



Description

The IP network speaker is 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 supports local broadcast amplification.

Features

- *The speaker cabinet is designed with high-density wood 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 a 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 out of network, avoiding crosstalk between the local signal and the backup signal.
- *Supports network and analog 100V primary and backup switching. In the event of a power outage or network disconnection, it automatically switches to the analog 100V constant-voltage backup line. The delay for switching to the hearing backup is less than 0.03 seconds, and the switching process is smooth, without lags or dropouts, without affecting normal broadcasts. When the network and power supply return to normal, it automatically switches to the primary channel in less than 0.03 seconds, with no delays, lags, or dropouts, without affecting normal broadcasts.
- *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.
- *It has built-in network audio decoding function, supports mainstream audio formats such as MP3, WAV, FLAC, OGG, AAC, OPUS, is compatible with the full sampling rate of 8kHz-48kHz, and 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 configuration.
- *Built-in 3-level priority settings: (1) Network alarm signal takes priority over AUX and network background music signals and 100V analog backup signal. (2) Network background music signal and local audio input can be customized by the user as needed. (3) 100V analog backup signal has the lowest priority.
- *Supports remote firmware upgrades and device maintenance via the network, reducing staff workload.
- *The device is equipped with a U-band wireless handheld microphone and has local paging and sound amplification functions. It 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 uses a data redundancy encoding and decoding algorithm and supports anti-packet loss recovery. After the anti-packet loss recovery function is turned on, audio playback is smooth when the network packet loss reaches 37.5%.
- *Supports playback system acquisition and broadcasting tasks. Within the local area network, the playback end delay is <5ms (compared with the audio source output end and the terminal audio playback end).



Specification

Network interface	Standard RJ45 input × 1
Transfer rate	100Mbps
Supported agreement	TCP/IP, UDP, IGMP, ICMP
Audio mode	16-bit CD -quality sound
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 of the whole machine	60W
Backup 100V input	HB9500 terminal blocks
Working environment temperature	5°C ~ 40°C
Working environment humidity	20% to 80% relative humidity, no condensation
Input power	~ 220V 50Hz
Main box weight	3.4kg
Auxiliary box weight	2.4kg
Dimensions (W×D×H)	180×203×280mm