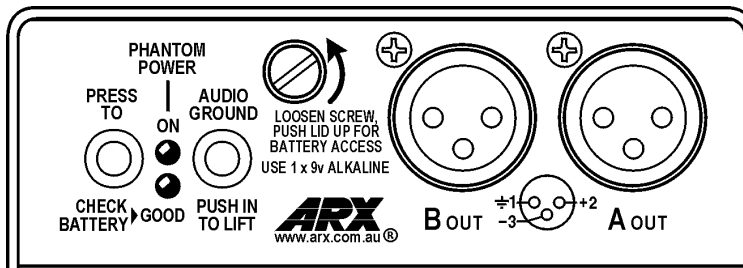
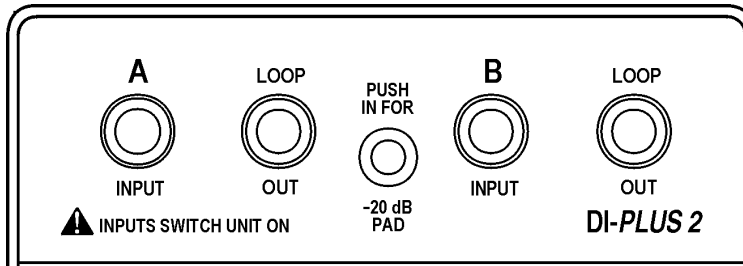


DI-PLUS 2



Dual Channel Active Direct Box

PHANTOM OR BATTERY POWERED IN A RUGGED STEEL CHASSIS



The ARX DI-PLUS 2 signals another major step forward in active direct boxes. A Dual channel stand-alone unit, the DI-PLUS 2 is a fresh look at active D.I. requirements.

- **Precision engineered**

Ultra quiet, ultra clean circuitry delivers maximum headroom whatever the signal. Premium grade components, plus an all-steel chassis gives excellent hum and noise specifications and superb audio quality in a tough, roadworthy package.

- **Level control**

The DI-PLUS 2 features two high impedance unbalanced inputs on the front panel, each running to balanced XLR outputs on the rear. A global Pad switch drops both inputs by 20dB, making it suitable for all applications, from the softest keyboard to the hottest broadcast levels; and all in glorious stereo! Plus, the Left and Right channel Gains match up perfectly for accurate stereo imaging.

- **Battery compartment**

The revolutionary simple 'clamshell' action of the DI-PLUS 2 battery compartment makes battery changing extremely easy, even on the darkest stag-

es. A single 9v alkaline battery snaps into a PCB mounted battery holder for fast, secure location. No fragile battery clip leads to break, no tools required, no screws to lose. Production crew heaven!

- **Automatic Phantom switching**

The DI-PLUS 2 will automatically switch itself to the console's own Phantom Power, if available, and an LED will indicate this mode. Turn the Phantom Power off and it will instantly revert back to battery mode.

- **Rugged all-steel case**

A lot of direct boxes are fitted into brittle cast alloy cases. Not this one! The tough all-steel inner and outer chassis of the DI-PLUS 2 provide excellent RF/EMF shielding while making it a sturdy, heavy duty unit that is hard to dislodge, and hard to leave behind.

Whether you're a Studio or Live Sound engineer, installation contractor, or broadcast engineer, you want all the dynamics and clarity of the original sound source transferred to the mixing console. The ARX DI-PLUS 2 provides a rugged, no-compromise solution to all direct injection and signal balancing requirements.

ARX also manufacture the indispensable DI-6s: a 19" 1 RU AC powered unit that has 6 independent Direct boxes, each with high impedance Input and Loop out jack connectors, an infinity to +15dB level control, clip LED, balanced XLR output and individual audio ground lift switches.

It can also function as a 6 into 1 line mixer **at the same time**. A switch on the rear changes it from a 6 into 1 mixer to a 1 into 6 line distribution splitter, each split's level controlled by the six individual channel controls.

A true Pro Audio toolbox!

Specifications

Max Input Level

- +12 dB Phantom powered
- +6 dB Battery powered

Input Impedance

- 1 Meg Ohm

Max Output Level

- +17 dB 10K Ohm load Phantom powered
- +12 dB 10K Ohm load Battery powered
- +11 dB 600 Ohm load Phantom powered
- +12 dB 600 Ohm load Battery powered

Output Impedance

- 680 Ohms Balanced

Output Signal to Noise

- 100 dB unweighted
- 104 dB A weighted

Dynamic Range

- 117 dB 10K Ohm load Phantom powered
- 112 dB 10K Ohm load Battery powered
- 111 dB 600 Ohm load Phantom powered
- 107.5 dB 600 Ohm load Battery powered

Distortion

- 100 Hz .0018%
- 1KHz .0028%
- 10KHz .0056%

Frequency Response

- 20Hz to 20KHz, ± 0.2 dB

Gain through Unit

- 6dB (Pad switch out)

Pad Switch

- Global -20 dB attenuation

Input and Loop Out Connectors

- Insulated jack

Output Connectors

- 3 pin XLR. Wired Pin 1 Ground, Pin 2 + Hot, Pin 3 - Cold. Global Audio Ground (Pin 1) lift switch

Construction

- All-steel chassis, fibreglass PCB

Battery Access

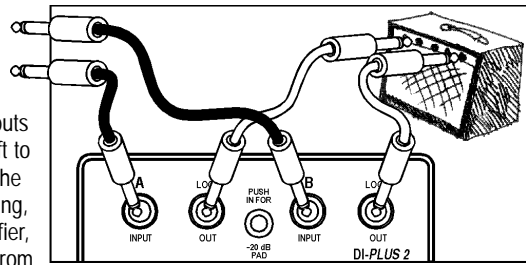
- Twist connector opens chassis, snap-in battery holder inside. No tools required



Our policy is one of continuous improvement, and therefore designs may change without notice. However, unless otherwise stated, specifications will always equal or exceed those previously given.

Input Connections

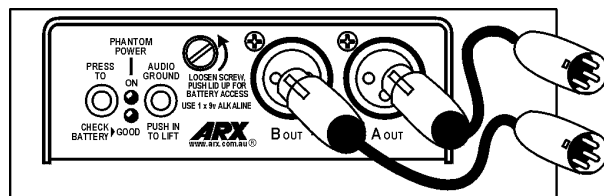
A stereo high impedance source (instrument, unbalanced lines or similar) plugs into Inputs A and B (typically Left to A and Right to B). If the signal needs monitoring, eg. an onstage amplifier, then connect a lead from the Loop Outs of each



channel to the amplifier. Pushing the Pad switch IN will reduce both input levels by -20dB if required.

Note: If you are only using **One** channel of the DI-PLUS 2, make sure that you use Channel A. The Channel A Input jack switches the DI-PLUS 2 on.

Output connections



Connect a balanced microphone lead from each 3 pin XLR connector on the rear of the DI-PLUS 2 to a pair of input channels on the mixing console. Pan the channels Left or Right as required.

Pushing the Audio Ground Lift switch IN will isolate both Pin 1 outputs of the DI-PLUS 2 to stop Ground Loops if required.

Architectural Specifications

The Direct box shall be a dual channel unit in a stand-alone steel chassis.

It shall have two High Impedance input jacks, plus two output loop jacks. There shall also be corresponding electronically balanced XLR output connectors on the rear panel, with a single audio ground lift switch applying to both channels.

A switch on the front panel shall provide a -20 dB pad to both channels throughout the unit, and another switch shall check battery condition, and indicate such with an LED. Another LED shall indicate whether Phantom power is active.

The input connectors shall have an Input impedance of 1 Meg Ohms, and the input headroom shall be +12dB when Phantom powered, and +6dB when battery powered.

The frequency response shall be 20 Hz to

20 KHz, ± 0.2 dB and the Output impedance shall be 680 ohms balanced. Maximum output levels shall be +17dB, with a 10K Ohm load with Phantom power, and +12dB, with a 10K Ohm load with Battery power.

The unit shall have a Signal to Noise ratio of -100dB unweighted, and -104dB A weighted).

Distortion @ 1 KHz shall be shall be .0022%.

The unit shall have a dynamic range of 117dB with a 10K Ohm load on Phantom power, and 112 dB with a 10K Ohm load with Battery power.

Gain through the unit shall be 6dB.

The direct box shall be the ARX DI-PLUS 2.

Specifications available on CD ROM



Latest updates always available on the ARX website - www.arx.com.au

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