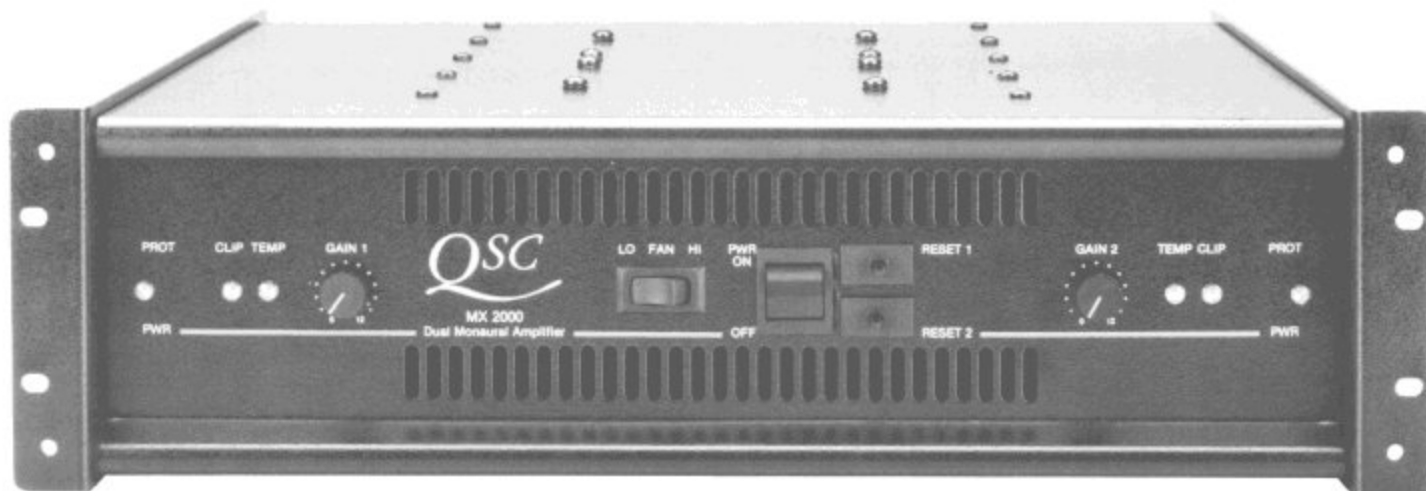


MX
S E R I E S

MX 2000



Today's high power speaker systems demand tremendous power. The QSC MX 2000 delivers 1000 watts per channel into 2 ohms. It delivers that power comfortably, using high efficiency output circuitry to minimize operating temperatures. A new forced air cooling system permits high duty cycle operation with low impedance loads. A front panel switch allows user adjustments for maximum cooling and quiet operation.

Dual monaural construction provides completely separate channels and power supplies for absolute reliability.

Continuing in our tradition of providing high performance amplifiers in a cost effective package, the MX 2000 represents the most powerful in QSC's line of MX Products.

QSC Audio has been a pioneer in the development of high power, high quality amplifiers for over fifteen years.

The MX 2000 sets the standard of reliability, roadability, and affordability.

FEATURES:

- 1000 Watts per Channel at 2 ohms
- Three Rack Spaces
- Fan Cooled
- Two Speed Fan Switch on Front Panel
- Dual Mono Configuration
- Three Year Warranty
- Direct Metal Mounted Power Transistors
- Modular Construction
- LED Protect, Clipping, and Thermal Indicators
- 1/4" RTS and Barrier Strip Input Connectors

QSC
A U D I O



MX 2000 SPECIFICATIONS

OUTPUT POWER (per channel):

Continuous Average Output Power both channels driven.

8 ohms, 20-20 KHz 0.1% THD 375

8 ohms, 1 KHz 1% THD 425

4 ohms, 20-20 KHz 0.1% THD 600

4 ohms, 1 KHz 1% THD 725

2 ohms, 1 KHz 1% THD 1000 \pm 1 dB

BRIDGED MONO OPERATION:

16 ohms: 20-20 KHz 0.1% THD 750

8 ohms, 20-20 KHz 0.1% THD 1200

4 ohms, 1 KHz 1% THD 2000 \pm 1 dB

DISTORTION (8 ohms):

THD: 20-20 KHz at rated power is less than 0.1%

SMPTE-IMD: less than 0.025% at rated power

FREQUENCY RESPONSE: 20-20 KHz, \pm 0.1 dB. 8-300 KHz, \pm 0/-3 dB.

DAMPING FACTOR: Greater than 200.

SLEW RATE: 20V per microsecond.

DYNAMIC HEADROOM: 2 dB at 4 ohms.

NOISE: -100 dB 20-20 KHz at rated power.

SENSITIVITY: 1.07 VRMS for rated power at 8 ohms.

INPUT IMPEDANCE: 20K balanced or 10K unbalanced.

CONTROLS:

Front: Gain controls, recessed AC switch, two speed fan switch, and circuit breakers for each channel.

INDICATORS:

Red/Green LED for Protect/Power On, Red LED clipping indicator, and flashing Red LED thermal indicator.

CONNECTORS:

Inputs: 1/4" RTS (ring tip sleeve) and barrier strip.

Speaker: 5 way binding posts on 3/4" centers.

COOLING:

Fan cooled with back to front airflow. Also high efficiency output stage for reduced operating temperature.

AMPLIFIER PROTECTION:

Continuous short circuit*, open circuit, over-temp, ultrasonic, and RF protection.

Stable into reactive and mismatched loads. Inputs protected from overload. All protection completely independent on each channel.

Output Averaging short circuit protection (US patent 4,321,554)

LOAD PROTECTION:

Individual Channel Load Grounding* output relays provide DC fault and sub-audio protection, with 3-second turn-on delay and fast turn-off or loss-of-power muting. AC pop suppression capacitors across transformer primaries.

OUTPUT CIRCUIT TYPE: Fully complementary, two-level high-efficiency design.

OUTPUT DEVICES: Total of 40.

POWER SUPPLY: Dual power supplies and AC circuit breakers. Common AC cord and switch.

POWER REQUIREMENTS: 100, 120, 220, or 240V 50-60 Hz.

POWER CONSUMPTION: 12 AMPS at 120 Volts.

DIMENSIONS: 5.25" tall, 19" wide, 17.9" deep.

WEIGHT: 70 lbs net, 76 lbs shipping.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The amplifier shall contain all solid state circuitry using complementary silicon transistors and integrated circuits. It shall be capable of operating from 100, 120, 220, or 240V, 50-60 Hz AC mains.

The amplifier shall contain two independent channels, with separate AC breakers, power transformers, and protective systems. Each channel shall have independent protective circuitry against open circuit, short circuit, or mismatched loads; independent thermal warning and shutdown circuits, and independent load protection circuits for turn on/turn off transients including momentary AC dropouts and DC faults within or preceding the amplifier. All protective circuits except AC circuit breaker shall be self-resetting. The remaining channel shall continue to operate, in stereo or bridged mono mode. The two channels share a common AC power cord and switch.

Each channel of the amplifier shall be capable of meeting the following performance criteria, with both channels driven simultaneously: Output power into 8 ohms, 375 watts, 20-20 KHz, less than 0.1% THD. Output power into 4 ohms, 600 watts, 20-20 KHz, less than 0.1% THD. Output power into 2 ohms, 1000 watts, 1KHz, less than 1% THD \pm 1 dB. Frequency response shall be 20-20 KHz with less than 0.1 dB deviation. The voltage gain shall be 34 dB at full gain. The input sensitivity for rated 8 ohm power shall be 1 VRMS. Balanced bridging input circuitry shall be standard, and the amplifier shall meet all performance criteria in the balanced or unbalanced mode. Input impedance shall be at least 100 dB below rated power at full gain. IHF damping factor shall exceed 200. The amplifier shall be fan cooled with a two speed switch on the front panel. Air flow shall be from the back to the front. Each channel shall have the following controls, functions, and indicators: Front mounted gain controls. Green/Red LED for Power On/Protect. Red LED clipping indicator for output clipping greater than 0.1%. Flashing red LED to signal impending thermal overload. Balanced/Unbalanced input jacks of the 1/4-inch and barrier strip screw terminal types. Speaker connectors comprising two sets of five way binding posts on 3/4-inch centers per channel. The amplifier chassis shall feature a permanently attached AC cord. The chassis shall occupy two rack spaces (5.25"). Chassis depth shall be 17.9". Weight shall be 70 lbs. The power amplifier shall be the QSC Audio Products Model MX 2000.

QSC
AUDIO

1926 Placentia Avenue, Costa Mesa, CA 92727 (714) 645-2540