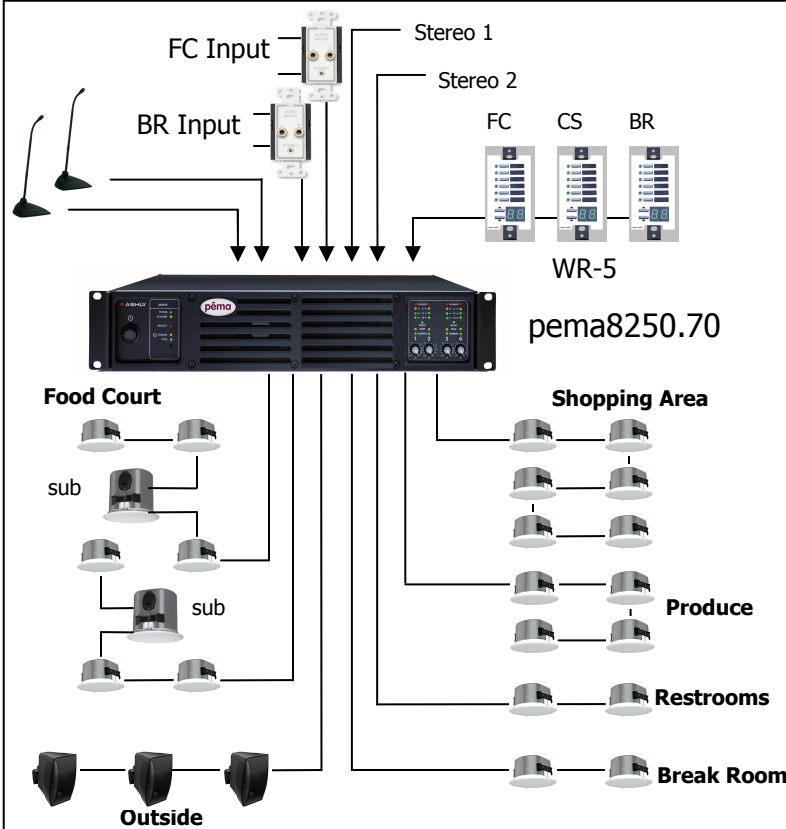


Ashly's PEMA™ has the features that let Systems Integrators replace a rack of amplifiers and signal processing equipment with a single two-rack unit. The combination of a 4 or 8-channel amplifier, 8-in x 8-out sophisticated matrix mixing, and DSP signal processing brings a new level of technology and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



### Supermarket in a Box

- **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
- **Eight Channel Power Amplifier**
  - EQ / Delay / Limiter
  - 250W into 70V per channel
- Ethernet control is standard
- Extensive protection circuitry
- **WR-5 Remote Control**
  - Select zone input
  - Adjust zone level
- **Remote Power On/Off**
  - Disable power switch

Creating and controlling a supermarket sound system has now been simplified with Ashly's PEMA™ Series multi-channel power amplifier. This application uses the **pema8250.70**, an 8 x 250W/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.

Connected directly to the **pema8250.70** inputs will be two stereo sources, two stereo-summed-to-mono inputs from the Break Room (BR) and the Food Court (FC), and two paging microphones. Stereo RCA inputs can be properly summed to mono on the input of the pema, or remote stereo inputs are summed using a wall-plate transformer. Input eq and compressors are set specifically for the individual inputs. The 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 Eight (8) powered outputs.

WR-5 wall-remotes are configured for each area of control. The wall-remote allows the user to select an audio source and make level adjustments as needed. The Food Court WR-5 can select a local mic, a local stereo input, or a stereo source. The Break Room WR-5 can select a local input or a stereo source. The Customer Service (CS) WR-5 selects a stereo source for the shopping, produce, restrooms, and outside areas. Each of these areas can be adjusted to different sound levels. Customer Service can "duck" the music and page directly into all areas at once, or only into selected areas.

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