



## Quality Features

- 16 Channels of visual monitoring.
- 16 x 1 Selectable aural monitoring with front access audio trim level adjustment.
- 3" Shielded driver with push on/off switch.
- Intuitive touch control switching.
- Removable terminations for pre-wire convenience.
- PocketID™ overlay for easy channel identification in the field.
- Independent line level feed through.
- 2RU Chassis, UL power supply.

## MP-16 Specifications

### Connections:

Headphone (front): 1/4" stereo jack (J3). May be used w monaural headphones.

Power (rear): Din, 5-pin. Pins 1 & 3: 18VAC, 2A 50-60Hz; Pin 2: chassis ground.

Audio Line Balanced 600 ohm Out: Level adj. by internal pot (factory set at 0dBu).

Input: 16 two-conductor plugs (removable connectors). Wire size 30-12AWG.

### Mechanical:

Dimensions: 19"W x 3.5"H (2RU) x 9"D

Weight: Unit is 6.5lbs., power supply is 1.5lbs.

Exterior: Formed metal chassis with black powder coat finish, white silkscreen, and blue membrane pushbutton controls.

### Electrical:

Power: 18VAC 50-60Hz, 2A or 18VDC 1.25A (includes adapter for 120VAC to 18VAC)

Input impedances: 0.070v = 40 kilohms, 0.70v = 400 kilohms, 70.7v = 40 megohms.

Input voltage: Factory set at .70V. Selectable with 9dB headroom.

Output impedance: Balanced, 600ohms

Output level: 0dBu (factory setting with input switch in center, 0dBu 1kHz signal input).

Speaker Amplifier Output: Power is 10W into 3.2 ohms

Headphone Jack Output: 4v RMS open circuit, max ; Output into 32 ohms: 1v RMS (aprox. 30 milliwatts, SPL ~ 109dB).

## Description

Model MP-16 amplified monitor panel offers sixteen channels of visual monitoring and 16 x 1 selectable aural monitoring through installer choice of line or speaker levels per channel. Each input (from 70mv to 70v) is capable of being calibrated to read 0 VU providing monitoring capabilities ranging from CD/tape player type outputs to 70 volt amplifier outputs. Visual monitoring is accomplished via sixteen 6-position, 3-color LED display banks. Aural monitoring of a specific channel (16x1) is accomplished using the channel select buttons and listening through the high quality 3" shielded driver and/or a switched monaural headphone output (stereo jack) driven by a full bandwidth 10 watt amplifier. A front-mounted speaker push on/off switch with a built-in green LED indicator makes audio referencing easy. When a channel is selected for listening it automatically feeds the balanced 600ohm output located on the rear of the chassis. Volume adjustments are also made on the front using the intuitive touch control buttons.

For channel identification and easy jobsite reference, each Lowell MP-16 monitor panel includes a clear **PocketID™** window to insert a 1/2" paper label strip (*label program in MSWord format available at [www.lowellmfg.com](http://www.lowellmfg.com)*) or label tape such as P-Touch™ brand (available at office supply stores).

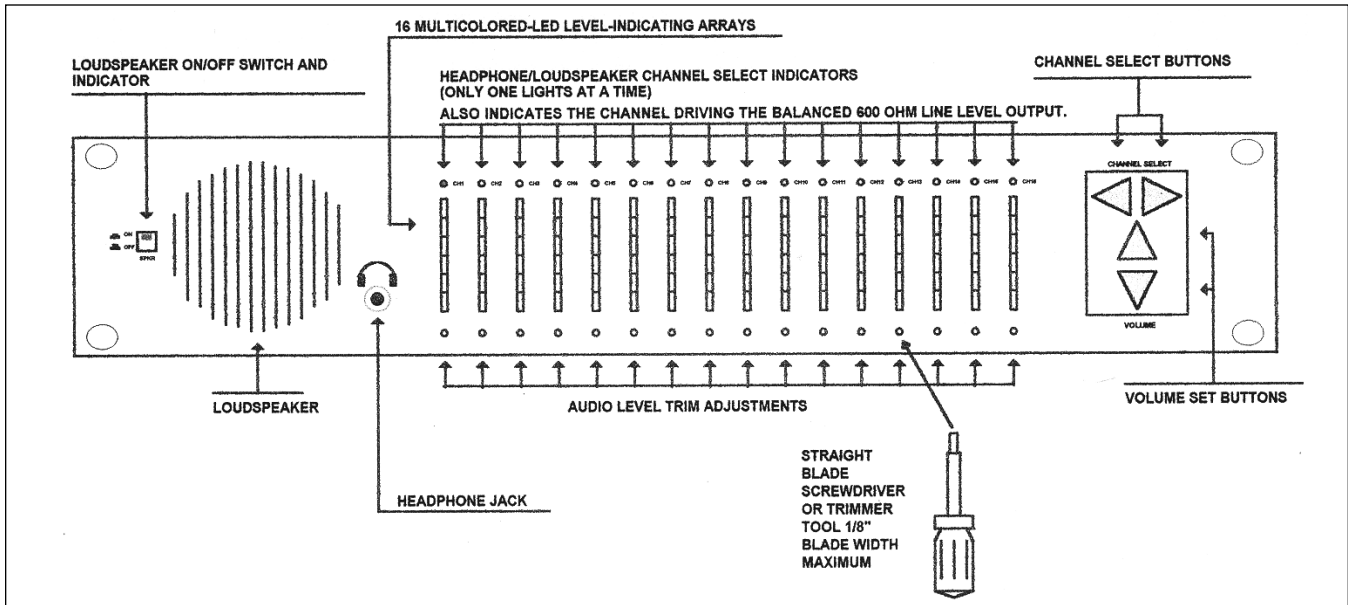
Rear panel termination for input connections is made to phoenix-style removable terminals to allow for pre-wiring of harnesses with easy plug-in to MP-16 for efficient installation and service requirements. Rackmount 19" chassis is 19"W x 3.5"H (2RU) x 9"D, finished in black, and comes with a UL / CSA Listed power supply.



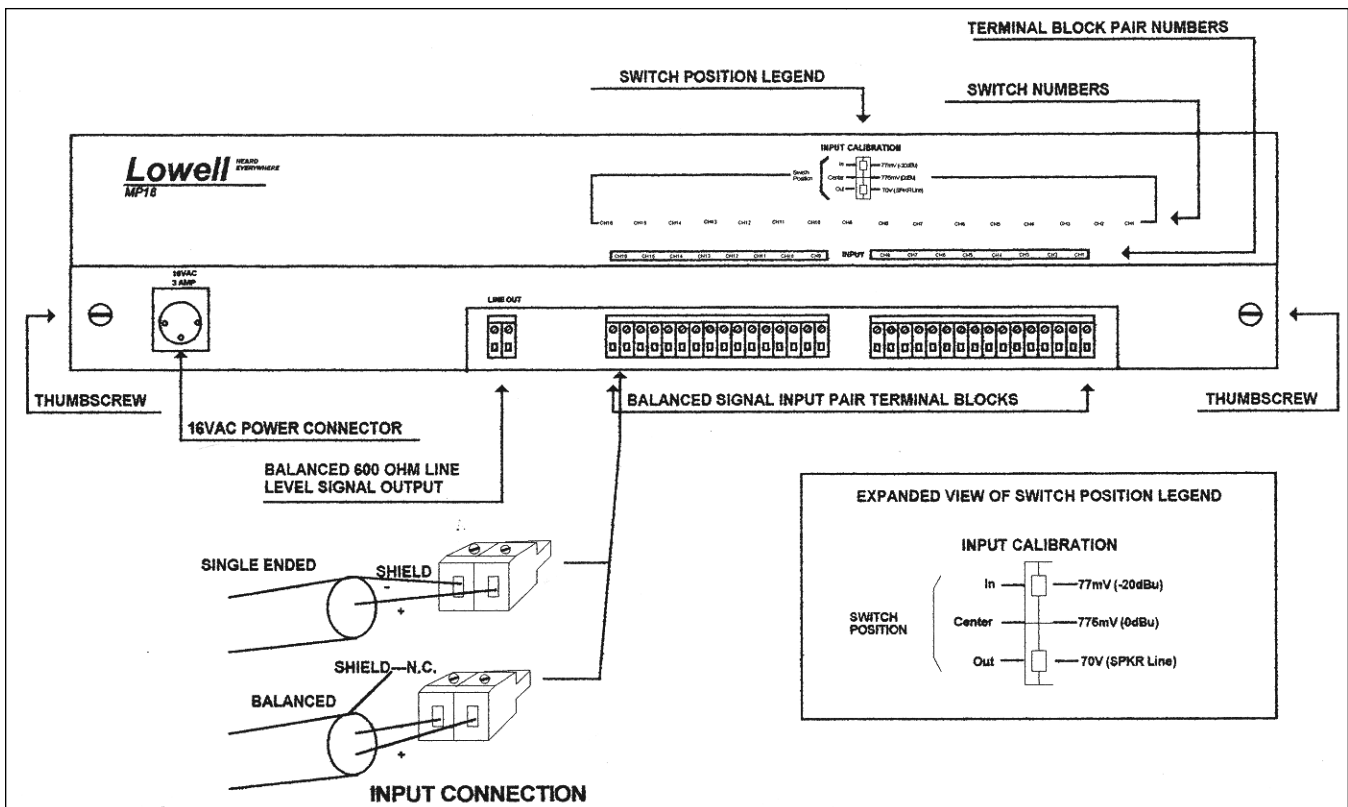
### A & E Specifications

The amplified monitor panel shall be Lowell Model MP-16. It shall have sixteen channels of visual monitoring and 16 x 1 selectable aural monitoring. Device shall be capable of taking input signals from 70mv to 70V and each shall be capable of being calibrated to 0 VU. Visual monitoring of up to sixteen channels shall be accomplished using sixteen 6-position 3-color LED banks. Aural monitoring of a single channel (16 x 1) shall be accomplished using the pushbutton channel selector

to hear through the 3" shielded driver and/or a switched monaural headphone output (stereo jack). Active listening channel shall automatically feed the balanced 600ohm output located on the rear of the chassis. Front panel shall also include a clear pocket area to insert labeling for channel identification. Rear panel inputs shall be removable two-conductor plugs. Chassis shall be 19"W x 3.5"H (2RU) x 9"D, finished in black and furnished with a UL/CSA listed power supply.



Front panel layout Model MP-16



Rear panel layout Model MP-16

A  
U  
D  
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O

12"/10" Speakers & Accessories

8" Speakers & Accessories

6" Speakers & Accessories

4" Speakers & Accessories

Horn Speakers & Accessories

Masking Speakers & Generators

Control Accessories & Electronics

Monitor Panels