



Rackmount mixer with 250W amplifier is powered via switchable 115 or 230 VAC @ 50/60Hz or 24VDC. Includes five channel volume controls, treble and bass controls, master volume control, main power switch, and LED display bank for output level.

### FEATURES:

- Five input channels, switchable from XLR mic connector to AUX input dual combining RCA-phono connectors.
- Includes 4W, 8W, 25V, and 70V speaker outputs at a screw terminal strip.
- AUX-6 input channel with dual combining RCA-phono connectors and rear level control.
- Main AC input protected by circuit breaker on rear panel.
- Unswitched (always on) AC outlet in rear is protected by separate circuit breaker.
- Mic-1 mutes channels 3–6.
- Separate telephone input with level control in rear mutes all other inputs.
- Dual RCA/phono parallel tape-out connectors and dual RCA-phono parallel PRE-OUT (preamp out) connectors in rear. Jumper couples one PRE-OUT jack to POWER-AMP-IN jack.
- Chassis-ground termination screw in rear.
- Rack mounting brackets included

### A&E SPECIFICATIONS:

The mixer/amplifier shall be Lowell model MA250 which shall have a 250W power amplifier with 4 ohms, 8 ohms, 25V and 70V speaker outputs at a screw terminal. It shall feature five input channels switchable from XLR mic connector to AUX input dual combining RCA-phono connectors, AUX-6 input channel with dual combining RCA-phono connectors, telephone input, dual RCA-phono parallel tape-out connectors, and dual RCA-phono parallel PRE-OUT (preampout) connectors. The mixer/amplifier shall include five channel volume controls, bass and treble controls, and LED display bank for output level. The unit shall measure 17 in. x 3.5 in. x 13.5 in. [431.8 x 88.9 x 342.9 mm].

### OPTIONS: (order separately)

- **TSM-ISO Signal Isolation Transformer:** When external equipment is connected to a Lowell mixer/amplifier using an unbalanced RCA cord and that equipment has a grounded AC plug or is mounted in the same metal rack as the mixer/amplifier, a ground loop is created that can cause hum in the sound system. Lowell recommends replacing the RCA cord with the TMS-ISO to eliminate the ground loop and the hum it can create.



Optional TSM-ISO signal isolation transformer

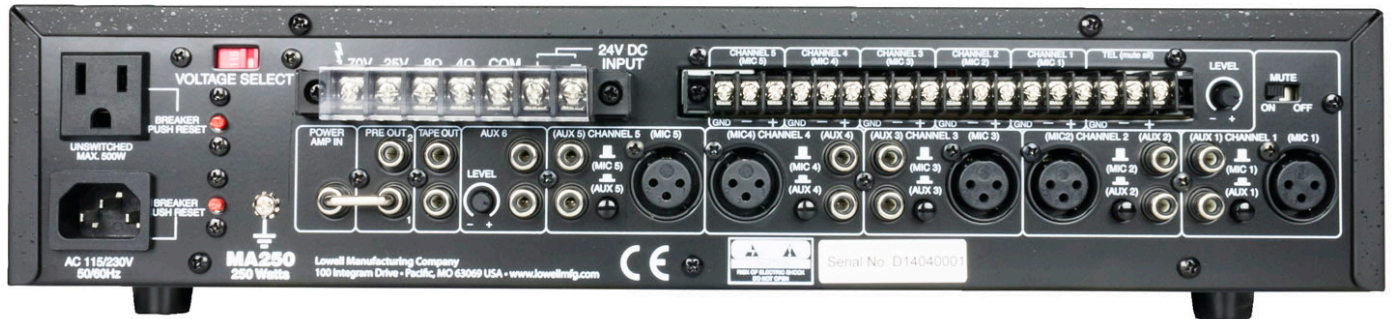
### MA Series Mixer/Amplifier Overview

Model No.	Description	Max. Power Output	Height	Width	Depth	Weight
MA30	Mixer/Amplifier (standalone)	30W	3.46"	8.35"	10.82"	8.8 lbs.
MA30-RK	Mixer/Amplifier & rackmount brackets	30W	3.46"	8.35"	10.82"	8.8 lbs.
MA30-WK	Mixer/Amplifier & wall-mount brackets	30W	3.46"	8.35"	10.82"	8.8 lbs.
MA60	Mixer/Amplifier & rackmount brackets	60W	3.5"	17"	13.5"	17 lbs.
MA125	Mixer/Amplifier & rackmount brackets	125W	3.5"	17"	13.5"	19 lbs.
<b>MA250</b>	<b>Mixer/Amplifier &amp; rackmount brackets</b>	<b>250W</b>	<b>3.5"</b>	<b>17"</b>	<b>13.5"</b>	<b>24 lbs.</b>

This spec



## REAR PANEL:



## TECHNICAL SPECIFICATIONS

AC Supply Voltage.....	115 or 230 VAC (rear panel switchable); $\pm 10\%$ , 60Hz
DC Supply Voltage .....	24 VDC (Max. 10% deviation)
Power Consumption .....	600W (AC); 16A (DC)
Dimensions .....	17 in. x 3.5 in. x 13.5 in. [431.8 x 88.9 x 342.9 mm]
Unit Weight.....	24 lbs. [10.8 kg]
Speaker Level Outputs .....	Screw terminal strip, 4 ohms, 8 ohms, 25V, 70V (250W RMS)
Tape Outputs:.....	Dual parallel RCA-phono jacks, 1V @ 4.7k ohms
Preamp ("Pre") Outputs.....	Dual parallel RCA-phono jacks, 1V @ 600 ohms
Unswitched AC Outlet.....	500W maximum
MIC Inputs 1–5.....	XLR receptacle or screw terminals, 1mV @ 600 ohms balanced Note: With channel AUX switch depressed, XLR and screw terminal inputs still operate but are padded as line input 150mV @ 600 ohms balanced.
AUX Inputs 1-6 .....	Dual parallel RCA-phono jacks, stereo converted to mono, 150mV @22k ohms
Telephone Input 7.....	Screw terminal strip, 150mV @ 600 ohms balanced
Power Amp In.....	RCA-phono jack, 1V @ 8k ohms
Frequency Response .....	50Hz–20kHz $\pm 3$ dB (Test signal inserted at AUX input)
Total Harmonic Distortion .....	Less than 1% at 1kHz at rated power.
Signal to Noise Ratio .....	80dB (Test signal inserted at AUX 6 input); 60dB (Test signal inserted at MIC 1 input)
Tone Controls .....	Bass $\pm 10$ dB @ 100Hz, Treble $\pm 10$ dB @ 10kHz
Phantom Power .....	16VDC, shipped from factory with internal phantom power jumpers set "ON" for channels 1-5. To defeat phantom power, remove cover and set jumper to "OFF." Channel-1: see jumper JP1, Channel-2: see jumper JP2, Channel-3: see jumper JP3, Channel-4: see jumper JP4, Channel-5: see jumper JP5.
Priority Muting: .....	Three levels of priority. See "Amplifier Muting–Priority Scheme" in Installation Instructions

