



## Emergency broadcasting equipment

### T-7780 (Type: YJ2-60QT)



## Description

This emergency broadcasting system includes power management, power amplifier, speaker, microphone and other equipment. It has the characteristics of strong sound directivity, long standby time, large sound pressure level, long transmission distance, flexible movement, and convenient use. It can be used in various emergency places for emergency evacuation notification, emergency alarm broadcasting, etc.

## Feature

- \* Independence: It has the function of wireless intercom. In case of emergencies such as water and power failure, communication interruption, no network, and network disconnection, the wireless intercom microphone can be expanded for voice intercom, and the system can receive intercom signals to implement on-site command call.
- \* Coverage: With audio alarm function, voice reinforcement can cover all places.
- \* Difference: The system comes with 6 switchable alarm signals, which are obviously different from the school's daily bell and broadcast sound, so that the danger avoidance signal, daily broadcast business, and evacuation signal can be independent and clearly distinguished from each other.
- \* On-screen display function: The LCD screen can display the name information of the currently playing audio file.
- \* Timeliness: The visual graphic and text alarm system has five graphic and text alarms such as earthquake, fire, violence, stampede, and drowning, as well as corresponding audio alarm modes. It supports user-defined trigger modes and one-key pause function. Combined with the visual APP, even if when the mobile phone is in no network, disconnected network, or flight mode, it can receive graphic information from emergency broadcasts in a timely manner.
- \* Power management system: It can provide continuous output regulated power supply. In standby mode, the power management system can support the host to work normally for more than 10 hours; it can be connected to 13-30V DC power supply, and supports charging through AC power adapter or photovoltaic equipment.
- \* Power amplifier: The power amplifier has perfect over-voltage protection, over-current protection, under-voltage protection, overheating protection and overload protection to ensure the safety and reliability of the system.
- \* Wireless shouting, recording function and receiving: the system supports on-site shouting through wireless and wired microphones, and the shouting content can be recorded; and it supports FM receiving audio function.
- \* Local audio playback: with USB, TF card interface, the digital player can play MP3, TF card and other audio sources; the LCD screen can display the name information of the currently playing audio file.
- \* Horn speaker: 50W high-power speaker unit with high definition, strong directivity and high sound pressure level is adopted, and the sound pressure at 30 meters directly in front is  $\geq 90\text{dB (A)}$ .
- \* Power display function: The system supports intelligent power management, can work independently, completes the alarm notification, and the power management system can display the current working power value.
- \* Remote control function: support wireless remote control function, one button of the remote control button can trigger the corresponding broadcast for early warning and evacuation.



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- \* Linkage alarm function: support the linkage alarm function of multiple alarm hosts through remote control (optional)
- \* The device has 1 LINE OUT audio output interface, 1 AUX audio input interface, 1 wireless signal audio input interface, 1 standard RJ45 network input interface, 1 USB input interface, 1 TF card input interface, 1 13-30V DC input interface, 1 12V/8A DC output interface, 1 220V AC power output interface, 1 220V power input interface.

### Specification

|   |   |
|---|---|
| <b>Network Interface</b>                                | Standard RJ45 input   |
| <b>Transmission rate</b>                                | 100Mbps   |
| <b>Supporting agreement</b>                             | TCP/IP , UDP  |
| <b>Audio format</b>                                     | Mp3   |
| <b>Audio mode</b>                                       | 16-bit CD quality   |
| <b>Sampling rate</b>                                    | 8KHz~48KHz  |
| <b>Amplifier rated output power</b>                     | 60W; 100V constant voltage  |
| <b>Radio module receiving frequency</b>                 | 76MHz ~ 108MHz  |
| <b>Output power frequency response</b>                  | 80Hz ~ 16KHz +1/-3dB  |
| <b>Harmonic distortion</b>                              | ≤1%   |
| <b>SNR</b>  | ≥68dB   |
| <b>Protection method</b>                                | Over-voltage protection, over-current protection, under-voltage protection, overheating protection, overload protection |
| <b>AUX input sensitivity</b>                            | 350mV (unbalanced)  |
| <b>PTT input sensitivity</b>                            | 10mV (unbalanced)   |
| <b>Input sensitivity of wireless intercom interface</b> | 775mV (unbalanced)  |
| <b>LINEOUT output amplitude</b>                         | 1000mV European terminal interface  |
| <b>LINEOUT output impedance</b>                         | 470Ω  |
| <b>Standby power consumption</b>                        | 10W   |
| <b>Overall power consumption</b>                        | 90W   |
| <b>Working temperature</b>                              | 5°C ~ 40°C  |
| <b>Working environment humidity</b>                     | 20% ~ 80% relative humidity, no condensation  |
| <b>Input power</b>                                      | ~220V 50Hz, DC13~30V (solar photovoltaic panel)   |
| <b>Dimensions (LxWxH)</b>                               | 510×268.2×411.5mm ; 510×268.2×904.5mm ( tie rod extension height )  |
| <b>Weight</b>   | 15kg  |