

Model E-2 Automatic Mixing Controller Balanced Analog I/O



APPLICATIONS

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

CONFIGURATIONS

8-Channel
 Dugan Speech System
 Dugan Music System
 Dugan Gain Limiting
 Pre/Post mix matrix for four aux outputs

12-Channel
 Dugan Speech System

16-Channel (ADAT)
 Dugan Speech System

BENEFITS

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

CAPABILITIES

Link up to eight Dugan controllers into one system
 Partition channels into one to three groups that can span linked units
 Control physically from front panel and Model CP-2 Control Panel (sold separately)
 Control remotely from Dugan Control Panel for Java (included) and Dugan Control Panel for iPad (sold separately)

Dan Dugan Sound Design
 290 Napoleon Street, Studio E
 San Francisco, CA 94124

T: (415) 821 - 9776
 F: (415) 826 - 7699
www.dandugan.com
dan@dandugan.com

Specifications

AUDIO	
ANALOG I/O	12 inputs, 12 outputs, balanced
DIGITAL I/O	8 inputs, 8 outputs, ADAT optical 16-Channel mode: eight additional I/O channels using LINK connectors
GAIN	Unity
SAMPLE RATE	Analog: 48 kHz Digital: 48 or 44.1 kHz (synchronizes to input)
BIT DEPTH	24 bit
AUDIO LATENCY	1.8 ms
FREQUENCY RESPONSE	20 Hz to 12 kHz +/- 0.05 dB, 20 Hz to 20 kHz +/- 0.2 dB
OUTPUT NOISE	-87.5 dBu
MAXIMUM OUTPUT	+22 dBu
DISTORTION	0.003% (THD + N)
LINKING	Up to 8 units can be linked into one system in an optical ring network

CONNECTORS	
AUDIO	Analog: DB25 wired to TASCAM digital audio pinout
CONTROL	Control Panel (CP-2): Four-pin mini-XLR female 4 x RJ45: Four-port internal switch for network Linking: ADAT optical, reassigned for audio I/O in 16-channel mode

POWER	
CONNECTOR	Coaxial with locking collar, 5.5 mm o.d., 2 mm i.d.
ELECTRICAL	Nominal 12 VDC, 1.5 A maximum; accepts 12-24 VDC, either polarity, or 9-18 VAC
EXTERNAL SUPPLY	Input: 100-240 VAC, 50-60 Hz, 0.8A Output: 15 VDC, 2 A Approved UL, CE, LPS

PHYSICAL	
DIMENSIONS	Height = 1.75 in (4.5 cm) Depth = 8.3 in (21 cm) Width = 8.75 in (22.2 cm)
RACK MOUNTING	Parts included to mount single unit or two units side-by-side
WEIGHT	3.5 lb (1.6 kg) 7 lb (2.5 kg) in shipping box with power supply