

# SM Pro Audio



## Operational Manual

### DI-1

Version 1.0 November 2005

#### FOREWORD

Dear pro audio enthusiast, thank you and congratulations for choosing the DI-1 'Active Direct Injection Box' from SM Pro Audio.

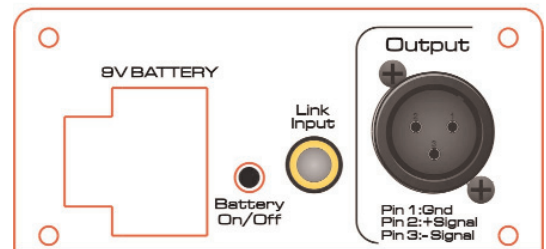
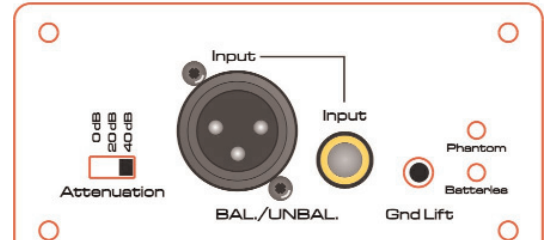
As with all SM Pro Audio products, in developing the DI-1 'Direct Injection Box' we paid special attention to achieving optimal performance and functionality whilst maintaining an affordable pricing solution. We know you will enjoy continuing reliability and performance from your DI-1.

Regards,  
SM Pro Audio

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#### DI-1



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#### 1. INTRODUCTION

DI box's are an essential tool that ensure audio signals reach their destination free of unwanted noise, and in a balanced format. The DI-1 provides a range of features such as level and impedance matching, phantom power indication, signal pass through, and ground lift functionality.

The DI-1's versatility makes it suitable for a wide range of applications. You can connect the output from electric guitars, bass amplifiers, keyboards, or just about any other audio signal output directly to a console mixer, without the use of a microphone.

## **2. Power**

### *2.1 Battery power & Installation*

The DI-1 requires power for operation from a standard 9v battery for operation (battery not included).

There is a well secured battery compartment housed within the DI-1 with access provided through a removable metal compartment cover. The battery compartment cover is secured by one (1) screw. Simply unscrew the battery compartment cover to gain access to the battery compartment for battery installation or replacement of expired batteries.

### *2.2 Battery on/off switch*

The Battery on/off switch enables and disables the battery operation. Be sure to always disable the battery power when the unit is not in use thus ensuring battery longevity.

## **3. Indicators**

### *3.1 Battery led indicator*

There is a led indicator located on the front panel. This is illuminated to indicate that battery power is enabled and the unit is ready for operation.

### *3.2 Phantom Power led indicator*

The DI-1 can detect the presence of 48v phantom power when connected to the units output. The phantom power led indicator is illuminated when a signal is detected.

## **4. Cable Connection Options**

### *4.1 Input connections*

The DI-1 offers both TS unbalanced and XLR balanced inputs on the front panel of the unit.

### *4.2 Output connections*

The DI-1 offers both TS unbalanced and XLR balanced outputs on the rear panel of the unit.

- The TS unbalanced "Link Input" connector is an unbalanced parallel output of the incoming signal from either the XLR or TS input source. This is for passing signals directly through the DI for local use such as monitor amplifiers.
- The XLR output connector is wired - Pin 1 = GROUND, Pin 2 = (+) Signal, Pin 3 = (-) Signal. This output is for connection to your console mixer or destination receiving unit.

## **5. Attenuation**

### *5.1 Attenuation control*

The attenuation switch provided allows for incoming source signal to be attenuated down in 2 amounts from 20-40dB. This is useful for operation with very hot signals that would otherwise overload the DI-1.

## **6. Ground**

### *6.1 Ground lift switch*

The Ground lift switch enables or disables continuous connection of the input and output ground connection. This is useful for helping to eliminate ground loop hum problems that can arise between connected devices. When in the depressed position, ground lift is enabled and no ground connection is made between the incoming and output signal.

## **7. SPECIFICATIONS**

Power Requirement:	9v battery (Battery not included)
Size: (Without Feet)	10.2cm (L) x 10cm (W) x 4.5cm (H)

*Note: Specifications and appearance may differ from those listed or shown.*

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