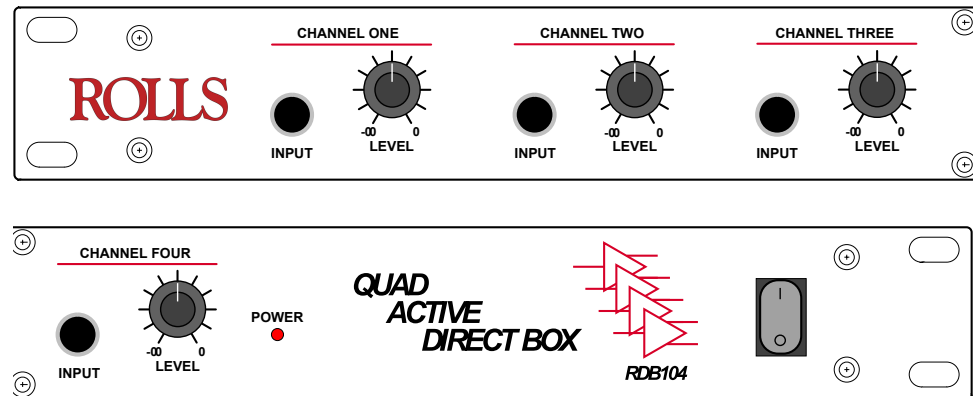


# ROLLS

## RDB104

### Quad Active Direct Box



#### SPECIFICATIONS

Input Impedance:	100 k $\Omega$
Output Impedance:	100 $\Omega$ balanced
Max. Output Level:	+22 dB (Pad out)
Gain:	- $\infty$ to 0 dB
Dimensions	1.75" X 6" X 19" (89mm X 162mm X 482mm)
Weight	6 lbs. (2.72 Kg)
Power	120VAC (230VAC) 15VA

# ROLLS

ROLLS CORPORATION  
SALT LAKE CITY, UTAH  
8/00

Quick Start Guide

## INTRODUCTION

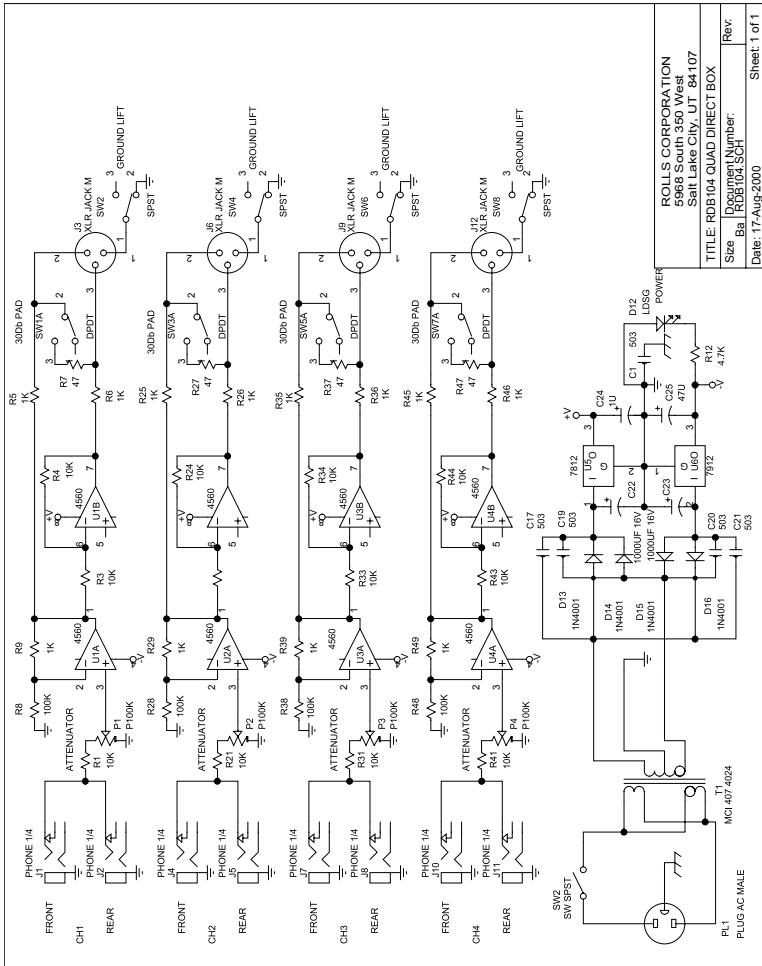
Thank you for your purchase of the ROLLS RDB104 Quad Active Direct Box. The RDB104 is an active impedance matching device with the added benefit of a variable level control. Its four channel design is ideal for a variety of applications including musicians, studios, and sound contractors. It is designed and manufactured carefully to provide years of long-lasting service. Please read the following manual carefully to ensure proper operation, and enjoy your new RDB104.

## INSPECTION

1. Unpack and inspect the RDB104 box and package.  
If obvious physical damage is noticed, contact the carrier immediately to make a damage claim. We suggest saving the shipping carton and packing materials for safely transporting the unit in the future.

2. Please complete the Online warranty registration at [www.rolls.com](http://www.rolls.com).

## SCHEMATIC



## DESCRIPTION

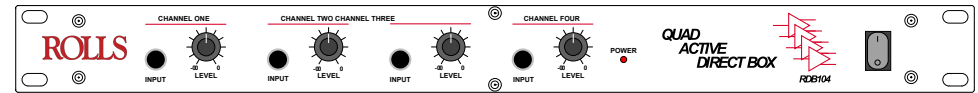
### FRONT PANEL

**NOTE: CHANNEL ONE THROUGH FOUR DESCRIPTIONS ARE IDENTICAL.**  
**INPUT:** 1/4" unbalanced jack for connection to an unbalanced, usually line-level, signal.

**LEVEL:** Varies the amount of input signal from -infinity (off) to 0 dB.

**POWER LED:** Indicates the RDB104 is connected to an AC outlet and power is applied.

**POWER SWITCH:** Applies power to the RDB104 when connected to an AC outlet.



### REAR PANEL

**NOTE: CHANNEL ONE THROUGH FOUR DESCRIPTIONS ARE IDENTICAL.**

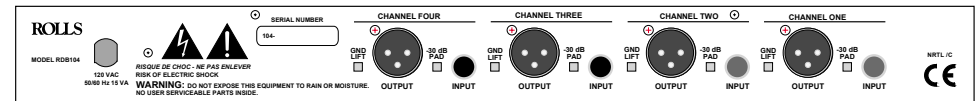
**GND LIFT:** Separates pin one of the XLR connector from the circuit ground.

**OUTPUT:** Balanced XLR jack containing the output signal. Pin 2 is "hot".

**30 dB PAD:** Pressing this switch in lowers or "pads" the output signal by 30 dB.

this provides a way to connect the output of the RDB104 to a mic input on a mixer.

**INPUT:** 1/4" unbalanced jack (parallels the front-panel Input jack.)



### BLOCK DIAGRAM

The diagram shown below represents one channel of the RDB104. All channels are identical.

