



IP network amplifier terminal T-77650B

Embedded: Digital IP network platform terminal embedding software V2.02



Description

Installed in the weak current room or sub-control room of each broadcast management area, it has a built-in high-fidelity power amplifier and is used for program playback and local broadcasting in halls, corridors, outdoor areas, etc.

Features

- *Standard 19-inch rack design, black aluminum brushed panel, sturdy handle, professional mechanical assembly process, the machine looks very high-end.
- *The industrial-grade 3.4-inch LCD display can clearly display most dot patterns and the machine's working status; it 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, making the operation flexible and simple.
- *The equipment is designed with embedded computer technology and DSP audio processing technology.
- *Built-in 1-channel network hardware audio decoding module, supports TCP/IP, UDP, and realizes network transmission of 16-bit CD-quality audio signals.
- *Built-in high-fidelity professional digital amplifier with 650W constant voltage 100V power output.
- *1-channel line (AUX) and 1-channel microphone (MIC) input interface, featuring independent volume and tone adjustment potentiometers, supporting local paging function without network connection.
- *1-channel EMC input interface, which directly passes through emergency alarm voice signals with the highest priority.
- *1-channel auxiliary audio signal output interface, which can be used to expand external power amplifiers. It features a standard RCA connector, making wiring connections very convenient.
- *1-channel 3-wire audio control override output interface, which does not require an override power supply.
- *Built-in intelligent power management, automatically cuts off the power of the amplifier when there is no music or call, 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.
- *Built-in 3-level priority setting:
 - EMC has the highest priority.
 - Network alarm signals take priority over MIC, AUX and network background music signals.
 - MIC takes priority over AUX and network background music signals.
 - AUX and network background music are at the same level and have no priority.
- *Supports a preset function for reducing silence intensity and a preset function for background accompaniment; includes status indicator lights, such as level indicator, protection indicator, and standby indicator.
- *Compatible with any network structure such as routers, switches, bridge gateways, Modems, Internet, 2G, 3G, 4G, etc.
- *Digital products with easy expansion, not restricted by geographical location, and do not require additional data center management equipment. They adopt a shared network design concept that eliminates the need for line construction, making installation simple.
- *The PA system supports remote firmware upgrades for terminals, eliminating the need to perform local upgrades on the terminals, thus reducing the workload of maintenance personnel.
- *It has USB playback function and can be connected to a USB flash drive. With the infrared remote control, it can play any song and play the previous song, next song, pause, stop and other functions (or select the panel button operation).
- *17. 1-channel short-circuit input can be used to trigger a preset voice prompt (or alarm), and can also be used to control the access control linkage input short-circuit signal.
- *18. Equipped with 1-channel 100V constant voltage power backup input interface, it can flexibly form a highly reliable public bell system with configurations of one master to multiple backups, multiple masters to one backup, or multiple masters to multiple backups.
- 19. It has a built-in high-performance master/backup switching detection module, which switches to the backup power input within 0.3 seconds when the network is disconnected, the power is off, or the machine fails.



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Specification

Network interface	Standard RJ45 input
Transfer rate	100Mbps
Supported agreement	TCP/IP, UDP
Audio format	Mp3
Audio mode	16-bit CD quality
Sampling rate	8 kHz to 48 kHz
EMC input sensitivity	775mV (unbalanced)
AUX input sensitivity	350mV (unbalanced)
MIC input sensitivity	5mV (unbalanced)
AUX output amplitude	1000mV 2-channel RCA output interface
AUX output impedance	470Ω
Treble boost, attenuation	±10dB
Bass boost, attenuation	±10dB
USB interface	Supports up to 16G memory USB flash drive access
Output Power	650W
Power consumption	130W
Standby power consumption	< 10W
Frequency response	80Hz ~ 16kHz + 1/-3dB
Harmonic distortion	≤1%
Signal-to-Noise ratio	> 65dB
Output method	100V constant voltage output
Short circuit input	Dry contact input
Protection Circuit	DC output, overload, over temperature, short circuit protection circuit
Operating environment temperature	5°C ~ 40°C
Working environment humidity	20% ~ 80% relative humidity, no condensation
Input power	~220V 50Hz
Dimension	484 x 346 x 88 mm
Net weight (Kg)	6.9kg

*This power is measured according to CEA-2006-B/CEA-490-A standard using 20ms pulse 1kHz sine wave at 1% total harmonic distortion

* Based on GB4943.1-2022 test method: measured at 1kHz sine wave rated load 1/8 power