

3 Channel Sound Reinforcement Amplifier **QM-AMP3X80SR**

The QM-AMP3X80SR is a professional power amplifier designed to provide exceptional audio performance as part of a complete MediaManager AV system or anywhere multi-channel amplification is required. Occupying just one rack space, the QM-AMP3X80SR provides three channels of amplification delivering 80 Watts per channel at 70 Volts to feed multiple zones of distributed loudspeakers.

All inputs are balanced with fixed input gain optimized for use with MediaManager components. An efficient Class G power amp topology puts more output power in less space while generating significantly less heat as compared to conventional amplifier designs. With Cresnet communications built-in, the amp's power can be controlled and temperature monitored from any 2-Series or MediaManager control system.

SPECIFICATIONS

Connectors

INPUTS 1 - 3: (3) 3-pin 3.5mm detachable terminal blocks
 (3) Balanced line-level audio inputs
 Input impedance: 19k ohms (balanced), 9.5k ohms (unbalanced)
 Input sensitivity: 1.2Vrms for rated power (80W at 8 ohms)
 Common mode rejection: >70dB below 1kHz

OUTPUTS 1 - 3: (3) 2-pin 5mm detachable terminal blocks
 (3) 70 Volt speaker-level audio outputs

NET: (1) 4-pin 3.5mm detachable terminal block
 Cresnet slave port
 Connects to Cresnet control network

120V ~50-60Hz: (1) IEC Socket
 Mates with removable power cord, included

LED Indicators

PWR (green): Indicates 24 Volts DC power supplied from Cresnet control network

NET (yellow): Indicates communication with Cresnet system

SETUP (red): used for touch-settable ID (TSID)

POWER (green): (front) Indicates main power is enabled

Controls

SETUP: used for touch-settable ID (TSID)

PWR: Selects between BYPASS mode for standalone operation and NET CONTROL mode for control via Cresnet

POWER: (front) Enables/disables main power

Amplifier

Output power: 80 watts per channel at 70 Volts

Power bandwidth: 75 watts 100Hz to 20kHz

THD (1kHz): <0.1%

Frequency response: 100Hz to 20kHz +0/-3dB

S/N ratio: 110dB below rated output power, A-weighted

Power Requirements

Mains: 120 Volts AC +15%/-25%, 60 Hz, 500 Watts

Cresnet Power Factor: 3 Watts (0.125 Amp @ 24 Volts DC)



Environmental

Temperature: 32° to 104°F (0° to 40°C)

Humidity: 10% to 90% RH (non-condensing)

Enclosure

Black metal, 1U 19" rack mountable (rack ears included)

Dimensions

Height: 1.96 in (4.99 cm) with feet

Width: 19.0 in (48.26 cm) with ears; 17.01 in (43.21 cm) without ears

Depth: 12.53 in (31.82 cm)

Weight

17.4 lbs (7.9 kg)

INTERNATIONAL VERSION (230 VAC)

QMI-AMP3X80SR

All the features and specifications of the QM-AMP3X80SR except:

Amplifier

Output power: 80 watts per channel at 100 Volts

Power bandwidth: 75 watts 100Hz to 20kHz

THD (1kHz): <0.1%

Frequency response: 100Hz to 20kHz +0/-3dB

S/N ratio: 110dB below rated output power, A-weighted

Power Requirements

Mains: 230 Volts AC +15%/-25%, 50 Hz, 500 Watts