

# REDBACK® A 4804 Balanced Line Pre-Amp

## OPERATING INSTRUCTIONS



### OVERVIEW

This line pre-amp will accept either a microphone or auxiliary input and convert it to a balanced high level signal suitable for distribution up to 500M without interference with up to 3V of output level available. Volume controls are provided for both inputs plus a master volume control. The microphone is a balanced XLR input whilst the auxiliary input consists of 2 x RCA sockets with a rear mounted dip switch attenuator to allow for 4 levels of input signals. The output is via a male 3 pin XLR. A "loop in, loop out" power supply has been provided for powering other Redback Solutions products without the need for individual 12VDC supplies for each unit. Refer to figure 1 for connection details.

### SPECIFICATIONS

Power:.....12-24V DC  
 Power connection: .....12V-24V DC Input (2.1mm)  
 12V-24V DC Output (2.1mm)  
 Max current draw:.....30mA @ 12V, 40mA @ 24V  
 Frequency response:.....30Hz to 10KHz ( $\pm 0.5$ dB)  
 Noise: .....> -50dB  
 Controls: .....Master, Mic and Aux volume  
 Weight: ..... $\approx 750$ gm  
 Dimensions: ..... $\approx 210$ W x 130D x 44H mm  
 Colour:.....Black  
**Input:**  
 XLR (Microphone) .....Reference level, 1.5mV  
 RCA (Auxiliary) .....Dip switch selectable level  
 (Nominal: 0.1V, 0.2V, 0.5V, 1V)  
 Mic input impedance: .....600 $\Omega$  Balanced  
 Line input impedance: .....10k $\Omega$   
**Output:**  
 Connection:.....Balanced 3V XLR (8.5V p-p)  
 Output load required: .....600 $\Omega$  nominal, balanced  
 Output level: .....+15dBm  
 \*Specifications subject to change without notice

### FEATURES

- Independent volume controls for each input
- XLR Mic input
- RCA Aux input
- DIP switch selectable AUX sensitivity
- Balanced 600 $\Omega$  output
- Operates from 12-24VDC

### AUX SENSITIVITY SETTINGS

Sensitivity	1	2	3	4
100mV	On	Off	Off	Off
200mV	Off	On	Off	Off
500mV	Off	Off	On	Off
1V	Off	Off	Off	On

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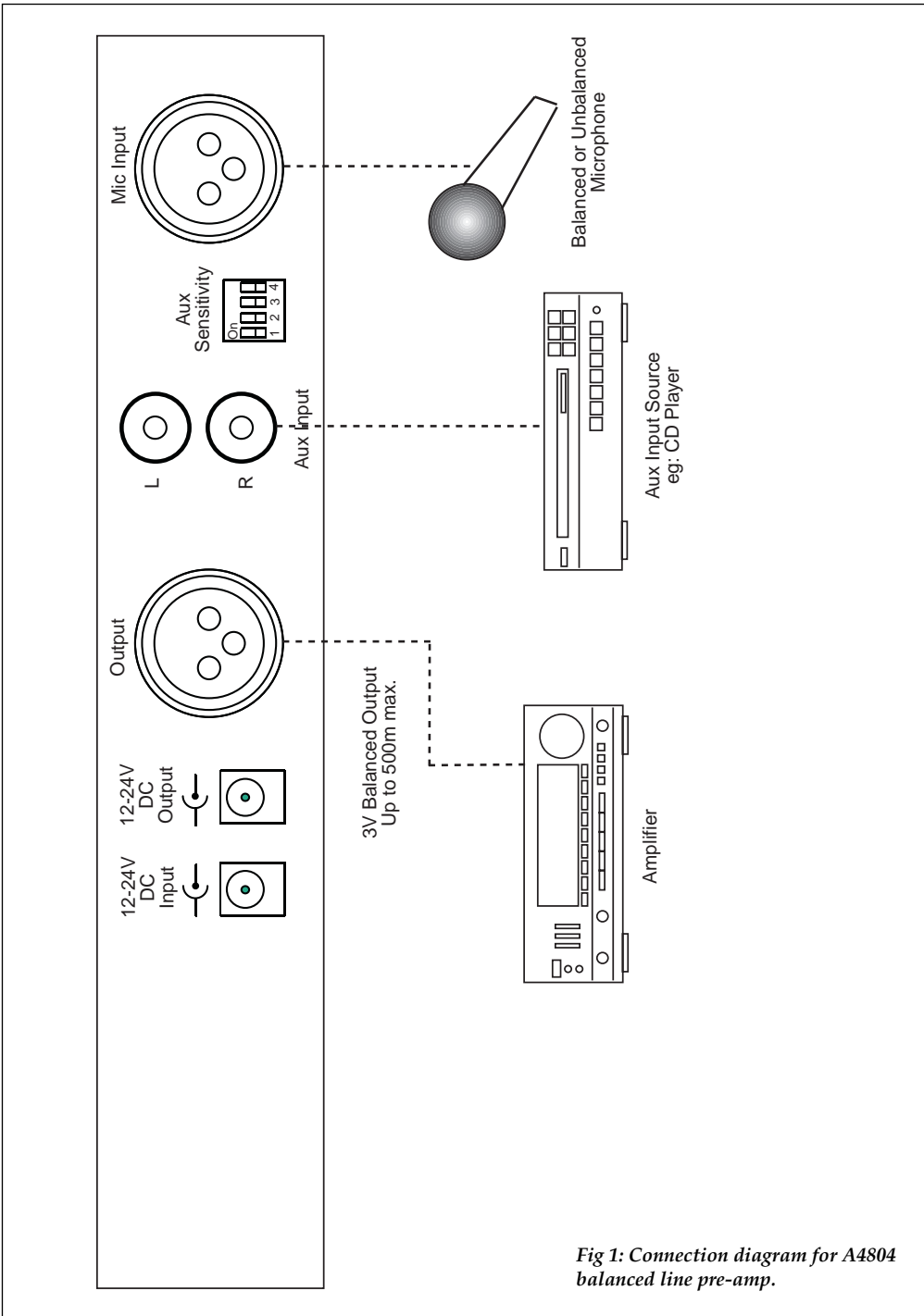


Fig 1: Connection diagram for A4804 balanced line pre-amp.

