



## ProRack™- Monitor (Matrix) M1016

APB-DynaSonics' ProRack-Monitor small-format monitor (matrix) mixer incorporates a wealth of professional features and exceptional performance into 10 rack spaces. The chassis design features an adjustable connector assembly that freely rotates and can be set to three different angles relative to the front panel. This allows the input and output connectors to be properly positioned whether these mixers are mounted in a vertical rack, slant rack or used on a desk top. ProRack-Monitor feature 16 input channels with built in passive splitter system and 18 outputs (8 Stereo and 2 mono), each with post fader AFL (solo) monitor switches.

ProRack's audio design is based on the critically acclaimed Spectra Series consoles. This includes the use of minimum phase-shift circuitry, expressive EQ and integrated mic preamplifiers used in a proprietary front end circuit. In addition to superior audio quality, reliability and serviceability are also primary design criteria for ProRack. Internal construction is based upon a passive mother board and multiple active daughter boards. The active electronics of a single input channel is designed onto field-replaceable electronics modules. The power supply is a plug-in assembly that can be easily field-replaced by removing 6 screws. Special care has been taken to reduce RF interference and eliminate any Pin-1 related problems.



**ProRack™- Monitor (Matrix) M1016 - Rotatable (3 Position) real panel assembly.**

**FEATURE OVERVIEW:**

16 Mono input channels - generating up to 8 Stereo Mixes (perfect for in-ear type monitor systems) plus 2 additional Mono Mixes from each input channel.

48 volt Phantom Power switch, Mic/Line switch, Mic Pad switch, and Polarity Reverse switch.

Variable frequency high-pass filters are included on all input channels with a 20Hz to 400Hz sweep range at a 12dB per octave attenuation rate .

Fixed high and low frequency EQ bands and two mid-sweep EQ bands with one-octave bandwidth. This EQ includes an EQ On switch with LED indicator and is based on Spectra EQ circuitry.

8 Stereo Mixes, with each input channel having separate level and pan controls to each stereo mix, plus two Mono Mixes which are switch selected between pre or post the channel's master level control.

All 18 outputs (in total) have balanced XLR connectors, TRS Insert points (pre AFL solo system), and (on the first 16 outputs) balanced line input connectors which route in pairs to each stereo mix and are controlled by a front panel fader within each of the 8 stereo master output control sections.

Internally illuminated Mute and PFL/AFL switches are provided along with 6-segment LED metering and channel master level control.

Built in passive splitter system with Pin-1 Lift switches.

100-240 VAC, 50/60Hz Power Supply - Field replaceable (plug in) without disassembly of mixer. An adjustable lamp dimmer provided for the 4-Pin XLR connector for use with (optional) gooseneck lamp.

Adjustable connector assembly rotates and can be locked into any of three different angles relative to the front panel.

**Specifications:**

Frequency Response (Any input to any output) .....+0/-0.5dB 20Hz to 20kHz (ref to 1kHz)

Phase Response (Mic input to Main Output).....+10/-15 degrees, 20Hz to 20kHz (ref 1kHz)

THD + Noise (Mic Input to Main Output).....<0.01% @ 15dBu output

Noise: All measurements ref to 20Hz to 20kHz Bandwidth unless noted.

Mic EIN.....-128dBu @ 60dB gain, 150 ohm source

Bus Output Noise.....-85dBu (all Channels assigned w/faders down, Master fader at unity).

**Interconnect Features:**

- 1:1 passive Splitter system with Pin 1 lift switch on all input channels.
- Inserts on all input channels, and 8 Stereo output channels ( Left and Right).
- Bus inputs on 16 mix buses (Stereo Outputs) to allow for easy expansion through linking of units.
- Both 1/4" and 1/8" Headphone connectors are provided.

ProRack rear panel shown in full open, mid and closed positions.

