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.



IN OUT LINPUT RINPUT LOUTPUT ROUTPUT

ROUTPUT ROUTPUT

115/230 V50-60 HZ
2 WATTS
P/N 3100

Front Back

Technical Specifications

IHF Input/Output Levels PRO Input/Output Levels IHF Input Impedance PRO Input Impedance

IHF Output Load
PRO Output Load
IHF to PRO Gain
PRO to IHF Gain

Number of Channels Frequency Response

Distortion

Noise

Headroom Dynamic Range Power Requirements

Construction

Physical

Mounting

Approval

-20 to 0 dBv

0 to +8 dBm, +26 dB max 10k ohms; HI GAIN 5k ohms

20k ohms

2k ohms or higher, unbalanced 600 ohms or higher, balanced +6 to +20 dB; HI GAIN add 6 dB

-6 to infinity (off)

4:2 IHF to PRO and 2 PRO to IHF

DC to 20kHz,±0.25 dB < .01% IM/THD -100 dB ref.+4 dBu, bal. -95 dB ref.-10 dBv, unbal. 22 dB (bal.); 30 dB (unbal.) 122 dB (bal.), 125 dB (unbal.) 115/230VAC, 50/60Hz, 3 W

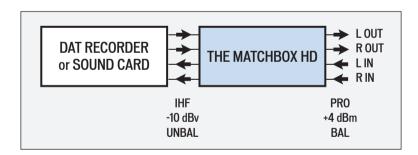
Steel enclosure

5.7"w x 1.7"h x 6.0"d 3lbs

Table top, optional rack mount shelf, optional wall/cabinet mounting brackets

City of Los Angeles Elect. Test Lab

Typical Application









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