

LIMITED WARRANTY

This product is warranted to the original consumer purchaser to be free from defects in materials and workmanship under normal installation, use and service for a period of one (1) year from the date of purchase as shown on the purchaser's receipt.

The obligation of Rolls Corporation under this warranty shall be limited to repair or replacement (at our option), during the warranty period of any part which proves defective in material or workmanship under normal installation, use and service, provided the product is returned to Rolls Corporation, TRANSPORTATION CHARGES PREPAID. Products returned to us or to an authorized Service Center must be accompanied by a copy of the purchase receipt. In the absence of such purchase receipt, the warranty period shall be one (1) year from the date of manufacture.

This warranty shall be invalid if the product is damaged as a result of defacement, misuse, abuse, neglect, accident, destruction or alteration of the serial number, improper electrical voltages or currents, repair, alteration or maintenance by any person or party other than our own service facility or an authorized Service Center, or any use violative of instructions furnished by us.

This one-year warranty is in lieu of all expressed warranties, obligations or liabilities. ANY IMPLIED WARRANTIES, OBLIGATIONS, OR LIABILITIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE ONE YEAR DURATION OF THIS WRITTEN LIMITED WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

IN NO EVENT SHALL WE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WHATSOEVER. Some states do not allow the exclusion or limitation of special, incidental or consequential damages so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

ADi6 dB MAX Active Direct Box

- Uses 9-Volt or standard phantom power for power supply
- Ground Lift for "hum" reduction
- Variable Attenuation for precise level control
- Parallel or Mixed input jacks

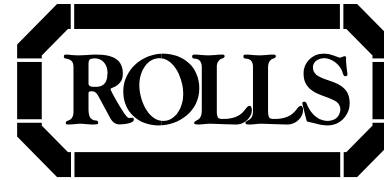


The ADi6 is an active direct box for converting a high impedance signal such as a direct out from a bass amplifier, to a low impedance signal such as a snake input and a mixer's microphone input. The Ground Lift is provided to reduce possible ground hum or buzz, a variable Attenuation control provides precise level adjustment, and the unit may be powered via 9 volt battery, or phantom power from a mixer.

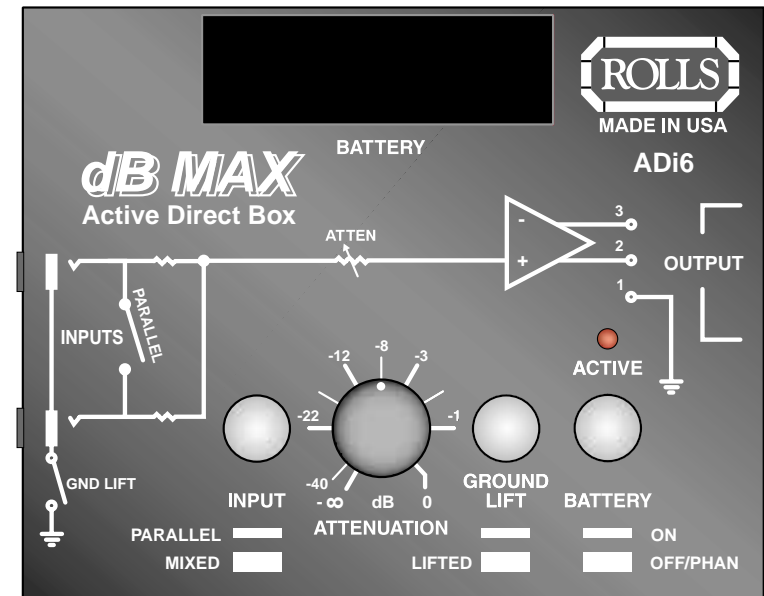
ADi6 dB MAX



Rolls Corporation
Salt Lake City, UT
1/01



ADi6 dB MAX Direct Box



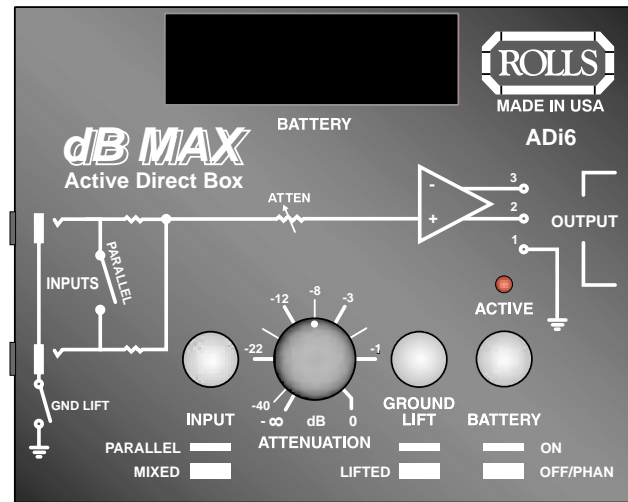
SPECIFICATIONS

| | |
|---------------|--|
| 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: | Attenuation Control, Ground Lift switch, Input Parallel/Mix switch, Battery switch |
| Power: | 9 volt battery, or 9 - 48 VDC Phantom Power |
| Size: | 2" x 3.5" x 5" |

Owners Manual

Congratulations and thank you for your purchase of the ADi6 dB MAX direct box. The ADi6 is a durable and cost effective unit designed to take a high impedance line-level or speaker level audio signal and convert that signal to low impedance.

DESCRIPTION



INPUT jacks: Two 1/4" Tip Sleeve unbalanced jacks for connection to the high impedance signal to be balanced.

INPUT switch: Selects Parallel input or Mixed input. In Parallel mode, the tips of the two input jacks are shorted together providing you with a "pass-through" jack. In Mixed mode, a series

of resistors are inserted in line, allowing a stereo signal to be mixed to mono.

ATTENUATION control: Adjusts the input level to the ADi6. Fully clockwise, the ADi6 does not attenuate the incoming signal. As the control is turned counter-clockwise, the input signal is attenuated by the indicated amount.

GROUND LIFT switch: When pressed in, the chassis ground is connected to pin 1 of the XLR Output. When the switch is out, the chassis ground is disconnected.

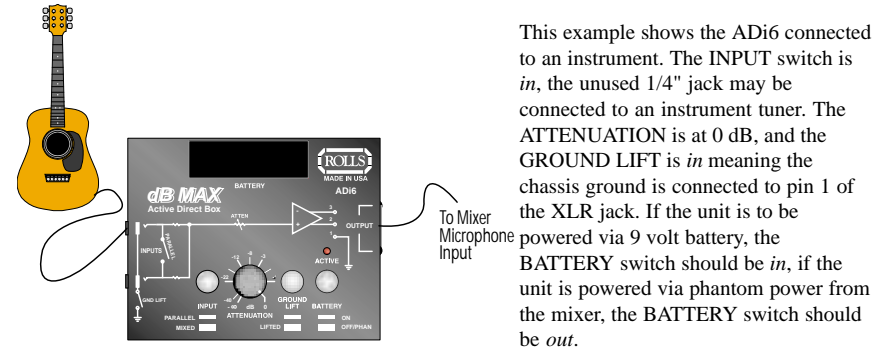
BATTERY switch: When pressed in, the ADi6 will be powered via a 9 volt battery, the ACTIVE LED will light. When out, the unit is powered via phantom power.

OUTPUT jack: Balanced XLR jack for connecting to the input of a mixer.

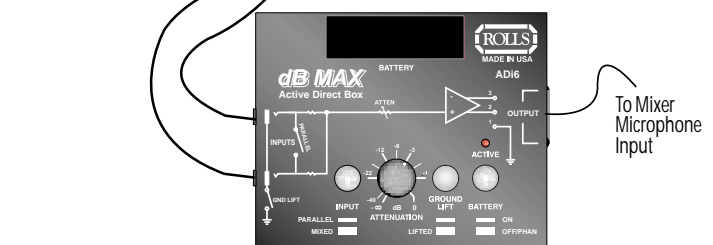
BATTERY: Cover for 9 volt battery.

OPERATION

In order for the ADi6 to function via phantom power, 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. Press the INPUT switch *in* to short the two input jacks together allowing for signal "pass-through", or leave the switch *out* to mix stereo signals together. Set the ATTENUATION control and GROUND LIFT switch for best signal level and lowest noise. Press the BATTERY switch *in* for 9 volt battery operation, or set the switch *out* for operation via phantom power.



This example shows the ADi6 connected to an instrument. The INPUT switch is *in*, the unused 1/4" jack may be connected to an instrument tuner. The ATTENUATION is at 0 dB, and the GROUND LIFT is *in* meaning the chassis ground is connected to pin 1 of the XLR jack. If the unit is to be powered via 9 volt battery, the BATTERY switch should be *in*, if the unit is powered via phantom power from the mixer, the BATTERY switch should be *out*.



This example shows the mixing capabilities of the ADi6. A stereo source is shown connected to both 1/4" inputs, and the INPUT switch is out. This mixes the right and left signals to mono, and balances the combined signal to be sent to a mixer. The ATTENUATION control, GROUND LIFT switch, and BATTERY switch should all be set for proper operation.

SCHEMATIC

