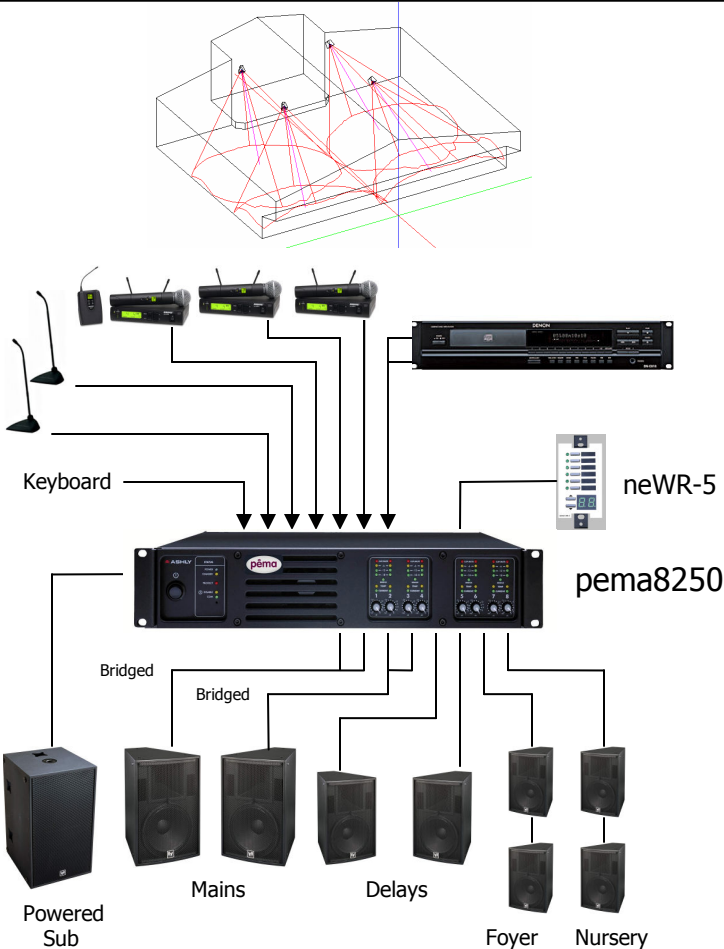


Ashly's PEMA™ has the features that let Systems Integrators replace a rack of amplifiers and signal processing equipment with a single two-rack unit. The combination of a 4 or 8-channel amplifier, 8-in x 8-out sophisticated matrix mixing, and DSP signal processing brings a new level of technology and innovation to Restaurants, Retail Stores, liturgical Churches, School Gymnasiums/Cafeteriums and Courtrooms. Systems designers can select either 125W or 250W output units that are a perfect fit for your project based on ceiling height, loudspeaker sensitivity and ceiling speaker density.



### Church in a Box

- Eight Mic/Line Inputs  
EQ / Compressor
- Input Mix Matrix  
Gain-Sharing Automatic Mixing  
Automatic Feedback Suppression  
Stereo summed to mono
- Eight Channel Power Amplifier  
Crossover / EQ / Delay / Limiter  
150W into 8 ohms (Delays)  
250W into 4 ohms (Foyer & Nursery)  
500W bridged into 8 ohms (Mains)
- Ethernet control is standard
- Extensive protection circuitry
- neWR-5 Remote Control  
Select input(s)  
Adjust input levels
- Remote Power On/Off

Creating and controlling a church sound system has now been simplified with Ashly's PEMA™ Series multi-channel power amplifier. This application uses the **pema8250**, an 8 channel power amplifier with an 8 x 8 mic/line matrix mixer and DSP on all inputs and outputs. Processing blocks include Gain-Sharing Automatic Mixing, Automatic Feedback Suppression, Stereo-Summed-to-Mono, Ambient Noise Control, Equalization, High-, Low- and All-Pass Filters (HPF/LPF/APF), Delay, Compressor/Limiter, Gate, Ducking, Gain and Signal Generators (sinewave, white and pink noise). The full Matrix Mixer with assignable routing allows any input to drive any or all amplifier outputs. Presets can be used to store and retrieve system configurations.

Connected directly to the **pema8250** inputs are two wired podium microphones, three handheld wireless microphones, a keyboard, and a rack-mounted CD player. Input eq and compressors are set specifically for the individual inputs. Microphones have the bass rolled off and music has the bass "pumped up". The internal matrix sums all inputs and routes them to the correct outputs. Each output has dedicated eq and limiter protection applied. A line-level output drives the powered subwoofer. Bridged outputs (500W into 8 ohms) drive the mains loudspeakers and 150W will be available on each delay loudspeaker. 125W will be available for each foyer and nursery loudspeaker. The neWR-5 wall remote provides user adjustments for microphone levels, music playback levels and system preset.

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