SOUND TOWN

NIX Series

PROFESSIONAL POWER AMPLIFIER

USER MANUAL

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.

Intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

CAUTION: Risk of electrical shock DO NOT OPEN!

CAUTION: To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING: To prevent electrical shock or fire hazard, this apparatus should not be exposed to rain or moisture, and objects filled with liquids, such as vases, should not be placed on this apparatus. Before using this apparatus, read the operating guide for further warnings.

WARNING: POWER SUPPLY

Ensure that the mains source voltage (AC outlet) matches the voltage rating of the product. Failure to do so could result in damage to the products and possibly the user.

Unplug the product before electrical storms occur and when unused for long period of time to reduce the risk of electric shock or fire.

IMPORTANT SAFETY INSTRUCTIONS

WARNING : When using electrical products ,basic cautions should always be followed,

1.Read these instructions.

2.Keep these instructions.

3.Heed all warnings and follow all instructions.

4.Do not use this apparatus near water.

5.Clean only with a dry cloth.

6.Do not block any of the ventilation openings. Install in accordance with manufacturer 's instructions.

7.Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat

8.Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding plug. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult and electrician for replacement of the obsolete outlet.

9.Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point they exit from the apparatus.

10.Only use attachments/accessories provided by the manufacturer.

FRONT PANEL

1. Power Switch

This heavy-duty, rocker-type switch turns on the mains power to the amplifier. When the mains power is applied, there is a three second delay in activation of the unit. This reduces / eliminates the turn on transients associated with the system equipment connected to the amplifier and protects loudspeakers.

2. Power LED

This indicator illuminates when the AC mains power is being supplied to the amplifier and both channels are operational. If either channel experiences fault conditions, exceeds safe operating temperature limits, or if the mains circuit breaker trips, the power LED will be dark.

3&4. Input Gain (dB)

These controls are used to adjust the input gain of each channel. They determine how loud each channel of the power amplifier will sound for a given input signal level. Maximum input gain is achieved at the fully clockwise setting, and this setting yields maximum mixer/ system headroom. A setting of less than fully clockwise will yield lower system noise at the expense of mixer/ system headroom. Turning the control fully counterclockwise is the off setting. It is always a good idea to power up any new installation at this setting to protect the system loudspeakers.

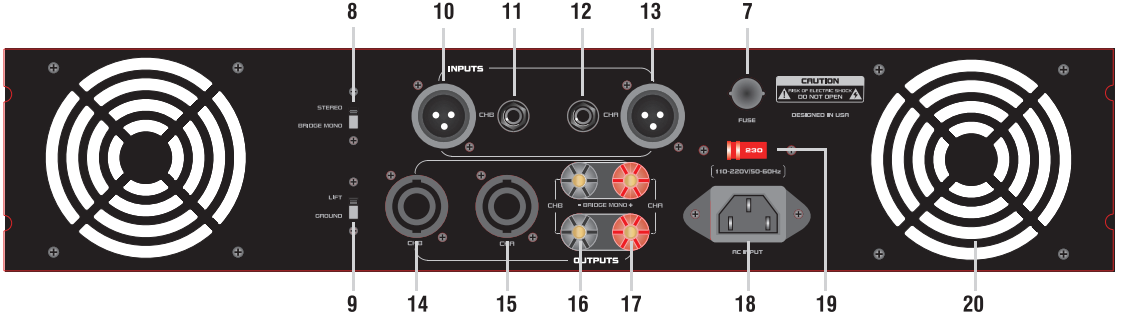
5. Signal (Level) LED

Associated channel output signal level LED indicator.

6. Overload LED (Clip)

These indicators illuminate when the associated channel has been overloaded.

REAR PANEL



7. FUSE HOLDER
If it blows, replace it with another fuse with the same type and rate.

8. STEREO/BRIDGE SWITCH Use it to select the output mode: STEREO working each channel separately, or BRIDGE summing both outputs.

9. GROUND/LIFT SWITCH This switch allows to separate the ground of the device with the rest of system devices of to link in order to avoid noises.

NOTE: If you need to change the position of both switch (8 & 9), the device **MUST BE TURNED OFF.**

10&11. CH B INPUT You can insert audio signal to channel B using one of these connectors (XLR 3 or Jack 1/4").

12.&13. CH A INPUT You can insert audio signal to channel A using one of these connectors (XLR 3 or Jack 1/4").

14&15. SPEAKON OUTPUT Use this NL4 socket in order to connect the output CHA/B to the loudspeakers.

16&17. BINDING POST OUTPUT Use these Binding post sockets in order to connect the output CHA/B to the loudspeakers.

18. MAIN SOCKET INPUT Use the incorporated cable in order to connect the device to an adequate main supply point.

19. POWER SELECT Switch to choose 110V-120V or 220V-240V power supply.

20. FAN The device uses fans in order to eliminate the excess heat in the amplifier. Do not cover these grills.

SPECIFICATIONS:

Model	NIX-4000IB	NIX-5000IB	NIX-6000IB
Power (8 ohm)	520 + 520 Watts	680 + 680 Watts	780 + 780 Watts
Power (4 ohm)	1040 + 1040 Watts	1360 + 1360 Watts	1560 + 1560 Watts
Bridge Power (8 ohm)	2000 Watts	2500 Watts	3000 Watts
MAX power (total)	4000 Watts	5000 Watts	6000 Watts
Input Impedance	20K ohm balance, 10K ohm unbalance	20K ohm balance, 10K ohm unbalance	20K ohm balance, 10K ohm unbalance
Input Level	+4dB	+4dB	+4dB
Input Voltage	110v ~220v	110v ~220v	110v ~220v
Freq. Response	20~20K Hz (+/-0.2dB)	20~20K Hz (+/-0.2dB)	20~20K Hz (+/-0.2dB)
S/N Rate	>99 dB	>99 dB	>99 dB
Distortion	0.1%	0.1%	0.1%
Dimensions (WxDxH)	19 x 12.8 x 3.5 inch (Standard 2U)	19 x 16.5 x 3.5 inch (Standard 2U)	19 x 16.5 x 3.5 inch (Standard 2U)
Weight (Lbs)	17.9	24	26.8