



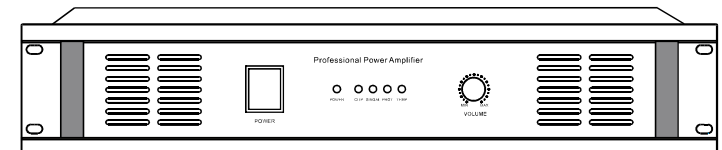
LY International Electronics Co., Ltd

User Manual

COMMERCIAL SOUND SYSTEM



CAUTION: Do not open the equipment cover arbitrarily, so as not to electric shock. Please contact the professionals to maintain if necessary .



**POWER AMPLIFIER
350W/450W/650W**

Operation Notes

- 6.If found voice distortion situation, please do not operate this equipment for long time, this is also a fault alarm message, if use unceasingly ,it may cause overheating and fire.
- 7.To clean equipment, please contact with the dealer, if the dust accumulated in the equipment for long time, it may cause fire or damage.
- 8.Lay this equipment on a stable location, and make a appropriate treatment to prevent falling, otherwise it may cause the equipment falling, and cause injury to persons or damage to equipment and property.
- 9.So as to avoid the inner temperature to rise, the equipment should be 10 centimeter far from the barrier.

Thank you for purchasing the Power Amplifier.
Please carefully follow the instructions in this manual to ensure long, trouble-free use of the equipment.

Accessories

AC power cord 1
 User manual 1
 Audio cable 1
 Warranty card 1

Safety Precautions



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

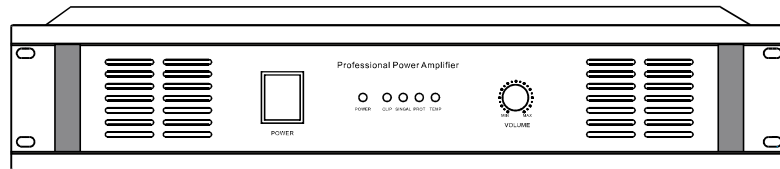


The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

- Before installation or use, be sure to carefully read all the instructions in this section for correct and safe operation.
- Be sure to follow all the precautionary instructions in this section, which contain important warnings and/or cautions regarding safety.
- After reading, keep this manual handy for future reference.



Descriptions & Features

The Series of PA Rackmount Power Amplifiers are designed for background music/paging and public address system installations, these units are exceptional values, loaded with features, and are easy to install in a variety of system designs.

The PA power amplifiers are designed to operate under a variety of conditions without fail, models with much higher power support the conditions where high power level of speakers or group of speakers are needed.

The power amplifiers features one line input or one line output, 360/460/660 watts available with either 70/100-volt or 4 to 16 ohms(Ω) loads, And features many of the same comprehensive protection circuits typical, complete protection is provided for output short circuit, overload, high temperature, peak current limiters.

- ※ RCA and XLR socket for convenient link.
- ※ 70V, 100V and 4~16 Ω outputs.
- ※ Output short circuit, overload, high temperature protection and alarm.

Safety Notes

All audio inputs should connect to the XLR or RCA 6.35mm connector. Output terminals on the rear panel may use banana plug or the spade lug to connect the speakers - black is ground; red is hot.

Using the 70V or 100V speaker outputs requires that the total load of the speakers is less than the rated power of the amplifier.

Speakers without transformers can be connected to the 4-16 Ohms terminal. Ensure that the speaker network's impedance matches 4-16 Ohms.

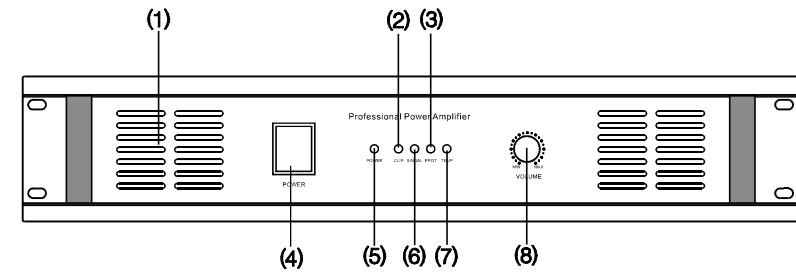
Operation Notes

1. This equipment has passed the strict inspection, however, you should turn off the power, pull out the power plug when discover some following anomalies in case, and contact the dealer.
 - A. If smelled smoke and peculiar smell which set out from the equipment.
 - B. If water or any metal immerge or fall into the equipment.
 - C. If the equipment fell or the shell damaged.
 - D. If the power cable damaged.
 - E. If the equipment failed.
 - F. If the equipment distorted badly.
2. This equipment contains high voltage components, please do not arbitrarily open, so as not to cause fire or electric shock, if need to maintain, please contact dealer or professionals to handle
3. Do not lay liquid container or metal on the equipment top, if they fall into the equipment, it may cause fire or electric shock
4. Do not fall metal or flammable object into the ventilation slot, so as not to cause fire or electric shock. Do not touch the power plug when thundering and fulmination, so as not to cause injury of electric shock .
5. Do not lay heavy object on the equipment top, so as to avoid falling or damage, and even cause injury to persons or damage to equipment and property, in addition, heavy object falling itself may cause injury or damage.

Installation Notes

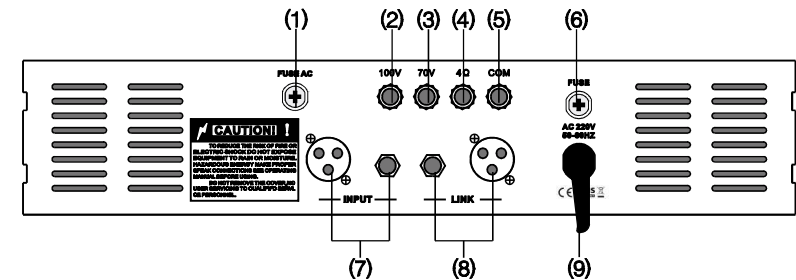
- 1.This amplifier is used in PA system, should be located in the good ventilation place, do not lay in the surrounding of high temperature.
- 2.Do not expose the equipment under the rain or the surrounding with water and other liquid, so as not to cause fire or electric shock.
- 3.Please use under specified voltage(AC220~240V,50/60Hz).It maybe cause fire or electric shock when the voltage value higher than the specified.
- 4.Do not cut off or change the power cable, so as not to cause damage, additional, do not let the power cable near the heater, also do not lay the heavy object which include the equipment on the cable. so as not to cause fire or electric shock.
- 5.After finishing speaker connection, please be sure to recover the protection cover in the output port. because it can reach to 100V output voltage in the output port, so do not touch the these ports, so as not to be electric shock. And these ports can not as the power of other equipments.
- 6.Do not install or lay this equipment on the location of instability, such as shaking or skew of the table, lest equipment falling and causing injury to persons or damage to equipment and property.
- 7.If the hand is wet, please do not use hand directly to insert or pull out the power plug, it may cause electric shock.
- 8.If you want to pull out the power plug, be sure to hold the plug, do not hold cable. when the power cable damaged, using this equipment maybe cause fire or electric shock.
- 9.If you want to move the equipment, please be sure to pull out the plug from the socket.
- 10.Do not block the ventilation place on the equipment shell , otherwise it may cause internal overheating and fire.
- 11.Do not install this equipment in the place where has humidity, more dust, direct sunlight, heater, soot, vapor, otherwise it may cause fire and electric shock.

Front panel



- | | | |
|--------------------------------------|---------------------|--------------------------|
| (1) Ventilation Outlet | (2) CLIP Indicator | (3) Protection Indicator |
| (4) Power Switch | (5) Power Indicator | (6) Signal Indicator |
| (7) Temperature Protection Indicator | (8) Volume Control | |

Rear panel

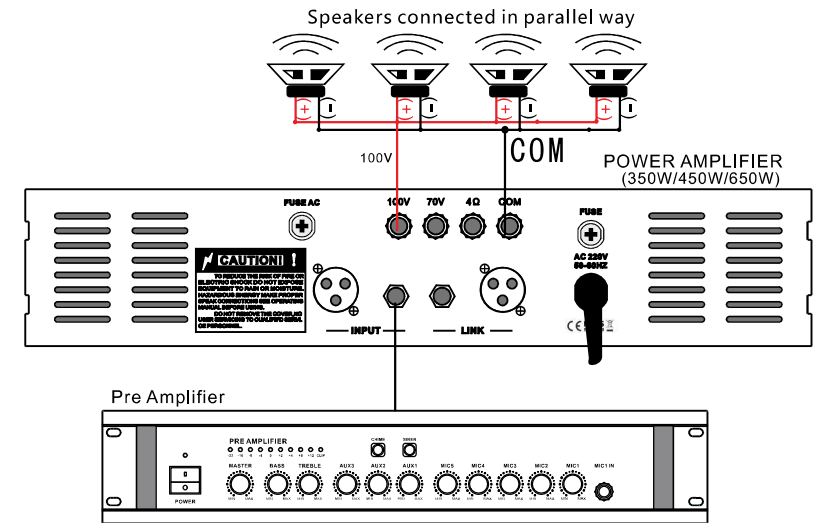


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|----------------------|-------------------|--------------------|
| (1) Transformer Fuse | (2) 100V Terminal | (3) 70V Terminal |
| (4) 4-16 Terminal | (5) COM Terminal | (6) AC Power Fuse |
| (7) Signal Input | (8) Signal Output | (9) AC Power Inlet |

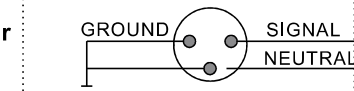
Specifications

Model Number	PB-8360	PB-8460	PB-8660
Rated Power	350W	450W	650W
Output Terminals	Low impedance:4-16 ohms(Ω)		
	350W	Voltage line:70V(13.6 ohms(Ω)) 100V(27.8 ohms(Ω))	
	450W	Voltage line:70V(10.7 ohms(Ω)) 100V(21.7 ohms(Ω))	
	650W	Voltage line:70V(7.4 ohms(Ω)) 100V(15.1 ohms(Ω))	
LINE Input	10k ohms(Ω) < 1V ,unbalanced		
AUX Output	10k ohms(Ω) 0.775V (0 dB) ,unbalanced		
Freq. Response	60 Hz ~ 15k Hz (\pm 3 dB)		
THD	<0.5% at 1kHz,1/3 of rated power		
S/N	>70 dB		
Damping Factor	200		
Controls	Volume control,power switch		
Cooling Fan	DC 12V FAN		
Indicator	AC: 'POWER' , 'CLIP' , 'SIGNAL' , 'PROT' , 'TEMP'		
Protection	AC FUSE \times 10A	AC FUSE \times 12A	AC FUSE \times 15A
	AC FUSE \times 1,short circuit,overload,high temperature		
Power Cord	(3 \times 1.5 mm ²) \times 1.5M (Standard)		
AC Power	AC220V~240V 50-60Hz		
Consumption	485W	620W	880W
Dimension	89(H) \times 483(W) \times 366(D) mm		
Packing Size	185(H) \times 520(W) \times 435(D) mm		
Net Weight	15.12kg	17.66kg	19.74kg
Gross Weight	16.76kg	19.3kg	21.36kg

Connection Illustration



3-pin XLR Connector



Important:

Select only one output terminal 70V,100V or 4-16 Ohms. Never use two "hot ends" to join together. If other outputs are needed,please use the LINK output to connect another power amplifier.