

Congratulations and thank you for your purchase of the ADB2 Active Direct Box. The ADB2 is intended for sending unbalanced signals (up to +40 dB) to a mixing console or other professional input device. The unit has no transformer, so stray field pickup is nonexistent. The ADB2 is powered by standard microphone phantom power from 9 - 48 VDC and uses discrete low-noise differential drivers to make it very quiet. The unit has two 1/4" input jacks wired in parallel, a male XLR output jack, a ground lift switch, and a three-position attenuator switch.

## DESCRIPTION

**INPUTS:** Two 1/4" unbalanced jacks - wired together in parallel. For connection to line or instrument level signals.

**OUTPUT:** One male XLR jack for connection to mixing console or other input device carrying phantom power.

**ATTENUATOR SWITCH:** Decreases the input signal by the indicated amount. At 0 dB the signal is not attenuated, at the 20 and 40 dB settings, the signal is dropped by that amount.

**GROUND LIFT:** Removes the ground connection of the 1/4" and XLR jacks from the chassis ground.

**ACTIVE LED:** Indicates the unit is receiving phantom power.

## INSTALLATION

In order for the ADB2 to function it must be connected to a microphone phantom power source with a balanced XLR cord. The input may be anything from a speaker source such as a music amplifier, VCR or projector, to an instrument such as a guitar or High-impedance microphone. Care should be taken to overdrive the ADB2 or there will be a distorted sound from the unit. Use the lowest attenuator setting that gives distortion free sound. The ground lift switch should be in the position that yields the lowest noise.

## WARRANTY

For information on the Rolls One Year Limited Warranty, and to register this product, visit our website at [www.rolls.com](http://www.rolls.com)

## ADB2 Active Direct Box

- Uses standard 9 - 48 volt phantom power for supply
- Ground Lift for "hum" reduction
- Attenuator switch for connection to line level or speaker level signals

The ADB2 is an active direct box for converting a high impedance signal such as a direct out from a bass amplifier, to a low impedance signal such as a snake input and a mixer's microphone input. The Ground Lift is provided to reduce possible ground hum or buzz.

ADB2 Active Direct Box

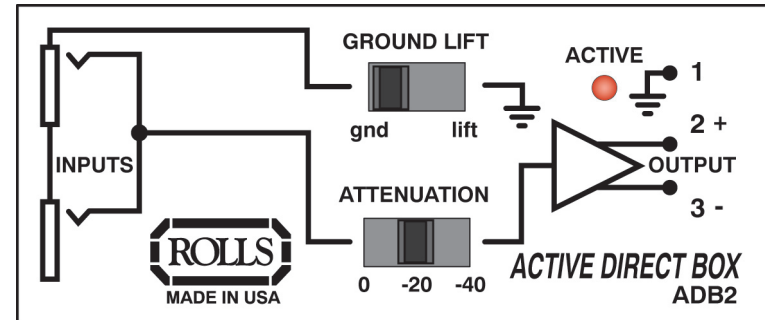


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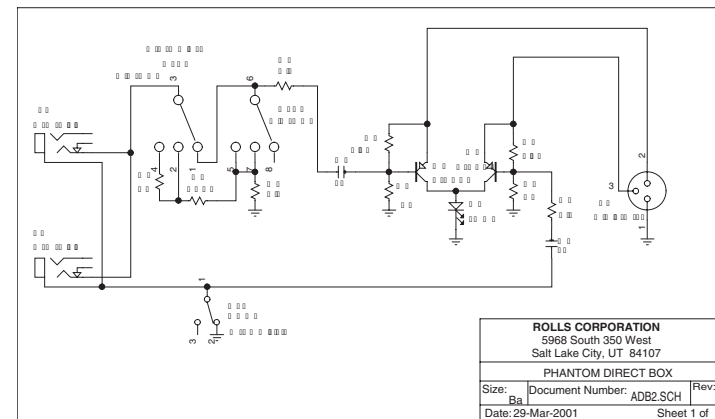
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## ADB2 Active Direct Box



## SPECIFICATIONS

- Input Level:** -10 to +40 dB unbalanced  
**Output Level:** -10 to +2 dB balanced XLR Male (pin 2 +)  
**Bandwidth:** 1 Hz to 50 kHz  
**S/N Ratio:** 100 dB  
**Jacks:** (2) 1/4" phone, (1) XLR male  
**Controls:** Attenuator switch, Ground Lift switch,  
**Power:** 9 - 48 VDC Phantom Powered  
**Size:** 2" x 3.5" x 5"



Owners Manual