

## Model E-1A Automatic Mixing Controller Unbalanced Analog I/O



The Model E-1A Automatic Mixing Controller helps professional audio mixers handle multiple live mics without having to continually ride their individual faders. This eight-channel (analog) or sixteen-channel (digital) signal processor patches into the input insert points of an audio mixing console.

It detects which mics are being used and makes fast, transparent cross-fades, freeing the mixer to focus on balance and sound quality instead of being chained to the faders. The Model E-1A's voice-controlled crossfades track unscripted dialogue perfectly, eliminating cueing mistakes and late fade-ups while avoiding the choppy and distracting effects common to noise gates.

### APPLICATIONS

- News panels, sports commentary
- Conference reinforcement, video trucks
- Film and television dialogue, reality shows
- Multiple wireless mics for theater
- Boardrooms, civic meeting rooms, community TV
- Teleconferencing and distance learning
- Houses of worship

### FEATURES

- Eliminates late upcuts
- Reduces PA feedback and studio noise
- Eight channels analog or sixteen channels digital
- Dugan Control Panel for Java included
- Channels may be grouped into three independent auto mixers
- Half-rack size — mount two in one RU
- Link up to eight units for up to 128 channels

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The virtual remote control panel supplied with the E-1A as a Java applet can also be purchased as an iPad app.

## SPECIFICATIONS

ANALOG AUDIO INPUTS	unbalanced, 6 kOhm, -22 to +4 dBu nominal level, +21 dBu maximum	
ANALOG AUDIO OUTPUTS	unbalanced, 100-Ohm source, drives a 600-Ohm load, +21 dBu maximum	
OUTPUT NOISE	less than -91 dBu (A-wtd); 112 dBA dynamic range	
DIGITAL I/O	ADAT optical, 48 kHz/24 bit (will operate with 44.1 kHz digital I/O) Due to the Model E-1's compact size and close spacing of the ADAT connectors, some large cables may not fit. The maximum cable width is 0.48 in (12 mm).	
FREQUENCY RESPONSE	10 Hz to 22 kHz, +0/-1 dB	
CROSSTALK	-81 dB @ 20 kHz	
DISTORTION	less than 0.003% THD+N at +21 dBu	
GAIN	unity	
A/D AND D/A	48 kHz/24 bit (will operate with 44.1 kHz digital I/O)	
AUDIO LATENCY	2 ms	
OPTICAL LINKING	up to 8 units (128 channels) may be linked; links with Models D-2, D-3, E, E-1, E-1A, E-2, E-3, and Dugan-MY16	
CONNECTORS	Audio 10/100 BASE T Linking, Digital I/O Power	1/4-in TRS; tip input, ring output RJ-45 ADAT optical coaxial 5.5 mm o.d., 2 mm i.d.
POWER	nominal 12 VDC 1.3 A maximum; accepts 9-24 VDC, either polarity, or 9-18 VAC separate power supply unit; <b>Input:</b> 100-240 VAC, 50-60 Hz, 0.7 A; <b>Output:</b> 18 VDC, 1.33 A; Approved UL, GS, CE, FCC, CCC, LPS	
DIMENSIONS	1RU H = 1.75 in (4.5 cm) D = 8.3 in (21 cm) W = 8.75 in (22.2 cm)	
RACK MOUNTING	parts supplied for mounting one or two units in 1RU of 19-in rack	
WEIGHT	3.4 lb (1.5 kg) 7.0 lb (3.2 kg) in shipping box with power supply	