



IP network power amplifier terminal T-7760B

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



Description:

Installed in weak power room or sub-control room of each broadcast management area, it has built-in high-fidelity power amplifier, suitable for the halls, corridor, outdoor and other areas of the program broadcast and local radio.

Features:

- *Standard 19-inch rack design with a black anodized brushed aluminum panel, sturdy handles, and professional mechanical assembly craftsmanship, giving the machine a very high-end appearance.
- *Industrial-grade 3.4-inch LCD display that clearly shows most dot matrix patterns and the machine's working status; supports infrared functionality, allowing content from the on-demand server program library to be accessed with an infrared remote control and enabling flexible and simple playback/pause control.
- *With embedded computer and DSP audio processing technology.
- *Built-in 1-channel network hardware audio decoding module supports TCP/IP and UDP, achieving network transmission of 16-bit CD-quality audio signals.
- *Equipped with a high-fidelity professional digital amplifier, featuring a power output of 60W at constant voltage (100V).
- *1-channel AUX line input and 1-channel microphone (MIC) input interface with independent volume and bass/treble adjustment potentiometers, supporting local paging function in case of network disconnection.
- *1-channel EMC input interface, with emergency alarm voice signals passed through, having the highest priority.
- *1-channel auxiliary audio signal output interface for connecting external power amplifiers, featuring standard RCA connectors, making wiring connections very convenient.
- *1-channel three-wire audio control emergency override output interface, no need for power override.
- *Built-in intelligent power management; automatically cuts off amplifier power when there is no music or call, and automatically turns on the amplifier power when there is a signal, with support for IP software programming to pre-open the amplifier power.
- *Built-in 3-level priority settings:
 - EMC has the highest priority.
 - Network alarm signals take precedence over MIC, AUX, and network background music signals.
 - MIC takes priority over AUX and network background music signals.
 - AUX and network background music signals are at the same level with no priority.
- *Supports mute intensity preset reduction functionality and background accompaniment preset functionality; includes status lamp display, such as level indicator, protection indicator, standby indicator, etc.
- *Compatible with routers, switches, bridge gateways, Modems, Internet, 2G, 3G, 4G, and any network structure.
- *Digitized product with easy expansion, location-independent, no need to add equipment for data center management, designed for shared network and installation convenience.
- *Supports remote firmware upgrades for terminals through the broadcasting system, eliminating the need for local upgrades and reducing maintenance workload.
- *Features USB playback functionality with USB drive input; when paired with an infrared remote control, it can play any song along with previous/next tracks, pause, stop, etc. (or select panel button operation).
- *1-channel short-circuit input that can be used to trigger preset voice prompts (or alarms) and can also be used to control access control linkage with short-circuit input signals.
- *Comes with a 1-channel 100V constant voltage power backup input interface, allowing for flexible configuration of one main with multiple backups, multiple mains with one backup, or multiple mains with multiple backups for a highly reliable public ringing system.
- *Built-in high-performance main/backup switching detection module, switching to backup power input within 0.3 seconds during network, power outages, or machine failures.

Specifications:

Model	T-7760B	T-77120B	T-77240B	T-77350B	T-77500B	T-77650B
Network Interface	standard RJ45 input					
Transmission Rate	100Mbps					
Protocol Support	TCP/IP,UDP					
Audio Format	MP3					
Audio Mode	16 bits CD sound quality					
Sampling Rate	8KHz~48KHz					
EMC Input Sensitivity	775mV (Unbalance)					
AUX Input Sensitivity	350mV (Unbalance)					
MIC Input Sensitivity	5mV (Unbalance)					
AUX Output Amplitude	1000mV 2 lotus flower output interface					
AUX Output Impedance	470Ω					
Treble Adjustment Range	±10dB					
Bass Adjustment Range	±10dB					
USB Interface	Maximum support 16G memory USB access					
Rated Power	60W	120W	240W	350W	500W	650W
Power Consumption	30W	50W	80W	100W	130W	950W
Standby Power Consumption	<10W					
Frequency Response	80Hz~16KHz +1/-3dB					
Harmonic Distortion	≤1%					
SNR	>65dB					
Output Method	100V constant voltage output					
Short Circuit Input	Dry contact input					
Circuit Protection	DC output, overload, over temperature, short circuit protection					
Working Temperature	5℃~40℃					
Working Environment Humidity	20%~80% relative humidity, no condensation					
Power Input	~220V 50Hz					
Size	484 x 346 x 88mm					
Weight	6.8kg	6.9kg				