



The autoONE Automatic Mixer is affordable, extremely versatile, and easy to use. Features include NOM attenuation, adaptive threshold sensing, speech-frequency filtering, manual priority override, selectable channel-off attenuation, and selectable last mic hold. The autoONE is compatible with all other BIAMP products, providing the ultimate expandable system. The autoONE is covered by BIAMP's five-year warranty.

FEATURES

- eight balanced mic/line inputs on plug-in barrier connectors
- trim, pad, level, & active/peak indicator per channel
- channel 1 manual 'override' via external contact-closure
- channel 8 'mix-minus' assign & 'ducking' via channels 1~7
- balanced main & aux outputs on plug-in barrier connectors
- selectable last mic on, hpf, automix, & 24V phantom power
- selectable automix channel-off attenuation (-12dB or -40dB)
- pre/post automix assignment to main, aux, & patch outputs
- external switches select options (no internal jumpers)
- logic outputs from channels for switching of external circuits
- Adaptive Threshold Sensing minimizes false gate triggering
- Speech-Frequency Filter minimizes false gating due to noise
- 6dB of hysteresis reduces gate 'flutter' when near threshold
- optional external 48V phantom power supply (user installed)
- 'stacking' of multiple units to expand system input capability
- DC Out jack for powering other BIAMP products
- incorporates **AES** recommended grounding practices
- **CE** marked and **UL / C-UL** listed power source
- covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The automatic mixer shall provide eight balanced mic/line input channels. Each input channel shall include trim, pad, & level controls, as well as a combined active/peak indicator and a TRS ¼" phone patch jack. DIP switches on each channel shall allow selection of gating, 24V phantom power, & patch jack pre/post gate. Channels 1~7 shall be individually assignable to trigger signal present ducking of channel 8 by 12dB. Channel 8 assignment to an auxiliary output shall be defeatable, to provide a mix-minus capability. Each input channel shall provide a discrete transistor, differentially balanced mic/line preamp for low-noise & low distortion, with connections via plug-in barrier strip.

Balanced main & aux outputs, as well as a balanced stacking input, shall be provided on plug-in barrier strips. The main output shall include a selectable high-pass filter. The aux output shall be assignable to receive pre/post gate signal from the channels. The stacking input, along with a master/slave switch & an expansion jack, shall allow linking of multiple units to increase the number of mixer inputs. The expansion jack shall include a priority terminal for muting of all inputs, except channel 1, via an external contact-closure.

The main output shall provide NOM attenuation, with automixing functions to include Adaptive Threshold Sensing, Speech-Frequency Filtering, & 6dB of hysteresis, for increased stability of gating operations. Other automixing functions shall include selectable last mic hold & -12dB/-40dB channel-off attenuation. Eight logic outputs shall be provided on a 9-pin Sub-D connector, for control of external circuits based upon active status of the channels.

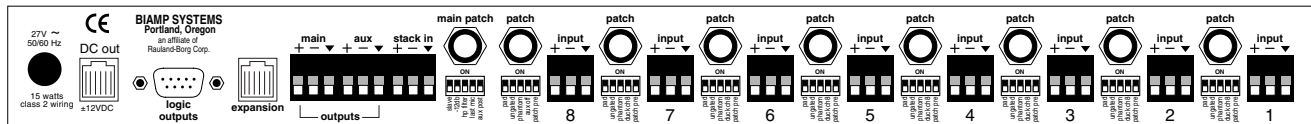
Frequency response shall be +0/-0.5dB (20Hz~20kHz @ +4dBu) THD+N shall be less than 0.05% (20Hz~20kHz @ +4dBu) Output Noise shall be less than -75dBu (20Hz~20kHz, main & channel @ nominal) Power consumption shall be less than 15 Watts. Dimensions shall be 1.75 inches (1 rack space) high, 19 inches wide, and 11 inches deep. Weight shall be 10 lbs. Warranty coverage shall be 5 years. The unit shall be CE marked, include a UL / C-UL listed power source, and incorporate AES recommended grounding practices.

The automatic mixer shall be a BIAMP autoONE.

autoONE SPECIFICATIONS

Frequency Response (20Hz~20kHz @ +4dBu):	+0/-0.5dB	Maximum Output:	
THD+N (20Hz~20kHz @ +4dBu):	< 0.03%	main & aux outputs	+24dBu
Output Noise (20Hz~20kHz, main & 1 channel @ nominal):	< -75dBu	channel & main patch	+18dBu
Maximum Gain:		Maximum Input:	
mic/line inputs to main & aux outputs	86dB	mic/line input, channel & main patch	+18dBu
channel patch to main & aux outputs	26dB	main stack	+24dBu
main patch to main output	16dB	High-Pass Filter:	6dB/octave @ 170Hz
main stack to main output	10dB	Automixing:	
Crosstalk (channel-to-channel @ 1kHz):	< -65dB	gate attack time	4mSec
Output Impedance:		release time (adjustable)	150mSec to 4Sec
main & aux outputs (balanced)	200 ohms	threshold (adjustable)	-32dBu to -8dBu
channel & main patch (unbalanced)	100 ohms	channel-off attenuation (selectable)	-12dB or -40dB
Input Impedance:		NOM attenuation (doubling of active inputs)	-3dB
mic/line inputs (balanced)	4.7k ohms	Feedback/Noise Improvement (8 channels)	9dB
channel patch (unbalanced)	5.3k ohms	Power Consumption (115/230VAC 50/60Hz):	< 15 watts
main patch (unbalanced)	6.7k ohms	Dimensions (HxWxD):	1.75"x19"x11" (44x483x279mm)
main stack (balanced)	28k ohms	Weight:	< 10 lbs. (4.55kg)

autoONE REAR PANEL DIAGRAM



autoONE BLOCK DIAGRAM

