

Hear Technologies MB 16x12x2x2 Mix Back Flexible and Affordable Monitor Mixer

Passive Microphone Split (Each Channel)	
Mic In to Mic Out:	Passive
Mic Power:	+18 VDC
Pin 1 Lift:	Output XLR
Mic Input to Insert Output	
Conditions: +14 dBu input, Gain full CCW, 150 Ω , Balanced	
Frequency Response:	20 Hz to 20 KHz, +/- 0.05 dBu
	10 Hz to 120 KHz, +/- 0.3 dBu
THD+N:	0.002%, 22 Hz to 22 KHz, unweighted
IMD:	0.004%
EIN:	-121 dBu, 150 Ω Source, -40 dBu input
Mic Pre to Master Output	
Conditions: 0 dBu input, Gain full CCW, 150 Ω , Balanced	
Frequency Response:	20 Hz to 20 KHz, +/- 0.5 dBu
THD+N:	0.004%, 22 Hz to 22 KHz, unweighted
IMD:	0.004%
Maximum Gain:	60 dBu, EQ Flat
Line Inputs to Insert Outputs	
Conditions: +18 dBu input, Gain full CCW, 150 Ω , Balanced	
Frequency Response:	20 Hz to 20 KHz, +/- 0.3 dBu
THD+N:	0.005%, 22 Hz to 22 KHz, unweighted
IMD:	0.005%
Maximum Gain:	10K Ω , balanced
Attenuation:	18 dB
Channel Equalization	
Hi Frequency:	10 KHz shelving, +/- 15 dB
Hi Mid Frequency:	500 Hz to 15 KHz, +/- 15 dB
Lo Mid Frequency:	50 Hz to 3 KHz, +/- 15 dB
Lo Frequency:	100 Hz shelving, +/- 15 dB
Hi-Pass Filter:	100 Hz, 3 pole, 18 dB/Octave
Buss Inputs to Master Outputs	
Conditions: +4 dBu input, 150 Ohms, Balanced	
Frequency Response:	20 Hz to 20 KHz, +/- 0.2 dBu
THD+N:	0.005%
IMD:	0.005%
Input Impedance:	10K Ω , balanced
Digital Output:	
ADAT Output:	24 Bit, 44.1 KHz / 48 KHz Selectable
HearBus Output:	24 Bit, 44.1 KHz / 48 KHz Selectable
ADAT/HearBus 1:	Master 1 L/R, Channels 1-6
ADAT/HearBus 2:	Master 2 L/R, Channels 7-12
Analog Line Outputs	
Maximum Output Level:	+24 dBu, TRS Balanced
Output Impedance:	121 Ω , balanced
Talkback Mic Pre Amplifier	
Conditions: -40 dBu input, 150 Ω , Balanced	
Frequency Response:	20 Hz to 20 KHz, +/- 1.5 dBu
Gain:	Off to 50 dBu, variable
Line Output:	121 Ω , TRS Balanced
Input Impedance:	1K Ω , balanced

THD:	0.05%
IMD:	0.09%
Remote Control:	1-12, ST1, ST2, COM, ALL
Remote Cable:	CAT5e, 500 ft. max, wired pin-to-pin
Effects (FX) Return	
Conditions: +4 dBu input, 150 Ω, Balanced	
Frequency Response:	20 Hz to 20 KHz, +/- 0.5 dBu
Gain, FX return to Master:	1 dB, Master at center
THD+N:	0.0025%, 20 Hz to 20 KHz
IMD:	0.0027%, 20 Hz to 20 KHz
Input Impedance:	10K Ω, balanced
Maximum Input Level:	+10 dBu, control centered
Stereo Aux Input	
Conditions: +4 dBu input, 150 Ω, Balanced	
Frequency Response:	20 Hz to 20 KHz, +/- 0.5 dBu
Gain:	Off to +6 dBu, Aux to Stereo Masters
THD+N:	0.0033%, 20 Hz to 20 KHz
IMD:	0.004%, 20 Hz to 20 KHz
Input Impedance:	10K Ω, balanced
Maximum Input Level:	+8 dBu
Power Supply (Universal)	
Input Voltage:	100 to 240 VAC~, 50-60 Hz
Input Current:	2 Amps
Maximum Continuous Input Power:	240 Watts
Fuse (Internal):	3.15 Amp
Inrush:	60 Amps, 2 mSec
Short Circuit Protection:	Yes
AC Input Connector:	IEC 320-C14, International
Agency Listing:	FCC class B, CISPR 22 class B, IEC 60950-1 safety, EN 61000-4-2, 4-4, 4-5
Physical	
Construction:	Steel Chassis / Steel Front Panel
Size (with 1" handles):	19.23" H x 19" W x 5.35" D (488mm H x 482.6mm W x 135mm D)
Unit Weight:	30.8 lbs (14 kg)
Mounting	Standard rack mount, 11RU
Shipping size:	10.55" H x 25.0" W x 24.53" D (268mm H x 635mm W x 623mm D)
Shipping Weight:	42.9 lb. (19.5 kg)

Note: 0 dBu = 0.775 Vrms. Specifications and features subject to change without notice.

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