

MP6906 MP6912 MP6935

PA System Conference Amplifier



MP6906



MP6912



MP6935



Rear Panel

Description

PA Conference System MP69 Series Amplifier is a PA amplifier series product integrating the equalizer, frequency shift, pre-amplifier and power amplifier. The series provides 4 audio source input ports, 6 microphone input ports, 1 line output port and 4 amplifier output terminals. Among them, the volume of 4 audio source channels can be individually controlled with the channel selection function, the volume of 6 microphones can be controlled independently, and the amplifier output volume can be controlled by the master control. It has 7-band EQ to adjust the output.

MP69 series products have 100 V and 70 V rated voltage output, and P1 output. They are divided into four models based on power, including 60W(MP6906), 120W(MP6912), and 350W(MP6935).

Features

- Convenient and reliable working mode, integrated functional design.
- 4 LINE IN, 1 LINE OUT, 6 MIC IN (Balanced, ungrounded, with 24 V phantom power supply).
- Can automatically detect the input status of 4 audio source channels after powered on, and output the signal with the higher priority first.
- The priority of the 4 audio source channels: AUX1, AUX2, AUX3, AUX4.
- With mute function, easy to override the normal playing.
- Adopt DSP frequency shift processing for the microphone, with frequency shift function.
- With built-in chime generator, adjustable chime output volume.
- With independent volume control for microphones and audio source channels, and master volume control for amplifier output.
- 7-band EQ, easy for adjustment, with EQ/Bypass option for output.
- With 100 V and 70 V rated voltage output, P1 output.

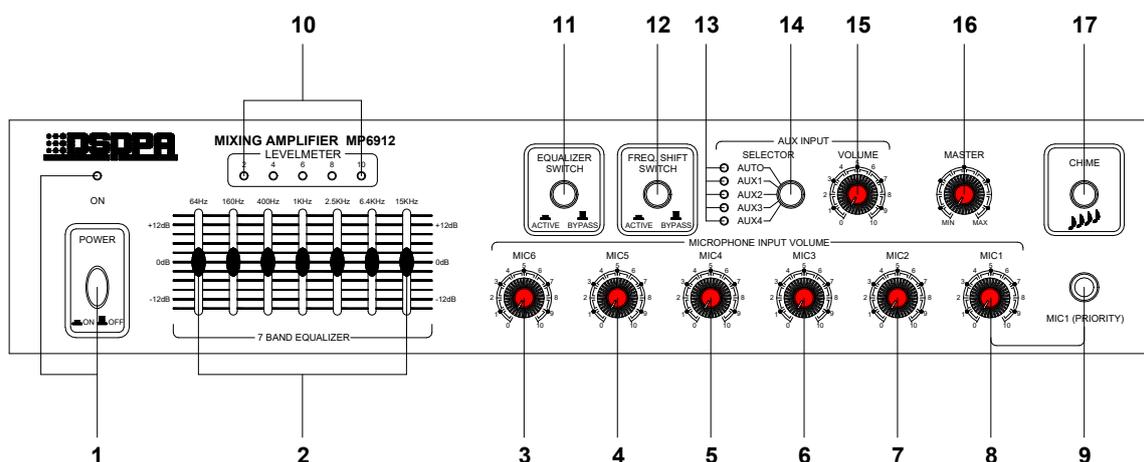
Specifications

Model	MP6906	MP6912	MP6935
Rated Output Power	60W	120W	350W
Output Voltage Regulation	From full load to no load, $\leq 3\text{dB}$		

MIN. EMF.	MIC: ≤3mV (Unbalanced input)		
	MIC: ≤3mV (Balanced input)		
Frequency Response	LINE: ≤300mV		
	80Hz -16KHz (±3dB)		
THD	≤0.5 (1KHz, under normal working condition)		
SNR	LINE: ≥70dB		
	64HZ: ±12dB		
7-band EQ	160HZ: ±12dB		
	400HZ: ±12dB		
	1KHZ: ±12dB		
	2.5KHZ: ±12dB		
	6.4KHZ: ±12dB		
Protection Function	15KHZ: ±12dB		
	DC, overload, short circuit.		
Mute Function	MIC1 and chime input override other inputs.		
Phantom Power	DC24V		
Frequency Shift	0-5Hz higher than the input signal frequency		
Working Power	AC220V/50Hz		
Rated Power Consumption	120W	250W	650W
Package Dimensions (mm)	(L×W×H) 555×455×185		
Machine Dimensions (mm)	(L×W×H) 430×368×88		
Gross Weight	12kg	13.8kg	17.8kg
Net Weight	10.2kg	12kg	16kg

Front / Rear Panel

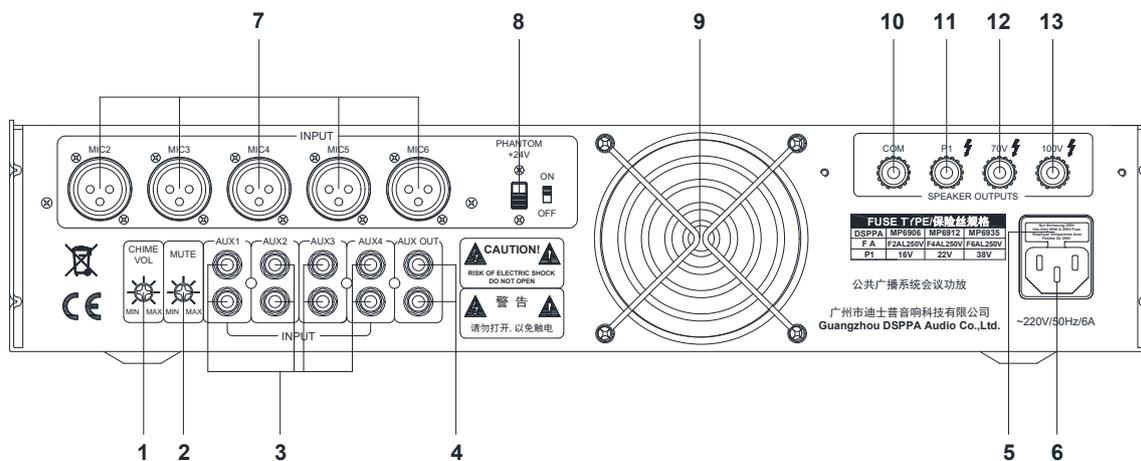
Front Panel



- (1) Power switch and power indicator. Press down the power switch button to turn on the power, and the power indicator will be on when the power is turned on; if press down the power switch button again to pop up the switch, the power is turned off, and the power indicator will be off when the power is turned off.
- (2) 7-band equalizer adjustment fader. Slide the fader up to increase the gain of the frequency band, and slide the fader down to attenuate the gain of the frequency band.
- (3) MIC6 volume adjustment knob. Rotate clockwise to turn up the volume, and counterclockwise to turn down the volume.
- (4) MIC5 volume adjustment knob. Rotate clockwise to turn up the volume, and counterclockwise to turn down the volume.
- (5) MIC4 volume adjustment knob. Rotate clockwise to turn up the volume, and counterclockwise to turn down the volume.

- (6) MIC3 volume adjustment knob. Rotate clockwise to turn up the volume, and counterclockwise to turn down the volume.
- (7) MIC2 volume adjustment knob. Rotate clockwise to turn up the volume, and counterclockwise to turn down the volume.
- (8) MIC1 volume adjustment knob. Rotate clockwise to turn up the volume, and counterclockwise to turn down the volume.
- (9) MIC1 port. With the first priority, it can facilitate to insert an emergent broadcast.
- (10) Output volume level indicator. If the 4th and the 5th indicators of the level meter are normally lit, it means that the output has been clipped and distorted, and the adjustment should be given to the corresponding volume control knob to turn down the volume, making the 4th and the 5th indicators flash.
- (11) EQ/Bypass mode switch. Press down the switch for equalizer adjustment mode; press the switch again to pop up for bypass mode.
- (12) Microphone frequency shift switch. Press down the switch for frequency shift function; press the switch again to pop up for microphone bypass mode.
- (13) Channel status indicator. When the channel selection button selects a certain audio source input channel, the indicator of the corresponding channel will be on.
- (14) Channel selection button. Press the button to select a certain audio source channel to be played. The selection is carried out among AUTO, AUX1 to AUX4 respectively, among which AUTO status is for the auto detection.
- (15) Channel volume adjustment knob. It is used to adjust the volume of AUX1 to AUX4 channels, and the object adjusted depends on the gating status of the channel selection switch.
- (16) Master volume adjustment knob. Rotate clockwise to turn up the volume, and counterclockwise to turn down the volume. This knob can also be used to control the chime output volume.
- (17) Chime output trigger button. Press the button once to trigger the chime output, and it will automatically stop after the string of notes of '1—3—5-- i ' is played.

Rear Panel



- (1) Chime adjustment knob. Rotate clockwise to turn up the chime volume, and counterclockwise to turn down the chime volume.
- (2) Mute adjustment knob. Rotate clockwise to decrease the mute extent, and counterclockwise to increase the mute extent.
- (3) AUX1, 2, 3 and 4 input ports. Those four input ports are all for input line signals, and used to connect the external audio source devices.
- (4) AUX output port. As an auxiliary output port, it is used to connect the external amplifier.
- (5) AC220V power supply fuse. If the fuse is damaged, please use the fuse of same specifications for replacement.
- (6) AC220V power outlet. Please do not pull out or plug in the power plug with power on.
- (7) MIC2, MIC3, MIC4, MIC5, MIC6 sockets. They are XLR sockets.
- (8) 24V phantom power switch. If the switch is turned to "ON", the microphone will have 24V phantom power supply, and if the switch is turned to "OFF", the phantom power supply will be turned off.
- (9) Built-in cooling fan. The working voltage is 12V.

(10) Output common terminal.

(11) P1 output terminal. Can connect several speakers in parallel, but requiring that the total impedance should not be lower than 4Ω.

(12) 70V rated voltage output terminal.

(13) 100V rated voltage output terminal.