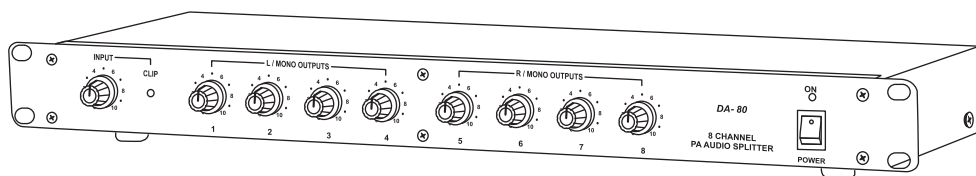


PA AUDIO SPLITTER

DA-80



- ◆ Thank you for purchasing the PA Audio Splitter.
- ◆ 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 PA Audio Splitter.
- ◆ 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, and the voltage of the external battery, (if applicable) 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.

Ventilation: This set should be situated so that its location or position does not interfere with its proper ventilation. Do not cover the ventilation holes / slots. Do not insert or drop anything into the ventilation holes / slots.

Stability: This set must be kept in a stable and flat horizontal position, and never in a tilted position. Do not place this set on an unstable stand, tripod, bracket or mount. Do not use attachments which are not supplied or explicitly recommended by the manufacturer.

Earthing: This set must be earthed properly before use. A wire from the Earth terminal on the rear panel must be connected to electrical earth.

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

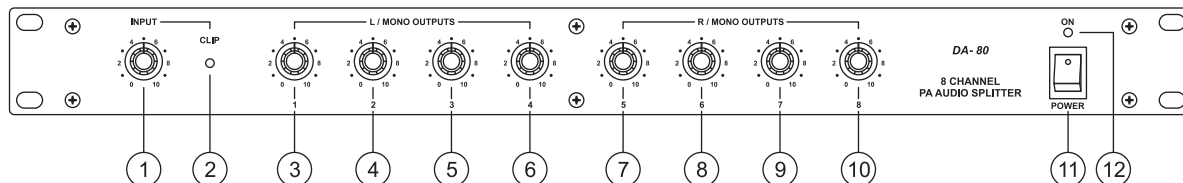
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• Features / General Description of Product

- Sleek and compact 8 channel line signal splitter.
- Designed for use in a wide variety of indoor and outdoor PA applications.
- Accepts Line Level Stereo as well as Mono inputs.
- Splitter provides four stereo outputs or eight mono outputs with a signal headroom of +25dB.
- Individual volume control for input and eight output channels.
- Clip LED glows continuously to indicate the presence of excessive signal levels which cause overdriving of the inputs.
- Operates on AC mains and 24V DC Car Battery.
- 19" rack mountable in 1U size and usable as a table top unit also.

• Front & Rear Panel Controls & Features



1. INPUT Volume Control

For adjustment of the signal level being fed to L / MONO and R inputs of the audio splitter.

2. CLIP LED

The flickering of this LED indicates the presence of acceptable levels of input signal. But the continuous glow of the CLIP LED indicates that there is excessive signal being fed to the input of the audio splitter, resulting in distorted output.

3. Channel 1 OUTPUT Volume Control

4. Channel 2 OUTPUT Volume Control

5. Channel 3 OUTPUT Volume Control

6. Channel 4 OUTPUT Volume Control

7. Channel 5 OUTPUT Volume Control

8. Channel 6 OUTPUT Volume Control

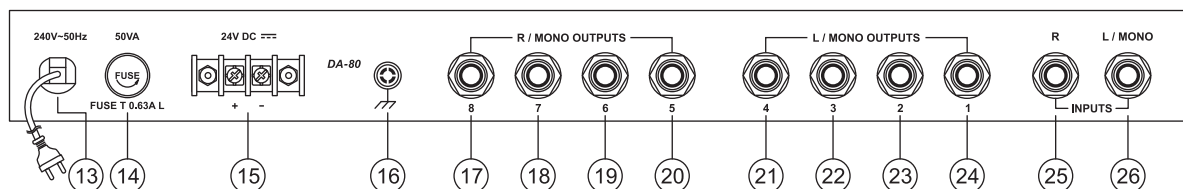
9. Channel 7 OUTPUT Volume Control

10. Channel 8 OUTPUT Volume Control

11. POWER Switch: Push the top part of the knob to switch the splitter ON. Push the bottom part of the knob to switch the splitter OFF.

12. POWER LED

The glowing of this red LED indicates that the audio splitter is switched ON.



13. 2 Core AC Mains Cable with Plug

14. AC Mains Fuse (Rating 0.63 Amp 250V)

This protects the audio splitter from any excessive current flow.

15. Battery Terminal Block

For connecting two 12V Car Batteries in series (which becomes 24V) as standby power source.

16. Earth Terminal

17. Channel 8 OUTPUT Jack Socket

18. Channel 7 OUTPUT Jack Socket

19. Channel 6 OUTPUT Jack Socket

20. Channel 5 OUTPUT Jack Socket

21. Channel 4 OUTPUT Jack Socket

22. Channel 3 OUTPUT Jack Socket

23. Channel 2 OUTPUT Jack Socket

24. Channel 1 OUTPUT Jack Socket

25. R INPUT Jack Socket

For connecting the right channel of a CD Player, PA Mixer etc.

26. L / MONO INPUT Jack Socket

For connecting the left channel of a CD Player, PA Mixer etc. In mono applications, the signal source should be connected to L / MONO input jack socket only.

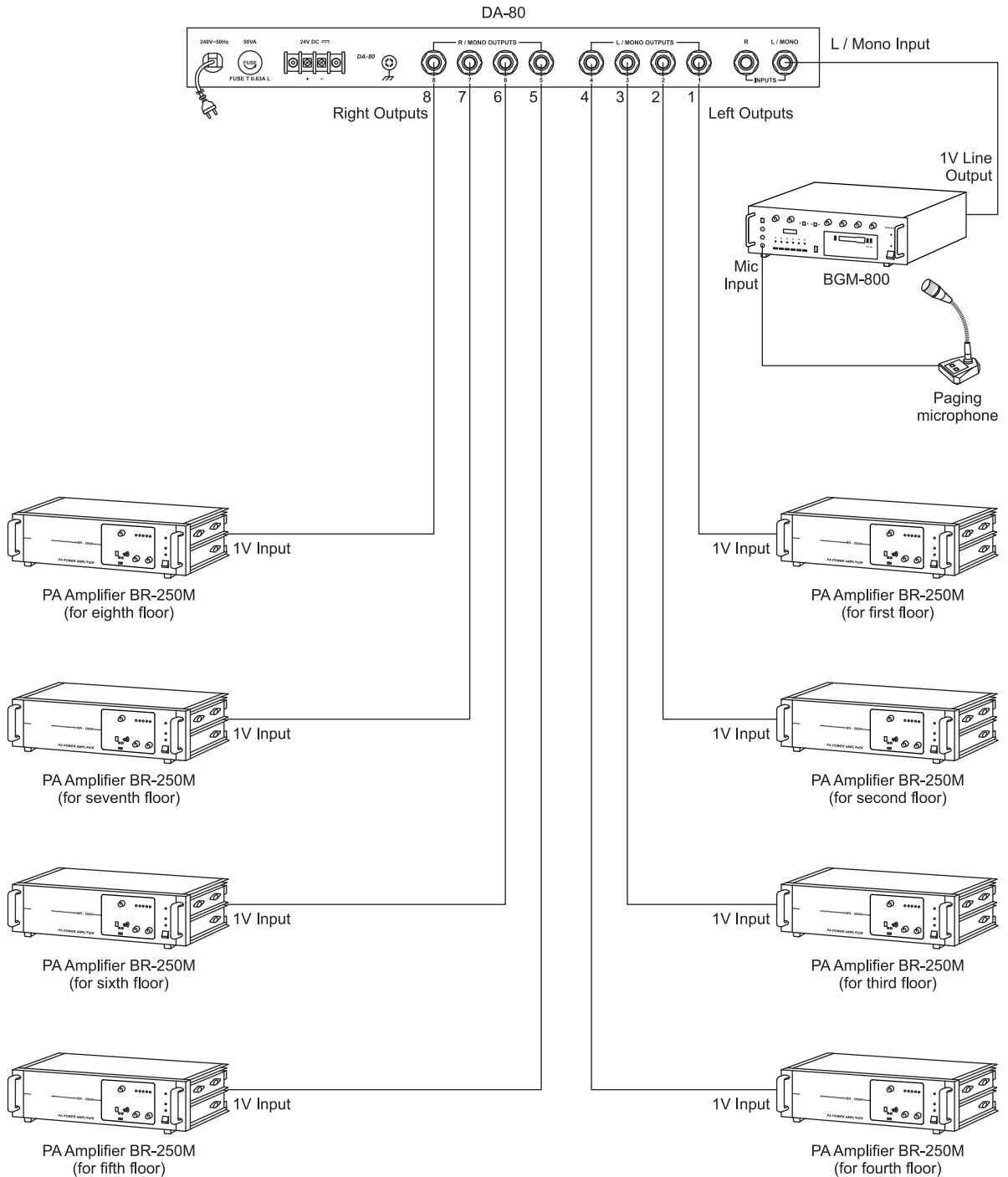
• Interconnections

- The audio splitter, when placed as a tabletop unit, should be situated so that its location or position does not interfere with its proper ventilation.
- All connections must only be carried out or changed with the audio splitter switched OFF.
- The audio splitter may be operated from a DC supply of 24V (two car batteries connected in series).
- To avoid loud switching noise, always switch ON the power amplifier after all other units of the audio system have been switched ON. After operation, switch it OFF first and then the other units.
- The connection diagrams that follow in typical applications, display the typical types of input sources (CD Player, PA Mixer etc.) and power amplifier (PA amplifier, 2 zone amplifier etc.) which can be connected to the output channels of the audio splitter. For correct connections and operation check the specifications of the connected equipment.

• Typical Applications

1

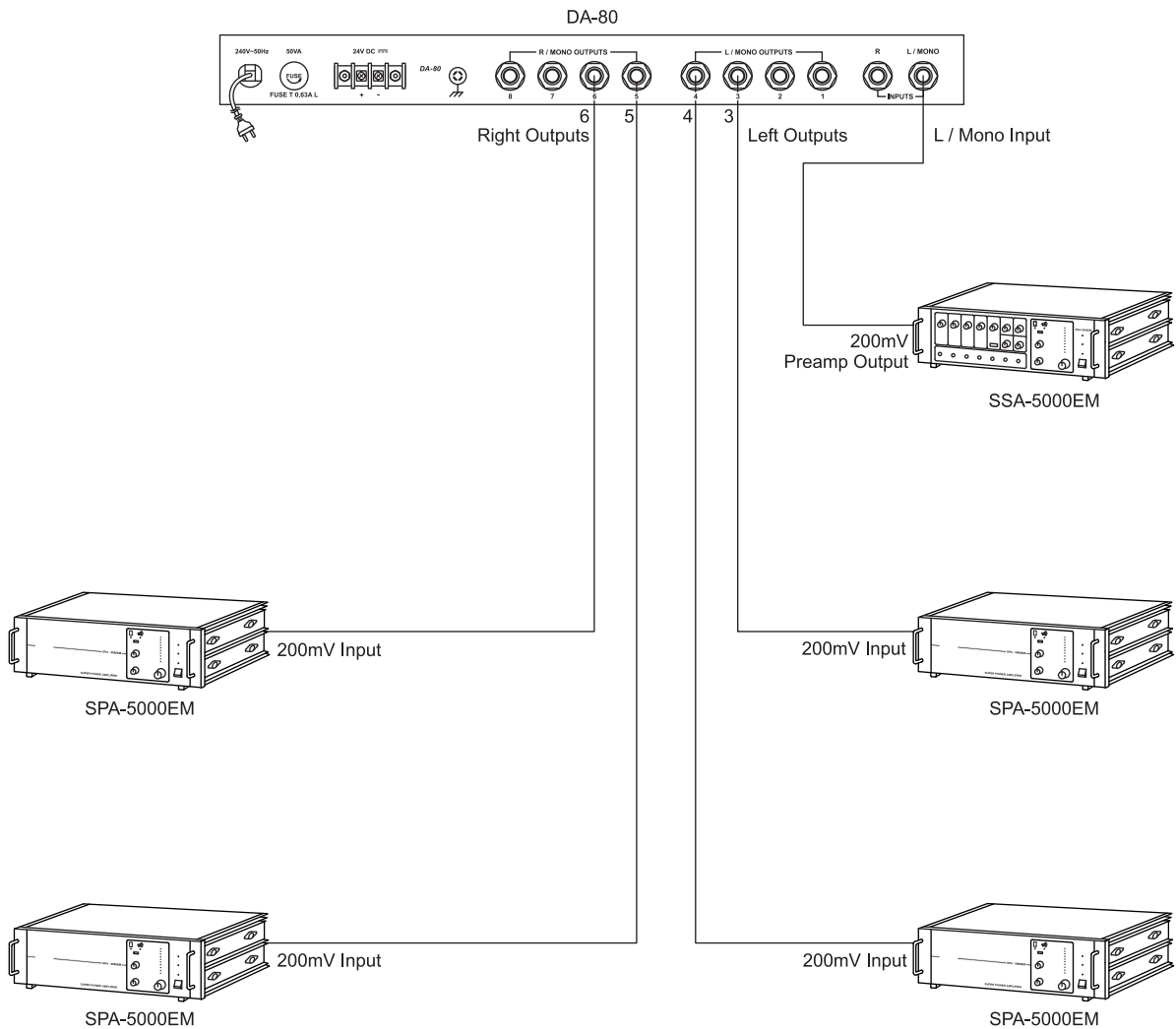
Connecting L / Mono input of DA-80 with Line output of a BGM source and distributing the signal output to eight booster amplifiers through eight mono outputs.



• Typical Applications....

2

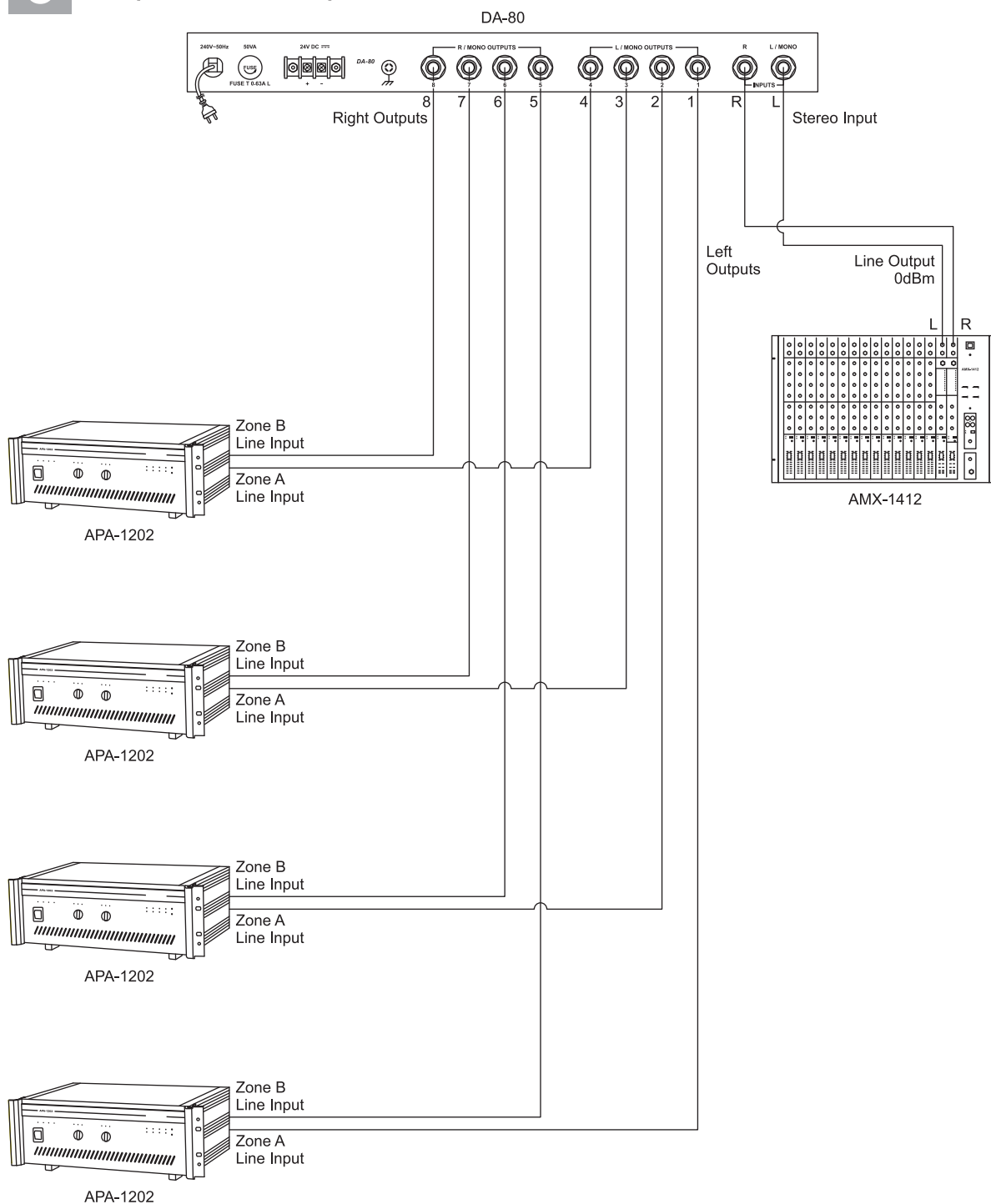
Connecting L / MONO input of DA-80 to the Pre-amp output of a PA power amplifier and splitting the signal to connect four booster amplifiers through any four mono outputs.



• Typical Applications....

3

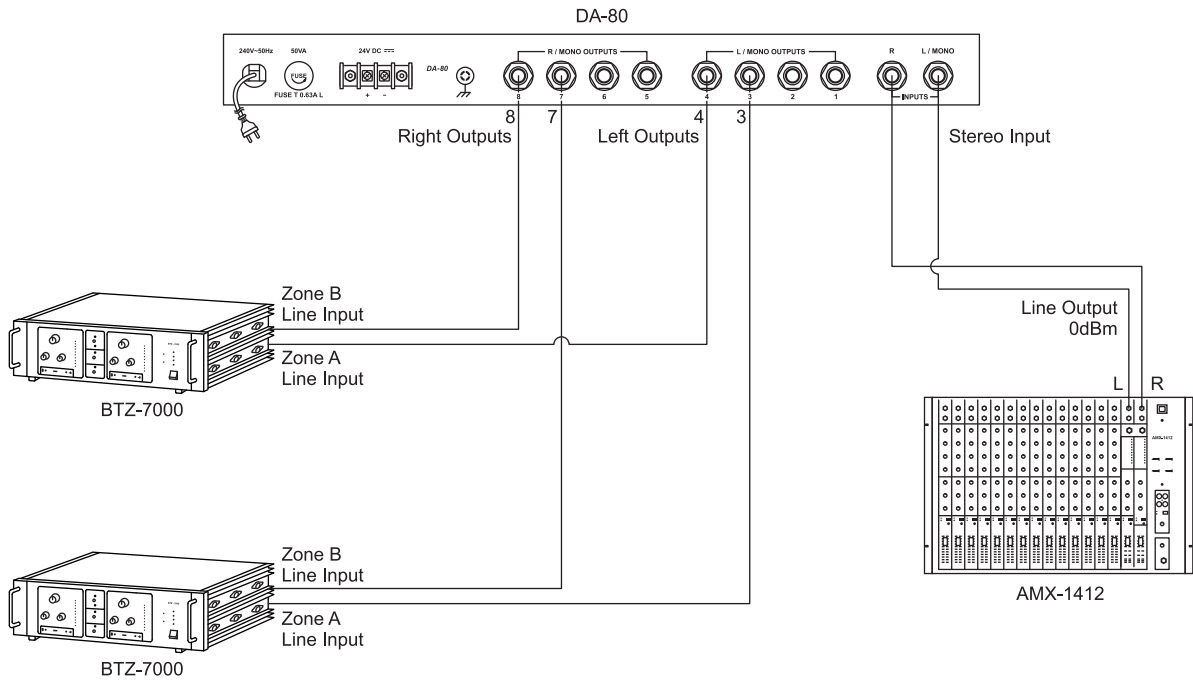
Connecting DA-80 to a PA Mixer at Stereo (L / Mono & R) inputs and four Direct Coupled amplifiers at L & R outputs.



• Typical Applications....

4

Connecting DA-80 with a PA Mixer through Stereo (L / Mono & R) inputs and four 2 zone amplifiers through L & R outputs.



• Specifications

MODEL	DA-80
Output Channels	8 × 200mV / 470Ω (rated); 4.5V (max.)
Input Channels	2 × 100mV / 47kΩ
Frequency Response	20– 20,000Hz
Distortion	0.1%
Signal to Noise Ratio	70dB
Indications	Power ON LED Clip LED (4dB prior to true clip)
Power Supply	AC: 220 - 240V 50 / 60Hz; DC: 24V (2 × 12V Car Battery)
Protection	AC: Fuse 0.6Amp. (T 0.6AL)
Dimensions	W483 × H43 × D178 mm
Weight	2.80kg approx.

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

• For Your Records

- **Model No.**
- **Serial No.**
- **Dealer's Name**
- **Dealer's Phone No.** **Fax No.**
- **Date of Purchase**