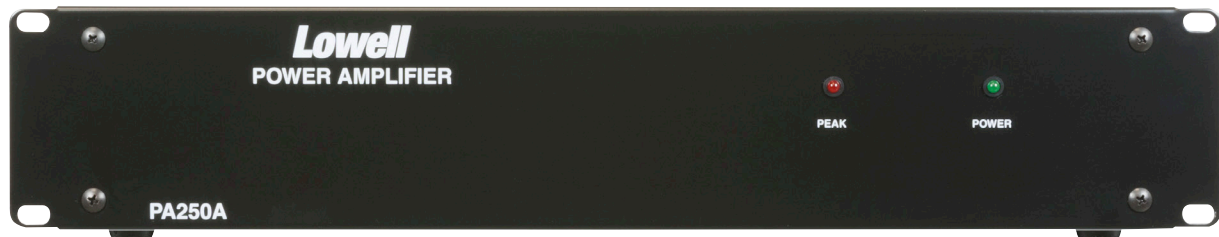


Model No.

# PA250A power amplifier



Front



Rear

The PA250A power amplifier provides 250 watts of continuous RMS power directly to a 4 ohm speaker load. Switch in rear connects internal 25V/70V output transformer for distributed speaker systems. The PA250A can be used to increase power capability of Lowell's MA Series mixer-amplifiers, or it can serve as an all-in-one telephone system paging solution.

## Features

- Master volume control, main power switch, and circuit breaker in rear.
- Balanced telephone paging input and 600 ohm line level balanced input, both controlled by a tamper resistant volume control in the rear.
- Hi-Z unbalanced Aux input with parallel RCA input connectors for music program source input.
- Unique music ducking circuit mutes Aux music input when a paging signal is present at telephone paging input or 600 ohm line level balanced input.
- Paging horn or "trumpet" protection low-cut filter is available by cutting a separate circuit board jumper.

## Technical Specifications

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AC Supply Voltage.....	115/230VAC (switchable) 60Hz $\pm$ 10%, 5A circuit breaker
Power Consumption.....	480W @ rated power
Power LED (green).....	Green LED lights when product is receiving power.
Dimensions.....	19 in.W x 3.5 in.H x 12.5 in.D [482mm x 88mm x 317.5mm]
Weight.....	18 lbs. (8.2 kg)
Speaker Level Outputs .....	Screw terminal strips, 4 ohms, 25V, 70V, 250W RMS (4 ohm output into 8 ohm load delivers 200W RMS)
Peak LED (red) .....	If peak LED flashes red, it indicates peaks are approaching full power. Steady red light may indicate the amplifier is being over-driven, there is sub-sonic or ultra-sonic oscillation in the system, or the amplifier is loaded with a shorted speaker line.
TEL-PAGE Input .....	Screw terminals, 50mV @ 600 ohms balanced (required for full rated output power)
600 ohms Input .....	Screw terminals, 500mV @ 600 ohms balanced (required for full rated output power)
Frequency Response.....	20Hz–20kHz $\pm$ 3dB (4 ohms direct output, any input to any output)
Total Harmonic Distortion.....	$\leq$ 0.3% at 1kHz at rated power (4 ohms direct input)
Hum and Noise .....	$\geq$ 90dB below rated output (unweighted)

## A&E Specifications

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The power amplifier shall be Lowell Model PA250A which shall provide 250 watts of continuous RMS power directly to a 4 ohm speaker load. Rear switch shall connect internal 25V/70V output transformer for distributed speaker system. Includes master volume control, main power switch, circuit breaker, balanced telephone paging input, and 600ohm line level balanced input. The PA250A shall measure 19 in.W x 3.5 in.H x 12.5 in.D [482mm x 88mm x 317.5mm].