

Lannge®

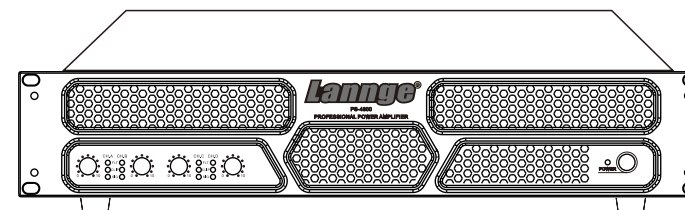
LANNGE ELECTRONICS CO.,LTD

TEL:+86-750-7177333 FAX:+86-750-7177330
<http://www.lannge.com>

Lannge®

MODEL:PS-4800

OPERATION MANUAL



Thank you for purchasing the product, in order to make better use of your product, please read this owner's manual carefully before using.

CONTANT

I .Brief Introduction.....	2
II .Main Features.....	2
III .Component Names.....	3
IV .Working Mode.....	4
V .Connecting Instruction.....	6
VI .Installation Dimensions.....	6
VII .Technical Specification.....	7
VIII .Caution.....	8

I. Brief Introduction

Thank you for purchasing the professional power amplifier of our company. The transistor amplifier is designed by our professional experienced engineer, not only show the performance advantages of transistor without reservation, but also keep the design style of durability and reliability of traditional amplifier. The product is keeping sells well in the market because of its enough thrust, strong control, high resolving power.

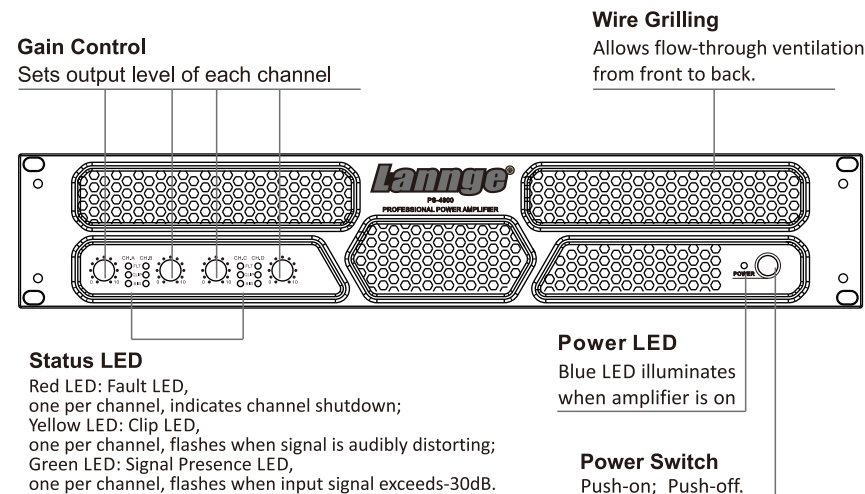
The product is suitable for large stage performances, pubs, large conference rooms, all kinds of performance karaoke room, conference room, multifunctional theater and family entertainment etc. By reducing the sound coming out of the amplifier, whether deduce symphony, folk songs, or DISCO music, it can give you immersive feeling, this product is definitely an expert in the field of pro-audio, wish you will enjoy it.

II. Main Features

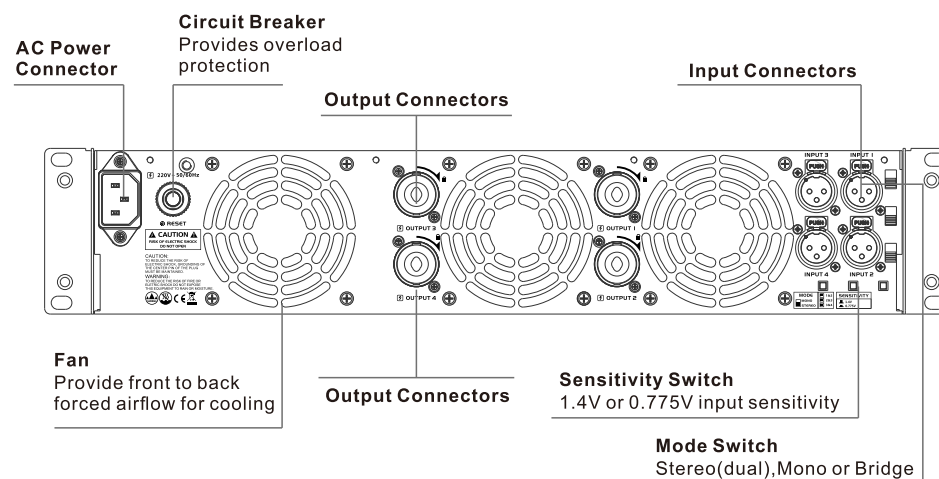
1. Fashion front panel is made of aluminums alloy with metal wiredrawing craft surface treatment;
2. Sturdy steel case can shield the electromagnetic interference from outside;
3. Strong multi-protection mechanism including radiating protection, short, circuit protection, switch delay protection;
4. 4 channels output and 800W rated power of per channel can achieve driving bass, mellow alto and clear treble;
5. Multistage power transmission combines H technology and topology will led to clear and driving sound, and reduces electric consumption;
6. Design of optimized switching power supply makes the amplifier smaller and easy to be installed;
7. High quality connectors guarantee perfectly signal transmission by firming conjunction;
8. It's suitable for large stage performances, pubs, KTV rooms and conference halls etc.

III. Component Names

Front Panel Features



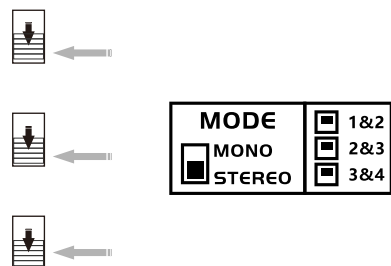
Back Panel Features



IV. Working Mode

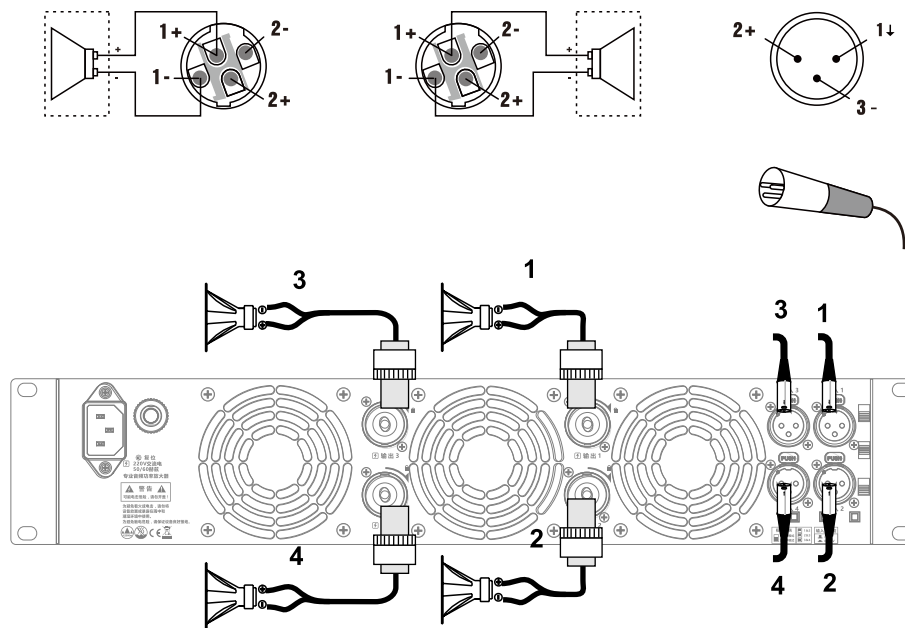
Stereo(Dual) Wiring Using the Speakon Connectors

the back panel illustrate



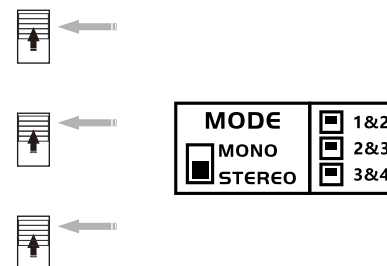
see the below figure, and set the Output Mode Switch to STEREO

the Speakon connectors



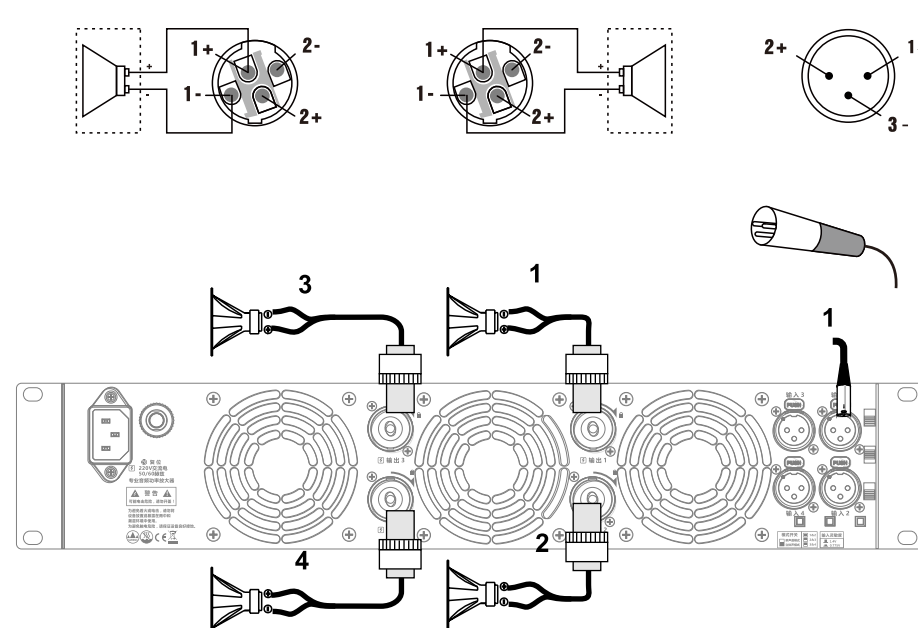
Mono Wiring Using the Speakon Connectors

the back panel illustrate

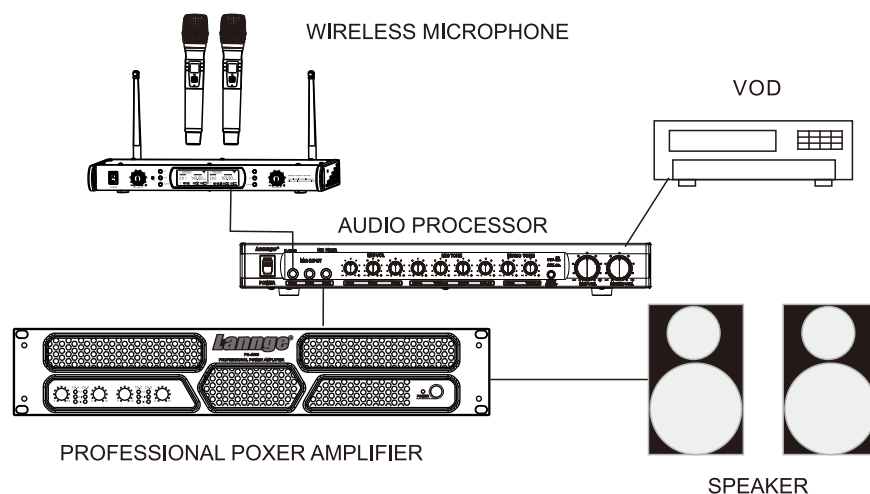


see the below figure, and set the Output Mode Switch to MONO

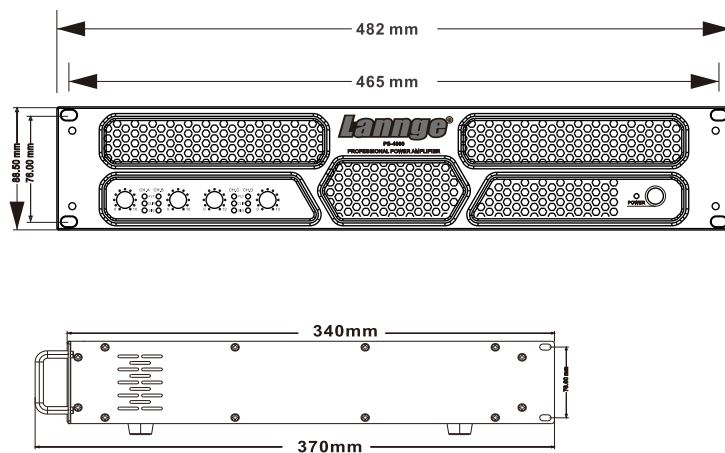
the Speakon connectors



V. Connecting Instruction



VI. Installation Dimensions






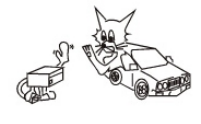


VII. Technical Specification

Guaranteed Minimum Power		PS-4800
8 ohm stereo(per channel) (1kHz(EIA) with 0.5% THD)		800W x 4
4 ohm stereo(per channel) (1kHz(EIA) with 0.5% THD)		1100W x 4
Performance		
Frequency Response(at 1 Watt)		20Hz-20kHz, +0/-1dB
Total Harmonic Distortion(THD)		<0.5%, 20Hz-20kHz
Intermodulation Distortion(IMD) 60Hz and 7kHz at 4:1, from full rated output to -30 dB		≤ 0.35%
Slew Rate		>10V/us
Voltage Gain		38.3dB
Damping Factor(8 ohm), 10Hz-400Hz		>200
Signal-to-Noise Ratio (below rated power, 20Hz to 20kHz, A-weighted)		>100dB
Crosstalk(below rated power) At 1 kHz		-75dB
At 20 kHz		-59dB
Input Sensitivity for full rated power at 8 ohm		0.775V or 1.4V
Input Impedance(nominal) Balanced		20k ohm
Unbalanced		10k ohm
Connectors, Controls and Indicators		
Input Connectors		One balanced XLR per channel
Output Connectors(Speaker Connectors)		4-POLE Speakon per channel
Front Panel Controls		Power on/off switch, one gain control per channel
Rear Panel Controls		Power on/off switch, one gain control per channel Input sensitivity switch: 0.775V or 1.4V
Power Indicator		One red LED of work
Signal Indicator		One green LED per channel
Clip(peak) Indicator		One yellow LED per channel
Fault Indicator		One red LED per channel
Construction		
Protection		Protection against short circuits, no-load, on/off muting, Rf interference. Stable into reactive or mismatched loads
Ventilation		Flow-through ventilation from front to back
Cooling		speed regulated, thermal protection
Dimensions(WxHxD)		482x88x300mm ³
Net Weight		11.5Kg
Shipping Weight		12.5Kg

VIII. Caution

The company reserves the right to improve the product without prior notice. Pictures in this manual are for reference only, please take actual product as standard.

	<p>Inside the triangle, the flash is to warn user that the equipment has danger voltage inside, please ensure the equipment connect the ground wire and operate carefully during using.</p> <p>The exclamation mark is important operation, to remind user to completely follow this manual when using the equipment.</p>
	<p>The equipment uses high voltage component. In order to avoid electric shock, please do not open it to check or modify. If the equipment performance degrades or burned due to the user's modification or misuse, it is not covered by product quality warranty.</p> <p>Please keep the environment be ventilated, the vent should not be covered by sundries such as newspapers, tablecloths or curtains. If machine cabinet installation, please keep the distance of at least 10 cm between each vent.</p>
	<p>When plugging in the power cord or unplugging, please do not touch metal contacts. Do not touch power line when your hand is wet. Do not put the power line under the equipment and furniture. Do not bind the power line to others. Keep the power line away from the place where people often walk.</p>
	<p>If any noise or peculiar smell found when using the machine, please turn the power off immediately and unplug the power line. Do not open it. Please contact AGENCY or OMC for maintenance. When the maintainer maintains the product, internal electronic components of the products can only use the ones of same specifications for replacement.</p>
	<p>Do not put the metal objects such as iron nail or coins into the product from the vent or other opening, which will cause electric shock and fire. Please do not expose the machine to the rain or damp places. Do not put the vase or fish bowl etc on it. If any water or a foreign matter accidentally gets into the machine, please contact OMC or AGENCY for maintenance.</p>
	<p>To prevent fire accident, please turn off the power and unplug the power line when not using the equipment for long time.</p>