

MS-2XX Two channel mic splitter

- Stereo isolator sends mic signal to two outputs
- Delivers exceptionally low distortion down to 20 Hz
- Ruler flat frequency response from 5 Hz to 100 kHz
- Plug and play easy to use, no power required

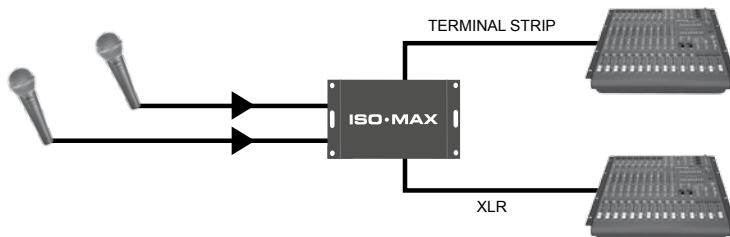


The Iso•Max MS-2XX is a passive two channel mic splitter that lets you take a microphone signal and send it to two consoles at the same time.

The design begins with a rugged flanged steel enclosure for easy mounting in a rack or inside a NEMA enclosure. Standard gold plated 3-pin XLR-female inputs and XLR-male isolated outputs. Removable screw-down terminal block as a direct output and phantom power return for condenser mics. Inside are two premium Jensen mic bridging transformers equipped with dual faraday internal shields and external mu-metal cans. These isolate the two consoles, eliminating ground loops while reducing common-mode noise by as much as 130 dB. This is augmented with a 8 position DIP switch that lets you optimize grounding and RF filtering to suit your specific installation needs.

Made for the most demanding professionals, the MS-2XX delivers a ruler flat response from 5 Hz to 100 kHz with less than 2° phase shift at 20 Hz. This makes the MS-2XX ideal for isolating or distributing mic signals in recording studios, broadcast houses and performance venues.

Applications

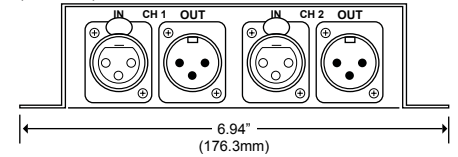


MS-2XX with dynamic mics

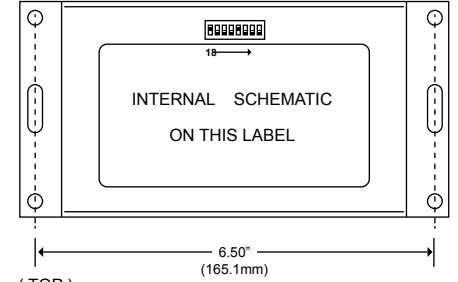
To eliminate noise, isolate your microphones using the XLR-female inputs and send the output to your mixing console via the XLR-males. For mic splitting, use the screw-down terminal block as a direct out. This also lets you pass 48V phantom for condenser microphones.

Dimensions

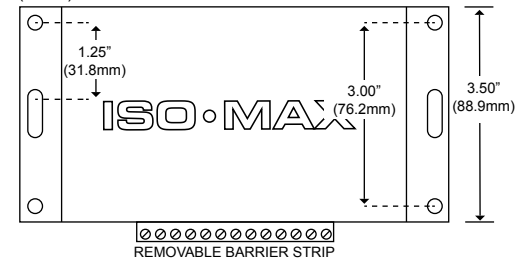
(FRONT)



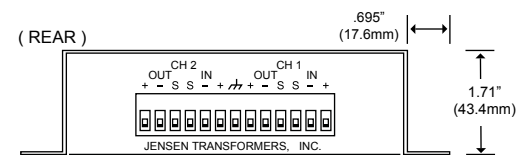
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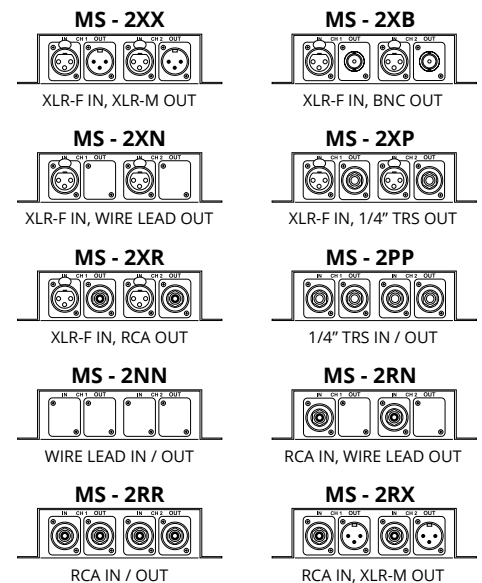


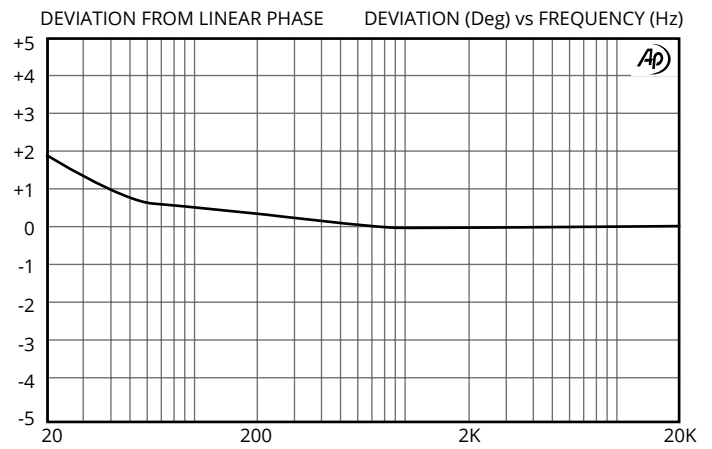
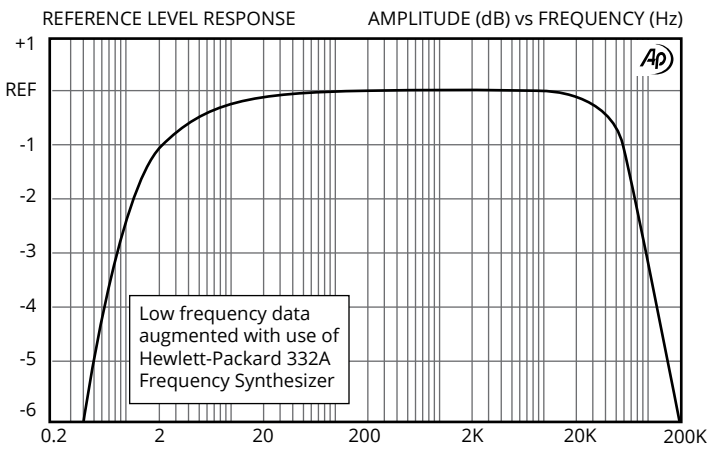
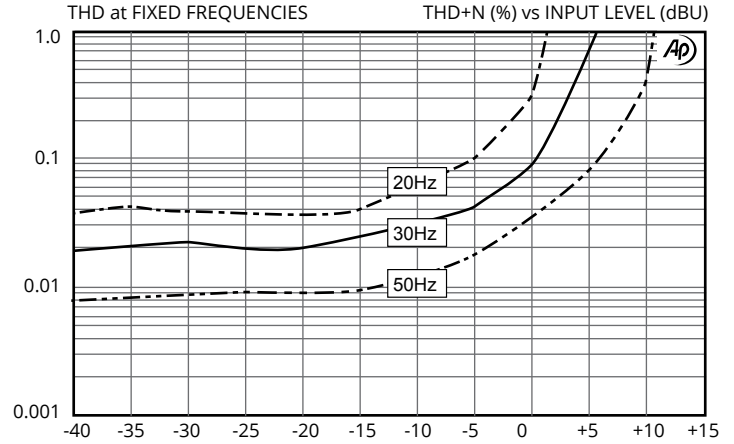
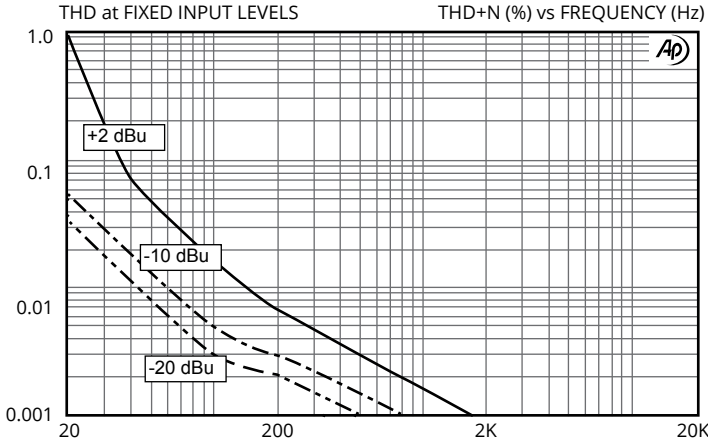
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Connector options

The MS-2XX comes standard with XLR inputs and outputs. It is also available special order with the following connector configurations for use with both balanced and unbalanced systems.

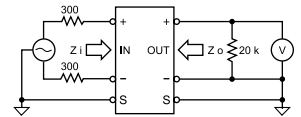




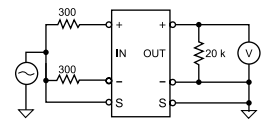
PARAMETER	CONDITIONS	MINIMUM	TYPICAL	MAXIMUM
Input impedance, Zi	1 kHz, -20 dBu, test circuit 1	1.00 kΩ	1.08 kΩ	1.15 kΩ
Insertion loss	1 kHz, -20 dBu, test circuit 1	-0.90 dB	-0.82 dB	-0.70 dB
Magnitude response, ref 1 kHz	20 Hz, -20 dBu, test circuit 1	-0.25 dB	-0.09 dB	±0.0 dB
	20 kHz, -20 dBu, test circuit 1	-0.25 dB	-0.10 dB	+0.1 dB
Deviation from linear phase (DLP)	20 Hz to 20 kHz, -20 dBu, test circuit 1		+1.7/-0°	±3.0°
Distortion (THD)	1 kHz, -20 dBu, test circuit 1		<0.001%	
	20 Hz, -20 dBu, test circuit 1		0.036%	0.15%
Maximum 20 Hz input level	1% THD, test circuit 1	0 dBu	+2.0 dBu	
Common - mode rejection ratio (CMRR) 600 Ω balanced / unbalanced source	60 Hz, test circuit 2 / 3		130 dB / 155 dB	
	3 kHz, test circuit 2 / 3	80 dB / 65 dB	95 dB / 80 dB	
Recommended source impedance	output impedance of device driving ISO-MAX input	0 Ω	150 Ω	500 Ω
Recommended load impedance	input impedance of device loading ISO-MAX output	1.0 kΩ	1.5 kΩ	
Output impedance, Zo	1 kHz, test circuit 1		231 Ω	
Optimal cable length	input		8 m (26')	30 m (100')
	output		30 m (100')	100 m (300')
Temperature range	operation or storage	0°C		70°C
Input to Output Voltage Difference*	any input to any output shield or any shield to case, 60 Hz			24 V RMS 34 V peak

All levels are input unless noted, +4 dBu = 1.23 V RMS

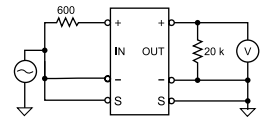
Test Circuit 1:



Test Circuit 2:



Test Circuit 3:



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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.