

# AVLELEC

## MA125 -125 Watt Mixer/Amplifier



Mixer/Amplifier models MA60 (60W), MA125 (125W), and MA250 (250W) have identical features except for the maximum power output (60W, 125W, 250W) and weight. The units are 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

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## MA125 - 125 Watt Mixer/Amplifier

### Technical Specifications

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AC Supply Voltage.....	115 or 230 VAC (rear panel switchable); $\pm 10\%$ , 60Hz
DC Supply Voltage.....	24 VDC (Max. 10% deviation)
Power Consumption.....	MA60: 150W (AC) 5A (DC) MA125: 300W (AC) 8A (DC) MA250: 600W (AC) 16A (DC)
Dimensions .....	17 in.W x 3.5 in.H x 13.5 in.D [431.8 x 88.9 x 342.9 mm]
Unit Weight.....	MA60: 17 lbs. [7.7 kg] MA125: 19 lbs. [8.6 kg] MA250: 24 lbs. [10.8 kg]
Speaker Level Outputs .....	Screw terminal strip, 4 ohms, 8 ohms, 25V, 70V MA60 (60W RMS); MA125 (125W RMS); MA250 (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-phone 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.

### A & E Specifications

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The mixer/amplifier shall be Model No. \_\_\_\_\_ which shall have a \_\_\_\_\_W 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.W x 3.5 in.H x 13.5 in.D [431.8 x 88.9 x 342.9 mm].