

## Portable Speakers

# MILAN M18B

2200 Watt 18" Powered Subwoofer with KLARK TEKNIK Technology for Portable PA and Installation Applications

- Band pass powered subwoofer for portable PA and installation applications
- 2,200 Watt power featuring KLARK TEKNIK Class-D technology
- High excursion 18" low frequency driver with 4" voice coil and double suspension
- Bass boost and polarity switch for accurate low frequency system integration
- Birch plywood enclosure with hard wearing semi matt black paint finish
- Rugged powder coated perforated steel mesh grille
- 36 mm pole mount to support satellite speaker
- Plated steel castors with rubber tyres
- 3-Year Warranty Program\*
- Designed and engineered in England



The MILAN M18B is powered 18" bandpass subwoofer that extends the frequency range and increases the overall loudness of any MILAN system.

The bandpass design produces high bass energy within the pass band, which is tuned to reinforce bass instrument frequencies, and the steep cut-off slopes ensure an effective acoustic transition to MILAN full-range loudspeakers.



The onboard Class-D amplifier provides over 2,200 watts of maximum output power with plenty of headroom to power the long-excursion bass driver, allowing short term transients to be reproduced with wide dynamic range. Two discrete balanced XLR inputs plus corresponding thru connections on balanced male XLR allow a stereo system comprising of two MILAN full-range loudspeakers to be operated

with only one subwoofer if required, the sub-bass frequencies being filtered and summed to the subwoofer drive unit. A switchable 6 dB boost is available at a centre frequency between 40 Hz and 90 Hz, while an overall level control allows the sub-bass frequencies to be balanced with the system. A polarity switch is provided for optimum subwoofer integration. Rear panel LEDs indicate power on, signal present, and the onset of limiting action.

The birch plywood cabinet is equipped with heavy duty wheels to aid handling and transportation, while the pole mount socket allows MILAN full range loudspeakers to be mounted on top of the subwoofer with a minimal footprint.

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## A&E Specifications

The system shall be of the bandpass type consisting of one 18" (457 mm) low frequency loudspeaker together with an integrated Class-D amplifier. Performance specifications of a typical production unit shall meet or exceed the following: Frequency response, measured with swept sine wave input, shall be flat within  $\pm 3$  dB from 40 Hz to 100 Hz, and within -10 dB from 30 Hz to 150 Hz. Maximum SPL (peak) measured with music program input shall be 134 dB in half space.

Dimensions: 590 mm high x 640 mm wide x 530 mm high (23.2" x 25.2" x 20.9"). Net weight: 48 kg (105.6 lbs). The loudspeaker system shall be the Turbosound MILAN M18B. No other loudspeaker shall be acceptable unless submitted data from an independent test laboratory verify that the above combined performance / size specifications are equalled or exceeded.

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## Technical Specifications

### Dimensions (H x W x D)

590 x 640 x 530 mm (23.2 x 25.2 x 20.9")

### Net Weight

48 kg (105.6 lbs)

### Components

1 x 18" (457 mm) LF driver

### Frequency Response

40 Hz–100 Hz  $\pm 3$  dB, 30 Hz–150 Hz -10 dB

### Maximum SPL

134 dB peak (half space)

### Boost Frequency

+6 dB @ 40 Hz–90 Hz, Q=1

### Construction

Birch plywood, screwed and glued

### Connectors

Input: 2 x female XLR wired pin 2 hot; Thru: 2 x male XLR wired pin 2 hot;  
IEC mains connector with integrated fuseholder

### Controls

Level, Polarity, Boost, Boost Frequency

### Indicators

Power LED (blue), SIG LED (green), LIMIT LED (red)

### Amplifier

Type:	Class-D
Max Output Power:	2200 W
Input Sensitivity:	+4 dBu @ centre position for full rated power
Input Impedance:	10 k $\Omega$ unbalanced, 20 k $\Omega$ balanced
Amplifier Protection:	Full short circuit, thermal, overcurrent, DC

### Mains Voltage

USA / CAN:	100–120 V~ (T 12 A H 250 V)
UK / AUS / EUR:	220–240 V~ (T 6.3 A H 250 V)
CN:	220–240 V~ (T 6.3 A H 250 V)
JP:	100–120 V~ (T 12 A H 250 V)

### Power Consumption

280 W @ 1/8 max power

### Spares And Accessories

LS-1819	Low frequency driver
RC-1819	Recone kit
AMP-M15BM18B	Replacement amplifier assembly

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