



DI-A1

Active Direct Injection Box

Item ref: 173.293UK

User Manual

Introduction

Thank you for choosing the Chord DI-A1 active D.I. box as part of your audio signal chain. The DI-A1 converts high impedance audio from instruments or line outputs to a low impedance balanced output to be fed directly into a mixing console or amplifier input. This is an active D.I. box, which uses an inbuilt buffer amplifier to boost the signal for long cable runs without signal degradation.

Input panel



INPUT: 6.3mm Hi-Z input
 PAD: Attenuation switch
 THRU: 6.3mm Hi-Z out
 GND: GND-FLOAT-LIFT switch

Output panel



6.3mm Hi-Z input
 LOW BATT: Low battery indicator
 12Vdc INPUT: Input for optional 12Vdc adaptor
 LOW-Z OUT 600Ω: Balanced XLR output
 9V BATT: PP3 battery compartment

Operation

To power the DI-A1, switch on phantom power to the XLR input on the mixing console or insert a 9V PP3 battery into the battery compartment. Alternatively, connect a 12Vdc (200mA min.) power supply to the 12Vdc INPUT jack.

Connect the instrument (or other high impedance audio source) to the DI-A1 via the 6.3mm INPUT jack. To feed to a backline amplifier or further high impedance input, use the adjacent 6.3mm THRU jack.

Connect the LOW-Z OUT connection directly to the mixing console or amplifier input using balanced XLR leads.

High level input signals can be attenuated so as not to overdrive the mixer or amp inputs by using the PAD switch. 0dB setting leaves the input unaffected, whereas -20dB and -40dB settings reduce the signal level progressively.

The DI-A1 has an inbuilt noise filter to help eliminate RF and mains hum. In some cases, it is necessary to isolate the signal ground to help reduce such noise and the GND switch has 3 options to help with this. GND setting is fully grounded, FLOAT setting isolates the signal ground from the case but retains the noise filter and LIFT setting isolates the signal ground altogether without the filter.

In the event of noise appearing in the signal chain, try these settings to see if FLOAT or LIFT can improve the signal quality.

Specifications

Power supply	9V battery (PP3 not supplied), 12Vdc (optional) or 9-52V phantom power
Input	6.3mm jack (unbalanced)
Outputs	XLRM (balanced), 6.3mm jack through (unbal)
Input impedance	>100k Ohms
Output impedance	600 Ohms
Controls	0/-20/-40dBu pad & Ground-Float-Lift switch
Dimensions	103 x 70 x 45mm
Weight	243g



Disposal: The "Crossed Wheeled Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

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