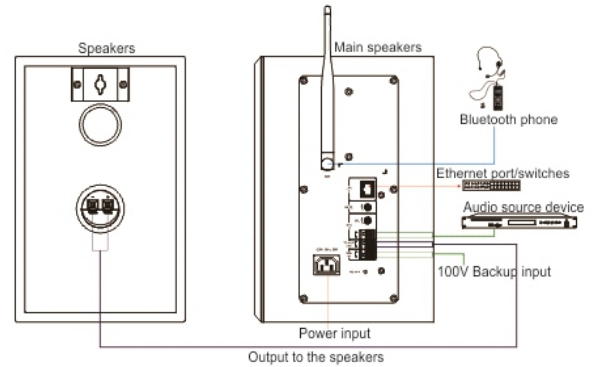




# 2.4G IP network active speakers

## T-7707BM



### Description:

It is widely applied to classroom, multi-media classroom, office, conference room, prison, hospital office, metro, and other places, to broadcast some background music, and to be used as local broadcast.

### Features:

- \* Professional integration wall mounted design, the speaker case designs is conform to sound resonance principle design concept, with excellent appearance.
- \* Adopt embedded computer and DSP audio processing technology
- \* Built-in one network hardware audio decoding module, it supports TCP/IP, UDP, to realize the network transmission of 16-bit CD-quality audio signals.
- \* Built-in 2 channel digital amplifier 2 x 20W , 1 channel to connect main speaker, the other to connect sub-speaker; with smooth and strong sound quality, and network volume setting.
- \* Built in high performance main/standby switching module, Off the net Power failure mian / standby switch time less than 0.3 seconds, Through network power on Main / standby switch time less than 0.3 seconds
- \* With 1 AUX input, independent volume potentiometer control, support offline local. paging function. Support mute volume preset and background music mix output preset
- \* Support connecting with Bluetooth receiver to receive Bluetooth audio for local sound broadcasting.
- \* Built-in 100v signal backup module, it supports 100V signal input to switch into 100V signal in case of network failure or power off, to achieve dual-line redundancy.
- \* Built in with 2.4G wireless audio module, Transmission frequency: 2.405—2.485GHz, HIFI, good anti-interference ability. Support 2.4G wireless microphone for local broadcasting It has the highest 64K @16bit\*2 in the field, and has HDCD sound effect. The sound delayed (<0.5ms).Frequency response: 80—16KHz.
- \* It will enter the pairing status automatically when turn on, after pairing successfully, it will have the prompt tone with indicator light to shift to the receiving status automatically.
- \* Connection distance of automatic pairing between the controller and mic is  $\leq 3$  m, pairing connection time  $\leq 3$  s.
- \* It realizes the encryption transmission and the receiver supports the automatic sweep frequency function to avoid the interference .
- \* 2.4G mic supports volume adjustment function. Built-in microphone reverb function. With laser pointer and PPT flip function.
- \* It has the charging function with charging management, supports charging and working simultaneously, TYPE-C socket for charging, general mobile phone charger.
- \* Built-in MP3 player function, 8GTF memory card. With recording function.
- \* The frequency distance (power) can be set by self.
- \* Working distance up to 10 meters. (depending on usage environment ).
- \* Built-in 2 priority level setting:
  - 1) Network voice alarm has higher priority than AUX and Network BGM.
  - 2) AUX has higher priority than Network BGM.
- \* Support local AUX and 2.4G wireless audio input when network offline, meet the local broadcast requirement.
- \* Compatible with any network structure such as routers, switches, bridge gateways, Modem, Internet, 2G, 3G, 4G, etc.
- \* Digital products with easy extension, no geographic location restriction, no need additional managerial equipment, adopted design concept of common network-free line construction, easy to install.
- \* It supports remote hardware upgrade of the terminal, no need go to upgrade at the local site, to reduce maintenance burdens and make more simple operation.

### Specifications:

|                       |  |
|-----------------------|--|
| Model                 | T-7707BM                                       |
| Network Interface     | Standard RJ45 input                            |
| Support Protocol      | TCP/IP, UDP                                    |
| Audio Format          | MP3  |
| Sampling Rate         | 8K~48KHz                                       |
| Transmission Speed    | 100Mbps  |
| Audio Mode            | 16 bit CD sound quality                        |
| Output Frequency      | 80Hz~16KHz +1/-3dB                             |
| THD                   | $\leq 1\%$                                     |
| SNR                   | >65dB  |
| AUX Input Sensitivity | 350mV unbalanced industrial standard connector |
| 100V Constant voltage | Yes  |
| Operating Temperature | 5°C~40°C                                       |
| Operating Humidity    | 20%~80% Relative humidity, non-condensing      |
| Power Consumption     | $\leq 50$ W                                    |
| Input Power Supply    | ~190-240V 50-60Hz                              |
| Size                  | 180x190x280mm (L×D×H)                          |
| Weight                | 3.5Kg  |