



QSC's award-winning MX/MXa Series amplifiers combine ultra-clean audio performance and unsurpassed reliability while delivering maximum power under the most demanding conditions. The MXa's achieve superior performance with high-efficiency stepped linear output circuits, ensuring solid two-ohm operation, night after night. They're at home on tour or in an installation rack; in a main or monitor system; driving horns or pumping subwoofers. MX amplifiers are trusted by leading touring companies and venues around the world.

Stepped-linear output technology on MXa models reduce normal system cooling requirements and AC current draw by greater than 40%. The MX 2000a's and 3000a's dual monaural construction boosts reliability by providing separate power supplies for each channel. MXa rear panels feature our exclusive Level 1 Open Input Architecture, which allows the addition of input transformers, crossovers, power limiters, precision attenuators, and other signal processing accessories. An extensive set of protection features assure stable operation and reliability, even under the harshest conditions.

- 3-year warranty plus optional 3-year extended service contract

Model	Watts per channel		
	8Ω	4Ω	2Ω*
700	150	225	350
1500a	350	500	750
2000a	450	650	1000
3000a	800	1200	1600

20 Hz–20 kHz, 0.01% THD
*1 kHz, 1% THD

MX Series Features

- High-efficiency stepped linear outputs reduce amplifier cooling requirements and AC current draw by greater than 40%*
- Independent power supplies on each channel for greater reliability (dual monaural on MX 2000a & MX 3000a, split secondary on MX 700 & MX 1500a)
- Power transistors direct-mounted metal-to-metal to heatsink for superior thermal performance
- Level 1 Open Input Architecture for cost- and space-saving signal processing accessories*
- Independent DC, subsonic, ultrasonic, and thermal overload protection on each channel automatically protect amplifier and speakers
- Patented Output Averaging short circuit protection
- Automatic two-speed fan matches cooling capacity to thermal requirements. Rear-to-front air flow prevents rack overheating.
- 1/4" TRS and barrier strip balanced inputs for low noise
- Comprehensive LED array monitors operation and performance
- "Touch-proof" binding post output connectors
- THX approved for cinema applications*

* Not included in the MX 700



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MX SPECIFICATIONS			MX 700	MX 1500a	MX 2000a	MX 3000a
Stereo Mode (both channels driven)			Continuous Average Output Power Per Channel			
FTC 8 ohms	0.1% THD	20 Hz–20 kHz	150W	350W	450W	800W
4 ohms	0.1% THD	20 Hz–20 kHz	225W	500W	650W	1200W
EIA 8 ohms	1% THD	1 kHz	170W	400W	475W	825W
4 ohms	1% THD	1 kHz	270W	600W	725W	1250W
2 ohms (typical)	1% THD	1 kHz	350W	750W	1000W	1600W
Bridge Mono Mode			Bridge-Mono Mode Operation			
FTC 8 ohms	0.1% THD	20 Hz–20 kHz	450W	1000W	1300W	2400W
EIA 4 ohms (Typical)	1% THD	1 kHz	700W	1500W	2000W	3200W
Frequency Response (20 Hz–20 kHz)			±0.5 dB	±0.15 dB	±0.15 dB	±0.15 dB
Input Sensitivity (for full power @ 8 ohms)			0.96 Vrms	1.05 Vrms	1.07 Vrms	1.0 Vrms
Voltage Gain			35x (31 dB)	50x (34 dB)	56x (35 dB)	80x (38 dB)
Cooling (rear-to-front airflow)			2-Speed Fan	2-Speed Fan	2-Speed Fan	Variable Fan
Weight			25 lb (11.3 kg)	42 lb (19.1 kg)	54 lb (24.4 kg)	69 lb (31.2 kg)
Normal Operation at 4Ω/ch(120 VAC)			Less than 3.7 A	Less than 10.5 A	Less than 12 A	Less than 12 A
All models			All models			
Distortion (SMPTE-IM)			Less than 0.05%			
Damping Factor			greater than 200			
Dynamic Headroom			3 dB at 4 ohms			
Noise			100 dB below rated output			
Input Impedance			10 KΩ unbalanced, 20 KΩ balanced			
Controls			Front: AC Switch, Ch 1 and Ch 2 gain knobs Back: Parallel/Stereo/Bridge Switch*			
Indicators			POWER: Green LED SIGNAL: Yellow LED, 1 per channel* CLIP: Red LED, 1 per channel PROT: Red LED, 1 per channel**			
Connectors (each channel)			Input: 1/4" TRS and Barrier strip Speakers: Touch-proof binding posts			
Amplifier Protection			Full short circuit†, open circuit, ultrasonic, and RF protection. Stable into reactive or mismatched loads.			
Load Protection			MX 700 All Others AC coupled output. 2-second turn on and instant off muting. On/off muting. DC-fault load grounding relay with internal fault fuses.			
Output Circuit Type			Complementary linear outputs: Class AB on MX 700, 2-Step Class H on MX 1500a & 2000a 3-Step Class H on MX 3000a			
Power Requirements			100, 120, 230 VAC, 50-60 Hz			
Dimensions			MX 700 MX 1500a MX 2000a, MX 3000a 19" (48.3 cm) rack mounting, 3.5" (8.9 cm) tall (2 rack spaces), 12.0" (30.5 cm) deep 19" (48.3 cm) rack mounting, 3.5" (8.9 cm) tall (2 rack spaces), 17.9" (45.5 cm) deep 19" (48.3 cm) rack mounting, 5.25" (13.3 cm) tall (3 rack spaces), 17.9" (45.5 cm) deep			

*except on MX 700 **MX 700 uses single clip/protect LED † Output Averaging™ short circuit protection (US Patent 4,321,554) Specifications subject to change without notice.

