



Dan Dugan Sound Design



Dugan-MY16 Automatic Mixing Controller Card

Sold exclusively through Yamaha Commercial Audio Systems

Yamaha Commercial Audio Systems, Inc.

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Dan Dugan Sound Design

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Applications

Conference reinforcement, video trucks

Houses of worship

Television news and sports panels,
reality shows, game 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

Remote control via included software

Units may be linked with other Dugan-MY16 cards
or other Dugans for up to 8 units

Supports 44.1 / 48 / 88.2 / 96 kHz sample rates



The Dugan-MY16 is designed to operate with the following Yamaha mixers:

PM5D/PM5D-RH

DSP5D

M7CL-48ES

M7CL-48

M7CL-32

LS9-32*

LS9-16*

DM2000

DM1000

O2R96

O1V96

DME64N

DME24N

* With LS9 firmware V1.21 or earlier, the LS9 insert patch points are pre-fader only. To properly mute mixer channels, you must use the Dugan Control Panel for Java (included) or the Dugan Control Panel for iPad (sold separately).



The Dugan-MY16 is a 16-channel automatic mixing controller that plugs into a slot on Yamaha consoles. Sound engineers can now manage multiple live mics without continually riding individual faders. The Dugan-MY16 automatically detects the active mics and makes fast, transparent cross-fades without the distracting sonic artifacts common to noise gates. It tracks unscripted dialogue perfectly and maintains consistent system gain for up to 16 open mics. With the Dugan-MY16, cueing mistakes and late fade-ups are a thing of the past!

Three operating modes are available:

Standard	Sixteen Dugan mixing channels at 44.1 or 48 kHz ADAT I/O connectors can link multiple Dugan units
High-Rate	Eight Dugan mixing channels at 88.2 or 96 kHz ADAT I/O connectors can link multiple Dugan units
Shared	Eight Dugan mixing channels at 44.1 or 48 kHz The ADAT I/O connectors serve as a general-purpose interface that is available for patching on channels 9–16 of the Dugan-MY16’s slot. These channels are unrelated to Dugan mixing and can be used as additional Yamaha mixer I/O.

Specifications:

Digital I/O	ADAT optical, 24 bit, 44.1 or 48 kHz (Shared mode only)
Gain	Unity
Audio Latency	0.2 ms
Optical Linking	Up to 8 units may be linked in a ring; links with Dugan-MY16, Models D-2, D-3, E, and E-1
Connectors	10/100 BASE T: RJ-45 Linking and Digital I/O: ADAT optical
Weight	160 g (5.6 oz) 0.6 kg (1 lb 5 oz) in shipping box

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