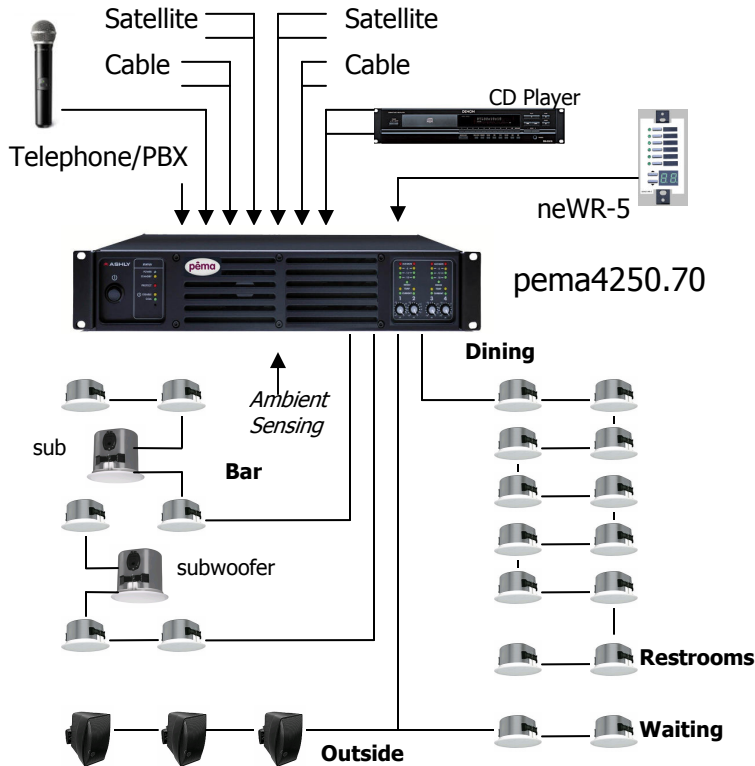


Ashly's PEMA™ has the features that let Systems Integrators replace a rack of amplifiers and signal processing equipment with a single two-rack unit. The combination of a 4 or 8-channel amplifier, 8-in x 8-out sophisticated matrix mixing, and DSP signal processing brings a new level of technology and 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.



**Restaurant in a Box**

- **Eight Mic/Line Inputs**  
Telephone input on Channel 1  
Paging Microphone  
Dual RCA on all inputs  
EQ / Compressor
- **Input Mix Matrix**  
Automatic Feedback Suppression  
Event Scheduling  
Stereo summed to mono
- **Four Channel Power Amplifier**  
EQ / Delay / Limiter  
Ambient Noise adjusts Bar sound level  
250W into 70V per channel
- **Ethernet control is standard**
- **Extensive protection circuitry**
- **neWR-5 Remote Control**  
Select input(s)  
Adjust input levels
- **Remote Power On/Off**  
Disable power switch

Creating and controlling a restaurant sound system has now been simplified with Ashly's PEMA™ Series multi-channel power amplifier. This application uses the **pema4250.70**, a 4 x 70V 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 **pema4250.70** inputs are two stereo satellite inputs, two stereo cable TV inputs, a CD player, a handheld microphone, and telephone paging. Stereo RCA inputs are properly summed to mono on each input. 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 routes inputs to the applicable power amplifier outputs. Each output has dedicated eq and limiter protection applied. 250W-70V is available on each of the four (4) powered outputs.

Ambient Noise Sensing will automatically adjust sound levels as the bar crowd ebbs and flows.

One or more of the neWR-5 wall remotes provides user adjustments for microphone levels, music playback levels and system preset (assign inputs to different areas).

Visit [www.ashly.com](http://www.ashly.com) to download Protea software and data sheets