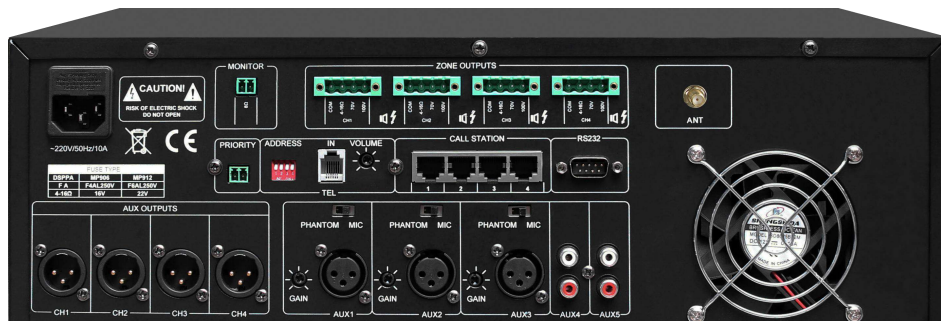# MP906 MP912

Four-Channel Matrix Power Amplifier

Description

MP906/MP912 four-channel matrix power amplifier is a kind of cost-effective professional intelligent address system combining the luxurious and high-grade aluminum-alloy panel with standard and exquisite case with an elegant appearance, and also suitable for household, factory, school, hospital, shop and other commercial application. The amplification system of this equipment is designed with imported power tube, resulting in the strong power, wide frequency band, low noise, high fidelity and quality at the level of performance. In the equipment, there are four channels of power output in order to facilitate the user to access the back-end loudspeaker. With the perfect and reliable DC output protection, overload protection, short-circuit protection, and overheat protection, the safety performance of this equipment is improved. The technical essence of this product is focused on the super adaptability and perfect performance.
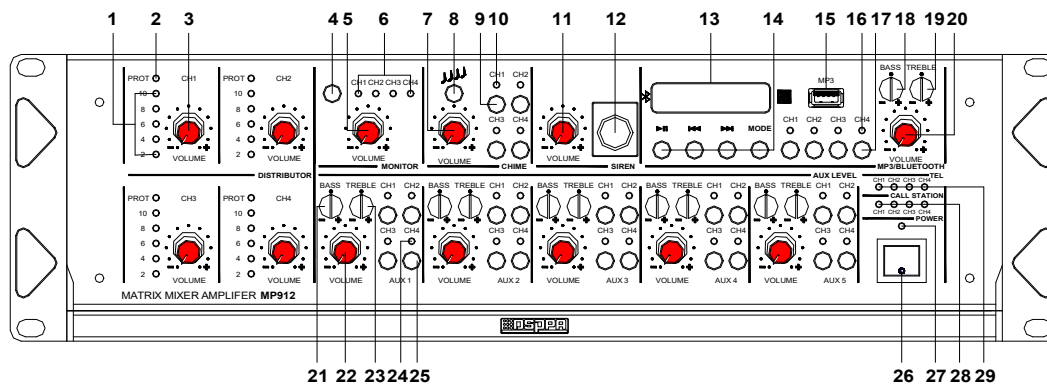
Features

- 2 channels of line input, each of which may adjust the volume and tune independently;
- 3 channels of microphone balanced input, each of which may adjust the gain and tune independently with the optional +48V phantom power supply;
- 4 channels of remote paging microphone inputs (Linking up to 8 devices) and 1 channel of telephone signal input (Adjustable volume); the remote paging microphone is connected to this equipment with the crystal plug, and this equipment is connected to the telephone line with the telephone socket, i.e. this equipment is an slave machine connected to this telephone set;
- Fire alarm signal (Adjustable volume) and bell sound source (Adjustable volume);

- With built-in MP3 module, play mainstream 32G U-disks and the documents in the formats of MP3, WMA, WAV and ACC transferred through the Bluetooth;
- All the sound sources have the function of matrix four-channel output;
- Priority level (Default): AUX1---siren---telephone---remote paging microphone 1, 2, 3 and 4---bell---MP3, AUX2, AUX3, AUX4, AUX5; the priorities of AUXI and telephone are exchangeable through the "PRIORITY" terminal on the rear panel; with regard to the priority, the hard priority is used for siren, telephone and remote paging microphone, and the soft priority is used for AUX 1 and bell; the other remaining sound sources may be mixed into any channel of output simultaneously;
- Four channels of line output;
- Four channels of power output, each of which has its own 4-16Ω terminal, 70V terminal, and 100V terminal;
- The power amplifier has the DC output protection, overload protection, short-circuit protection, and overheat protection;
- LED indication, level indication, and protection indication;
- 1 channel of 1W/8Ω adjustable volume, which is used to monitor the four channels of line output;
- 1 channel of RS232 interface, which is used to expand the computer to control this equipment.

Specifications

Model	MP906	MP912
Rated output power	60W×4	120W×4
Loudspeaker output	4-16Ω, 70V, 100V	
Input sensitivity and input impedance	AUX1, AUX2, AUX3: (3±0.5mV/600Ω) ~ (300±50mV /10KΩ) balanced input; AUX4, AUX5: 300±50 mV /10 KΩ unbalanced input; TEL: 300±50mV /10 K Ω; CALL STATION1, 2, 3: 2000±100 mV/10KΩ balanced input	
Tune	Bass 100Hz ±10±2 dB; Treble 10000H ±10±2dB;	
Frequency response	90Hz~20kHz	
Signal to noise ratio	≥75 dB	
AUX1---4 output level	2000mV±300mV/600Ω balanced output	
MP3	Play documents in the formats of MP3, WMA, WAC and ACC stored in 32GU disk or transferred by Bluetooth	
Dimension of equipment (L×W×H mm)	483×440×132mm	
Dimension of packing (L×W×H mm)	550×550×215mm	
Net weight	25.5kg	28kg
Gross weight	28kg	30.5kg

MATRIX MIXER AMPLIFER MP912

1 Channel CH1 level indicator lamp

Indicate the input level of this channel, and for channel CH2, CH3, CH4 and so on.

2   Channel CH1 power amplifier protection indicator lamp

When using this channel, this indicator lamp is alight, and for channel CH2, CH3, CH4 and so on.

3 Channel CH1 volume adjustment knob

Turn it clockwise to increase the volume, and for channel CH2, CH3, CH4 and so on.

4 Channel monitoring selection key

Press this key to select channel CH1, CH2, CH3 and CH4 in turn, and the corresponding indicator lamp will be alight; in such case, adjust the monitoring volume of this channel.

5 Channel monitoring volume adjustment knob

Press key 4 to select the channel, and then turn this button to adjust the monitoring volume of this channel.

6 Channel monitoring selection indicator lamp

When pressing key 4 to select the channel, the corresponding channel indicator lamp will be alight.

7 Channel bell volume adjustment knob

Press the key 8 to turn on the bell; after pressing the key 9 to select the channel, turn this knob to adjust the bell volume of this channel.

8 Channel bell turn-on key

Press this key to turn on the bell.

9 Channel CH1 bell on-off key

Press this key, and the indicator lamp is alight, indicating that this channel is selected at this time, and then adjust the volume of the channel bell. Press this key against to turn it off, and for CH2, CH3, CH4 and so on.

10 Channel CH1 bell selection indicator lamp

Press the key 8 to turn on the bell; press the key 8 and the indicator lamp is alight, and then select this channel, and for CH2, CH3, CH4 and so on.

11 Siren volume adjustment knob

Turn it clockwise to increase the volume.

12 Siren on-off key

Remove the white transparent shield and press this key to give the alarm.

13 MP3 display screen

Display the playing.

14 MP3 control key

►II

◯: Play/pause;

I◄◄

◯: Previous song;

►►I

◯: Next song;

MODE

◯: MP3 and Bluetooth switching key.

15 USB interface

Support 32UG disk.

16 Channel CH4 playing indicator lamp

When the Channel CH4 is playing MP3 or Bluetooth program, the corresponding channel indicator lamp is alight, and for channel CH1, CH2, CH3 and so on.

17 Channel CH4 program playing on-off key

Press this key and indicator lamp 16 will be alight, indicating that channel CH4 is selected, and for channel CH1, CH2, CH3 and so on.

18 MP3/Bluetooth bass adjustment knob BASS

Adjust this knob with screwdriver.

19 MP3/Bluetooth treble adjustment knob TREBLE

Adjust this knob with screwdriver.

20 MP3/Bluetooth volume adjustment knob

Press key 17 to select the channel so as to adjust the volume of such channel.

21 Auxiliary output AUX1 bass adjustment knob BASS

Adjust this knob with screwdriver, and for AUX2, AUX3

and so on.

22 Auxiliary output AUX1 volume adjustment knob

Press key 25 to select the channel so as to adjust the volume of such channel.

23 Auxiliary output AUX1 treble adjustment knob TREBLE

Adjust this knob with screwdriver, and for AUX2, AUX3, AUX4, AUX5 and so on.

24 Auxiliary output AUX1 channel CH4 indicator lamp

Press the key 25 to select the channel, and this indicator lamp is alight; press this key again, the indicator lamp is off. Repeat the same operation for channel CH1, CH2, and CH3, and for AUX2, AUX3, AUX4, AUX5 and so on.

25 Auxiliary output AUX1 channel CH4 on-off key

Press this key and the corresponding indicator lamp 24 is alight, indicating the channel CH4 is turned on. Repeat the same operations for channel CH1, CH2, and CH4, and for AUX2, AUX3, AUX4, AUX5 and so on.
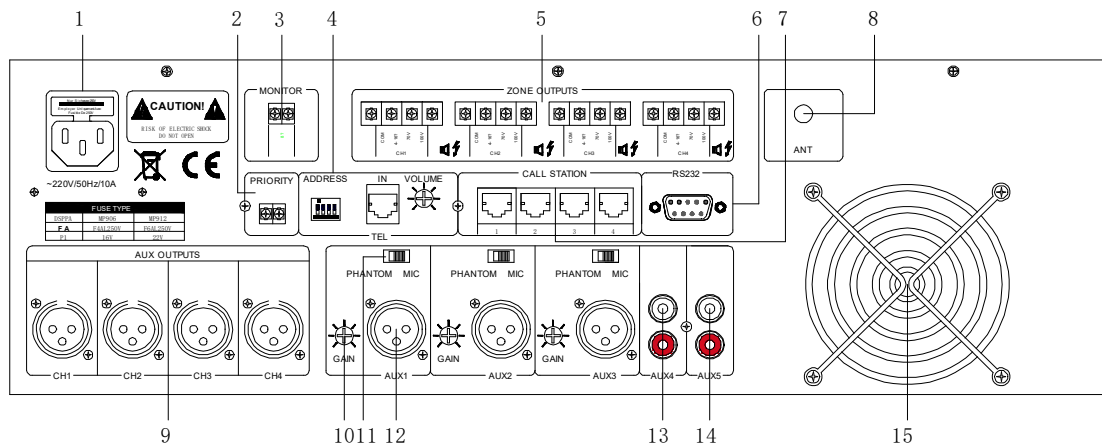
26 Power switch

27 Power indicator lamp

28 Remote paging microphone indicator lamp

Indicate whether the corresponding channel is turned on or not.

29 Telephone signal channel indicator lamp

Indicate whether the corresponding channel is turned on or not.
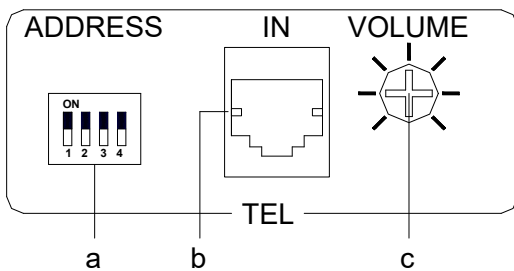

1 Power line socket

Connect ~220V/50Hz power supply.

2 Priority level adjustment terminal PRIORITY (To be defined)

3 Monitoring terminal

1W/8Ω adjust the volume and monitor the output of the four channels of lines.

4 Telephone signal input module

a Address dial-up

b Telephone line socket

c Volume adjustment knob

5 Matrix 4-channel output interface

Four-channels of power output, each of which has independent 4-16Ω terminal, 70V terminal, and 100V terminal. Connect the loudspeaker.

6 RS232 interface (To be defined)

Four remote paging microphone inputs (each channel can only be linked to two).

7 Remote paging microphone interface

8 Wireless remote control receiving antenna interface

Connect the wireless remote control antenna to the interface

9 AUX output interface

4-channel line output.

10 AUX1 input gain adjustment knob

And for AUX2, AUX3 and so on

11 Microphone and phantom power supply switching key

3-channel microphone balanced input, each of which can adjust the gain and volume and tune independently with optional +48V phantom power supply.

12 AUX1 input interface

Connect microphone and other external sound sources, and for AUX2, AUX3 and so on.

13 AUX4 input interface

Connect other external sound sources.

14 AUX5 Input interface

Connect other external sound sources.

15 Fan outlet