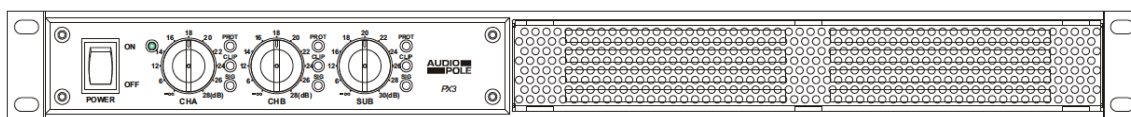


AUDIO POLE

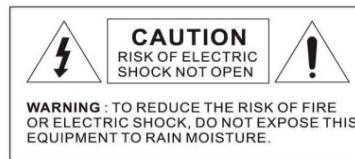
PX3

PROFESSIONAL POWER AMPLIFIER



USER'S MANUAL

Important Safety Instructions



This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages within the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.



This symbol, wherever used, alerts you to important operating and maintenance instructions.

POWER SUPPLY

Ensure that the insource voltage (AC outlet) matches the voltage rating of the product. Failure to do so could result in damage to the product and possibly the user. Unplug the product before electrical storms occur and when unused for long periods of time to reduce the risk of electric shock or fire.

EXTERNAL CONNECTION

Always use proper ready-made insulated mains cabling (power cord). Failure to do so could result in shock/death or fire. If in doubt, seek advice from a registered electrician.

DO NOT REMOVE ANY COVERS

Within the product are areas where high voltages may present. To reduce the risk of electric shock do not remove any covers unless the AC mains power cord is removed. Covers should be removed by qualified service personnel only. No user serviceable parts inside.

FUSE

To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder. Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

PROTECTIVE GROUND

Before turning the unit on, make sure that it is connected to Ground. This is to prevent the risk of electric shock. Never cut internal or external Ground wires. Like wise, never remove Ground wiring from the Protective Ground Terminal.

OPERATING SAFETY INSTRUCTIONS

Read these instructions. Follow all instructions. Keep these instructions. Do not discard. Heed all warnings. Only use attachments/accessories specified by the manufacturer.

POWER CORD AND PLUG

Do not tamper with the power cord or plug. These are designed for your safety. Do not remove Ground connections! If the plug does not fit your AC outlet seek advice from a qualified electrician. Protect the power cord and plug from any physical stress to avoid risk of electric shock. Do not place heavy objects on the power cord. This could cause electric shock or fire.

SERVICING

Refer all servicing to qualified service personnel only. Do not perform any servicing then those instructions contained within this User's Manual.

DISPOSAL



This symbol indicates that the disposal of this product is submitted to local regulations. Please contact your local dealer.

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1

Introduction

Thanks for the acquisition of the PX3 AUDIPOLE. This three channel power amplifier has been developed to drive two satellites and one subwoofer in fixed installations requiring limited space in the bays.

The PX-3 has a high efficiency thanks to his Class-D technology and can deliver 2 x 150 W RMS / 4 Ohms and 1 x 220 W RMS / 4 Ohms. It also works securely with 2 Ohms loads.

2

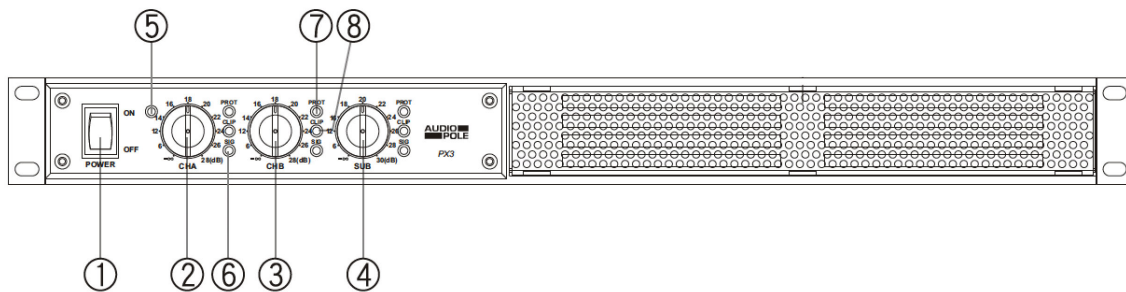
Main Features

- Class-D,
- 2 x 180 W / 4 Ohms + 1 x 220 W / 4 Ohms,
- Balanced inputs on Euroblock connectors,
- Speaker outputs on Euroblock connectors,
- 1U rack,
- 4.5 kg

3

Functions

FRONT PANEL



1 – POWER

Power switch.

2, 3 & 4 – Volume

Volume controls.

5 – POWER ON

Power indicator.

6 – SIG

Signal indicator.

7 – PROT

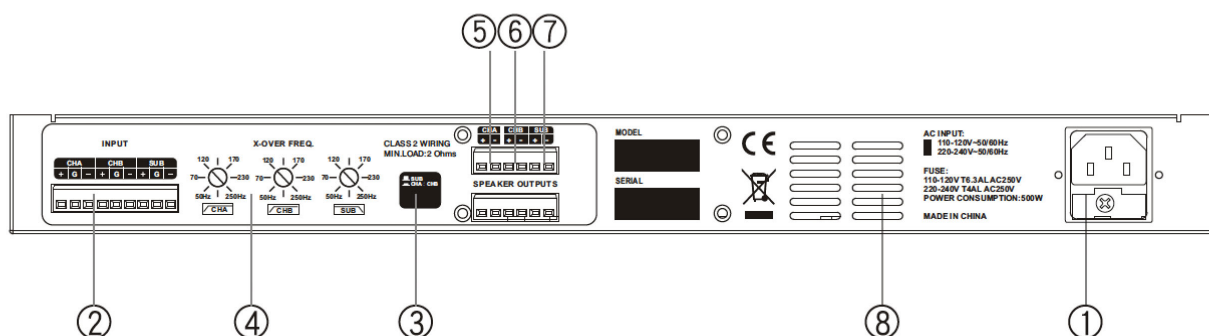
Protection indicator. If the amplifier fails, the Led lights up, the output being automatically muted. Check the cable connection between the amplifier and the speakers. Also check that the vent grille is not obstructed. If the amplifier is installed into a bay, there is a risk that the cooling is not sufficient and the temperature can raise to the upper limit level where the protect mode is triggered.

8 – CLIP

Clipping indicator. The Led lights up as soon as the distortion rate exceeds 0.5%. The input level is too high and it is necessary to decrease the volume.

3 Functions

Back Panel



1 – Mains and fuse

Power supply socket. Make sure that the cable plug is correctly inserted in the socket.

The compartment located below the socket contains the fuse. In the event of change, it is imperative to use a fuse with identical electrical characteristics under threat of damage to the unit.

2 – Input connectors

Euroblock balanced inputs

3 – MODE

Mode selector:

In case the input signal is already filtered and the three channel including the SUB are already available, use the selector on position SUB. Every channel will be amplified without any filtering.

If the input signal (stereo) needs a separate amplification for the low frequencies, push the selector on position CHA + CHB. The device filters and amplifies signal A + B to feed the Subwoofer with the low frequencies only.

4 – X-OVER FREQ

Cut off frequency selectors for hi-pass (CH A, CH B) and low-pass (SUB) filters. The value can be set from 50 Hz to 250 Hz.

5, 6 & 7 – Speakers connectors

Euroblock speakers output.

8 – Vent grille

Check that the vent grille is not obstructed.

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Applications

Inputs connections

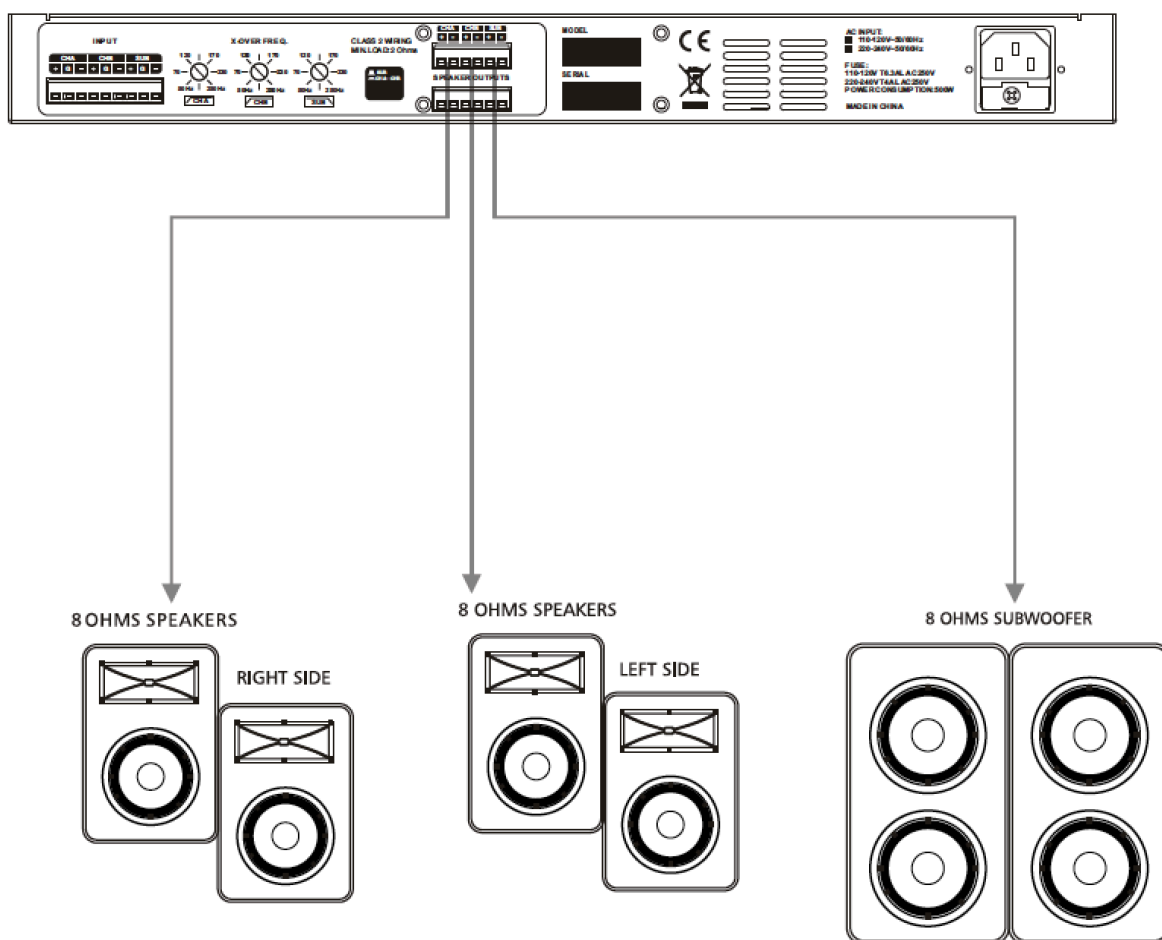
The inputs can be connected to the Euroblock socket using the female free part connectors supplied with the device.

For balanced inputs use Hot pin (+), Cold pin (-) and Ground pin (G) terminals.

For unbalanced inputs use Hot pin (+) and Ground pin (G) only; Hot (+) and Cold (-) must be connected together in the female connector.

Speaker connections

Check that the polarity is well respected for every speaker. Two Euroblocks connected point to point are available for easy parallel set up. The impedance output must not be less than 2 Ohms per channel.



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Technical Specifications

CHA & CHB		2 Ω (EIAJ)	2 x 250 W
		4 Ω (RMS)	2 x 150 W
		8 Ω (RMS)	2 x 90 W
SUB		2 Ω (EIAJ)	400 W
		4 Ω (RMS)	220 W
		8 Ω (RMS)	120 W
TDH		< 0,1%	
Frequency Response	CHA & CHB	(50 Hz – 120 kHz) – 20 kHz +0/-1 dB	
	SUB	20 Hz – (50Hz – 250 kHz) +0/-3 dB	
S/N rate		> 96 dB	
Gain (V)	CHA & CHB	28 $\pm$ 0,5 dB	
	SUB	30 $\pm$ 0,5 dB	
Input Sensitivity		0,9-1,1 V (0+/-1 dBv)	
Input Impedance		20 k Ω balanced or 10 k Ω unbalanced	
Controls		Front panel: On/Off Power Switch, volume channel A, B & SUB Rear panel: SUB, CHA + CHB selector; Cut off frequency selectors	
Indicators		POWER ON : Blue Led SIGN : Green Led PROT : Red Led CLIP : Red Led	
Connectors		Inputs: Euroblock Outputs: Euroblock	
Load Protection		On/Off Mute, DC fault grounding relay, internal fault fuses	
Power Supply		110 - 120 V or 220 - 240 V 50 ~ 60 Hz	
Dimensions (L x D x H)		483 x 281 x 44 mm	
Net Weight		4.5 kg	

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Warranty

This device is warranted parts and labor against any manufacturing defects for a period of two years from the date of purchase by the first user.

Conditions

1. The unit has been installed and implemented by observing the safety instructions in this operating manual.
2. The device was not diverted from its destination, either voluntary or accidental, and suffered no deterioration or modification other than those described here or explicitly authorized by AUDIOPOLE.
3. All modifications or repairs have been carried out by an authorized service station.
4. The defective product must be returned with the dealer who made the sale or to an authorized service station with proof of purchase.
5. The device was properly packaged to avoid damage in transport.

