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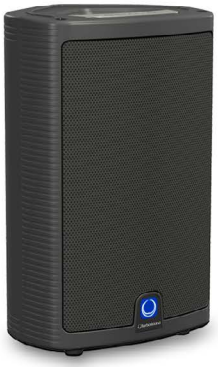
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Milan M10

600-Watt Powered 10” Loudspeaker with KLARK TEKNIK DSP Technology

- 600-Watt 2-Way loudspeaker system for FOH and floor monitoring applications
- KLARK TEKNIK signal processor dynamically optimises sound quality at all levels and protects drivers
- Converging Elliptical Waveguide provides wide dispersion and excellent pattern control
- State-of-the-art aluminium-diaphragm compression driver for exceptional high-frequency reproduction
- Long-excursion 10” low-frequency driver provides extremely deep bass response
- Sophisticated Class-D amplifier delivers your sound with clarity and definition
- Roadworthy and lightweight composite cabinet with black finish
- 2 discrete mic/line input channels with individual level controls and peak indicators
- Musical 2-band EQ for flexible sound adjustment
- Speech/music switch featuring optimised EQ for voices or music applications
- Designed and engineered by TURBOSOUND in England





The Milan M10 is a portable 10” two-way powered loudspeaker featuring two independent input channels, mic and line inputs, two band EQ, intelligent limiting, and a Mix Out function for connection to additional Milan loudspeakers for easy system expansion.

The Class-D amplifier is a two channel unit with an integrated electronic crossover, allowing the HF and LF drivers to be powered separately without one being able to influence the sound of the other. Total output power is 600 watts peak, providing plenty of headroom to maintain good dynamic range so that transient signals are delivered effortlessly. The lightweight switch-mode power supply couples with industry leading Klark Teknik digital signal processing, providing dynamic equalisation and sophisticated limiting functions to ensure optimum performance and long term reliability.

The two discrete input channels are each equipped with balanced combination jack/XLR connectors and a level control, catering for a broad range of music sources from low impedance microphones, acoustic guitars and keyboards, to mp3 players and mixing consoles, selectable via a mic/line slide switch.

Common to both channels are bass and treble controls with ±6dB of cut or boost to allow the loudspeaker to be equalised to the venue. In addition, a low cut filter is provided at 100Hz to shelve the low frequency response when used on the floor as a wedge monitor, or to ensure correct integration with subwoofers. A speech/music switch optimises the loudspeaker’s frequency response either for predominantly vocal material or for music programme. A Mix Out function sends the mix of both input channels post-EQ to additional Milan loudspeakers on a balanced male XLR for easy system expansion.

The trapezoidal enclosure is fabricated from high density polypropylene, and is extensively ribbed externally and internally to eliminate resonances and also to provide an attractive and durable cabinet finish. The symmetrical side angles allow the loudspeaker to be conveniently used as a floor monitor. The recessed grab handle on the top is designed for easy lifting and carrying, while the dual angle pole mount socket allows the loudspeaker to be mounted on straight poles or speaker stands either vertically, or raise higher and angled down to optimise audience coverage. A total of six M10 rigging points are provided on the top and bottom of the cabinet to enable vertical or horizontal suspension in permanent installations using M10 shoulder eyebolts.

Mains power is connected via a non-locking IEC receptacle with integrated fuseholder. The illuminated front badge can operate in one of three possible modes: permanently on; permanently off; or to indicate the action of limiting.

Milan
series

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600-Watt Powered 10” Loudspeaker with KLARK TEKNIK DSP Technology

DIMENSIONS (HxWxD)	522 x 329 x 294 mm (20.6 x 13 x 11.6”)	
NET WEIGHT	13.3kg (29.3lbs)	
COMPONENTS	1 x 10” (254mm) LF driver, 1 x 1” (25mm) HF compression driver	
FREQUENCY RESPONSE	55Hz – 18kHz ±3dB, 50Hz – 20kHz -10dB	
NOMINAL DISPERSION	90°H x 60°V @ -6dB points	
MAXIMUM SPL	126dB (peak)	
CONSTRUCTION	Injection-moulded polypropylene enclosure. Recessed carrying handle. Integral dual-angle pole mount socket	
GRILLE	Powder coated galvanised perforated steel mesh grille with foam backing	
CONNECTORS	Mic/Line input: combo jack/female XLR wired pin 2 hot; Mix out: male XLR wired pin 2 hot; IEC mains connector with integrated fuseholder	
CONTROLS	Level, Line/Mic, Low Cut, Speech/Music, Bass and Treble, Front LED, Mains on/off	
INDICATORS	Power LED (blue), SIG LED (green), LIMIT LED (red), CLIP LED (red)	
AMPLIFIER	Type:	Class-D
	Max Output Power:	LF: 500 W; HF: 100 W
	Input Sensitivity:	Mic: -32dBu; Line: -2dBu
	Input Impedance:	Mic: 560Ω unbalanced, 1kΩ balanced
		Line: 20kΩ unbalanced, 40kΩ balanced
	Equalisation:	Bass: ±6dB @ 80Hz; Treble: ±6dB @ 12kHz
	Amplifier Protection:	Full short circuit, open circuit, thermal
MAINS VOLTAGE	USA / CAN:	100–120V~ (T 6.3 A H 250 V)
	UK / AUS / EUR:	220–240V~ (T 3.15 A H 250 V)
	CH:	220–240V~ (T 3.15 A H 250 V)
	JP:	100–120V~ (T 6.3 A H 250 V)
POWER CONSUMPTION	80 W @1/8 max power	
RIGGING OPTIONS	(6) M10 threaded internal rigging points	
SPARES AND ACCESSORIES	LS-1032	10” (254mm) replacement LF loudspeaker
	RC-1032	Recone kit
	CD-125	1” (25mm) HF compression driver
	RD-125	HF diaphragm
	AMP-M10	Replacement amplifier assembly
	PB-55	Wall bracket, pole mount fixing
	EB-10	M10 shoulder eyebolt
MORE INFO	More information can be found on our website: www.turbosound.com	

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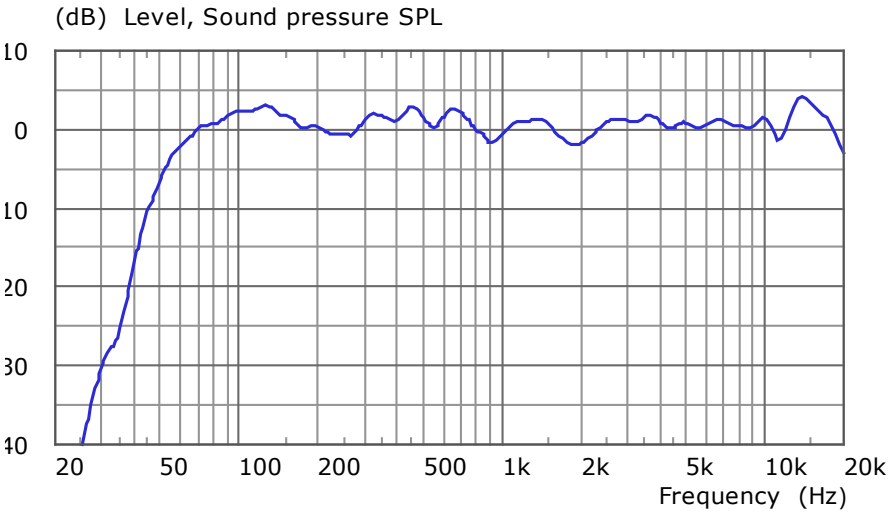
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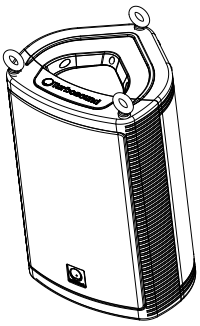
Frequency Response



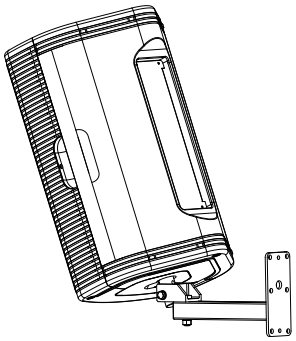
Flying & Rigging Hardware

The Milan M10 loudspeaker can be wall mounted using the PB-55 universal wall bracket with the built in pole mount socket.

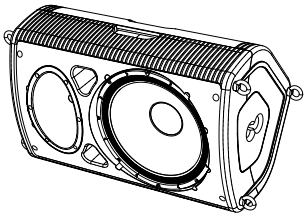
It can also be suspended in permanent installations using shoulder eyebolts attached to the M10 rigging points provided on the top and bottom of the cabinet. The loudspeaker can be oriented either vertically or horizontally to suit the available venue space.



EB-10 Eyebolts



PB-55 Wall Mount



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A&E Specifications

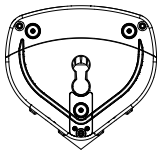
The system shall be of the two-way self-powered type consisting of one 10” (254mm) low frequency loudspeaker and one 1” (25mm) aluminium diaphragm high frequency compression driver together with an integrated Class-D amplifier providing two independent input channels with microphone and line inputs, bass and treble equalisation, low cut filter, speech/music contour and Mix Out function. 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 ±3dB from 55Hz to 18kHz, and within -10dB from 50Hz to 20kHz. Nominal dispersion, at -6dB points, shall average 90°H x 60°V. Maximum SPL measured with music program input shall be 126dB (peak).

Dimensions: 522mm high x 329mm wide x 294mm deep (20.6” x 13” x 11.6”). Net weight: 13.3kg (29.3lbs). The loudspeaker system shall be the Turbosound Milan M10. 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.

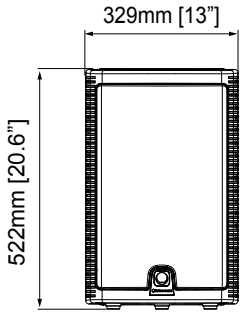
Dimensions



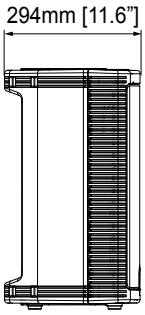
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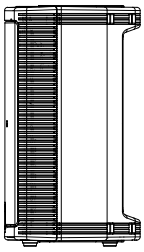
BOTTOM



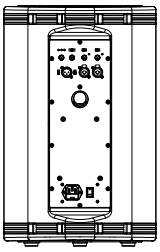
FRONT



SIDE



SIDE



REAR

Limited Warranty and Service Information

For the applicable warranty terms and conditions and additional information regarding MUSIC Group’s Limited Warranty, please see complete details online at www.music-group.com/warranty.

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