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AUDIO

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NADY[®]
AUDIO

OWNER'S MANUAL



ADI-2

2 Channel Active Direct Inject Box

Operation

Connected to Instrument

The ADI-2 can be used to connect the unbalanced output of an instrument or line level device (eg. guitar, bass, synthesizer, effects module, another mixer) to the balanced input of a mixer or amplifier. Set the **GUITAR/SPEAKER (3)** switch to GUITAR for this application. If you desire to send the original unbalanced signal on to a mixer or amplifier, use the **1/4" unbalanced output (5)**. The **1/4" output (5)** is paralleled with the input, therefore, when using the **1/4" output (5)**, the input device and output device volume controls may need to be adjusted to acquire the desired level.

Connected to Amplifier

The ADI-2 can be used to connect an amplifier's speaker output, or a speaker's "daisy chain" output, to the balanced input of a mixer. Set the **GUITAR/SPEAKER (3)** switch to SPEAKER for this application. If your speaker has only one connector, the ADI-2 can be inserted between the amplifier and speaker using the **1/4" input (4)** and **1/4" LINK OUTPUT (5)** jacks.

Specifications

Frequency Response	10Hz-30KHz, +/-3dB
Input Impedance (Guitar)	780k ohms
Input Impedance (Speaker)	10k ohms
Output Impedance	+/-470 ohms
Maximum Output	+2dBv/980mV
THD	0.02%
S/N	-108dB
N/Floor	4uV
Noise Level	-101dBu
Inputs	2 Unbalanced 1/4" Phone Jack
Outputs	2 Balanced XLR Connector
Outputs	2 Unbalanced 1/4" Phone Jack
Power Requirement	9 Volt Battery or Phantom Power 24-48 VDC
Current drain	10mA
Weight	0.98 lbs. (.36 kg)
Dimension	5" x 3.7" x 2.2" (127 x 94 x 51mm)

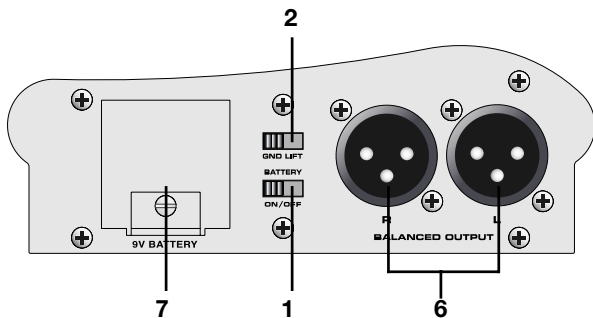
Introduction

Congratulations for purchasing the ADI-2 2-Channel Active Direct Inject Box. This unique unit is the ultimate, multi-functional active DI box. The ADI-2 is indispensable for solving many audio mismatch and hum problems in numerous stage and studio applications.

- Simultaneous dual inputs and outputs for stereo or multi-source use
- Eliminates impedance mismatch problems and converts any sound source at almost any level (from guitar to speaker) into a clean, powerful hum-free, noise-free and interference-free balanced signal perfect for even extremely long cable runs
- Full-featured controls and connections include On/Off, Ground Lift, and Guitar/ Speaker Source Select input attenuation switches; unbalanced 1/4" TS Input and Parallel Link Output jacks; and servo-balanced XLR Output jack.
- Parallel link output allows ultimate hookup flexibility by enabling applications such as connection to the input of the backline or monitor amplifier.
- No compromise circuit design and stringent component selection provide absolutely flat, full frequency response across the entire audio spectrum, and negligible distortion for the most natural, powerful audio available.
- Portable aircraft aluminum extruded case for ultimate roadworthiness, long life and reliability
- Powered either by console's +48V phantom power or internal 9V battery

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(1) ON/OFF SWITCH

When set to ON, this enables the 9V battery power for the unit. If the device connected to the ADI-2 XLR output has 25V-48V phantom power enabled, the ADI-2 can be used without draining the 9V battery. Disabling the ON/OFF button will save battery power when using phantom power. Always remember to turn off the ADI-2 ON/OFF switch when not in use to preserve your battery.

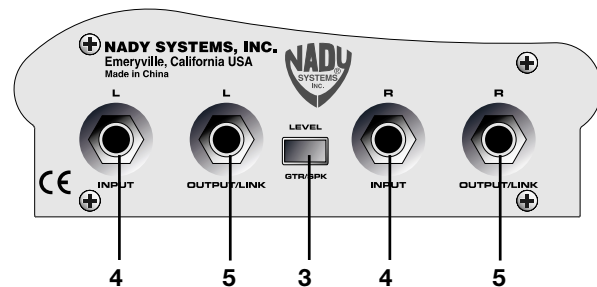
CAUTION: Always turn on the ADI-2 before turning up the volume on devices connected to the ADI-2 outputs to avoid damaging your equipment or speakers.

(2) GROUND LIFT SWITCH

When set to LIFT, this disconnects the ground connection between the 1/4" input and XLR output to eliminate hum caused by ground loops.

(3) SPEAKER/GUITAR BUTTON

When pushed in, this enables a 35dB pad, allowing the input to receive high level signals from speaker or amplifier outputs.



(4) 1/4" INPUTS

Unbalanced 1/4" input jack for inputting a line level, instrument level, or speaker level signal.

(5) 1/4" LINK OUTPUTS

Unbalanced 1/4" output jack which is in parallel with the input jack. This allows the ADI-2 to be used as a Y-splitter by sending the input signal to another device via the 1/4" output as well as sending it from the balanced XLR output.

(6) XLR OUTPUTS

Balanced XLR output jack [Pin 1 = Ground, Pin 2 = Hot(+), Pin 3 = Cold(-)]

(7) BATTERY COMPARTMENT

Remove screw and panel to install 9V battery.

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