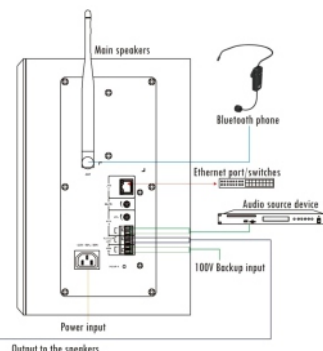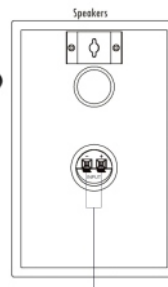# 2.4G IP Network Active Speaker
(With 100V signal backup/with headset mic)
T-7707BG

Application:

It is widely been installed in 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 2-20W , 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 Master / standby switch time less than 0.3 seconds, and the standby/main switching time is less than 0.3 seconds when the network is powered on.
* 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 simulation audio signal backup module, it supports 100V signal input. It can switch into simulation audio signal in case of network failure or power off, to achieve dual-line redundancy.
* Built in with 2.4G wireless audio module, Transmission frequency: 2.4000—2.53MHz, 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.
* 2.4G mic supports volume adjustment function.
* It realizes the encryption transmission and the receiver supports the automatic sweep frequency function to avoid the interference easily.
* 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 ≤3 m, pairing connection time ≤3 s.
* Charging function, with charge management, support to charge when working, TYPE-C socket for charging, general mobile phone charger.
* 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.
* 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-7707BG
Network Interface	Standard RJ45 input
Support Protocol	TCP/IP, UDP
Audio Format	MP3
sampling Frequency	8K~48KHz
Transmission Rate	100Mbps
Audio Mode	16 bit CD sound quality
Output Frequency	80Hz~16KHz +1dB/-3dB
THD	≤1%
SNR	>65dB
AUX Input Sensitivity	350mV (Unbalanced) industry standard connectors
100V Constant Voltage Input	yes
Operating Temperature	5℃~40℃
Operating Humidity	20%~80% Relative humidity, non-condensing
Power Consumption	≤50W
Input Power Supply	~190-240V 50-60Hz
Dimension	190 x 180 x 280mm
Weight	3.5Kg