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**DO NOT ATTEMPT TO SERVICE THIS UNIT YOURSELF AS IT CAN BE DANGEROUS AND WILL ALSO VOID THE WARRANTY.**

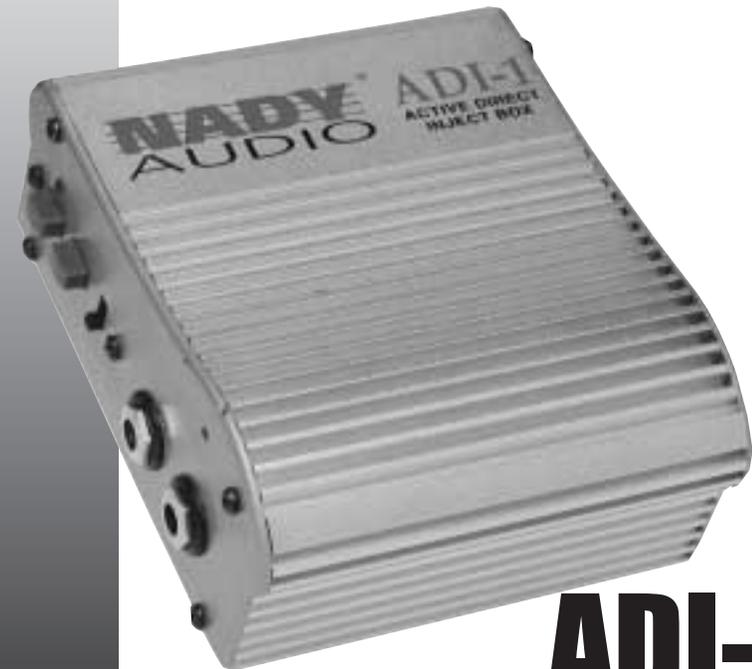
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**AUDIO**

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**NADY**<sup>®</sup>  
**AUDIO**

## OWNER'S MANUAL



# ADI-1

## Active Direct Inject Box



## Introduction

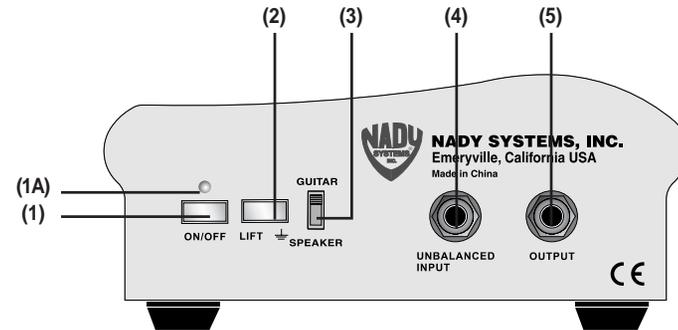
Congratulations for purchasing the ADI-1 Active Direct Inject Box. This unique unit is the ultimate, multi-functional active DI box. The ADI-1 is indispensable for solving many audio mismatch and hum problems in numerous stage and studio applications.

- Eliminates impedance mismatch problems and converts any sound source at almost any level (from guitar to speaker inputs) 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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## Controls and Connections



### (1) ON/OFF BUTTON

When pressed, this enables the 9V battery power for the unit. If the device connected to the ADI-1 XLR output has 25V-48V phantom power enabled, the ADI-1 can be used without draining the 9V battery. Disabling the ON/OFF button will save battery power when using phantom power.

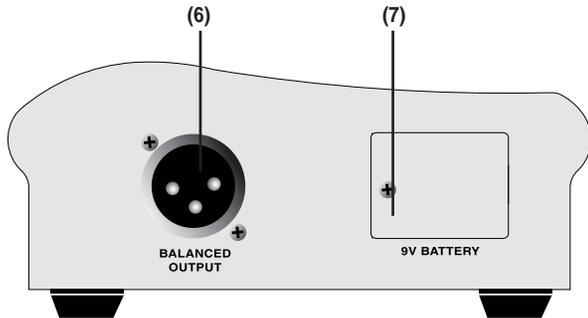
### (1A) POWER ON INDICATOR

This LED lights whenever the unit is on, either from external phantom power, or from internal battery power when the unit is switched ON.

**CAUTION:** Always turn on the ADI-1 before turning up the volume on devices connected to the ADI-1 outputs to avoid damaging your equipment or speakers.

### (2) GROUND LIFT BUTTON

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



### (3) SPEAKER/GUITAR SWITCH

Switch enables a 35dB pad when set to SPEAKER, allowing the input to receive high level signals from speaker or amplifier outputs.

### (4) 1/4" INPUT

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

### (5) 1/4" OUTPUT

Unbalanced 1/4" output jack which is in parallel with the input jack. This allows the ADI-1 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 OUTPUT

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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## Operation

### Connected to Instrument

The ADI-1 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-1 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-1 can be inserted between the amplifier and speaker using the **1/4" INPUT (4)** and **1/4" OUTPUT (5)** jacks.

## Specifications

Frequency Response	20-20 kHz, -3 dB
Noise Level (22Hz-22kHz)	-101dBu
THD + N (10 Hz-22 kHz)	0.02% @ 1 VRMS, 1 kHz
Input Impedance (Guitar)	> 1 M ohms
Input Impedance (Speaker)	> 10 K ohms
Output Impedance	Approx. 500 ohms
Max. Input Level 9V. Batt (1% THD)	+8.5dBu
Max. Input Level 48V Phantom (1% THD)	+11.5 dBu
Inputs	Unbalanced 1/4" Phone Jack
Outputs	Balanced XLR Connector and Unbalanced 1/4" Phone Jack
Power Requirement	9 Volt Battery or Phantom Power 24-48 VDC
Weight	0.8 lbs. (.36 kg)
Dimension	4.8" x 4.05" x 2" (124 x 103 x 51mm)

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