

DUALXDirect

Dual Channel Active Direct Box

ARTcessories

The DUALXDirect provides two independent high quality active interfaces that let you connect instrument, line, or speaker level signals to a mixer or other balanced inputs. Each of the high impedance 1/4" and XLR inputs (provided via "combo" jacks) are buffered and converted by very low noise active electronics into an isolated, balanced, low impedance signal output. The DUALXDirect has an extremely flat and wide frequency response and can handle high signal levels. This gives the DUALXDirect a very clean and neutral sound with a wide variety of signal sources and over long signal runs in high noise environments.

The input ATTENUATOR switches allow for a wide range of signal levels and the input THRU jacks allow for tapping off of your signal chain. The GROUND LIFT switches let you totally separate the input and output signal grounds, when appropriate, to isolate two systems, thereby reducing hum and ground-loop noise.

The DUALXDirect's active circuitry is powered by phantom voltage from the OUTPUT connections or by an internal 9V battery, when external power is not available. When powered by a battery, it draws less than 7.5 mA which should provide more than 100 hours of operation with a new battery (alkaline recommended). If phantom power is available, then the DUALXDirect will automatically draw its power from the external source. The POWER ON/OFF switch lights more dimly when the unit is running off of the battery, lights more brightly when it is running off of phantom power, and is off when the unit is inactive.

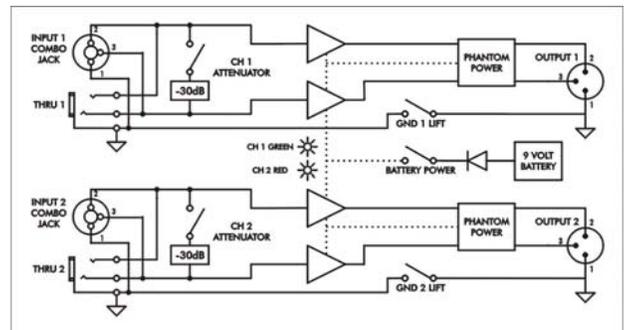
The compact black-anodized all aluminum case and it's active design allow the DUALXDirect to provide years of trouble free service in Live Sound, Permanent/Fixed Install, D.J., and virtually any PA application. It's full feature set, rugged construction, and high-end specifications make the DUALXDirect the obvious choice.

FEATURES:

- Fully active design
- Phantom voltage or 9V battery powered
- Converts high-impedance balanced / unbalanced inputs into 600 Ohm balanced outputs
- Switchable input attenuation (0, -30 dB)
- Switchable ground lift
- 1/4" TRS | XLR combo connector inputs
- XLR connectors for balanced outputs
- Rugged extruded aluminum case

SPECIFICATIONS:

Frequency Response	10 Hz - 100 kHz, ± 0.5 dB @ +0 dBu
THD	<.05% (typical)
Dynamic Range	>100 dB (typical)
Channel Separation	> 80 dB (typical)
Maximum Input Level	+4, +34 dBu
Maximum Output Level	+6 dBu (battery powered), +14 dBu (phantom powered)
Input Connections	1/4" TRS XLR female balanced / unbalanced (2), 470k Ohm
Thru Connections	1/4" TRS (2)
Output Connections	XLR male balanced (2), <600 Ohm
Input Attenuation	Switchable, (0, -30 dB)
Power Requirements	9V @ 7.5 mA (battery, alkaline recommended), 18 - 48V DC @ 6.4 mA (phantom power, per channel)
Dimensions	1.85 H x 4.6 W x 3.9 D (in) 47 H x 117 W x 99 D (mm)
Weight	0.84 lbs / 0.38 kg



INSTALLATION and OPERATION:

- 1) Connect your instrument, line, or speaker level signal to either of the **INPUT 1** or **2** 1/4" TRS phone jacks or female XLR connectors. Connect one end of a phone jack cable to the corresponding **THRU** 1/4" TRS phone jack and the other end to where your signal was going to, if connecting the DUALXDirect inline in the signal path. Repeat for the other **INPUT** and **THRU** jacks if desired.
- 2) Connect a balanced line cable between the corresponding **OUTPUT 1** or **2** male XLR connector on the rear panel and the balanced inputs of your audio gear. Repeat for the other **OUTPUT** if desired.
- 3) If phantom power is not available, make sure a 9V battery is installed and push the **POWER** switch in to enable battery power. When using a battery for power, be sure to turn the **POWER** switch off when not using the unit in order to maximize battery life. If phantom power is available, there is no need to push the **POWER** switch in. Power is always applied from the **OUTPUT** connectors, if present. A green LED lights if power is coming from the **OUTPUT 1** connector, a red LED lights if power is coming from the **OUTPUT 2** connector. Both LEDs light if power is coming from both connectors.
- 4) Set the input **ATTENUATOR** switches for best signal strength and clarity. Select the **GROUND LIFT** feature to lower hum and other ground loop noise, if present.