



## OPERATING INSTRUCTIONS



## OVERVIEW

Direct Injection (DI) boxes are used to convert high impedance unbalanced devices like guitar pick ups to a low level balanced output. This is done to allow signals to be fed over long distances without hum and noise pick up. This model can be powered from either an external 12V DC source, a 9V battery, or powered directly by the equipment it is connected to ie: Phantom powered. This DI box has inbuilt EQ or tone controls plus an overall level control. Two 6.35mm mono connectors are provided for the input and “loop out”, while a single 3 pin XLR is used for the output. An earth lift switch is provided to help eliminate earth loops. A test switch is provided to test battery or phantom power availability. 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.

# SPECIFICATIONS FEATURES

**Power:** .....9-28v DC.

**Power Source:** .....Internal 9v battery (not supplied)  
.....External 12v, or 24v, dc plugpack (not supplied)

**Operating current:** .....10ma

**Nominal Input Level:** .....-10dbm (245 mv)

**Input Impedance presented:** .....300k unbalanced

**Output Load required:** .....200-600 ohm balanced

**Frequency Response:**.....20 Hz to 20Khz ( $\pm 1$ db)

**Gain:**.....Unity

**Noise:**.....> -60 dbm.

- 6.35mm mono in out loop
- Treble, bass and mid volume
- Balanced 3 pin XLR out
- 12-24VDC or 9V battery operated
- Slide switch to select 9V battery power
- Switch for 9V battery or phantom power check
- Ground isolation switch

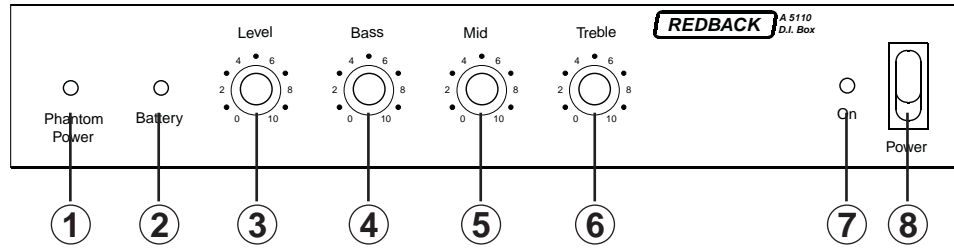
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\*Specifications subject to change without notice

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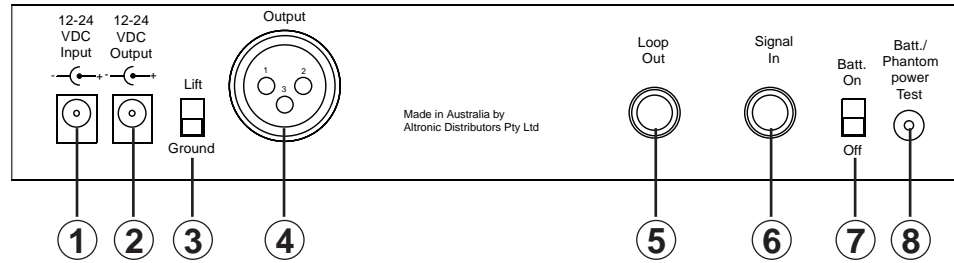
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### Legend

- |                        |                        |                |
|------------------------|------------------------|----------------|
| 1 Phantom Power LED    | 4 Bass Level Control   | 7 Power LED    |
| 2 Battery Check LED    | 5 Mid Level Control    | 8 Power Switch |
| 3 Master Level Control | 6 Treble Level Control |                |

Fig. 1: Front panel layout.



### Legend

- |                           |                    |                                     |
|---------------------------|--------------------|-------------------------------------|
| 1 12-24VDC Input          | 4 XLR output       | 7 Battery Selector Switch           |
| 2 12-24VDC Output         | 5 6.35mm Loop Out  | 8 Battery/Phantom Power Test Switch |
| 3 Ground Isolation Switch | 6 6.35mm Signal In |                                     |

Fig. 2: Rear panel layout.

