IP Network Speaker

T-8807IB

Description

IP network speakers are suitable for playing recorded voice files or background music programs in ordinary classrooms, multimedia classrooms, offices, conference rooms, prisons, hospital departments, subways and other places, and also support local broadcast amplification.

Features

*The speaker cabinet is designed with high-density wooden material, which has the advantages of shockproof, durability, exquisite appearance, etc.

*It has 1 line (AUX) input interface, supports network volume adjustment, supports local sound amplification function when disconnected from the network, and supports background accompaniment preset function.

*The wireless audio module can be expanded to realize local sound amplification with wireless microphone. The Bluetooth receiver can be expanded to receive Bluetooth audio for local sound amplification.

*It has a 100V constant voltage signal backup input interface, which switches to the backup channel when the machine is without network to avoid crosstalk between local signals and backup signals.

*Supports network and analog 100V main and standby switching functions. Supports automatic switching to the analog 100V constant voltage backup line when power is off or the network is disconnected. The delay of the hearing backup switching is less than 0.03 seconds. There is no delay, no lag, no dropout during the switching process, and it does not affect the normal broadcast; when the network and power supply return to normal, it automatically switches to the main channel. The switching time is less than 0.03 seconds. There is no delay, no lag, no dropout during the switching process, and it does not affect the normal broadcast.

*The main speaker has a built-in 2 × 20W (MAX) dual-channel Class D digital power amplifier, which is connected to the sub-speaker and adopts a high and low frequency division design; the sound quality is delicate and the power is strong; it has a network volume setting.

*Built-in network audio decoding module, supports mainstream audio formats such as MP3, WAV, FLAC, OGG, AAC, OPUS, etc., and is compatible with 8 kHz - 48 kHz full sampling rate.

*Built-in DSP audio processing, supports ultra-low latency digital mixing, and 10-band EQ equalization configuration.

*Built-in 3-level priority settings: (1) Network alarm signal takes priority over AUX and network background music signals and 100V analog backup signals. (2) Network background music signals and local audio input can be set with user-defined priorities as needed. (3) 100V analog backup signals have the lowest priority.

*Supports remote firmware upgrades and equipment maintenance via the network to reduce staff workload.

*The system uses a data redundancy encoding and decoding algorithm and supports anti-packet loss recovery function. When the network packet loss rate is 37.5%, the audio playback is smooth.

*The end-to-end delay of the system playing collected audio is less than 5ms.

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Specification

Network interface	Standard RJ45*1 input
Transfer rate	100Mbps
Supported agreement	TCP/IP, UDP, IGMP, ICMP
Audio format	Supports mainstream audio formats such as MP3, WAV, FLAC, OGG, AAC, OPUS, etc.
Audio mode	16-bit CD -quality sound
Sampling rate	8kHz-48kHz
AUX input sensitivity (unbalanced)	350mV Industrial standard 5.08mm crimping terminal
Frequency response	80Hz-16kHz(+1dB/-3dB)
Harmonic distortion	≤1%
Signal-to-noise ratio	≥68dB
Output power	2 × 20W(MAX)
Maximum sound pressure level	98dB
Sensitivity	85dB
Power consumption	60W
Backup 100V input	HB9500 Terminal Block
Operating temperature	5℃ ~ 40℃
Working environment humidity	20% ~ 80% relative humidity, no condensation
Input Power	~ 220V 50Hz
Main box weight	3.3kg
Auxiliary box weight	2.4kg
Dimensions (W x D x H)	180×203×280mm