



Description

The digital network decoding module is integrated with the sound column, and the aluminum alloy waterproof and rustproof shell structure makes it suitable for program playback and broadcasting in indoor and outdoor places such as schools, parks, squares, streets, and tourist attractions.

Features

- *The professionally designed integrated sound column, paired with a customizable, adjustable mounting bracket, allows for convenient on-site adjustment of the sound radiation angle.
- *Built-in DSP processing supports ultra-low latency digital mixing and 10-band EQ configuration.
- *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.
- *It features a built-in 20W digital power amplifier module, delivering delicate sound quality and powerful output.
- *It supports terminal IP conflict detection and real-time monitoring of terminal packet loss rate; it also supports Dynamic Host Configuration Protocol (DHCP) and static IP configuration.
- *It supports remote firmware upgrades and network-based device maintenance, reducing the workload of personnel.
- *The system adopts a data redundancy encoding and decoding algorithm and supports packet loss recovery function. When the network packet loss is 37.5%, the audio playback is smooth.
- *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
Support Agreement	TCP/IP, UDP, IGMP, ICMP
Audio mode	16bit CD-quality audio
Signal-to-noise ratio	≥ 73 dB
Frequency response	130 Hz ~ 16kHz (+1/-3dB)
Harmonic distortion	≤1%
Operating ambient temperature	-25 °C ~ 60 °C
Working environment humidity	20%–80% relative humidity, no condensation
Input power	~220V 50Hz
Maximum sound pressure	97dB
Output power	20W (MAX)
Dimensions (W×D×H)	97.69×104.59×312mm
Net weight	1.8kg