

## Model E-3A Automatic Mixing Controller AES Digital I/O



### APPLICATIONS

- TV news and sports panels, political debates
- Conference reinforcement, video trucks
- Reality shows, game shows
- Wireless mics for theater
- Boardrooms, civic meeting rooms
- Teleconferencing and distance learning
- Houses of worship

### BENEFITS

- Eliminates late upcuts
- Reduces PA feedback and studio noise
- Reduces comb filtering from adjacent mics

### FEATURES

- 32 channels of processing, 16 AES plus 16 ADAT
- 96 kHz sampling rate supported (AES only)
- All Dugan algorithms: Speech System, Music System and Gain Limiting
- Six-bus pre/post matrix mixer
- Channels may be grouped into three independent automixers
- Word clock I/O
- Power over Ethernet (PoE) capable
- Three switched Ethernet ports available for control network
- Remote control from Dugan Control Panel for Java (included) and Dugan Control Panel for iPad (sold separately)
- Physical remote control from Dugan Model K Control Surface (sold separately)
- Miniature control panel for setup or adjustments from front panel
- Standard Dugan linking for larger systems

# Specifications

DIGITAL INPUT AND OUTPUT	
AES/EBU	AES3, 16 inputs, 16 outputs
OPTICAL (ADAT)	Eight channels in and eight channels out <b>16-Channel mode:</b> link connectors reassigned as ADAT channels 9-16
GAIN	Unity
SAMPLE RATE	48 or 96 kHz
BIT DEPTH	24 bit
AUDIO LATENCY	2 ms
FREQUENCY RESPONSE	10 Hz - 22 kHz, $\pm$ 0.0075 dB
OUTPUT NOISE	-125 dBFS (20 Hz - 20 kHz), -128 dBAFS
DISTORTION	-125 dBFS
LINKING	Up to eight units can be linked into one system in an optical ring network Linking uses ADAT hardware but does not adhere to ADAT protocol
SYNCHRONIZATION	
SOURCES	Word Clock, AES Inputs 1-16, ADAT, Internal
CONNECTORS	
AUDIO	1-16: Two DB-25 connectors wired to TASCAM digital audio standard ADAT: Optical input and output
CONTROL	3 x RJ-45: Three-port internal network switch. One connector accepts PoE Linking: ADAT optical, reassigned for audio I/O in 16-channel mode
WORD CLOCK	BNC input and output
POWER	
CONNECTOR	Coaxial with locking collar, 5.5 mm o.d., 2.1 mm i.d., center positive
ELECTRICAL	Nominal 12 VDC, 1.5 A maximum; accepts 12-24 VDC
PoE	802.3at Type 2 25.5 W
EXTERNAL SUPPLY	<b>Input:</b> 100-240 VAC, 50-60 Hz, 30 W <b>Output:</b> 18 VDC, 1.33 A Approved UL, CE
DIMENSIONS	1RU H = 1.75 in (4.5 cm) D = 8.3 in (21 cm) W = 8.75 in (22.2 cm)
WEIGHT	3.4 lb (1.5 kg) 5.8 lb (2.6 kg) in shipping box with power supply