

### ARCHITECTS SPECIFICATIONS

#### MX-206

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 Master Output 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 +4 dbu. There shall be a separate stereo

aux input with front panel level control, having rear panel connection via RCA phono jacks. There shall also be a separate stereo aux 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 0.05% Intermodulation Distortion (SMPTE) at +20 dBu (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 +0/-5dB, 20 Hz-20 kHz. 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 6.6" deep. The mixer shall be made in America, with a 10 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.

- High Gain (84dB Channel Input to Program Output) Ensures Full Output with Low Level or Distant Mics
- Transformer Isolated +24dBm 600 ohm Balanced XLR Mono Output
- Pan Control on Each Channel
- +48V Phantom Power for Condenser Mics
- Auxillary Tape/CD Inputs and Outputs
- Stereo Headphone Jack with Level Control
- U.L. Listed

## General Specifications MX-206:

### Total Harmonic Distortion:

< 0.05 % @ +20 dBu, 20 Hz-20 KHz; input switch at -40dB

### IMD (SMPTE IM distortion):

< 0.02 % @ +20 dBu, input switch at -40dB

### HUM & NOISE: (20 Hz-20 KHz noise bandwidth, input switch at -60dB)

- < -129 dBu equivalent input hum and noise
- < -100 dBu residual output noise; all level controls minimum
- < -84 dBu Master Out, Master Level at nominal, all Ch. Level controls at min
- < -67 dBu Master Out; Master Level and one Ch. Level at nominal

### FREQUENCY RESPONSE:

20 Hz-20 KHz, +0/-0.5 dB

### MAXIMUM VOLTAGE GAIN:

84 ± 2 dB: MIC INPUT to MASTER OUTPUT

34 ± 2 dB: AUX INPUT to MASTER OUTPUT

### CROSSTALK:

< -60 dB @ 20KHz, between any inputs or outputs

### VU METER:

Two 5-segment LED meters, 0 VU = +4 dBu

### PEAK INDICATORS:

Peak CLIP indicator on each input channel and on outputs, illuminating 3 dB below clipping

### PHANTOM POWER:

+48 VDC applied to all MIC INPUTS, switchable on back panel.  
Gradual power-up and down to eliminate "pops."

### POWER REQUIREMENTS:

120 VAC nominal, 93 VAC minimum, 50-60 Hz, 17 watts. (240 VAC available)

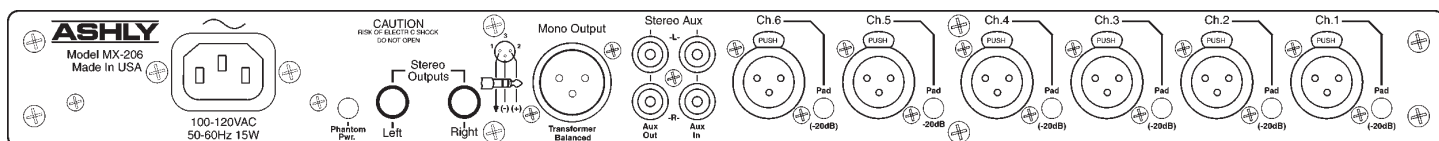
### DIMENSIONS:

19" L x 1.75" H x 6.6" D

### SHIPPING WEIGHT:

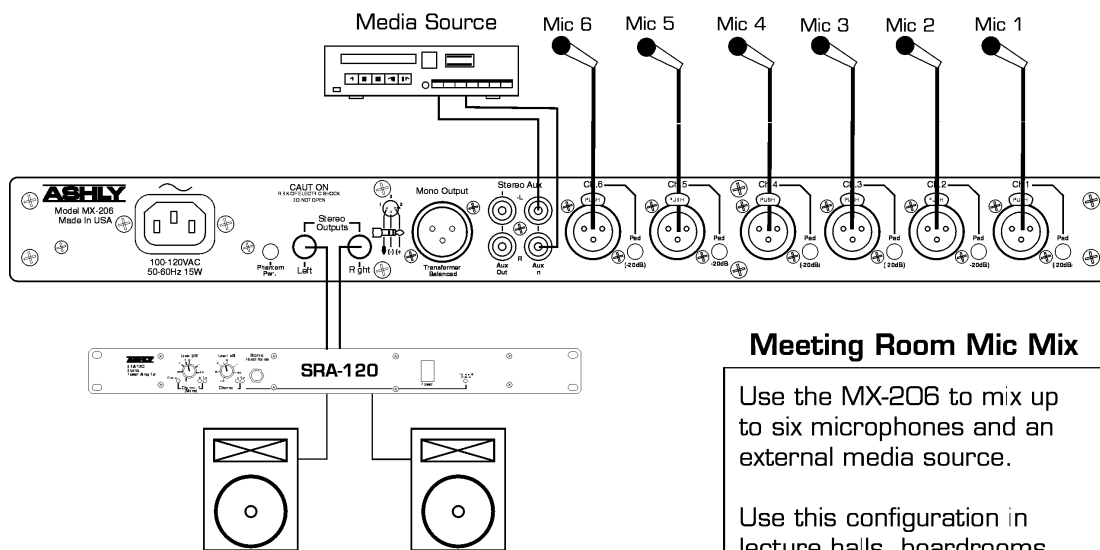
10 lbs. maximum

## MX-206 Rear Panel



## Applications:

Live Sound Reinforcement, Conference Rooms, Lecture Halls, Houses of Worship, Broadcast, Recording, and Film/Video Production.



### Meeting Room Mic Mix

Use the MX-206 to mix up to six microphones and an external media source.

Use this configuration in lecture halls, boardrooms, or meeting rooms where presentations are given.

Ashly manufactures a complete and comprehensive line of Graphic and Parametric Equalizers, Electronic Crossovers, Power Amplifiers, Compressor-Limiters, Mixers, and Amplifier Input Options. Please call, write or visit our web site for information on any of these Ashly Products.

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