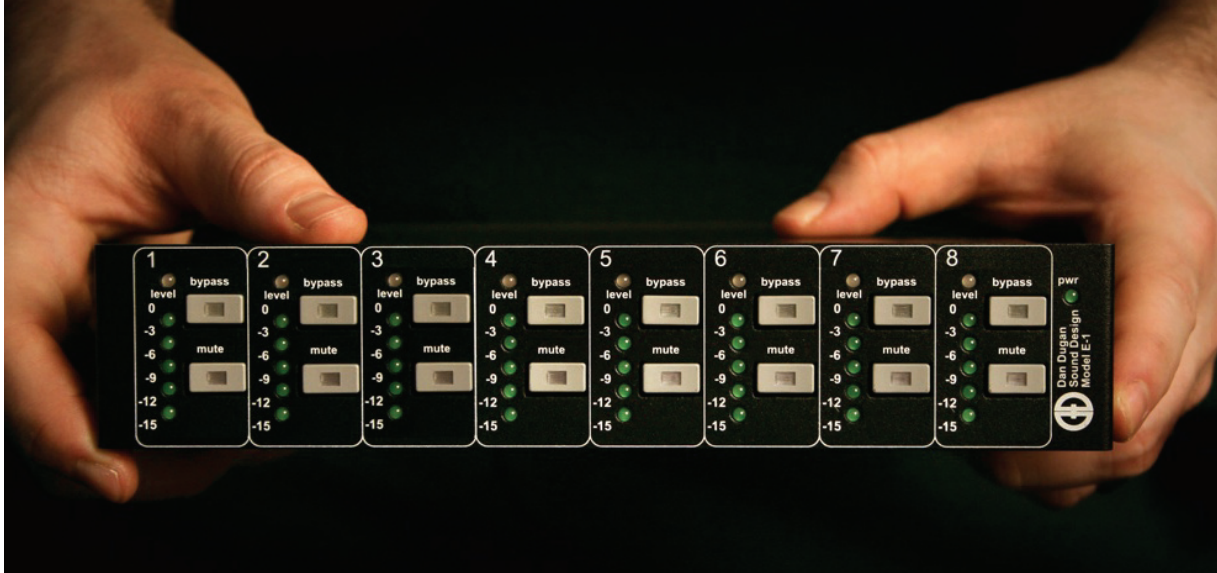


Dan Dugan Sound Design

Model E-1 Automatic Mixing Controller



Applications

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

Features

- Eliminates late upcuts
- Reduces PA feedback and studio noise
- Internal Web server for remote control panel
- Half-rack size—mount two in one RU
- Link units for up to 64 mics
- Analog and digital outputs active simultaneously

The Model E-1 Automatic Mixing Controller helps professional audio mixers handle multiple live mics without having to continually ride their individual faders. This eight-channel 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'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.



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An internal Web server downloads a Java applet that provides a real-time remote control panel in any Web browser

Specifications	
Audio Inputs	unbalanced, 6 kOhm, -22 to +4 dBu nominal level, +21 dBu maximum
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	0.6 ms
Optical Linking	up to 8 units (64 channels) may be linked in a ring; links with Models D-2, D-3, and E
Connectors	Audio: 1/4-in TRS; tip input, ring output 10/100 BASE T: RJ-45 Linking, Digital I/O: ADAT optical Power: 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; input 120 VAC, 60 Hz, 27 W; output 12 VDC, 1.5 A; Approved UL, CUL
Dimensions	1RU H = 1.75 in (4.5 cm) D = 8.3 in (21 cm) W = 8.75 in (22.2 cm) adapters supplied for mounting one or two units in 1RU of 19-in rack
Rack Mounting	parts supplied for mounting two units
Weight	3.3 lb (1.5 kg) 5.0 lb (2.3 kg) in shipping box with power supply