



5-Year Warranty



Hand-built in Webster, NY



MX-206 6-CHANNEL, STEREO MICROPHONE MIXER

Designed to be used by itself or as a supplement to larger mixing consoles, the **MX-206** provides superior audio performance in a single rack-space package. Equally at home in either fixed or portable installations, the MX-206 may be used anywhere where additional microphone inputs are needed. Typical applications include live sound reinforcement, broadcast, recording, and film/video production.

The MX-206 is a rack-mountable six input channel stereo microphone mixer offering up to 84dB of gain for distant mic placements or extremely low-level signals. Ultra low-noise, studio-grade discrete mic preamps are utilized. Each channel has a switchable 20dB pad, a 3-position mic gain switch input level and pan controls, and clip LED indicators, 48V phantom power may be switched in for use with condenser mics. A separate Stereo Line In volume control adjusts line level sources, such as a CD or MP3 player, connected to rear-panel RCA inputs or portable audio source connected to the 3.5mm jack located on the front panel. Since plenty of headroom has been designed into the MX-206, even the loudest signals can be handled without distortion.

Output is monitored via two 5-segment, multi-colored LED meters, along with separate Peak Clip Indicators. The transformer-isolated XLR balanced mono output is capable of driving +24dBu into 600 Ohms, and separate stereo TRS 1/4" outputs may be used either balanced or unbalanced. A Stereo Line Out is available on RCA jacks.

The MX-206 provides superior audio performance in a rugged and durable package. Backed by Ashly's exclusive Five Year Worry-Free Warranty, the MX-206 is designed to provide many years of trouble-free operation.

MX-206 Features:

- Convenient, 3.5mm stereo line in jack on front panel for MP3 players and smartphones
- High-gain mic preamps (60dB)
- Transformer isolated +24dBm 600 Ohm balanced XLR-mono output
- Stereo line in/out
- Pan control on each channel
- Stereo headphone jack with level control
- 20dB input pad switch
- +48V phantom power
- Universal power supply
- Safety/Compliance: cTUVus, CE, FCC, RoHS

Specifications Note: 0dBu = 0.775 VRMS

Distortion, Hum and Noise	
THD @ +20dBu, 20Hz–20kHz, input switch at -40dB	<0.05%
IMD (SMPTE) @ +20dBu, input switch at -40dB	<0.02%
Equivalent Input Hum and Noise (input switch -60dB)	<-128dBu
Residual Output Noise, TRS Outputs (All Levels @ min)	<-100dBu
Residual Output Noise, XLR Outputs	<-90dBu
Master Level at nominal, (All Ch. Level controls @ min)	<-84dBu
Master Level and 1 Ch. Level at nominal	<-80dBu
Voltage Gain (±2dB)	
Mic Input to Master Output, 600 Ohm load	84dB
Aux In to Master Output	28dB
Frequency Response	
20Hz–20kHz	+0/-0.5dB
Crosstalk	
Between any inputs or outputs (20Hz–20kHz)	<-60dB
Metering	
VU Meters	Two 5-segment LED meters, 0VU = +4dBu
Peak Indicators	Peak Clip indicator on each input channel and L/R outputs, illuminates 3dB below clipping
Weights, Dimensions & Power	
Dimensions	19" W x 1.75" H x 9.4" D (483mm x 44mm x 239mm)
Unit Weight	6.8lbs (3.9kg)
Shipping Weight	11lbs (5kg)
Power Requirements	100–240 VAC, 50–60Hz, 30W



Unless otherwise stated, specification conditions are: 150 Ohm source, input set at "-40", all other controls set at nominal, XLR output into 600 Ohm or greater.

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MX-206 ARCHITECT & ENGINEERING SPECS

The unit shall be a six input stereo microphone mixer with TRS stereo outputs as well as a transformer-isolated +24 dBm , 600 ohm balanced XLR mono output. There shall be +48 volts of phantom power available for condenser microphones, with gradual power-up and down of this phantom power to eliminate any transient spikes. Total voltage gain measured from each microphone input to the Main Outputs shall be a minimum of 84dB. Each of the six microphone channels shall have 40dB of adjustable gain via a front panel 3 position slide switch. Each input shall also have a 20dB pad switch on the rear of the unit, making a total of 60dB of possible gain/attenuation. Each channel shall have a continuously variable pan control. There shall be a peak Clip LED indicator on each input channel which shall illuminate when the input is 3dB below true clipping, and another Clip indicator on the output of the mixer which shall illuminate when the output is within 3dB of actual clipping. Two 5-segment LED meters must be provided to monitor the mixer output, calibrated for 0 VU to equal +4dBu. There shall be a separate stereo line input with front panel level control, having rear panel connection via RCA phono jacks and front panel connection via 3.5mm stereo phone jack. There shall also be a separate stereo line output available on the rear panel with access via RCA phono jacks. Distortion shall be less than 0.02% Total Harmonic Distortion at +20dBu (20Hz to 20kHz) and less than 0.02% Intermodulation Distortion (SMPTE) at +20dBu (input switch at -40dB). Hum and Noise shall be less than -100dBu residual output noise when all levels are set at minimum. Frequency Response shall be +/- .5dB, 20Hz-20kHz. Crosstalk of the unit shall be less than -60dB when measuring adjacent inputs or input to output at 20kHz. Dimensions of the model shall be 19" wide x 1.75" high x 9.4" deep. The mixer shall be made in America, with a 11 pound shipping weight. The mixer shall be the model MX-206, manufactured by Ashly Audio, Inc. of Webster, New York. No other unit shall be acceptable unless data submitted from an independent test laboratory verifies that the above specifications are met.

The mixer shall be an Ashly model **MX-206**

