



# IP Network Speaker T-7707BGS

Embedded software: digital IP network terminal embedded software V2.0



## Description:

It is suitable for playing BGM programs in ordinary classrooms, multimedia classrooms, office rooms, conference rooms, prisons, hospitals, subways and other places. Additionally, it can be used for local broadcasting and sound reinforcement.

## Feature:

- \* Professional integrated wall-mounted speaker design, sturdy and durable structure, beautiful appearance, the design concept in line with the principle of sound resonance.
- \* Designed with embedded computer technology and DSP audio processing technology.
- \* Built-in 1 network hardware audio decoding module, support TCP/IP, UDP protocol, realize network transmission of 16-bit CD-quality audio signal.
- \* Built-in 2×20W digital amplifiers, one is connected to the main speaker and the other is connected to the external sub-speaker, providing delicate sound quality, strong power, and network volume adjustment function.
- \* Built-in high-performance main-standby switchover detection module, the main/standby switchover time is less than 0.3S when it is disconnected and powered off, and the standby/main switchover time is less than 0.3S when it is powered on.
- \* With 1 line (AUX) input interface, and independent volume potentiometer control, it supports local paging function when it is disconnected, supports silent intensity preset function, and supports BGM preset function.
- \* It can connect the Bluetooth receiver to receive Bluetooth audio for local sound reinforcement.
- \* Built-in analog audio signal backup module, it supports constant voltage 100V signal input. When the device detects a network failure or the device is powered off, it automatically switches the input constant voltage signal to achieve dual-line redundancy.
- \* Built-in 2.4G wireless audio module, transmission frequency: 2.405GHz-2.485GHz, high fidelity, good anti-interference, realize local amplification of 2.4G wireless microphone. 64K @16bit×2, HDCD sound quality, the best sound quality. Sound latency (<0.5ms). Response frequency: 80Hz~16 kHz.
- \* The 2.4G microphone volume supports volume adjustment function.
- \* To realize encrypted transmission, the receiver supports automatic frequency sweep function, which can easily avoid interference.
- \* It automatically enters the pairing state when it is turned on. After the pairing is done, a prompt tone will sound and it will automatically enter the receiving state.
- \* The connection distance between the controller and the microphone for automatic pairing is  $\leq 3$  meters, and the pairing time is  $\leq 3$  seconds.
- \* Support charging function, and charging management, support working while charging, charging through TYPE-C port, with universal mobile phone charger.
- \* The frequency distance (power) can be set by yourself.
- \* The effective use distance can be up to 30m (related to the use environment).
- \* Built-in 2-level priority settings: The network alarm signal is prior to AUX and network BGM signals. AUX signal is prior to network BGM signal.
- \* Support local AUX and 2.4G wireless audio input local amplification function when it is disconnected.
- \* Compatible with any network structure such as routers, switches, bridge gateways, Modem, Internet, 2G, 3G, 4G, etc.
- \* Digital product, easy to extend, no geographical restrictions, no need to add management equipment in the equipment room, no wiring construction for common network, easy installation.
- \* Support the broadcast system to perform remote firmware upgrade of the terminal, without the need for on-site upgrade of the terminal, reducing the work intensity of maintenance personnel.
- \* With one 485 interface, it can control the volume and priority function through the control panel, as well as check the current network task status of the terminal.



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## Specification:

<b>Model</b>	T-7707BGS
<b>Network interface</b>	Standard RJ45 input
<b>Communication protocol</b>	TCP/IP, UDP
<b>Audio format</b>	Mp3
<b>Sampling rate</b>	8kHz~48kHz
<b>Transmission rate</b>	100Mbps
<b>Audio mode</b>	16-bit CD quality
<b>Output frequency</b>	80Hz~16kHz +1/-3dB
<b>THD</b>	≤1%
<b>SNR</b>	>65dB
<b>AUX input sensitivity</b>	350mV (unbalanced) industry standard terminal blocks
<b>100V constant voltage input</b>	Support
<b>Ambient temperature</b>	5°C~40°C
<b>Relative humidity</b>	20%~80%, no condensation
<b>Power consumption</b>	≤50W
<b>485 interface</b>	Standard Industrial European Terminal Blocks
<b>Input power</b>	~190V-240V 50Hz-60Hz
<b>Dimension</b>	180×190×280mm (L×D×H)
<b>Weight</b>	3.5kg