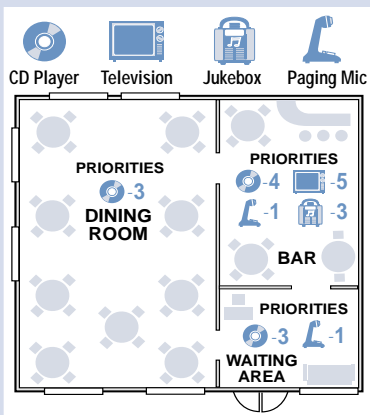


What Does The Pro-Matrix Do?

The Pro-Matrix products are ideally suited for restaurants and similar venues. It provides 4 Aux and 2 Mic inputs that can be distributed into 3 different zones. The Pro-Matrix automatically switches the different audio sources based on a preset, user-programmed priority hierarchy. This allows the correct audio to reach the correct areas without any user intervention, making operation ultra simple.

For example, suppose a restaurant has a dining area, lounge, and waiting area that are in need of the following audio sources:

- **The Dining Area** - Uninterrupted background music only, no other sources.
- **The Bar** - Hostess paging mic and either background music jukebox, or TV audio.
- **The Waiting Area** - Hostess paging mic and background music only.



The Pro-Matrix adapts quickly to this situation. Connect each area to a different audio channel. Then connect the background music source, jukebox, and TV audio to the aux inputs, and connect the hostess paging mic. The rest of the installation is completed using the detachable 10-character control panel. Using simple prompted programming, give each input the priority it should have relative to the other sources for each area. Undesired sources can be removed from the priority list in a particular area so they cannot cut in.

This flexible priority assignment allows all the sources needed in the lounge to be handled correctly and automatically, while the same source in the dining and waiting areas are automatically handled differently according to their needs.

In addition to flexible priority assignment of inputs, the Pro-Matrix has 10 different menus that allow control of a host of system operations from applying phantom power to mics to setting the muting level of music during mic pages and much more.

Pro-Matrix Series



Digitally Matrixed Pre-Amp PM3000



Digitally Matrixed Amplifier PM3180

The Pro-Matrix products were developed expressly for the needs of restaurants, lounges, fitness centers and other venues that require numerous input sources but have areas with distinctly different audio requirements. The Pro-Matrix products provide 3 fully independent audio channels that can use any of the 6 different inputs in vastly different ways. The Pro-Matrix units are designed to be as easy for users to operate as a home stereo yet provide the installer a wide array of customizable features that are all password-protected from tampering.

PM3180 Features:

- 100, 60, and 20 watt amplifier channels
- 8-ohm, 70V, and 25V transformer coupled outputs
- 4-ohm direct output
- Audio inserts for connection to external signal processing equipment

PM3000 Features:

- 3 Pre-amp level outputs, both balanced and unbalanced
- Ground Lift switch

Installer Programmable Features:

- Easy to understand and operate
- Large 10-character alphanumeric display with prompted programming for quick setup
- Password-protected system settings for consistent, foolproof operation
- 6 user-assigned priority levels for inputs
- Each input can be assigned different priority levels for each of the 3 output channels
- Volume and tone control lockout, independently on each audio channel
- Configure microphone input (ALC, phantom power, VOX or contact triggered)
- Preset power-up levels of each input for volume, treble, and bass
- Programmable variable music mute levels during MIC or TEL page
- Preset bass and treble response of each input for each audio channel
- Limit maximum volume level a user can achieve, programmable for each audio channel
- Large display shows currently active input source
- Create custom names for input source display

General Features:

- 3 Independent audio channels
- Auto-switching of inputs based on custom assigned priorities and input audio activity
- 4 High-impedance, unbalanced auxiliary inputs
- 2 Microphone inputs; one input can be programmed to accept a telephone line for paging
- Auxiliary trim controls accommodate a wide range of auxiliary input signal levels
- Wireless infrared remote control unit
- Detachable front panel can be mounted up to 25 feet away from main unit using included accessory cable or up to 250 ft. with optional mounting kit (RMPWMK3)
- Output level metering for each audio channel
- Automatic fade-in of audio sources
- Automatic level control for microphones (selectable)
- Microphone page triggering by voice or switch (N.O. or N.C.)
- Phantom power for microphones (selectable)
- Rack mountable with kit (RPK79)
- Wall Mount Kit (RMPWMK3) extends maximum separation between front panel and unit to 250 ft.

User Features:

- Manual or automatic selection of input source
- Volume, bass, and treble controls for each audio channel

Accessories



RMPWMK3
Remote Wall Mounting Kit for Removable Front Panel



RPK79
Rack Mounting Kit

Technical Specifications, Dimensions, and Weights can be found on Page 67