

## MP6212 MP6224

### 120W 240W Mixer Amplifier with 6 Inputs & DC24V Power



#### Description

The MP6212 and MP6224 are professional integrated mixer amplifiers specifically designed to power medium to large-scale public address systems. Their sophisticated on-board technology supports versatile deployment across numerous scenarios while maintaining a highly competitive price point. Additionally, their user-centric design ensures these amplifiers are exceptionally straightforward to configure and install, eliminating the need for any internal adjustments or aftermarket modifications.

#### Features

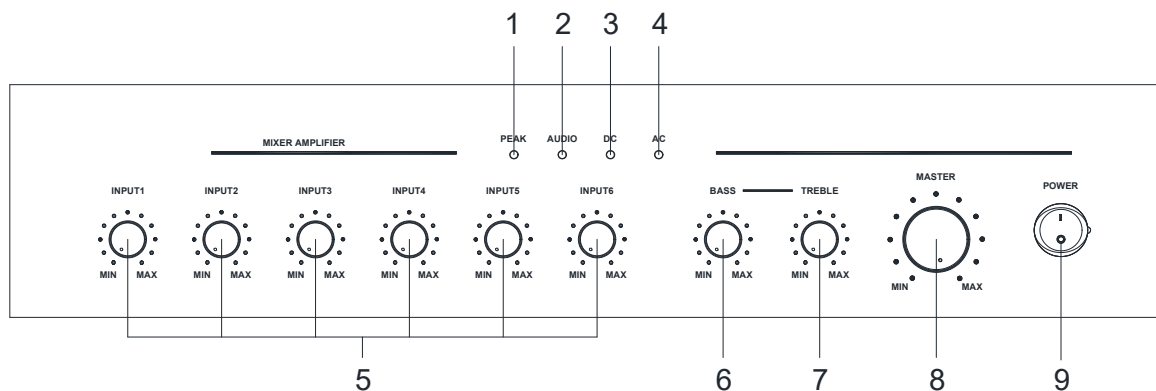
- 5 microphone input channels, 1 auxiliary input channel and 1 fire alarm input channel. MIC1 features the highest priority level, with fire alarm input sharing equal priority.
- A two-tone beep alert is triggered when a short circuit is detected on any MIC1~MIC5 input. All microphone inputs are equipped with switchable phantom power and independent gain controls.
- MIC2~MIC5 inputs operate on a first-in first-out priority basis: subsequent triggers are blocked until the active first trigger is released.
- MIC1 incorporates voice-activated (VOX) functionality.
- Integrated DC24V auxiliary power output.
- Dual power supply compatibility: AC 230V mains and DC 24V backup power.
- Comprehensive protection circuitry featuring output short-circuit, overload and over-temperature protection mechanisms.
- Independent treble and bass tone controls with additional bass boost function.
- Dual-mode speaker outputs: 100V distributed line and 8  $\Omega$  low-impedance.
- Front-panel LED indicators for power status, signal presence and peak clipping.

## Specifications

Model	MP6212	MP6224
Power	AC230V 50/60Hz	
INPUT1~INPUT5 input sensitivity	4.5mV~380mV (adjustable)	
INPUT6 input sensitivity	300mV±10%	
MIC Frequency response range	100Hz~10kHz (±3dB)	
AUX Frequency response range	80Hz~15kHz (±3dB)	
Signal-to-noise ratio (A weighting)	≥80dB	
Distortion	<1% 1KHz	
Treble adjustment range	10dB (±2)	
Bass adjustment range	10dB (±2)	
Rated output power when AC power supply	120W	240W
Rated output power when DC power supply	60W	120W
Port output voltage	8Ω, 100V	
Machine size (D×W×H)	430×300×88mm	
Packing Size	480×422×145mm	
Net weight	7.7kg	9.2kg
Gross weight	8kg	10.7kg

## Front / Rear Panel

### Front Panel



1. PEAK indicator
2. Signal indicator
3. DC indicator
4. AC indicator
5. Input channel volume adjustment knob

Rotate clockwise to increase the volume, and rotate counterclockwise to decrease the volume.

## 6.Low volume adjustment knob

Taking the center position as the reference, counterclockwise rotation is the bass attenuation; clockwise rotation is the boost.

## 7.High volume adjustment knob

Taking the central position as the reference, counterclockwise rotation is the treble attenuation; clockwise rotation is the treble boost.

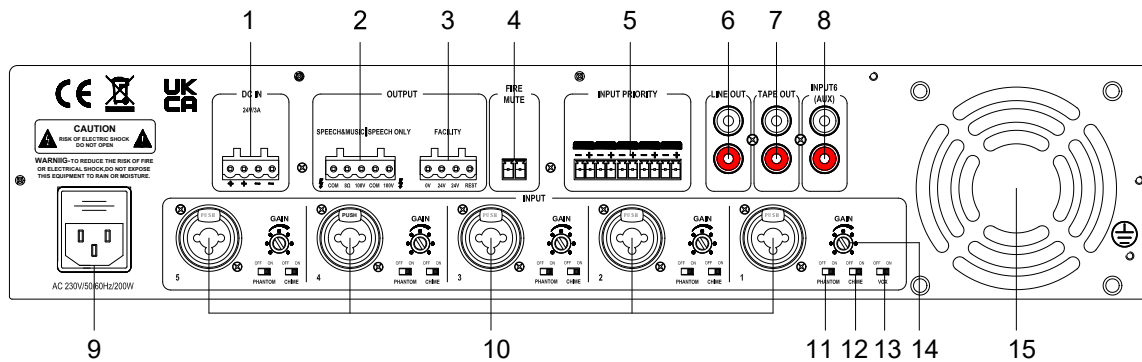
## 8.Master volume adjustment knob

Adjust the level of all signals (except the emergency input signal on the rear panel). Rotate clockwise to increase the volume, and rotate counterclockwise to decrease the volume.

## 9.Power switch

Press in the "I" position to turn on the power, and press in the "O" position to turn off the power.

## Rear Panel



### 1.DC24V input

DC 24V backup power input interface.

### 2.Speaker interface

- SPEECH ONLY output port: only provide output under microphone conditions. (If the corresponding microphone terminal under INPUT priority is short-circuited, the corresponding microphone signal can be output from this port.)
- SPEECH&MUSIC input port: All signal output ports.

### 3.DC24V output port ((Maximum current 250mA))

- 0 24V Terminal: There is always DC24V output.
- 24V REST Terminal: Only any terminal under the short-circuit INPUT PRIORITY can have DC24V output. (Pay attention to polarity!)

### 4. Fire alarm trigger interface (triggered when short circuit)

When the fire alarm is triggered, all signals except INPUT1 are muted.

### 5. 5 lines of microphone priority input

6. Line output port (the output sensitivity is  $1V\pm 0.1V$  under rated conditions).

7. Line output port (the signal is not controlled by the total volume, without adjusting the treble and bass tone, the output sensitivity is  $350mV\pm 50mV$  under rated conditions).

### 8.AUX auxiliary signal input port

### 9.AC230V power input socket

Connect the power plug from this interface. When connecting, please insert the plug on the machine before connecting to the power grid.

10. Microphone input interface (balanced input, single-ended input).

### 11.Phantom power switch

### 12.Chime switch

### 13.MIC VOX switch

### 14.MIC gain adjustment

### 15.Fan