



## Description

- 1.The device has a built-in high-fidelity professional analog amplifier, and the output power of the device is 350W (this power is measured according to the CEA-2006-B/CEA-490-A standard using a 20ms pulse 1kHz sine wave at 1% total harmonic distortion); it has a constant voltage 100V power output.
- 2.The device has 1 line (AUX) and 1 microphone (MIC) input interface, with independent volume and bass adjustment potentiometer control, and supports local paging function when disconnected from the network. The device has 1 EMC input interface, and the input emergency alarm voice signal is direct-through with the highest priority. The device has 1 audio signal auxiliary output interface, which can be expanded to an external power amplifier and a standard lotus seat interface.
- 3.Equipment treble boost and attenuation:  $\pm 10\text{dB}$ ; Equipment bass boost and attenuation:  $\pm 10\text{dB}$ .
- 4.Device transmission rate: 100Mbps; Device network interface: standard RJ45 input.
- 5.The device uses embedded computer technology and DSP audio processing technology. The device has a built-in network hardware audio decoding module, supports TCP/IP and UDP, and realizes network transmission of 16-bit CD-quality audio signals. Device audio format: MP3; device sampling rate: 8kHz~48kHz.
- 6.The device uses an industrial-grade 3.4-inch LCD display, which can clearly display most dot matrix patterns and machine working status.
- 7.The equipment adopts a standard 19-inch rack design, black anodized aluminum brushed panel, sturdy handles, and professional mechanical assembly process.
- 8.Equipment EMC input sensitivity: 775mV (unbalanced); Equipment AUX input sensitivity: 350mV (unbalanced); Equipment MIC input sensitivity: 5mV (unbalanced).
- 9.Equipment AUX output amplitude: 1000mV 2-way lotus seat output interface; Equipment AUX output impedance: 470 $\Omega$ .
- 10.The device has a three-wire audio-controlled forced-cut output interface, which does not require a forced-cut power supply.
- 11.The device supports one short-circuit input, which can be used to trigger a preset voice prompt (or alarm), or to control the access control linkage input short-circuit signal. Device short-circuit input: dry contact input.



### Features

- 1.The device supports silence intensity preset reduction function and background accompaniment preset function; it supports status light display, including level indicator light, protection indicator light, standby indicator light, etc.
- 2.The device supports infrared function, and can be used with an infrared remote control to on-demand any content in the server program library and control play/pause.
- 3.The device supports remote firmware upgrades for terminals through the broadcast system, eliminating the need to upgrade the terminals locally, thus reducing the workload of maintenance personnel.
- 4.Equipment power consumption: 100W (based on GB4943.1-2022 test method: measured under 1kHz sine wave rated load 1/8 power conditions); Equipment standby power consumption: <10W.
- 5.The equipment is used for program playback and local broadcasting in halls, corridors, outdoor areas, etc.
- 6.The device has built-in intelligent power management. When there is no music or call, it automatically cuts off the power of the amplifier, and automatically turns on the power of the amplifier when there is a signal. It supports IP software programming to pre-turn on the power of the amplifier.
- 7.The device has built-in 3-level priority settings: EMC is the highest priority. Network alarm signals take precedence over MIC, AUX and network background music signals. MIC takes precedence over AUX and network background music signals. AUX and network background music are at the same level, without any priority.
- 8.The equipment is compatible with any network structure such as routers, switches, bridge gateways, modems, Internet, 2G, 3G, 4G, etc. The equipment is a digital product, which is easy to expand and is not restricted by geographical location. It does not require additional computer room management equipment. It adopts the design concept of common network and free line construction, and is easy to install.
- 9.The equipment is installed in the weak current room or sub-control room of each broadcast management area.
- 10.The device has USB playback function and can be connected to a USB flash drive. With the infrared remote control, you can play any song and play the previous song, next song, pause, stop and other functions (or select the panel button operation).
- 11.The device has a built-in high-performance main/backup switching detection module, which can switch to the backup power input within 0.3 seconds when the network is disconnected, the power is cut off, or the device fails.

### Specification

Equipment weight	6.9kg
Device signal-to-noise ratio	> 65dB
Equipment Harmonic Distortion	≤1%
Equipment input power	~220V 50Hz
Device frequency response	80Hz ~ 16kHz +1/-3dB
Equipment working environment temperature	5°C ~ 40°C
Equipment working environment humidity	20% ~ 80% relative humidity, no condensation
Device size	484 x 346 x 88mm
Equipment protection circuit	DC output, overload, over temperature, short circuit protection circuit
The device comes with a 100V constant voltage power backup input interface	It can flexibly form a high-reliability public bell system with one master and multiple backups, multiple masters and one backup, or multiple masters and multiple backups
USB interface	Supports up to 16G memory USB flash drive access