

DB-2MM Two channel laptop direct box

- Converts unbalanced hi-Z signals to balanced
- Eliminates hum and buzz caused by ground loops
- Ruler flat frequency response from 10 Hz to 100 kHz
- 3.5mm and RCA inputs for easy connection

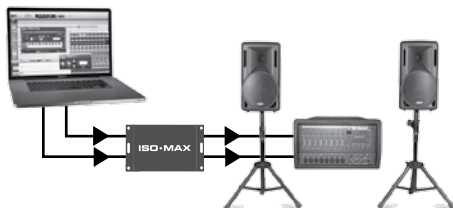


The Iso•Max DB-2MM is a stereo direct box designed to drive unbalanced hi-Z signals distances to 100 meters (300') or more at mic level without high frequency loss or introducing noise into the signal path.

The design begins with a rugged aluminum enclosure and rubber feet for scratch free table mounting. The DB-2MM comes standard with RCA and 3.5mm inputs and XLR outputs. Inside, two high-performance Jensen JT-DB-EPC transformers provide galvanic isolation as they passively lower the impedance and perform the balancing. Transformers provide isolation between the source and the destination and are extremely effective at eliminating hum and buzz caused by ground loops. This is augmented with a ground lift switch at the XLR outputs. An external mu-metal[®] can further protect the sensitive internal workings to ensure a quiet interference-free performance even when surrounded by magnetic fields from amplifiers, power supplies and stage light dimmers. A handy stereo-to-mono switch makes it easy to reduce the output channel count or send the same balanced signal to two destinations at once.

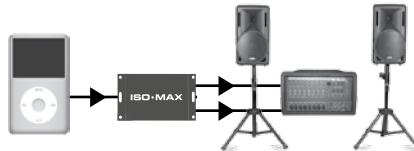
With over +22 dB of signal handling capacity at 20 Hz, the DB-2MM gracefully handles extreme signals such as those produced by uncompressed audio files while producing a warm Bessel response that is pleasing to the ear. Plug and play with no power required, the DB-2MM is the ideal choice for AV technicians that need a quick and simple solution.

Applications



Laptop DI to PA system

The DB-2MM operates in true stereo (dual mono) making it ideal for stereo devices like laptops and DVD players. You can connect with RCA or 3.5mm jacks, quick and adapter-free.



Consumer Audio to PA system

The DB-2MM is perfect for interfacing consumer audio electronics with pro PA and recording equipment. The RCA and 3.5mm inputs on the DB-2MM can sum the left and right stereo channels to a mono output.

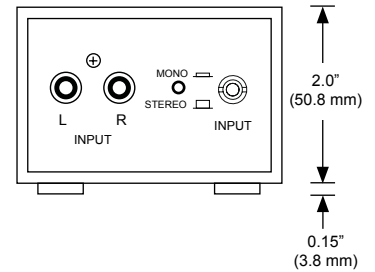


DVD player to PA system

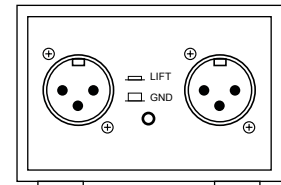
Connect the line level output from your CD player or hi-fi using the convenient RCA jacks to feed the PA system at the far end of the room.

Dimensions

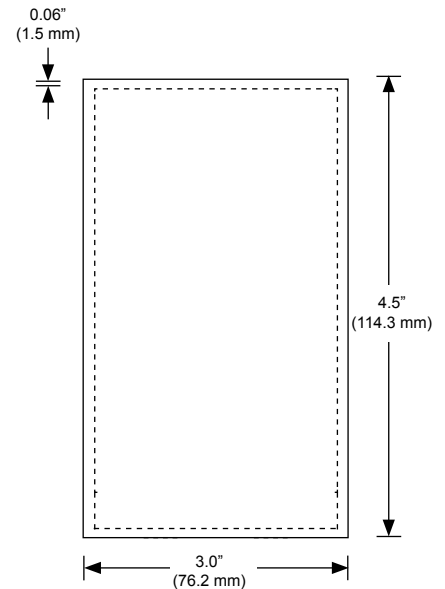
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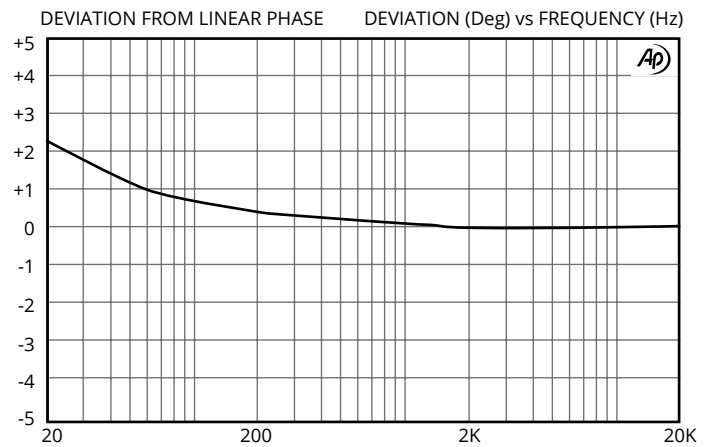
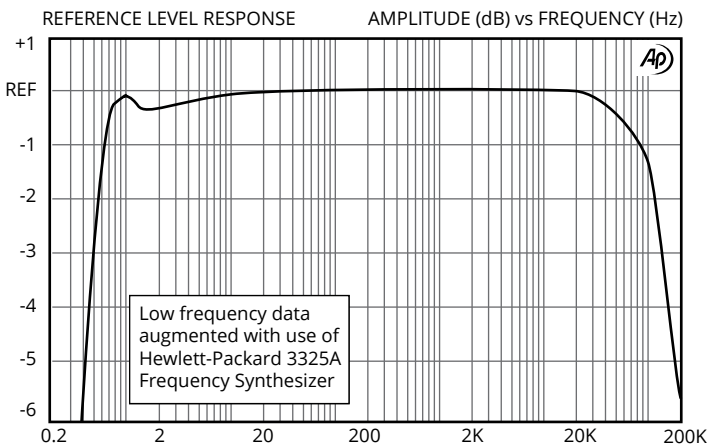
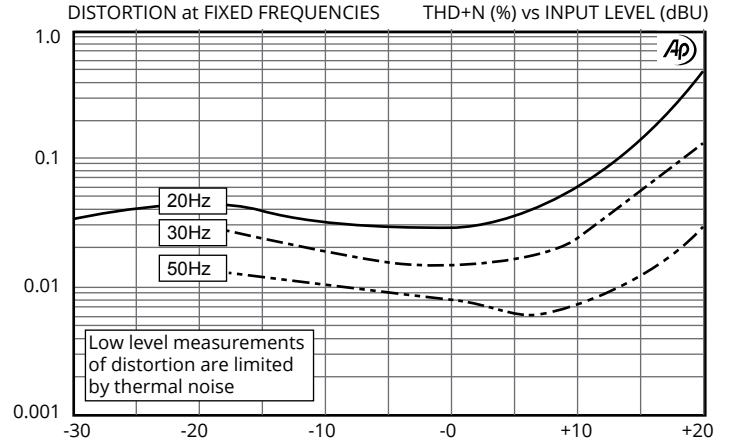
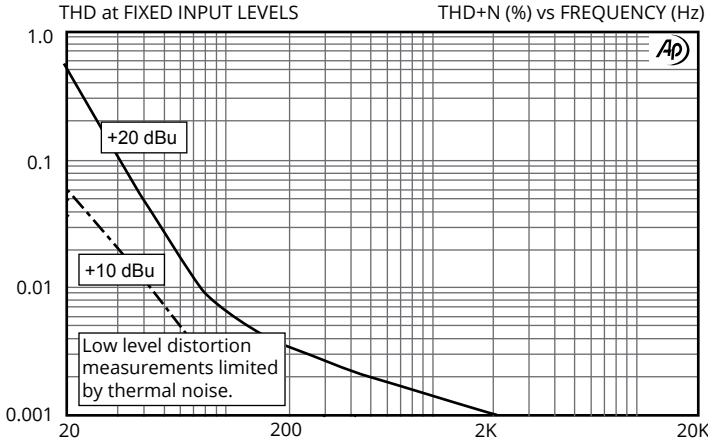


(BACK)



(TOP)





PARAMETER	CONDITIONS	MINIMUM	TYPICAL	MAXIMUM
Input impedance, Zi	1 kHz, 0 dBu	81 kΩ	110 kΩ	120 kΩ
Voltage gain	1 kHz, 0 dBu		-22.2 dB	
Magnitude response, ref 1 kHz	20 Hz, +4 dBu	-0.25 dB	-0.08 dB	0.0 dB
	20 kHz, +4 dBu	-0.25 dB	-0.07 dB	+0.1 dB
Deviation from linear phase (DLP)	20 Hz to 20 kHz, +4 dBu		+1.2/-0°	±2.0°
Distortion (THD)	1 kHz, +4 dBu		<0.001%	
	20 Hz, +4 dBu		0.036%	0.10%
Maximum 20 Hz input level	1% THD	+19.5 dBu	+21.5 dBu	
Input common mode rejection ratio (CMRR) unbalanced source	60 Hz		80 dB	
	3 kHz	40 dB	45 dB	
Output impedance, Zo	1 kHz	145 Ω	150 Ω	155 Ω
Optimal cable length	input		3 m (10')	15 m (50')
	output		30 m (100')	150 m (500')
Temperature range	operation or storage	0°C		70°C
Breakdown voltage**	primary or secondary to shield and case, 60 Hz, 1 minute test duration	250 V RMS		

All levels are input unless noted

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** IMPORTANT NOTE: THIS PRODUCT IS NOT INTENDED FOR USE IN CIRCUMSTANCES WHERE THE DC OR PEAK AC VOLTAGE BETWEEN INPUT AND OUTPUT CONNECTIONS EXCEEDS 34 VOLTS OR WHERE ITS FAILURE COULD CAUSE INJURY OR DEATH.