

## MP-16

### 16 CHANNEL AUDIO MONITOR PANEL



The MP-16 is a 16-channel audio monitor panel, which can be mounted on an EIA standard equipment rack (2 unit size). It allows monitoring 25/70/100 V high impedance speaker line, low impedance speaker line and line level audio signals by LED level meters. One of the 16 channels audio can be monitored with a built-in speaker or an optional headphone.

### Key features

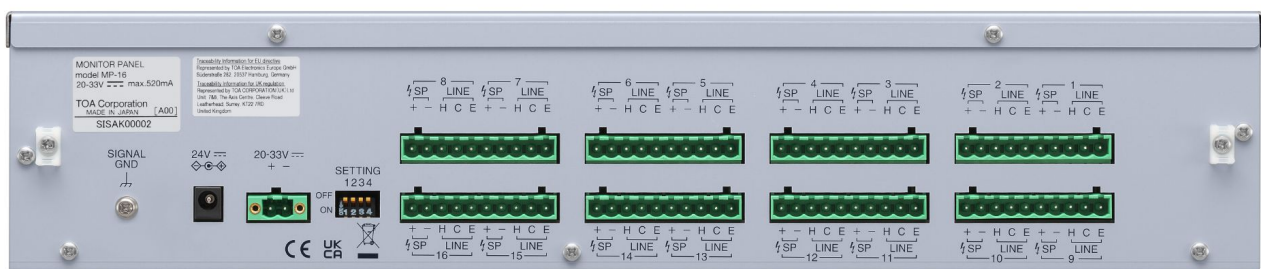
- 16 channels audio monitoring
- Visual monitoring with 12-segments LED meters
- Aural monitoring by built-in speaker and optional headphones
- A variety of input capacity: line level, low-z speaker lines and 25/70/100V hi-z speaker lines
- EIA standard rack mounting (2 unit size)
- Dedicated AC adapter input and direct DC24V input terminal

## Specifications

(\*1) 0 dB = 1 V

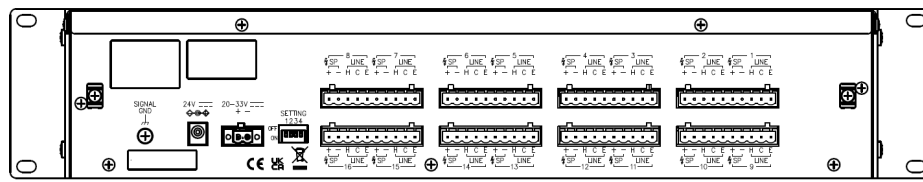
|                       |  |
|-----------------------|--|
| Power Source          | Supplied from an external 24 V DC (20-33 V) power supply, Removable terminal block (2 pins) or AC adapter AD-246 (option)                                      |
| Current Consumption   | 520 mA (max.)  |
| Input                 | High impedance speaker: Max. 100 V<br>Low impedance speaker: Max. 1200 W (8 Ω)<br>Line: +6 dB (*1)   |
| Output                | Speaker Output: Max. 3 W<br>Headphone Output: 8 Ω  |
| Level Display         | Meter: 12-segment LED meter x16<br>Level Indications: 1.6 - 100 V (High impedance speaker)<br>0.3 - 1200 W (Low impedance speaker)<br>-30 to +6 dB (*1) (Line) |
| Operating Temperature | 0 °C to +40 °C (32 °F to 104 °F)   |
| Operating Humidity    | 90 %RH or less (no condensation)   |
| Finish                | Panel: Pre-coated steel plate, black, 30 % gloss<br>Case: Surface-treated steel plate  |
| Dimensions            | 482 (W) x 88.4 (H) x 240.8 (D) mm (18.98" x 3.48" x 9.48")   |
| Weight                | 3.9 kg (8.6 lb)  |
| Included Accessories  | Removable terminal plug (10 pins, input terminal) x 8, Removable terminal plug (2 pins, power supply) x 1, Rack mounting screw x 4                             |
| Optional Accessories  | AC adapter: AD-246   |

## Product rear image



## Dimensions

Rear View

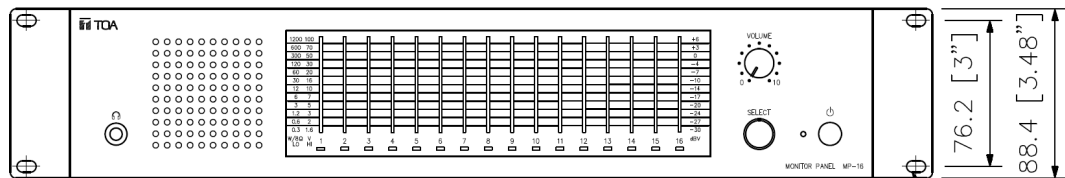


482 [18.98"]

465 [18.31"]

420 [16.54"]

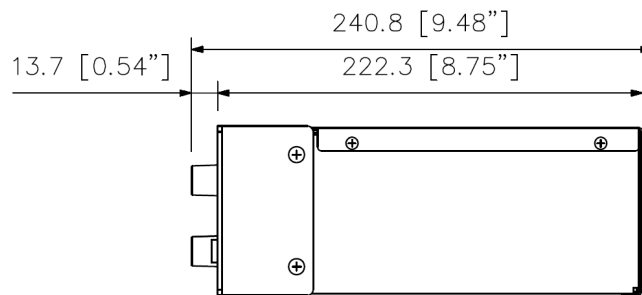
Front View



76.2 [3"]  
88.4 [3.48"]

4-6x10  
[0.24"x0.39"]

Side View



UNIT:mm

## A&E specifications

The multi-channel audio monitor panel shall provide visual and aural monitoring of up to 16 channels of any combination of high/low impedance speaker and line level circuits. Maximum output level shall be 3 W into the built-in monitor speaker and a headphone jack for 8 ohm or higher impedance headphones. Maximum input levels for full meter reading are 100 V for high impedance speakers, 1200 W (8 ohms) for low impedance speakers and +6 dB for line level inputs. The front panel shall have a standard 6.3 mm phone jack and built-in monitor speaker. Front panel controls and switches shall include: POWER On/Off switch; VOLUME control and SELECT switch for selecting an input channel to be monitored by the built-in monitor speaker or optional headphones. Front panel indicators for each channel shall include: Channel Select LED to indicate the channel being aurally monitored;

a 12-segment LED meter that shall be active at all times and calibrated for 1.6 V to 100V for high impedance speakers, 0.3 W to 1200 W for low impedance speakers at 8 ohms and -30 dB to +6 dB for line level signals. The rear panel shall have a switch for enabling the level meters to ignore and not display the recurring low signals.

The rear panel shall also include: signal ground terminal; AC adapter jack; DC power input terminal and individual removable block terminals per each channel of speaker and line level input. The unit shall use 2 space units of a standard EIA component rack space and its dimensions shall be 482.0 (W) X 88.4 (H) X 240.8 (D) mm (18.98" x 3.48" x 9.48"). Weight shall be 3.9 kg (8.6 lbs.) and finished in black pre-coated steel plate front panel, with surface-treated steel plate case. Standard equipment rack-mounting shall be provided. Optional extra; AC Adapter: AD-246, manufactured by TOA Corporation. Manufacturer: TOA Corporation

Model: MP-16