IP Network Speaker

T-8807M

Description

IP network speakers. Suitable for classrooms , multimedia classrooms, offices, conference rooms, prisons, hospital departments, subways, and other locations. Used for local sound reinforcement and emergency broadcasting. Also suitable for playing ringtones or background music.

Features

*The speaker is made of high-density ABS material, which has the advantages of shock resistance, durability, and exquisite and beautiful appearance.
*It has two MIC input interfaces, one of which supports the connection of a microphone to realize local paging and amplification functions and supports network volume adjustment; the other can be connected to an external digital detector. The device has a built-in digital ambient sound detection algorithm that can detect abnormal status of the playback speaker.
*It has a built-in microphone that supports audio detection. It can collect audio through the microphone and detect and analyze the number of audio frames, network packet loss rate, maximum frame interval, link overshoot data, playback status, and audio similarity. It can also upload the data to the system and export reports.
*It features a 1-line (AUX) input interface, supports network volume adjustment, supports offline local amplification, and supports background accompaniment presets.
*It has one short-circuit input interface, which supports custom implementation of functions such as alarm triggering, local media library music playback, and volume adjustment.
*It has one RS-485 interface, which supports external volume control panel.
*The main speaker has a built-in dual-channel Class D digital power amplifier with 2×30W (MAX) and one channel connected to the auxiliary speaker. It adopts a high and low frequency crossover design, with delicate sound quality and powerful output. It also features network volume settings.
*It has a built-in network audio decoding function, supports mainstream audio formats such as MP3, WAV, FLAC, OGG, AAC, and OPUS, and is compatible with a full sampling rate of 8kHz-48kHz. It supports playback of audio with sampling rates of 8kHz, 16kHz, 32kHz, 44.1kHz, and 48kHz.
*Built-in DSP audio processing supports ultra-low latency digital mixing and 10-band EQ equalization.
*Built-in 2- level priority settings: (1) Network alarm signals take priority over local input signals. (2) The priority of local input signals MIC, AUX and network background music is configured by the server; local input signals MIC and AUX are mixed at the same level.
*It supports remote firmware upgrades and network-based device maintenance, reducing the workload of personnel.
*The device is equipped with a UHF wireless handheld microphone, has local paging and amplification functions, adopts a single-channel dual-antenna design, covers a frequency range of 640MHz~690MHz, and achieves frequency matching through infrared frequency matching technology.
*The system adopts a data redundancy encoding and decoding algorithm and supports packet loss recovery function. After the packet loss recovery function is enabled, audio playback is smooth even when the network packet loss is 37.5%.
*Supports playback system acquisition and playback tasks. Within a local area network, the latency at the playback end is <5ms (comparison between the audio source output end and the terminal audio playback end).

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Specification

Network interface	Standard RJ45 input × 2
Transmission rate	100Mbps
Supported protocol	TCP/IP, UDP, IGMP, ICMP
Audio mode	16-bit CD-quality audio
Sampling rate	8kHz-48kHz
Auxiliary line input level	350mV Industrial Standard 3.81mm Crimping Terminal
Frequency response	80Hz-16kHz (+1dB/-3dB)
MIC input sensitivity (unbalanced)	120mV Industrial Standard 3.81mm Crimping Terminal
MIC frequency response	200Hz-10kHz (+1dB/-3dB)
Harmonic distortion	≤1%
Signal-to-noise ratio	≥70dB
Output power	2×30W (MAX)
Maximum sound pressure level	99dB
Sensitivity	86dB
Overall power consumption	60W
Short-circuit input	Dry contact input industry standard 3.81mm crimp terminal
Operating ambient temperature	5℃ ~ 40℃
Working environment humidity	20%–80% relative humidity, no condensation
Input power	~220V 50Hz
Main container net weight	2.8kg
Net weight of auxiliary box	2.4kg
Dimensions (W × D × H)	165×140.2×305mm