

Public Address Power Amplifier

PA-6312





PA-6312 Public Address Power Amplifier

PA-6312 are Inter-M's best-selling commercial PA amplifiers. They are recognized for their ruggedness, reliability and performance. They are the installer's choice for sound reinforcement, background music, paging, and public address systems. Featuring low-distortion, low-noise amplifier electronics circuits which provides a high-output and a high S / N ratio. PA-6312 amps provide a wide dynamic range with excellent headroom. An onboard High Pass Filter protects both amplifier and speakers from damaging transients. A comprehensive thermal/electrical protection circuit ensures long-haul dependability. Thermistor protected output helps ensure overall stability and provides input overload protection. Internal airflow and exceptionally quiet multi-stage fans ensures amplifier cooling. Phoenix-style terminals provides for quick, easy hookup. Models are available in a variety of output power, 120 watts power output in 8/4 ohm low impedance and in 70/100V high impedances output using low-distortion transformers. The PA-6312 offers outstanding versatility, long term reliability, and a remarkable value for any installation application.

/ High power - low noise circuit /

Low-noise, high-output circuit offers better than 95dB signal-to-noise ratio.
120W RMS output power THD (Total Harmonic Distortion) is less than 1%

/ 400Hz HPF (High Pass Filter) /

400Hz, High Pass Filter removes low frequency noise, improves speech intelligibility and protects both amplifier and speakers from damaging transients.

/ -12dB gain adjustment /

Rear mounted trim pot offers -12dB volume adjustment the nominal output.
(Variable output voltage of up to 75%)

/ Output level indicators /

Front panel LED indicates visual changes in output level.

/ Rack Mountable /

Can be rack mounted utilizes 3U of rack mount space or used in a Table Top configuration.

/ High reliability /

Build from high-reliability components ensures ruggedness and long term failure free use.

Front / Rear Panel



1. FAN

Airflow intake multi-stage quiet fans ensures amplifier cooling.

2. PROT (protection circuit indicators)

LED indicator displays if the amplifier protection mode.

3. POWER LED

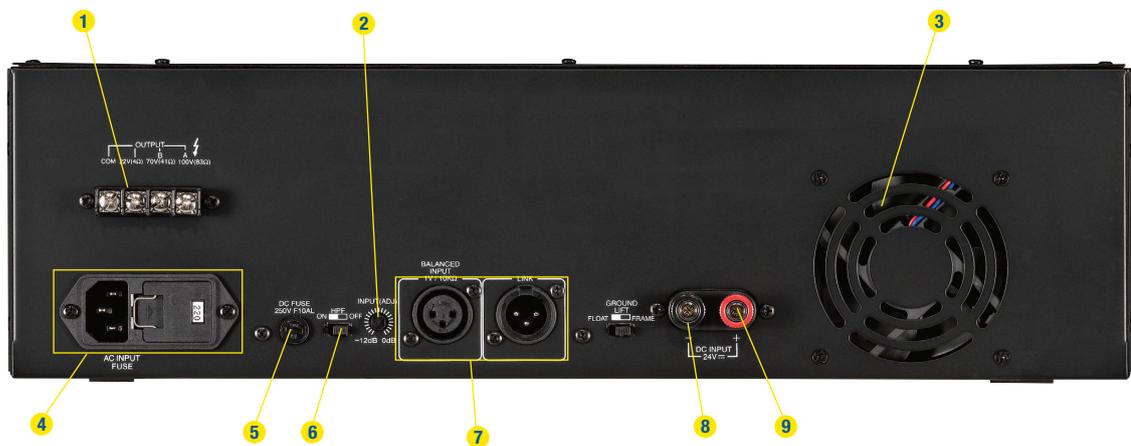
LED indicates power ON / OFF status five times as this unit is lit if the power switch ON and work instructions.

4. OUTPUT LEVEL INDICATOR

LED indicates output power level.

5. POWER SWITCH

An LED indicator confirms power on status of the amplifier.



1. OUTPUT TERMINAL

Allows selection of low impedance, 70.7 or 100 volt high impedance output.

2. LEVEL ADJUST VOLUME

Rear mounted trim pot offers -12dB volume adjustment the nominal output. (Variable output voltage of up to 75%).

3. VENTILATION

Ventilation out-take.

4. AC POWER INPUT

117VAC/60HZ 220 VAC50HZ

5. FUSE

6. HPF Switch

400Hz, High Pass Filter On/off switch

7. Signal input terminal

Phoenix-style terminals

8. Ground Lift Switch

This switch provides for connection or disconnection of the amplifier's ground to AC "earth" ground, to prevent noise from ground loops. Under most circumstances, this switch should be set to FRAME position.

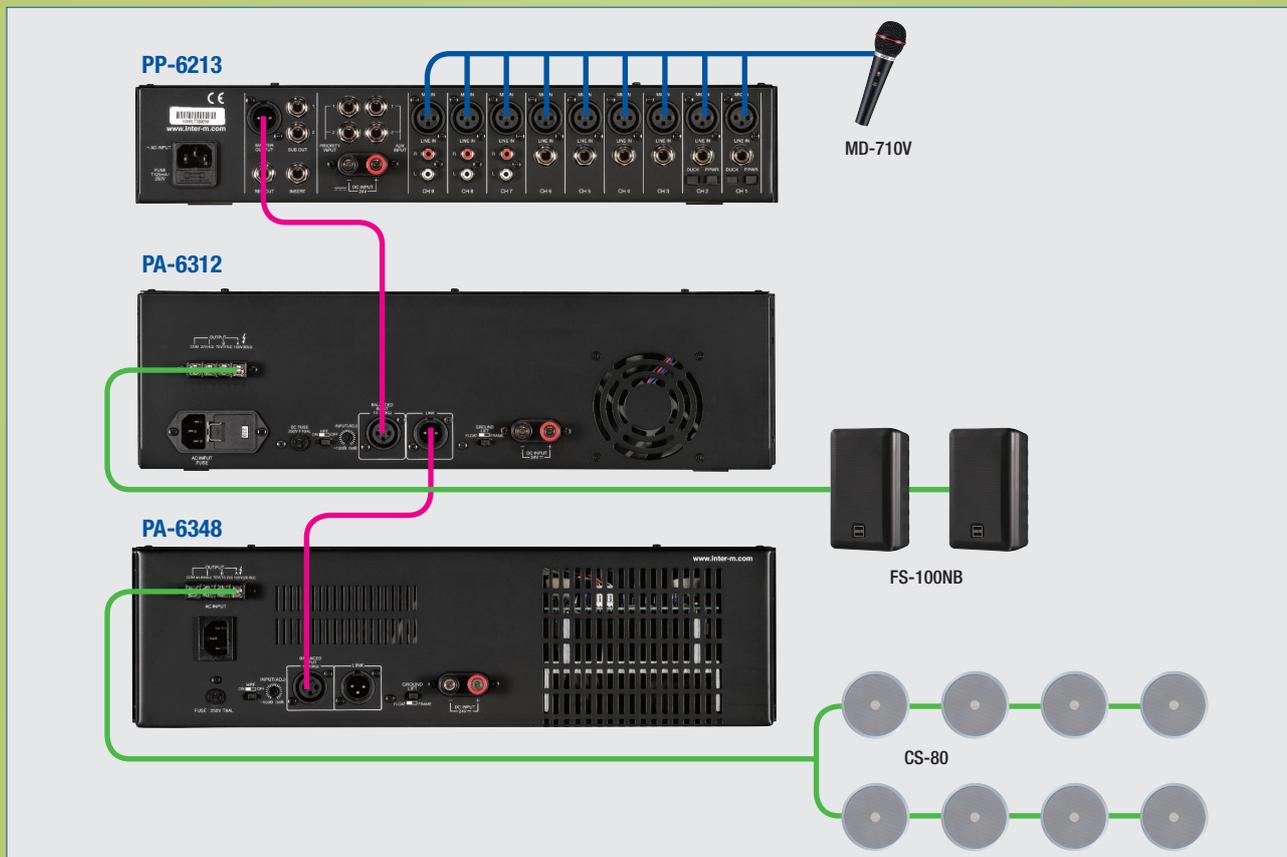
9. 24V DC back up power

These terminals are provided for the connection of backup battery. Connect a 24VDC(100A) battery source to these terminals. Make certain the red terminal is connected to the battery's positive (+) side, and the black terminal to the battery's negative (-) side.

Specifications

	PA-6312
Rated Output Power (THD 5%, 1kHz)	120W
Frequency Response (+1/-3dB)	70Hz-18kHz
T.H.D	Less than 1%
High Pass Filter (400Hz)	-3dB
Gain Control	-12dB
S/N	Better than 95dB
Input Sensitivity / Impedance	1V/10kΩ Balanced
Output Voltage / Impedance	4Ω / 22V
	42Ω / 70V
	83Ω / 100V
Operating Temperature	-10°C ~ +40°C
Power Source	AC 120V ~ 240V, 50 / 60Hz, DC 24V
Power Consumption (1/8 power)	130W
Weight (SET)	14kg / 30.8lb
Dimensions (SET)	482(W) × 132(H) × 280(D)mm / 19(W) x 5.2(H) x 11(D)in

Connection



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※ Design and specification are subject to be changed for the improvement of product quality without pre notice.

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