

QSC RMX 1850 HD- pojačalo

QSC RMX 1850 HD- pojačalo

**RMX
1850**

HD

Šifra: 7450
Kategorija proizvoda: Pojačala
Proizvođač: QSC

Cena: 927,74 EUR

Muscular Power Plant

The power supply is the heart of an amplifier, converting raw AC power from the wall to clean DC for the audio circuitry. The RMX uses a powerful high-current toroidal transformer and ample filter

capacitance to ensure generous energy reserves. This makes a critical difference in sound quality, allowing the amp to effortlessly punch out high level transients, even when driving abusive 2 ohm speaker loads.

Superior Performance

RMX amplifiers deliver true studio-quality sound. A full complementary output circuit using the highest-grade linear output devices delivers ultra-low distortion (<0.05% THD) and a ruler-flat frequency response. SMT (Surface Mount Technology) triples small-signal component density, enabling us to pack up to 2400 watts of power in a chassis only 2 rack spaces and less than 16" deep. And unlike other designs, RMX output devices are direct-mounted to the heat sink for optimum thermal coupling and cooling.

Comprehensive Features

The RMX Series is packed full of professional features that increase performance and flexibility:

The RMX 1850HD provides improved thermal

performance that gives you higher continuous power in 2 ohms stereo or 4 ohms bridged applications (a RMX 1850HD exclusive!)

Selectable low-frequency filters boost system response, protect speakers and ensure low-end tightness by more precisely matching the amplifier's range to the loudspeakers.

Low-noise variable speed fans with rear-to-front air flow keep amplifiers and racks cool.

Independent defeatable clip limiters reduce distortion without sacrificing peak performance.

Barrier strip, XLR and 1/4" balanced inputs plus Speakon and binding post outputs provide easy connections.

Proven Reliability

With over 30 years of building amplifiers for the largest touring companies and venues around the world, you can count on QSC's reputation for designing the most reliable amps available.

FEATURES

Compact size - up to 2400 watts in 2 rack spaces

High-current toroidal transformers for greater two-ohm power and low noise

Selectable low-frequency filters (30 Hz or 50 Hz) protect speakers and increase headroom

Binding post and Neutrik Speakon outputs

Signal and Clip LED indicators to monitor performance

Professional quality performance - incorporates road-proven QSC designs

Independent user-defeatable clip limiters reduce distortion

Balanced 1/4" (6.3mm) TRS, XLR and barrier strip inputs

Front mounted gain controls for easy access
Independent DC and thermal overload protection on each channel automatically protects amplifier and speakers

SPECIFICATIONS		RMX 1850HD
	STEREO MODE (Both Channels Driven)	
8 ohms FTC 20 Hz - 20 kHz, 0.1% THD EIA 1 kHz, 0.1% THD		350 W 360 W
4 ohms FTC 20 Hz - 20 kHz, 0.1% THD EIA 1 kHz, 0.1% THD		550 W 600 W
2 ohms EIA 1 kHz, 1% THD		900 W
	BRIDGE MONO MODE	
8 ohms FTC 20 Hz - 20 kHz, 0.1% THD EIA 1 kHz, 0.1% THD		1100 W 1200 W
4 ohms EIA 1 kHz, 1% THD		1800 W
Signal to Noise, 20 Hz-20 kHz		100 dB
Distortion (SMPTE-IM)		Less than 0.02%
Input Sensitivity @ 8 ohms		1.16V (+3.5 dBu)
Voltage Gain		46x (33 dB)
Output Circuitry		Class H
Power Requirements 1/8 power pink noise at 4 ohms *		6A
Distortion (Typical) 20 Hz - 20 kHz: 10 dB below rated power 1.0 kHz and below: full rated power	Less than 0.03% THD, 4 and 8 ohms Less than 0.03% THD, 4 and 8 ohms	
Frequency Response	20 Hz-20 kHz, ± 1 dB -3 dB points: 5 Hz - 50 kHz	
Damping Factor, 1 kHz and below	Greater than 300 at 8 ohms	
Input Impedance	10k ohms unbalanced, 20k ohms balanced	
Input Clipping	10 Vrms (+22 dB)	
Cooling	Continuously variable-speed fan, rear-to-front air flow	
Connectors, each channel	Input: Active balanced; barrier strip, XLR and 1/4" (6.3mm) TRS tip and XLR (pin 2 positive) Output: touch-proof binding posts and Neutrik® Speakon®	
Controls	Front: AC switch, Ch. 1 and Ch. 2 gain knobs Rear: 10-position DIP switch	
Indicators	Power-On: Green LED Signal: Yellow LED (1 per channel) Clip: Red LED (1 per channel)	
Amplifier Protection	Stable into reactive or mismatched loads	
Load Protection	On/off muting, AC coupling (850, 1450), triac crowbar (1850HD, 2450, on each channel)	
Power Requirements	100, 120, 230 VAC, 50-60 Hz	

Dimensions	19" (48.3 cm) rack mounting, 3.5" (8.9 cm) tall (2 RU), 15.9" (40 cm) deep (rack mounting to rear support ears)
Weight	44.5 lbs (20.2 kg)