-in electret omnidirectional professional test microphone to monitor the sound restoration status of the speaker in real time
- ◆ The platform software can remotely monitor the working status of the speaker, including: output current, output voltage, temperature, output protection status warning, amplifier module channel mute status display, output limit warning
- ◆ It has the function of device search, which can be queried remotely and let the device display location reminder
- ◆ Color LCD display, which can display device information and parameters, and can turn pages and confirm parameters through encoder

Application

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|---------------------|------------------|------------------|
| ● Meeting Rooms | ● Courtrooms | ● Hotels |
| ● Conference Center | ● Classrooms | ● Lecture Halls |
| ● House of Worship | ● Training Rooms | ● All Hand Space |

SPECIFICATIONS

General Parameters	
Low Frequency Unit	4x4.5 inches
High Frequency Unit	1 inch
Speaker Rated Power	230W
Maximum SPL	118dB continuous, 124dB peak;
Frequency Response (-10dB)	118Hz-19kHz
Coverage Angle	100° x 50°
Working Mode	Adopt dual power amplifier drive: low frequency, high frequency; signal processing: domestic ARM
Installation	Bracket, wall mount, hoisting;
Functions	
Connection	Vailink protocol, 2 RJ45, 1000M/100M adaptive, dual-link transmission & management, automatic switching
Analog Input	XLR-F balanced input; maximum input level: 20dBu, dynamic range: >110dBA, frequency response: 20Hz-20kHz (± 0.2 dB)
Analog Output	XLR-M balanced output, analog loop-out or processed output; maximum output level: 20dBu, dynamic range: >110dBA, frequency response: 20Hz-20kHz (± 0.2 dB)
Management	Centrally managed by the audio algorithm processing service platform, seamless connection
Remote Switch	The platform remotely manages the device's switch
Signal Selection & Link Backup	Network and mode input, three-link backup transmission function, automatically switch to analog input when network transmission fails
Health status	Built-in electret omnidirectional professional test microphone, which can monitor the sound restoration status of the speaker in real time
Working status monitoring	Output current, output voltage, load, temperature, output protection status warning, mute status display, output limit warning
Device Search	Remote search, speaker brand backlight flashes
Display screen	1.5-inch LCD display, can display device information and parameters, can turn pages and confirm parameters through encoder
User Control	Supports adjusting volume, mute, and page
Electrical and Physical Parameters	
Power Interface	Neutrik PowerCon
Power Switch	Ship Type Switch
Amplifier Power	800W
Amplification Type	Using Class D technology, the conversion efficiency can reach 90%@360 W
Operating Voltage	AC100V-240,50/60Hz
Operating Temperature	0~45℃
Dimensions (W x H x D)	198mm x 730mm x 246mm
Weight	13kg

Rear Panel

