MAG8621 MAG8622

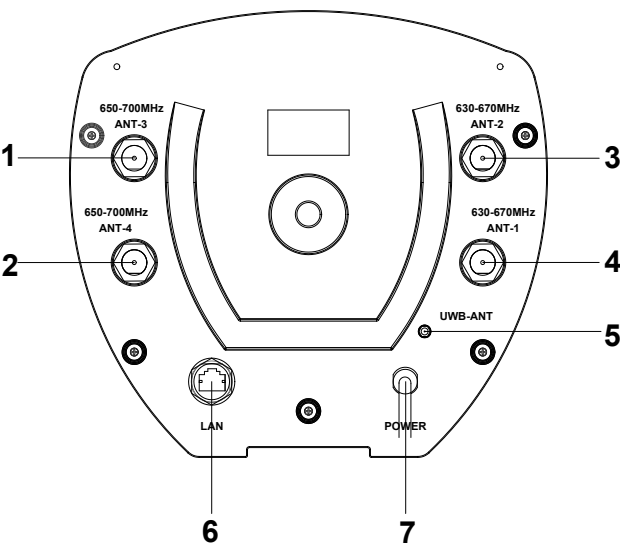# Network Column Speaker

Description

The Network Column Speaker is a fully digital analog-to-digital conversion processor integrated with high-fidelity speakers, operating on TCP/IP protocols. This modern networked terminal features an integrated processor and speaker design, enabling remote audio streaming through local output signals. The built-in dual UHF wireless microphones with true diversity technology extend maximum sound projection distance beyond 150 meters, while UWB high-precision detection ensures optimal coverage. Capable of multi-zone timed announcements and proximity-based automatic interpretation, it serves as an ideal public address system for schools, stadiums, squares, parks, parking lots, train stations, airports, residential complexes, and commercial venues.

Features

- Supports background music, emergency paging, and alarm signals from the main system.
- Utilizes UWB high-precision detection technology with a maximum effective range of 150 meters.
- Features two true diversity UHF wireless microphones that extend sound reinforcement coverage beyond 150 meters.
- Integrated DSP digital audio processor enables 9-band equalization adjustment, while DRC audio algorithm, AGC, and feedback suppression algorithms significantly enhance live sound quality.
- The networked system supports multi-zone scheduled narration, manual narration, and proximity-triggered card-based narration.
- It also allows grouping of narration zones.
- Remote access via the network enables configuration of wireless microphone frequency bands, volume adjustments, and other parameters through the terminal's web interface.
- Equipped with 60W/120W digital amplifiers to meet live sound reinforcement requirements.
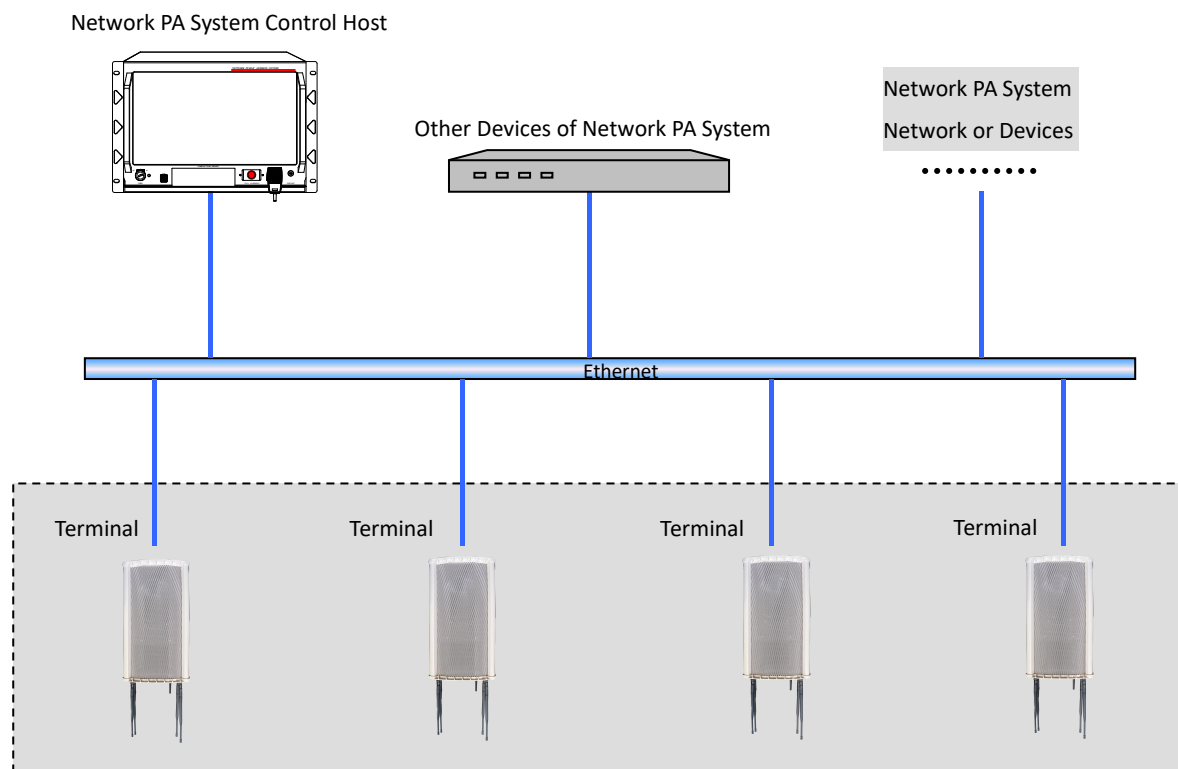
Specifications

Model	MAG8621	MAG8622
Rated Output Power	60W	120W
Mic Output — Input Sensitivity	10±2mV	
Mic Output — Frequency Response	160Hz-12kHz	
Mic Output — Distortion	≤1%	
Mic Output — SNR	≥75dB	
Network Output — Input Sensitivity	10±1dB	
Network Output — Frequency Response	80Hz-16kHz	
Network Output — Distortion	≤1%	
Network Output — SNR	≥75dB	
Packing Dimensions (H×W×L) (mm)	285×315×540mm	285×315×775mm
Product Dimensions (H×W×L) (mm)	230×250×430mm	230×250×665mm
Gross Weight	13.5kg	14.5kg
Net Weight	8.8kg	11.80kg

Appearance Description

1. Communication Band Antenna Interface 3

2. Communication Band Antenna Interface 4

3. Communication Band Antenna Interface 2

4. Communication Band Antenna Interface 1

5. Ultra Broadband Wireless Communication Band Antenna Interface

6. Network Interface

7. Power Input Lead

Schematic Diagram (Take MAG8621 as an Example)

Network PA System Control Host

Other Devices of Network PA System

Network PA System
Network or Devices

Ethernet

Terminal   Terminal   Terminal   Terminal

Note：

① The figure above only explains the connection of the Network Outdoor Zone Explanation Column Speaker in the networked outdoor partition. For the whole system, please refer to the user manual of the Network Outdoor Zone Explanation Column Speaker.

② The figure above is only for illustration. Please refer to the system connection diagram for specific connections.

③ Network Outdoor Zone Explanation Column Speaker. The connection of the sound column in the system must be through a network switch, and the corresponding address should be set to connect with the host.