HMB115 Signal Converter

The HMB115 converts stereo consumer level signals to professional line level signals - and vice versa. It may also serve as a balanced in-line 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
- 1/8” Headphone level to line level adaptor

ROLLS

ROLLS CORPORATION
SALT LAKE CITY, UTAH
2/15

CE

ROLLS

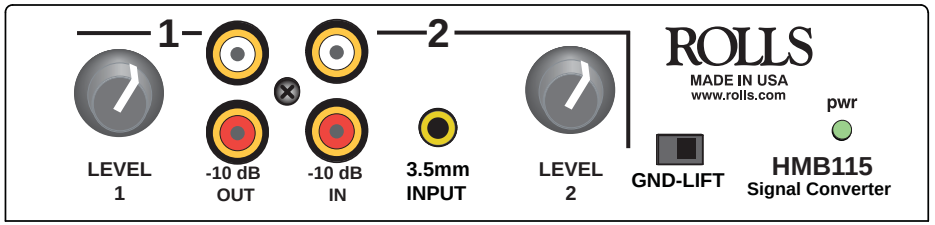
HMB115
Signal Converter

SPECIFICATIONS

Max Out:	XLR +16 dBv
	RCA (Front) +12dBv
	RCA (Rear) +12dBv
Max input:	XLR +12dBv
	3.5mm/RCA (Front) +30dBv
Max Gain:	3.5mm/RCA(front) 32dBv
	RCA to RCA +26dBv
	XLR to RCA +6dBv
THD+Noise:	-94dBv
Dimensions:	1.75” X 4” X 6.75”
Weight:	1.1 lbs.
Power:	100-240VAC 15VA (PS27s adapter)

Quick Start Guide

FRONT PANEL DESCRIPTION



-10dB OUT (CH1): This is a stereo RCA output. For connection to the input of a consumer level device such as a mixer or amplifier.

-10dB IN (CH2): Stereo RCA jacks: For connection to the output of a consumer level device such as a cassette or CD player.

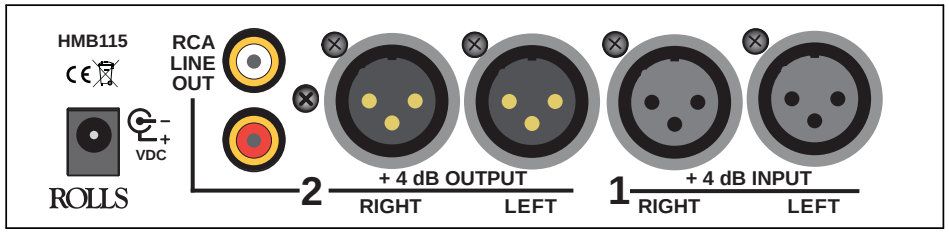
LEVEL 1: Adjusts the signal level of channel one, or the +4 dB IN to -10 dB OUT channel.

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

3.5mm (1/8") Stereo input (CH2): For connection to the output of a headphone level such as a computers headphone output or a mixers headphone output.

GND-LIFT: This is to lift or connect the RCA ground to the XLR ground. In some cases you might benefit from lower noise by lifting or connecting the grounds.

PWR LED: Indicates that power is applied to theHMB115.



REAR PANEL DESCRIPTION

+4 dB IN LEFT and RIGHT XLR jacks (CH1): 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 (CH2): Male XLR jacks to be connected to the input of a professional line-level device such as a mixer or recording device.

RCA - Line Out (CH2): The RCA out can be used with any input on CH2.

15 VDC jack: For connection to the Rolls PS27s 15 Volt DC power supply. The outside of the jack (barrel) is positive, the inside is negative.

OPERATION

CONSUMER LEVEL VS PROFESSIONAL LEVEL

The purpose of the HMB115 is to connect consumer level equipment to professional level equipment.

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.

The HMB115 was also designed to mount into a Rolls RMS270 rack tray. This is a professional option for mounting two HMB115's into a single space rack tray.