



MA Series Mixer Amplifiers

Sales Guide



MA Series Mixer/Amplifier Sales Guide

The MA series of professional rack mount mixer/amplifiers are designed for BGM/paging and public address system installations where expandability and flexibility is the ticket. These new units are exceptional values, loaded with features and are easy to install in a variety of system designs.

The MA-1206 and MA-606 provide a powerful 60 watts of output power into 70v/100v or 8 ohm loads. The MA-1212 has the same feature set but supplies twice the power at 120 watts. Both models have a variety of features to enable them to be customized to a wide range of background music and paging applications.

The MA1206 and MA1212 units feature 12 separate input channels. Input channels 1-10 are designed to be used as either balanced or unbalanced low-Z microphone inputs or they can be switched to a line level signal. Phantom power is also available on any of the 10 inputs. A signal appearing at input 1 will automatically mute the other channels unless the mute function is defeated via a switch on the front panel. Inputs 11 and 12 are for auxiliary line-level sources such as tape or CD players. Mono or stereo signals may be applied to inputs 11 or 12. The left and right components of a stereo signal can be applied to the dual RCA phono jacks of these inputs and mixed together to drive the built-in monaural power amplifier. A rear panel paging input with gain control is provided for the paging output of a telephone system. An audio signal appearing at this input automatically mutes all other inputs.

The MA-606 offers the same functionality as the 1206 and 1212 as described above but provides 4 combination mic/line inputs and two stereo summing inputs. The MA606 is ideal for installations where fewer sources are needed.

On all units a preamplifier output jack and power amplifier input jack permit the mixed output to be fed to an external signal processor (graphic EQ or compressor), and then returned to the built-in amplifier. The preamp output may be used to drive an additional power amp with its own set of speakers without interrupting the function of the built-in amplifier.

The speaker output is available at a barrier strip which includes terminals for driving low impedance loudspeaker loads, as well as 25, 70.7 or 100 volt distributed systems.

The KEY EV Advantages!

- ? Combination balanced mic **OR** line inputs – All available with 24v phantom power!
- ? 2 Auxiliary stereo summing inputs with 4 level sensitivity adjustment.
- ? 60 or 120 watt models available
- ? Balanced line level output for adding additional power amplifiers.
- ? 24 volt powered operation available for emergency power requirements
- ? Adjustable level telephone paging input.
- ? Independently adjustable low power monitor output.
- ? Integrated ‘rack ears’ allow for rack mounting without additional accessories.

Key markets and applications

- ? Warehouses
- ? Shopping malls
- ? Retail stores
- ? Churches
- ? Office lobbies
- ? Hotel conference rooms
- ? Dentist/Doctor waiting rooms

.....And any other installation involving background music and paging.

Product Specifications:

	MA-1212	MA-1206 / MA-606
Power Output (at 1 kHz):	120 Watts	60 Watts
Frequency Response:	50 Hz - 15 kHz, ± 3 dB	50 Hz - 15 kHz, ± 3 dB
Input Sensitivity/Impedance,		
Combination Inputs - Mic setting:	0.3 mV/600 ohm (balanced)	0.3 mV/600 ohm (balanced)
Combination Inputs - Line setting:	75 mV/47kohm (balanced)	75 mV/47kohm (balanced)
Paging:	-20 dBm/600 ohm (transformer isolated)	-20 dBm/600 ohm (transformer isolated)
Power Amp In:	1 V/10 kohm (unbalanced)	1 V/10 kohm (unbalanced)
Aux:	100 mV to 1V/ (unbalanced)	100 mV to 1V/ (unbalanced)
THD (at rated output):	<1% at 1 kHz	<1% at 1 kHz
Signal-to-Noise Ratio,		
Mic :	>52 dB	>52 dB
Aux:	> 65 dB	> 65 dB
Paging:	> 65 dB	> 65 dB
Power Amp In:	>90 dB	>90 dB
Line Output Level/Impedance,		
Preamp Output:	1 V/1 kohm (unbalanced)	1 V/1 kohm (unbalanced)
Balanced Line Output:	500 mV/47 kohm (unbalanced)	500 mV/47 kohm (unbalanced)
Speaker Outputs:	4, 8, 16 ohm, 25, 70.7 and 100-Volt	4, 8, 16 ohm, 25, 70.7 and 100-Volt
Tone Controls,		
Bass:	+ -10 dB at 100 Hz	+ -10 dB at 100 Hz
Treble:	+ -10 dB at 10 kHz	+ -10 dB at 10 kHz
Muting:	40 dB attenuation	40 dB attenuation
Protection :	3 independent Slo-Blo \oplus fuses, primary ac and dc	3 independent Slo-Blo \oplus fuses, primary ac and dc
Power Dissipation:	390 watts	250 watts (MA606 220 watts)
Power Supply:	108-132 V ac, 50/60 Hz	108-132 V ac, 50/60 Hz
Dimensions		
Height:	15.0 cm (5.9 in.)	15.0 cm (5.9 in.)
Width:	48.0 cm (18.9 in.)	48.0 cm (18.9 in.)
Depth:	32.0 cm (12.6 in.)	32.0 cm (12.6 in.)
Net Weight:	12.0 kg (26.5 lb)	9.0 kg (19.9 lb) (MA606 9 kg)
Shipping Weight:	12.7 kg (28.0 lb)	9.7 kg (21.4 lb) (MA606 9.5 kg)

Mixer/Amplifier Competitive Comparison

Brand	Model	Primary Market	Channels	Inputs	Power	Rack Height	TX Outputs	End Column
Ultrak	KAA2035M	Com	1	4	35	2	Y	\$112
Ultrak	KAA2060M	Com	1	4	60	2	Y	\$135
Bogen	C35	Com	1	4	35	2	Y	\$207
Ultrak	KAB2060M	Com	1	5	60	3	Y	\$219
EV	MA-606	Com	1	6	60	3	Y	\$249
Ultrak	KAB2120M	Com	1	5	120	3	Y	\$249
Bogen	C60	Com	1	4	60	2	Y	\$259
Bogen	GS35	Com	1	6	35	2	Y	\$259
Bogen	CTS-1035	Com	1	5	35	2	Y	\$272
EV	MA-1206	Com	1	12	60	3	Y	\$299
Bogen	C100	Com	1	4	100	2	Y	\$305
Bogen	CTS-1060	Com	1	5	60	2	Y	\$323
Bogen	GS60	Com	1	6	60	2	Y	\$330
Ultrak	KAB2240M	Com	1	5	240	3	Y	\$343
EV	MA-1212	Com	1	12	120	3	Y	\$349
Bogen	GS100	Com	1	6	100	2	Y	\$376
Bogen	CTS-1100	Com	1	5	100	2	Y	\$378
Bogen	GS150	Com	1	6	150	2	Y	\$433
Bogen	GS250	Com	1	6	250	2	Y	\$569
TOA	A-912MK2	Com	1	8	60	3	Y	\$640
TOA	A-906MK2	Com	1	8	120	3	Y	\$720

As shown in the competitive comparison chart the new MA series models offer far more flexibility at the same price. The new units are a great addition to many system designs.