

POE6080 POE6120 POE6180

Network Outdoor Column Speaker



Description

The Network Column Speaker is a POE-powered speaker system based on the POE 802.3bt power supply standard. It features a built-in DSP digital processor with gain adjustment, volume control, priority adjustment, and 10-band EQ tuning for superior sound quality. All parameters can be configured via a web interface. It is widely used in schools, stadiums, public squares, parks, parking lots, train stations, airports, villa communities, shopping malls, supermarkets, and other venues, making it an ideal choice for public address and sound reinforcement systems.

Features

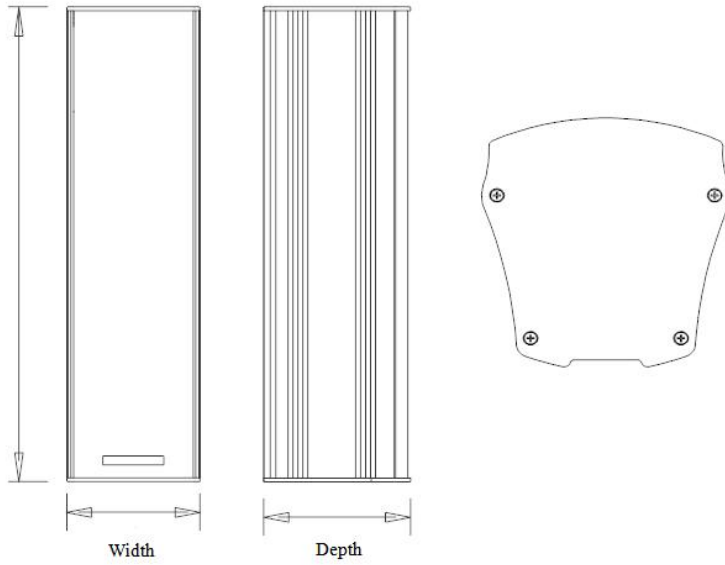
- The speaker power ratings are 80W, 120W, and 180W respectively;
- Supports networked broadcasting functionality;
- Complies with the POE 802.3bt power supply standard and supports external DC 48V power input;
- Compatible with POE 802.3at power supply standard switches, with output power limited to one-third of the rated power;
- Equipped with a built-in DSP digital processor featuring gain adjustment, volume control, priority adjustment, and 10-band EQ tuning;
- All parameters can be configured via a web interface;
- Includes a standard bracket allowing tilt and horizontal angle adjustments;

- Custom digital network interfaces such as DANTE or AES67 can be configured;
- Features a streamlined design with a sleek and aesthetically pleasing appearance, suitable for various venue decorations;
- Utilizes a 4.5" glass fiber cone woofer and a 1" neodymium magnet tweeter combination, delivering a wide frequency response, clear bass layers, and bright, crisp highs;
- Includes a versatile mounting bracket for easy installation;
- Constructed with a sturdy aluminum alloy cabinet and aluminum grille, resistant to deformation and rust.

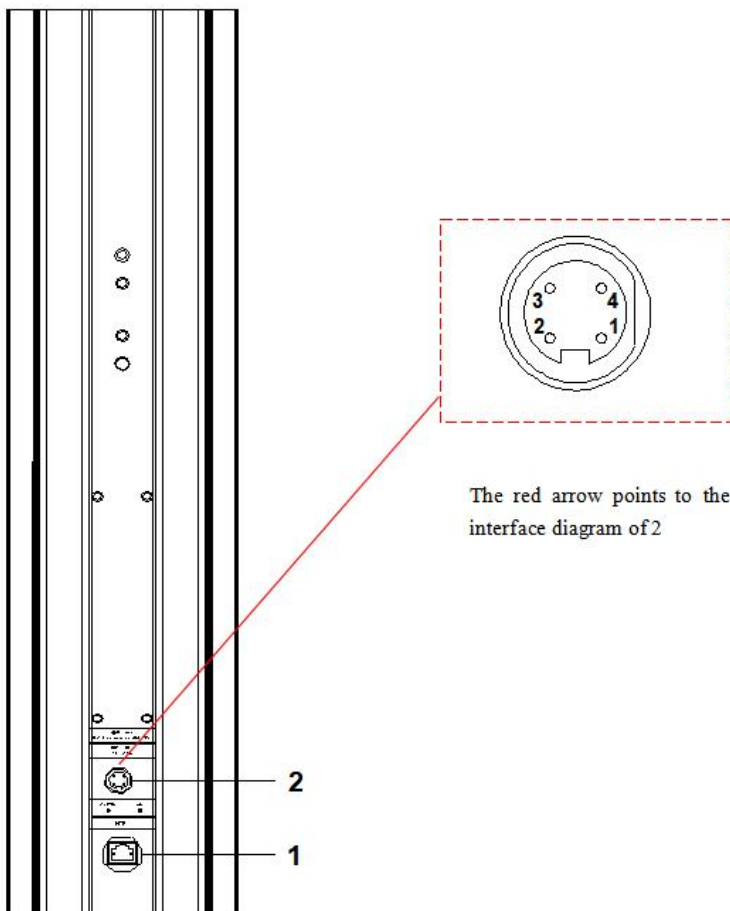
Specifications

Model	POE6080	POE6120	POE6180
Rated Output Power (CEA2006-490Standard 1%@1kHz)	80W	120W	180W
Rated Impedance	4Ω	8Ω	5.3Ω
Power Amplifier Frequency Response	20Hz-20kHz ±3dB (Normal working conditions, rated load)		
SNR	≥80dB 100V Priority input 71≥ (A Weighted)		
Total Harmonic Distortion	≤0.3%(Normal working conditions, 8Ω)		
Input Equilibrium	10 PEQ(±18dB)		
100V Priority Input Sensitivity	100Vrms±5V		
Input Impedance	≥200kΩ		
Power Supply	POE802.3bt (POE++) Standard Power Supply or DC48Vto DC54V		
Recommended POE Switch.	TL-SG1005PB/TP-LINK		
Speaker Unit	4.5"×2, 1"×1	4.5"×4, 1"×1	4.5"×6, 1"×1
Electroacoustic Frequency Response	95Hz-18kHz	95Hz-18kHz	95Hz-18kHz
Maximum Sound Pressure Level	109±3dB	113±2dB	116±2dB
Working Temperature	-40°C to 70°C		
Network Transmission Distance	Use CAT6A network cables, with an optimal length within 80m.		
Outer Packaging Dimensions (L×W×H mm)	732*420*255mm	972*420*255mm	1237*420*255mm
Product Dimensions (L×W×H mm)	610*140*155mm	850*140*155mm	1105*140*155mm
Gross Weight	15.8kg	22.3kg	28.2kg
Net Weight	6.9kg	10.15kg	13.10kg

Product Information

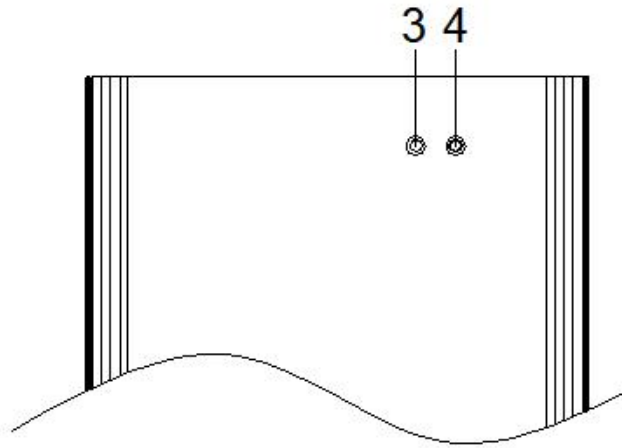


Model	Height	Width	Depth
POE6080	610	140	155
POE6120	850	140	155
POE6180	1105	140	155



The red arrow points to the interface diagram of 2

Rear Interface Diagram



Front Interface Diagram

1. Network Interface

2. DC48V-DC54V Power Supply Interface/100V Line Input Interface

Pin 1 is the negative pole powered by DC52V
 Pin 2 is the positive pole powered by DC52V
 Pin 3 is the negative terminal for the 100V line input.
 Pin 4 is the positive terminal for the 100V line input.

3. Network Light

After power is applied, the blue light illuminates and flashes upon successful communication with the switch.

4. Traffic light and protective light

During normal signal playback, the light illuminates green, indicating it is the signal light.

When the power amplifier malfunctions, it illuminates red, indicating it is the protective light.

Note: POE802.3at power standard switches can also operate normally, with a relatively longer startup time of approximately 1 minute. Please wait patiently.