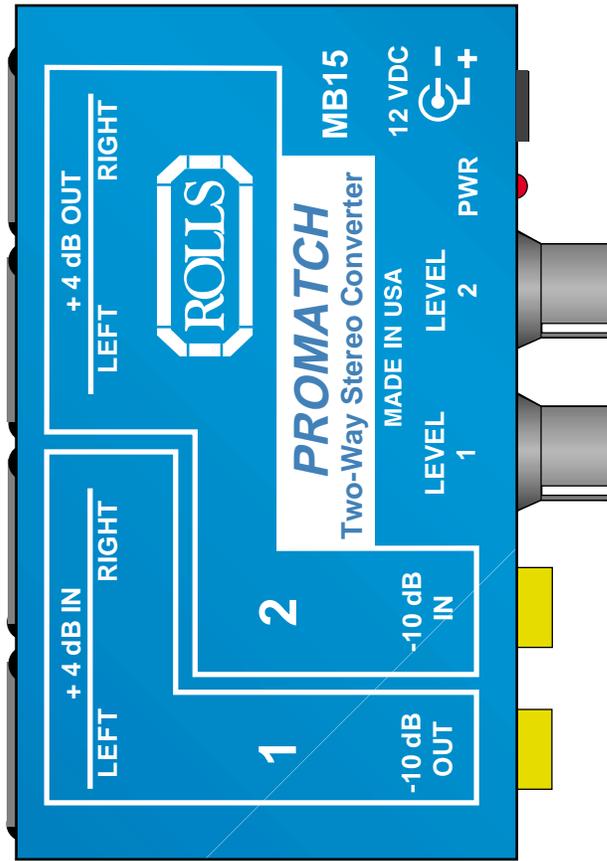


MB15 ProMatch



Owners Manual

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.

MB15 ProMATCH

The MB15 converts stereo consumer level signals to professional line level signals - and vice versa.

It may also serve as a balanced inline level control by patching the four RCA jacks together.

- Stereo Direct Box
- Stereo RCA to stereo XLR
- Stereo Level control for each channel
- Works as stereo balanced line level control



Rolls Corporation
Salt Lake City, UT
2/00



INTRODUCTION

Thank you for your purchase of the MB15 ProMatch Stereo Dual Converter. Specifically, the MB15 converts consumer level stereo RCA signals to balanced XLR professional line level - and back.

One side of the unit, labeled 1, has two XLR inputs and a stereo RCA output. The other side, labeled 2, has stereo RCA inputs and two XLR outputs.

Each side has a level control, and a front panel LED indicates when the unit is on.

DESCRIPTION

REAR PANEL

+4 dB IN LEFT and RIGHT XLR jacks: Female XLR jacks to be connected to the output of a professional line-level device such as a sound reinforcement mixing board or recording device.

+4 dB OUT LEFT and RIGHT XLR jacks: Male XLR jacks to be connected to the input of a professional line-level device such as a mixer or recording device.

FRONT PANEL

-10 OUT Stereo RCA jacks: For connection to the input of a consumer level device such as a cassette or CD player.

-10 IN Stereo RCA jacks: For connection to the output of a consumer level device such as a cassette or CD player.

LEVEL 1: Adjusts the signal level of channel one, or the +4 dB IN to -10 dB OUT channel.

LEVEL 2: Adjusts the signal level of channel two, or the -10 dB IN to +4 dB OUT channel.

PWR LED: Indicates that power is applied to the MB15.

12 VDC jack: For connection to the Rolls PS27 12 Volt DC power supply. The outside of the jack (barrel) is positive, the inside is negative.

CONSUMER LEVEL VS PROFESSIONAL LEVEL

The purpose of the MB15 is to connect consumer level equipment to professional level equipment. An explanation of these are addressed here. Consumer level signals typically come from devices such as camcorders, cassette decks, CD players, and home video players. Professional level signals are associated with devices found in recording studios and sound reinforcement systems like mixing boards, signal processors, and their associated amplifiers.

SPECIFICATIONS

Max Out:	Bal: +18 dB Unbal: +12 dB
Max In:	Bal: +22 dB Unbal: +22 dB
Input Impedance:	RCA: 100k Ohm XLR: 10 k Ohm
Output Impedance:	RCA: 100 Ohm XLR: 100 Ohm balanced
Noise Floor:	-88 dB
Gain:	+4 dB In: -8 dB -10 dB In: +20 dB
THD:	.003%
Power:	12 VDC 150 mA adapter (center negative)
Weight:	1 lbs. (.45 Kg)
Size:	4.15" x 2.46" x 1.55"

SCHEMATIC

