



Description

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

Features

- *The speaker enclosure is made of high-density wood, which has the advantages of shock resistance, durability, and exquisite and beautiful appearance.
- *It features a 1-line (AUX) input interface, supports network volume adjustment, supports offline local amplification, and supports background accompaniment presets.
- *It features an expandable wireless audio module, enabling local amplification via a wireless microphone. It also allows for the connection of a Bluetooth receiver to receive Bluetooth audio for local amplification.
- *It has a 100V constant voltage signal backup input interface, which can switch to the backup channel when the machine is not connected to the network to avoid crosstalk between the local signal and the backup signal.
- *Supports network and analog 100V primary/backup switching. Automatically switches to the analog 100V constant voltage backup line during power outages or network interruptions, with a switching delay of less than 0.03 seconds. The switching process is seamless, without delay, stuttering, or dropped words, and does not affect normal broadcasting. When the network and power supply are restored, it automatically switches back to the main channel, with a switching time of less than 0.03 seconds. The switching process is also seamless, without delay, stuttering, or dropped words, and does not affect normal broadcasting.
- *The main speaker has a built-in 2 × 20W (MAX) dual-channel Class D digital power amplifier, with one channel connected to the secondary speaker. It adopts a high and low frequency crossover design, providing 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 3-level priority settings: (1) Network alarm signal takes priority over AUX, network background music signal and 100V analog backup signal. (2) Network background music signal and local audio input can be set by the user according to their needs. (3) 100V analog backup signal has the lowest priority.
- *It supports remote firmware upgrades and network-based device maintenance, reducing the workload of personnel.
- *The device is equipped with a UHF wireless headset 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).



Specification

Network interface	Standard RJ45 input ×1
Transmission rate	100Mbps
Supported protocol	TCP/IP, UDP, IGMP, ICMP
Audio mode	16-bit CD -quality audio
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
Overall power consumption	60W
Backup 100V input	HB9500 type terminal block
Operating ambient temperature	5°C ~ 40°C
Working environment humidity	20%–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