

# RMX

## PROFESSIONAL POWER AMPLIFIERS

The RMX Series amplifiers from QSC offer true professional-quality performance at an affordable price. Four models range in power from 430 watts to 1200 watts per channel at 2 ohms, all in a compact chassis only 2 rack spaces high and less than 16" deep. RMX amplifiers include a comprehensive set of features: XLR and 1/4" balanced inputs, Speakon™ and binding post outputs allow users a convenient choice of connectors. User-defeatable clip limiters and selectable low-frequency filters optimize sonic performance.

Model	Watts per Channel			
	8Ω	4Ω	2Ω*	Bridged 4Ω
RMX 850	200	300	430	830
1450	280	450	700	1400
1850HD	360	600	900	1800
2450	500	750	1200	2400

1 kHz, 0.1% THD \*1 kHz, 1% THD

**NEW!**

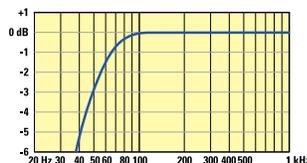


### RMX Features

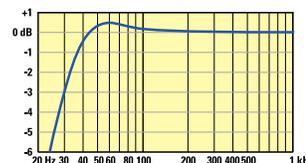
- The RMX 1850HD provides improved thermal performance that gives you higher continuous power in 2-ohms stereo or 4-ohms bridged applications (a RMX 1850HD exclusive!)
- Compact size—up to 2400 watts in 2 rack spaces
- Professional quality performance—incorporates road-proven QSC designs
- High-current toroidal transformers for greater two-ohm power and low noise
- Independent user-defeatable clip limiters reduce distortion
- Selectable low-frequency filters (30 Hz or 50 Hz) protect speakers and increase headroom
- Balanced 1/4" (6.3 mm) TRS, XLR, and barrier strip inputs
- Binding post and Neutrik Speakon™ outputs
- Front mounted gain controls for easy access
- Signal and Clip LED indicators to monitor performance
- Independent DC and thermal overload protection on each channel automatically protects amplifier and speakers
- 3-year warranty. An optional 3-year extended service contract is available. Ask your dealer for details.

### Input Filter

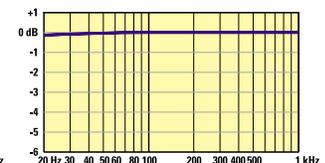
Boosts your system's response by matching the amplifier's range to your speakers. Prevents speaker bottoming and low-frequency muddiness. Each channel is separately adjustable: 50 Hz for most compact full-range speakers; 30 Hz for subwoofers and large full-range systems; and OFF for studio monitoring.



50 Hz for compact full-range speakers



30 Hz for subwoofers and large full-range systems



Full range for studio monitoring.

### Clip Limiter

When the RMX is pushed to extremes, the clip limiter automatically finds the exact point of overload and keeps the amplifier in its "Peak Zone," preventing severe distortion without reducing performance.

The low-frequency filter and clip limiter are independently adjustable for each channel.

### Thermal Management System

Provides continuous variable speed fan for quiet operation. Rear-to-front air flow keeps amps and racks cool.



Warm air exits through the front

**QSC**  
AUDIO

Hear the Power of Technology.

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RMX SPECIFICATIONS				RMX 850	RMX 1450	RMX 1850HD	RMX 2450
<b>Stereo Mode</b> (EIA: both channels driven)				<b>Continuous Average Output Power Per Channel</b>			
8 ohms	EIA	1 kHz	0.1% THD	200 Watts	280 Watts	360 Watts	500 Watts
4 ohms	EIA	1 kHz	0.1% THD	300 Watts	450 Watts	600 Watts	750 Watts
2 ohms	EIA	1 kHz	1% THD	430 Watts	700 Watts	900 Watts	1200 Watts
<b>Bridge Mono Mode</b>				<b>Continuous Average Output Power</b>			
8 ohms	EIA	1 kHz	0.1% THD	600 Watts	900 Watts	1200 Watts	1500 Watts
4 ohms	EIA	1 kHz	1% THD	830 Watts	1400 Watts	1800 Watts	2400 Watts
<b>Signal to Noise (20 Hz-20 kHz)</b>				100 dB	100 dB	100dB	100dB
<b>Distortion (SMPTE-IM)</b>				Less than 0.01%	Less than 0.01%	Less than 0.02%	Less than 0.02%
<b>Input Sensitivity @ 8 ohms</b>				1.15v (+3.4 dBu)	1.15v (+3.4 dBu)	1.16v (+3.5 dBu)	1.23v (+4.0 dBu)
<b>Voltage Gain</b>				31.6x (30 dB)	40x (32 dB)	46x (33 dB)	50x (34 dB)
<b>Output Circuitry</b>				AB	AB	Class H	Class H
<b>Current Consumption (1/8 power pink noise @ 4Ω)*</b>				5 A	6 A	6 A	7 A
<b>Weight</b>	<b>Net</b>			35lb.(15.9 kg)	40 lb. (18.2 kg)	44.5 lb. (20.2 kg)	44.5 lb. (20.2 kg)
	<b>Shipping</b>			41 lb. (18.6 kg)	46 lb. (20.9 kg)	50.5 lb. (23 kg)	50.5 lb. (23 kg)
<b>All models</b>				<b>All models</b>			
<b>Distortion (typical)</b> 20 Hz-20 kHz: 10 dB below rated power 1.0 kHz and below: full rated power				Less than 0.03% THD, 4Ω & 8Ω Less than 0.03% THD, 4Ω & 8Ω			
<b>Frequency Response</b>				20 Hz-20 kHz: ± 0/-1 dB, -3 dB points: 5 Hz-50 kHz			
<b>Damping Factor (1 kHz and below)</b>				Greater than 300 @ 8Ω			
<b>Input Impedance</b>				10 KΩ unbalanced, 20 KΩ balanced			
<b>Input Clipping</b>				10 Vrms (+22 dBu)			
<b>Cooling</b>				Continuously variable speed fan, back-to-front air flow			
<b>Connectors (each channel)</b>				Input: Active balanced; barrier strip, XLR and 1/4" (6.3 mm). TRS tip and XLR pin 2 positive Output: "Touch-proof" binding posts and Neutrik Speakon™			
<b>Controls</b>				Front: AC switch, Ch.1 and Ch.2 gain knobs Rear: 10-position DIP switch			
<b>Indicators</b>				PWR-ON: Green LED                      SIGNAL: Yellow LED (1 per channel) CLIP: Red LED (1 per channel)			
<b>Amplifier Protection</b>				Full short circuit, open circuit, thermal, ultrasonic, and RF protection. Stable into reactive or mismatched loads			
<b>Load Protection</b>				Turn-on/turn-off muting, AC coupling (850, 1450), triac crowbar (1850HD, 2450), on each channel			
<b>Dimensions</b>				19" (48.3 cm) rack mounting, 3.5" (8.9 cm) tall (2 rack spaces), 15.9" (40 cm) deep (rack mounting to rear support ears)			
<b>Power Requirements</b>				100,120, 230 VAC, 50-60 Hz (factory configured)			

\* @ 120VAC, both channels driven; multiply current by .5 for 230V units.

Specifications subject to change without notice.

