

Flexible Output Levels

The VMIX was designed to make connections to other sound system components as easy as possible. Its transformer-balanced output provides ground loop isolation and high noise immunity when connected to other balanced inputs of downstream components. This output can provide 3 distinct output voltage ranges to accommodate just about any input type from a microphone input at -50 dBμ to a professional audio input requiring +4 dBμ, as well as a more common commercial level of -10 dBμ. Setting the proper output range is as easy as moving a slide switch. The VMIX provides a separate unbalanced RCA output, which makes simple equipment interconnects a snap.

Signal-Processing Modules

When signal-processing output modules are installed into the Power Vector's last two module bays, they automatically insert themselves into the mix bus signal path leading to the output stage. When two of these output modules are installed, their effects are cascaded with the second to last bay's module processing the signal first and then passing it to the module in the last bay. Two benefits are gained by this innovation: (1) the effects insert jacks are still available for use by external processing equipment, (2) the signal-processing output modules act on the signal on the raw mix bus signal before any other user controls, like master volume, bass, and treble can affect it. This then ensures that signal level dependent processors, such as the CMP1R Compressor/Limiter and the ANS1R Ambient Noise Sensor modules, perform as intended regardless of front panel control changes.

Accessories

PVMC
Module
Security Cover



PVSC
Power Vector
Security Cover



RVCP
Remote Volume
Control Panel



RPK87
Rack
Mounting Kit



MODULAR MIXER

Power Vector Mixer VMIX



AMPLIFIED
VERSIONS
on
Pages 38 & 40

This 8-channel Power Vector mixer/pre-amplifier offers a wide variety of operational features and functions for superior audio performance. Eight module bays accept plug-in modules, allowing up to four levels of priority between modules. Security covers for both the front and rear of the unit prevent tampering with settings. For large applications, several Power Vector Mixers can be bridged together.

Product Features:

- Wide selection of plug-in modules
- 8 module bays
- 2 module bays capable of handling signal-processing plug-in output modules
- 4 levels of priority between modules
- 8 inputs, with independent volume controls for each
- LED signal/clip indicator for each channel
- Bass and treble controls
- 11-segment LED output level meter monitors the output level of the mixer with Avg./Peak switch
- Balanced transformer-isolated output
- Balanced output signal level switch (-50, -10, and +4 dBμ)
- Unbalanced signal output jack
- Join multiple Power Vector mixers together using bridging jack and mute terminals
- Motorized master volume control that can be remotely operated (with RVCP Remote Volume Control Panel, sold separately)
- 125 Hz Low Cut feature (switch located in module bay 6)
- Tone control bypass switch (located in module bay 6)
- Module security cover prevents tampering with module controls (PVMC, 8 included)
- Resettable circuit breaker
- Grounded, unswitched AC convenience receptacle with a 500W maximum capacity provided for external equipment
- Power indicator
- Rack mountable (rack mounting kit RPK87, sold separately)
- Security cover to protect front controls and allow access to installer selected controls (PVSC, sold separately)
- Listed to UL Standard 60065 for US and Canada

MODULES



Input & Signal-Processing Modules- See Pages 39 & 40



Rear View

ALL MODULES SOLD SEPARATELY

Technical Specifications:

Output Level Meter	Frequency Response	Output Impedance	Signal-To-Noise Ratio	Dimensions	Product Weight
11 Segments	±1 dB (20 Hz-20 kHz) balanced-out	100 ohms, unbalanced; 50 ohms @ +4 dBμ, 600 ohms @ -10 dBμ, 5 ohms @ -50 dBμ, balanced	-99 dB, fundamental	17-1/4" W x 3-7/8" H x 14-3/4" D	15 lb.