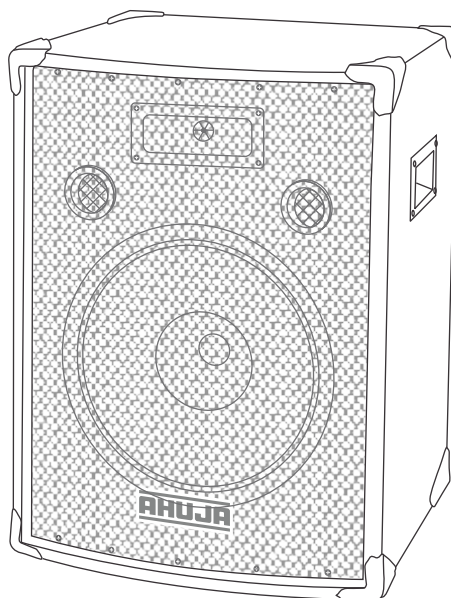




Portable PA Amplifier System

100W RMS

PSX-1200



- ♦ Thank you for purchasing the AHUJA Portable PA System.
- ♦ Please read this manual thoroughly before making connections and turning on the power. Following the instructions in this manual will enable you to obtain optimum performance from your new AHUJA Portable PA System.
- ♦ Please retain this manual for future reference.

• Safety Instructions

Read the Instructions: Please read all the instructions in this section carefully before installation or use of the product. All the safety instructions must be followed.

Retain the Instructions: Please retain this Instruction Manual for future reference.



This symbol, wherever it appears, alerts you to the presence of uninsulated hazardous voltage that may be sufficient to constitute a risk of electric shock. External wiring to any terminal marked with this symbol must be done by a trained and instructed person only.



This symbol, wherever it appears adjacent to a component, alerts you that the concerned component can only be replaced by another of the exact same specifications.

WARNING

- To reduce the risk of electric shock, do not remove the top cover. No user serviceable parts inside. Refer all servicing to qualified personnel only.
- Before replacing any fuse, make sure the set is switched off and disconnected from the AC mains or any other power source. Replace a fuse only with another of exactly same specification.

CAUTIONS

Water & Moisture: To reduce the risk of fire or electrical shock, do not expose this set to rain or moisture. Do not use this set near water or in a wet location. Do not keep any object filled with liquid, such as a vase, on top of this set. Do not insert or remove the AC mains plug with wet hands.

Power Source: The voltage & frequency of the AC mains supply to which this set can be connected, is marked on the rear panel of the set. Do not connect this set to any power source other than those specified on the rear panel.

Power Cord Protection: Do not cut, kink, damage or modify the AC power cord supplied with this set. Keep the AC power cord away from heaters and harmful chemicals. Do not keep any heavy object on the power cord.

Operation on Generator: When operating this set on a generator, make sure the set is switched off till the generator voltage has stabilized.

Stability: This set must be kept in a stable and flat horizontal position, and never in a tilted position. Since this set can also be mounted on a stand. To ensure the stability of the stand, keep the stand in a flat position. Do not use attachments which are not supplied or explicitly recommended by the manufacturer.

Cleaning: Disconnect this equipment from the AC mains before cleaning. Clean with a damp cloth, but do not allow any liquid to enter the set. Do not clean with liquids or aerosols.

• Table of Contents

Contents	Page No.
• Features/General Description of Product	4
• Rear Panel Controls Description	5
• Interconnections	6
• Specifications	7

• Features/General Description of Product

- Designed for use in a wide variety of PA and Musical Instrument amplifications.
- PSX-1200 has three unbalanced Mic inputs with Aux alternate to Mic-3 through switch.
- One stereo keyboard input with the provision of two sensitivities selectable through a push switch. A CD Player can also be feed to this input.
- Pre amp output is provided for recording the program, connecting to booster amplifiers and to the line input of a mixing console.
- Send/Return facility for Mic-1 input has been provided to enable connection with an external effects processor like delay unit or echo mixer.
- Built-in 12"/8 ohm high quality dual cone speaker with ceramic horn tweeter.
- Active Bass/Treble for proper shaping of frequency levels to suit the applications.
- A Clip LED for monitoring the output to caution overdrive.
- Full protection provided for DC offset, output short and overdrive conditions.

• Rear Panel Controls Description

1. Power Switch

Push the top part of the knob to switch the amplifier ON. Push the bottom part of the knob to switch the amplifier OFF.

2. Power LED

This LED glows when the power is switched on.

3. Clip LED

This LED glows when the output is at clipping level.

4. Mic-1 Volume Control

5. Mic-1 Input Jack Socket

6. Mic-2 Volume Control

7. Mic-2 Input Jack Socket

8. Mic-3/Aux Volume Control

9. Mic-3/Aux Input Jack Socket

10. Keyboard Volume Control

11. Keyboard Stereo Input Jack Socket

12. Master Volume Control

For adjusting the overall volume level of the powered speaker.

13. Treble Control

For cutting or boosting the signal level of high frequencies.

14. Bass Control

For cutting or boosting the signal level of low frequencies.

15. Push Selector Switch for Keyboard

Push switch used to select the sensitivities of the keyboard between 70 mV and 750 mV. The output level of the Keyboard in use should be checked and input sensitivity should be set accordingly. Each selection is indicated by an LED.

16. Push Selector Switch for Mic-3/Aux

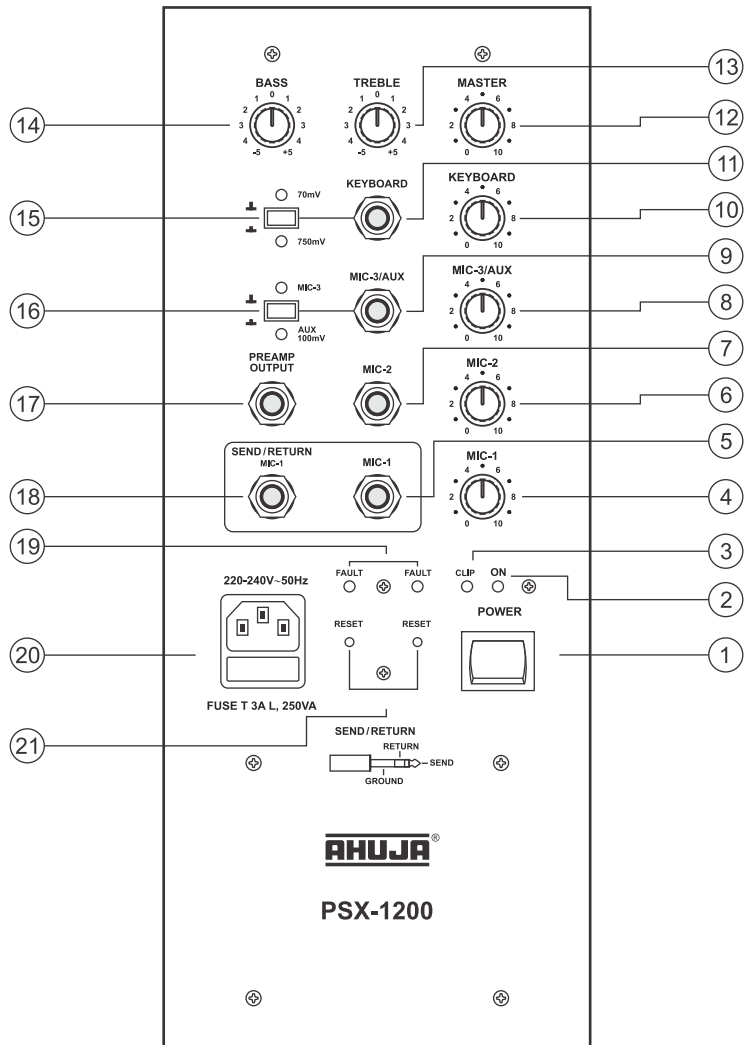
Push switch used to select either Mic-3 or Aux input. Each selection is indicated by an LED.

17. Pre Amplifier Output for Jack Socket

For connecting to the Aux input of an amplifier, a Cassette Recorder for recording purpose or to the line input of a mixing console.

18. Send/Return

Stereo socket used for Send/Return to enable connection with an Effects Processor.



19. Fault LED

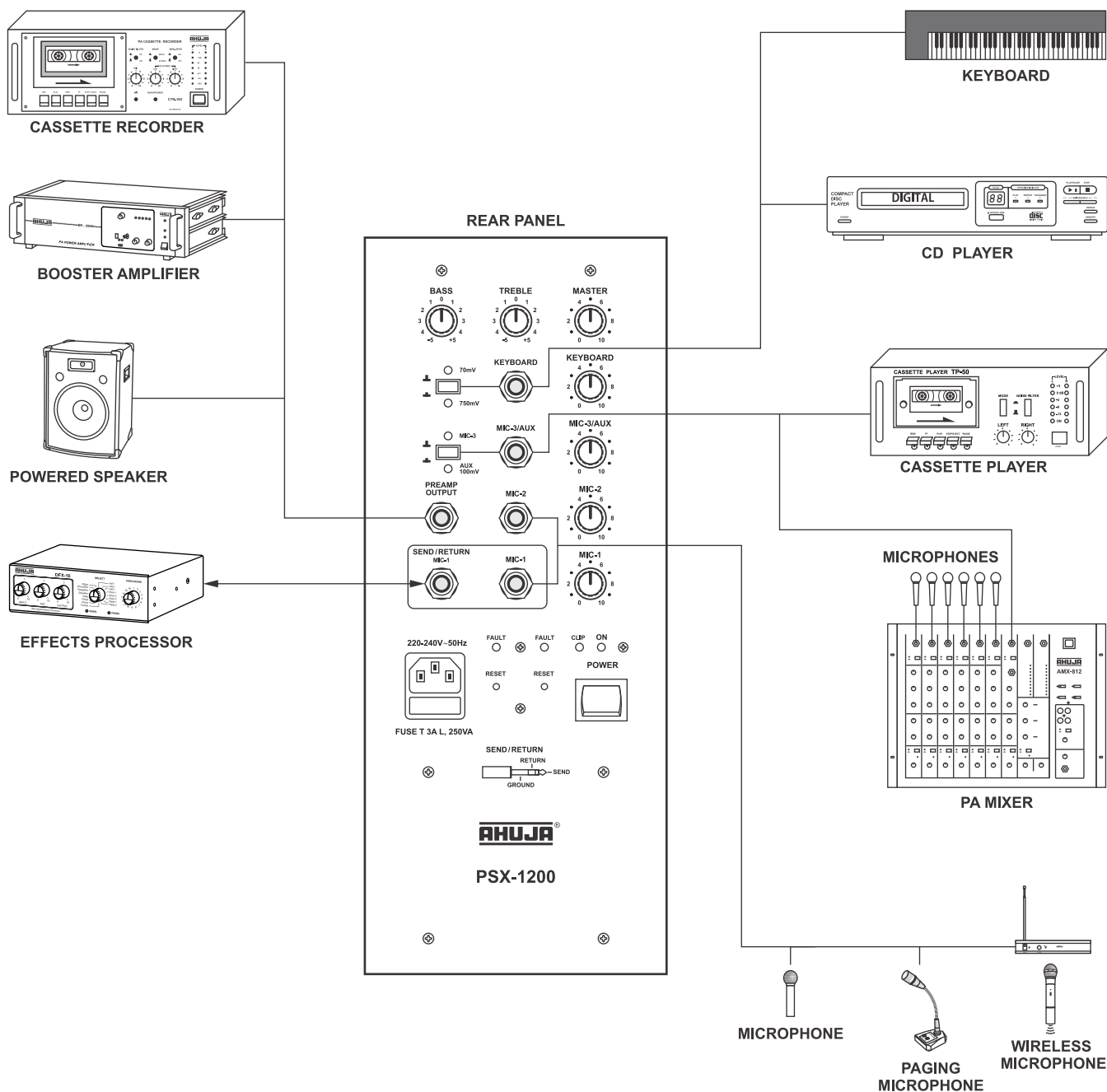
These LEDs glow when circuit protector trips due to either the output is shorted, in case of DC offset or overdrive conditions.

20. AC Socket with built in 3A fuse (T 3A L)

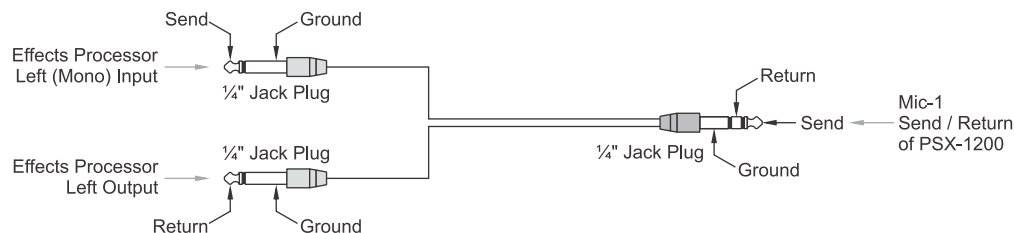
21. Reset Button

This button pops out when the circuit protector trips. The circuit protector protects the Powered Speaker from getting damaged on account of short circuits, DC offset and overdrive conditions. Rectify the cause and press the RESET button for resetting normal operation of the product.

• Interconnections



Wiring sequence of connection cable for Send / Return



• Specifications

Power Output	100W RMS at 1% THD 95W RMS at 0.5% THD
Output Regulation	Better than 0.5 dB
Input Channels	3 x Mic 0.65mV / 4.7k Ω (Mic source impedance 50 Ω -1k Ω) 1 x Aux 100mV / 470k Ω 1 x Keyboard : 70mV / 50k Ω : 750mV / 50k Ω
Frequency Response	40-20,000 Hz \pm 3dB
S/N Ratio	60 dB
Tone Controls	Bass : \pm 5dB at 100Hz Treble : \pm 5dB at 10kHz
Protection	AC Fuse 3 Amp. 250V (T 3A L) DC 2 x 4 Amp. Circuit Protectors
Pre Amp Output	200mV / 600 Ω
Send	250mV / 1k Ω
Return	250mV / 47k Ω
Power Supply	AC : 220-240V 50-60Hz
AC Power Consumption	220 VA
Dimensions	W420 \times H550 \times D420 mm
Weight	24kg approx.

- Design and Specifications are subject to change without notice owing to continuous product upgradation.
- Technical specifications are subject to production tolerances.

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E. & O. E. 0K/01/14

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