

THE MATCHBOX HD™

BI-DIRECTIONAL STEREO LEVEL & IMPEDANCE INTERFACE

Product Description

The rack-mountable Matchbox HD is the new high performance version of the industry's most popular analog level and impedance converter. Matchbox HD offers a true 100 dB S/N ratio, with 22 dB of headroom to yield 122 dB of dynamic range. It is the very best way to interface "consumer" or semi-pro equipment with professional audio gear.

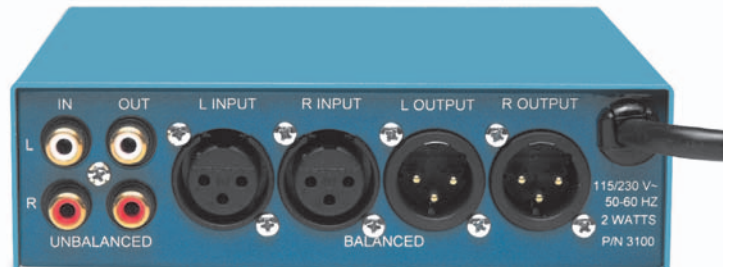
The Matchbox HD is a bi-directional unit, employing four independent amplifiers to convert stereo inputs and outputs from unbalanced -10 dBv levels to +4 dBm balanced 600 ohm lines. All four outputs can be adjusted to accommodate a wide range of operating levels.

The Matchbox HD also features a special HI GAIN mode to properly match the low-level unbalanced outputs of computer sound cards. The unit's direct-coupled circuitry and exceptional dynamic range provide absolute sonic transparency, making Matchbox HD ideal for use with digital editors, DAT recorders, and other digital audio sources.

The Matchbox HD has an internal AC power supply. It is 1/3 rack width and can be mounted using the optional rack shelf, or wall mounted with optional wall/cabinet mounting brackets.



Front

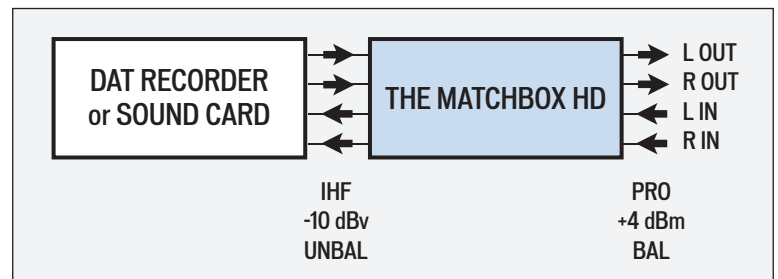


Back

Technical Specifications

IHF Input/Output Levels	-20 to 0 dBv
PRO Input/Output Levels	0 to +8 dBm, +26 dB max
IHF Input Impedance	10k ohms; HI GAIN 5k ohms
PRO Input Impedance	20k ohms
IHF Output Load	2k ohms or higher, unbalanced
PRO Output Load	600 ohms or higher, balanced
IHF to PRO Gain	+6 to +20 dB; HI GAIN add 6 dB
PRO to IHF Gain	-6 to infinity (off)
Number of Channels	4: 2 IHF to PRO and 2 PRO to IHF
Frequency Response	DC to 20kHz, ±0.25 dB
Distortion	< .01% IM/THD
Noise	-100 dB ref. +4 dBu, bal. -95 dB ref. -10 dBv, unbal.
Headroom	22 dB (bal.); 30 dB (unbal.)
Dynamic Range	122 dB (bal.), 125 dB (unbal.)
Power Requirements	115/230VAC, 50/60Hz, 3 W
Construction	Steel enclosure
Physical	5.7" w x 1.7" h x 6.0" d 3lbs
Mounting	Table top, optional rack mount shelf, optional wall/cabinet mounting brackets
Approval	City of Los Angeles Elect. Test Lab

Typical Application



No Wall-Warts!



Rack Mountable