

MC850 Series

8-Channel Amplifiers

The MC850 Series is a family of 8-channel audio amplifiers producing 50W_{RMS}/channel in a 1RU enclosure. This series includes 3 models, a low impedance (4/8Ω) model, a constant voltage (70.7Vv/100V selectable) model, and a mixed model (2 channels 4/8Ω, 6 channels constant voltage). These networked amplifiers feature 8 independent channels of Dante™ audio using the Brooklyn II module. The units feature two Ethernet jacks which can be configured for primary and secondary fully-redundant Dante™ networks, or as a switch to allow daisy-chaining devices. An additional Ethernet Port is provided for amplifier control and status. In addition there is an RS-232 port for level control and muting. These amplifiers are convection cooled, to reduce the noise footprint in quiet spaces. The aluminum rack-mount enclosure occupies a 19" rack width by 11" or 14.5" deep (depending on model), and is only 1RU high. Rack mounts are included with each unit.



MC850 LZ-D shown

MC850 Series

Dante Model Ordering Part #'s

MC850-LZ-D	50W x 8 @ 4/8Ω
MC850-CV-D	50W x 8 @ 70V/100V
MC850-MXZ-D	50W x 2 @ 4/8Ω 50W x 6 @ 70V/100V

*AES67 Support

Features:

- 8 Channels of amplification
- Flexible CH to CH power sharing
- Ethernet and RS-232 control
- 8 Independent Dante™ channels
- Redundant network capable
- Made in the USA

Applications:

- Dante™ Network Audio
- Hospitality Installations
- Classrooms
- Conference Rooms
- Houses of Worship
- Room combining

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MC850 Series

Output Power	MC850 LZ-D -----	■ 50W x 8 @ 4/8 Ohms
	MC850 CV-D -----	■ 50W x 8 @ 70.7V/100V (selectable)
	MC850 MXZ-D -----	■ 50W x 2 @ 4/8 Ohms, 50W x 6 @ 70.7V/100V (selectable)
		All models: channel-by-channel power allocation
Frequency Response (+0, -3dB)	-----	■ 20 Hz—20 kHz 4/8 Ohms, 100 Hz—20 kHz 70.7V/100V
THD+N	-----	■ <0.1% @ rated output power, all frequencies
Signal-to-Noise Ratio	-----	■ >95dB
Channel-to-Channel Isolation (Crosstalk)	-----	■ >95dB
Audio Sampling Rates	-----	■ 44.1, 48, 88.2, 96, 176.4, 192 ksp/s
Power Draw - Standby	-----	■ 4.1W
Idle,	-----	■ 28W
1/8 Power,	-----	■ 103W
Full Power	-----	■ 585W
Amplifier Class	-----	■ D
Control and Status	-----	■ RS-232 and Ethernet
Dante Network Audio Input Connectors	-----	■ Two (2) RJ-45 (switched or redundant)
Output Connectors	-----	■ Eight (8) 5mm Euroblock
LED Indicators	-----	■ Power, fault, signal (x8)
Power Supply Input	-----	■ 100-240 VAC 50/60Hz (PFC Universal Input)
Construction	-----	■ Aluminum chassis
Mounting	-----	■ 19" Rack-mountable, rack ears supplied
Cooling	-----	■ Convection (No fans)
Dimensions (excluding rack mounts)	-----	■ 1.74" X 17.3" X 14.5" (44 X 440 X 369 mm) CV & MXZ 1.74" X 17.3" X 11.0" (44 X 440 X 280 mm) LZ
Weight	-----	■ 5 lbs. (2.3kg) LZ; 12lbs. (5.5kg) MXZ; 13 lbs. (5.9kg) CV
Warranty	-----	■ 3 years



MC850 MXZ-D shown