

## Portable Speakers

# MADRID TMS153

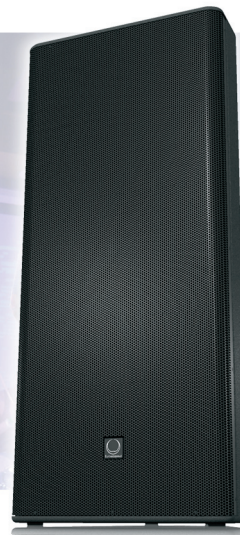
Dual 2 Way 15" Full Range  
Loudspeaker for Portable PA and  
Installation Applications

- 2 way full range loudspeaker for portable PA and installation applications
- 1,200 Watts continuous, 4,800 Watts peak power
- Ideal for FOH, side and drum fill applications
- Carbon fibre loaded 15" low frequency drivers with inside/outside wound coil
- Titanium dome 1.4" neodymium motor compression driver
- Switchable passive/bi-amp operation for flexibility of use
- Low distortion waveguide provides 75° H x 50° V dispersion
- 15 mm (5/8") birch plywood enclosure with hard wearing semi matt black paint finish
- Rugged powder coated perforated steel mesh grille
- Durable handles for easy lifting and carrying
- Multiple internal rigging points for installation applications
- Neutrik speakON\* NL4 connectors for reliable long life operation
- 3-Year Warranty Program\*\*
- Designed and engineered in England

The 2 way full range TMS153 is a switchable passive/bi-amp 15" 4,800 Watt loudspeaker system is ideally suited for a wide range of portable speech and music sound reinforcement applications. Designed to work in conjunction with **TURBOSOUND** loudspeaker management systems, the TMS153 provides optimal sonic performance for FOH, side and drum fill applications that demand very high output levels.

The TMS153 loudspeaker features dual carbon fibre loaded 15" low frequency drivers with inside/outside wound coil with low mass voice coil for improved transient response, and a titanium dome 1.4" neodymium motor compression driver mounted on a 75° horizontal by 50° vertical low distortion waveguide. All drivers are matched with an internal passive crossover network in a reflex-loaded enclosure, and bi-amp mode can be enabled by means of a rear panel switch.

Finished in a highly durable semi matt black paint, the cabinet is constructed from 15 mm (5/8") birch plywood, and includes a rugged powder coated perforated steel mesh grille backed with reticulated foam. The TMS153 utilises durable handles for portability, and is equally suited for permanent install applications. A rear panel connector plate carries two Neutrik speakON\* NL4 connectors for input and link connections to additional enclosures.



\*All third-party trademarks are the property of their respective owners. Their use neither constitutes a claim of the trademark nor affiliation of the trademark owners with MUSIC Group. Product names are mentioned solely as a reference for compatibility, effects and/or components.

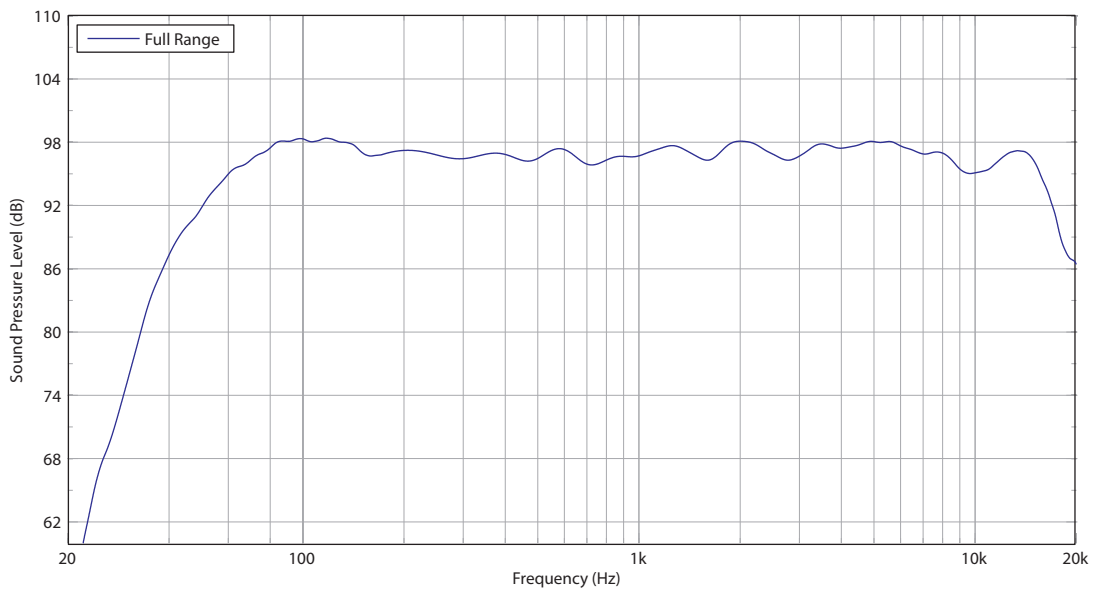
\*\*Warranty details can be found at [music-group.com](http://music-group.com).

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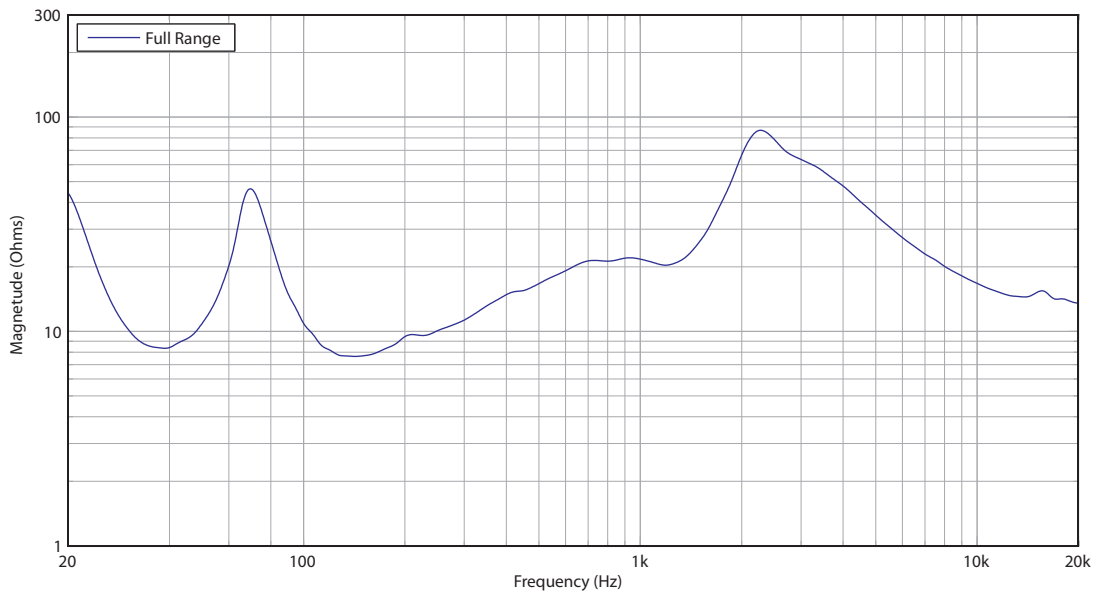
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## Frequency Response Sensitivity 1 W / 1 m



## Impedance

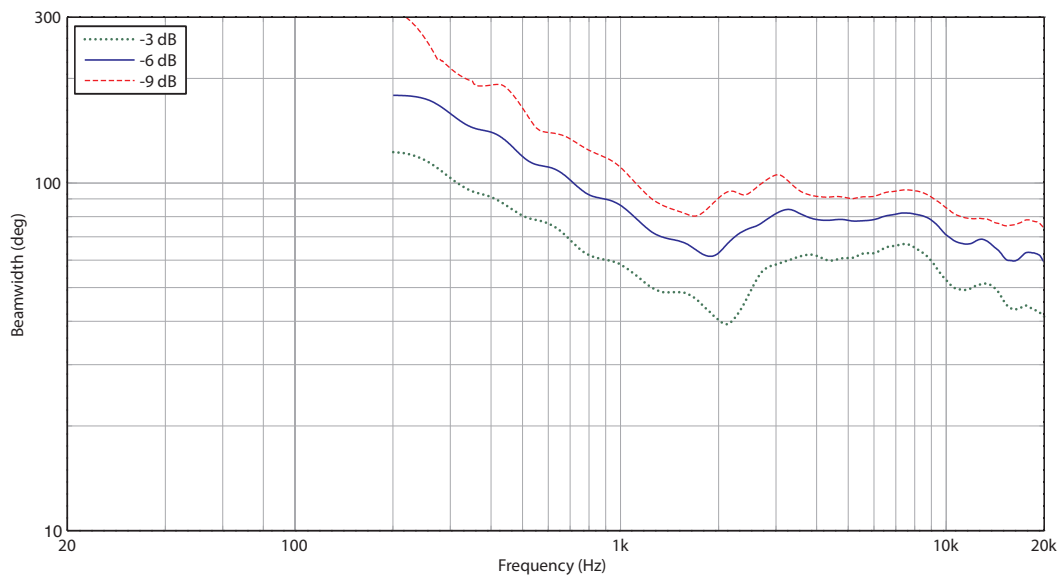


Portable Speakers

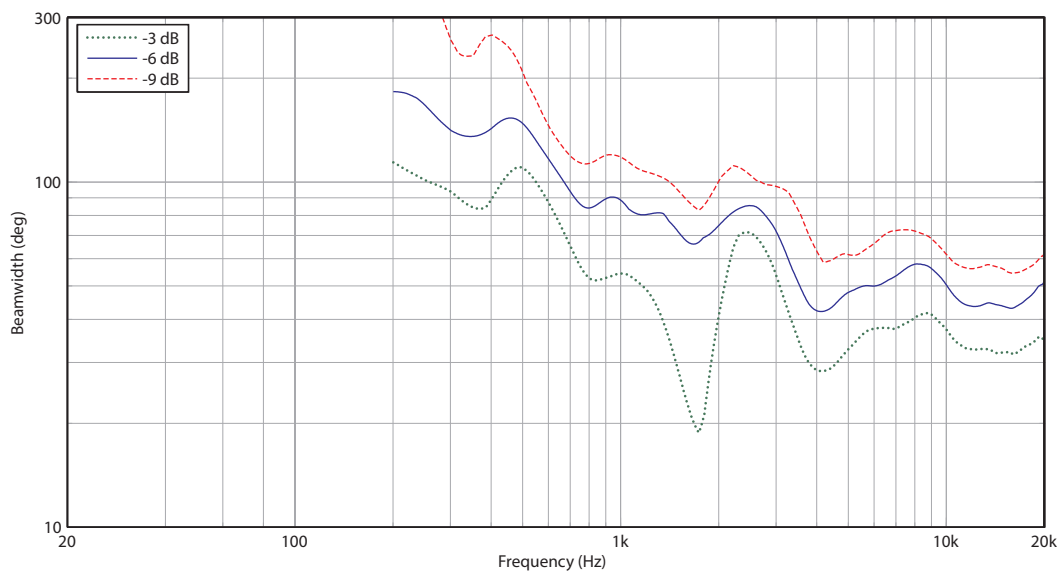
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## Horizontal Beamwidth



## Vertical Beamwidth

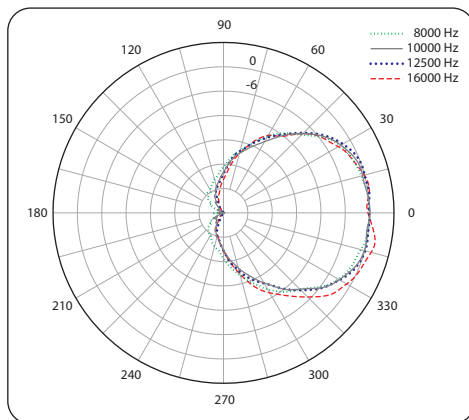
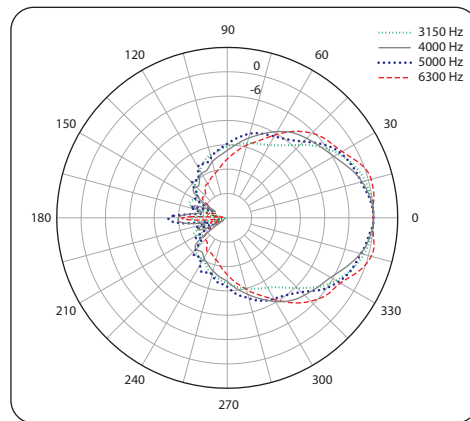
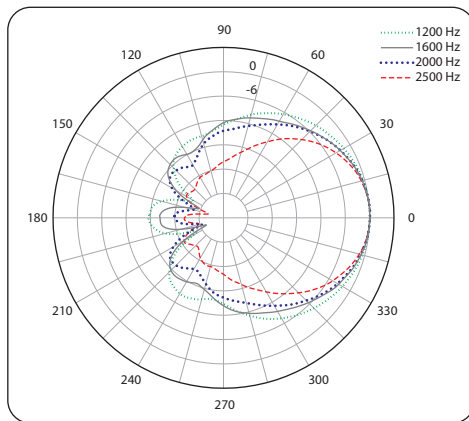
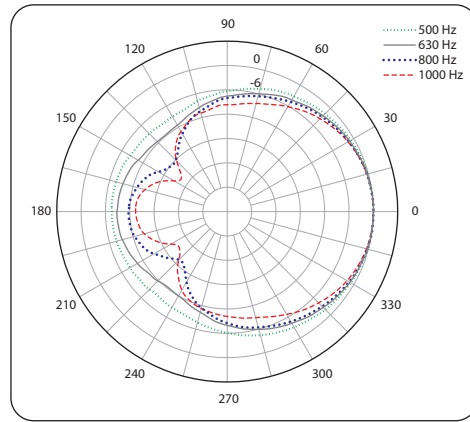
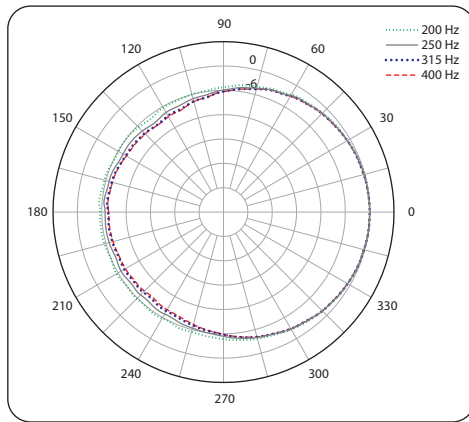


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## Horizontal Polar Plots

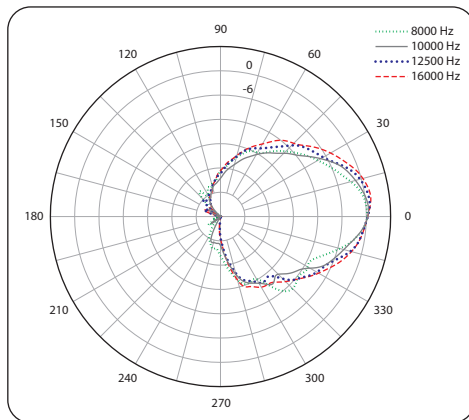
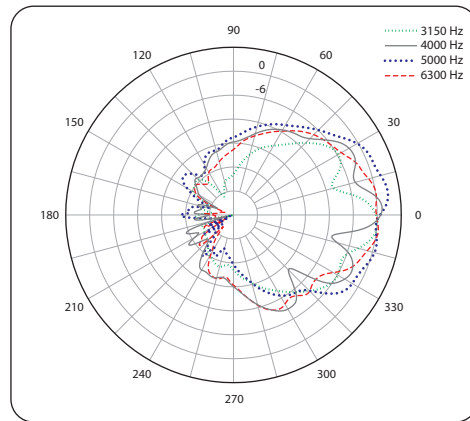
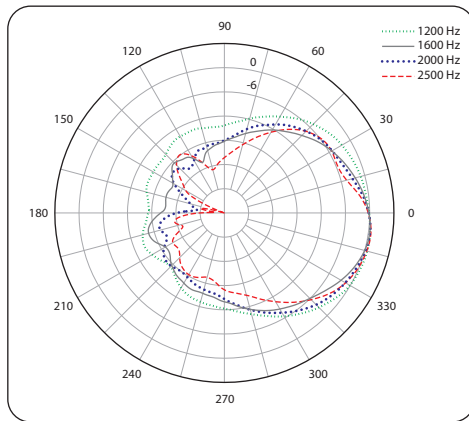
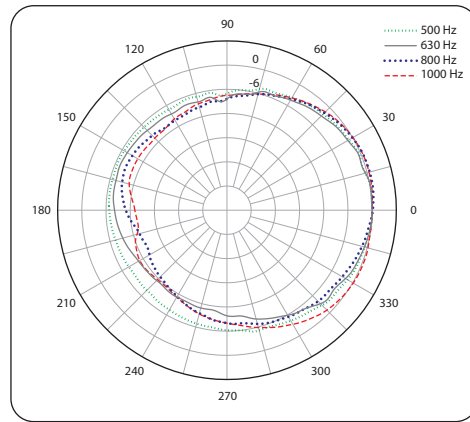
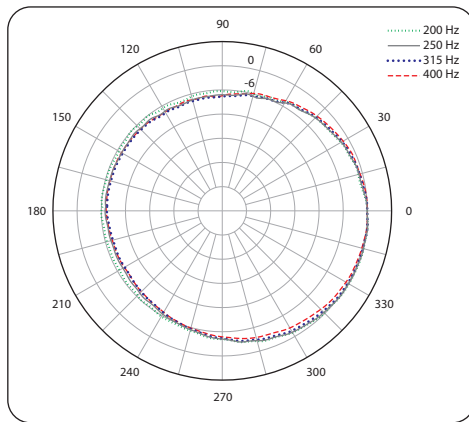


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## Vertical Polar Plots

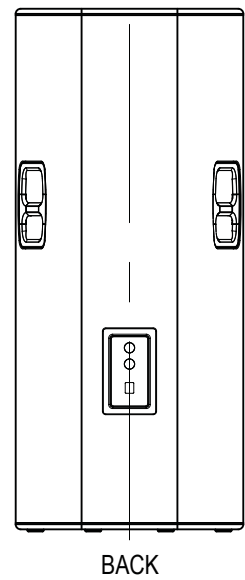
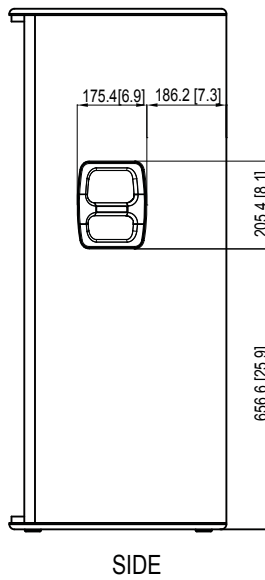
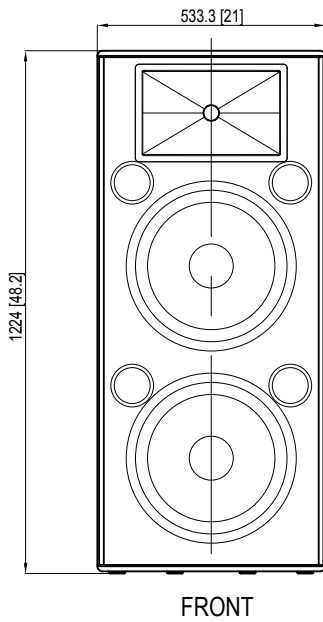
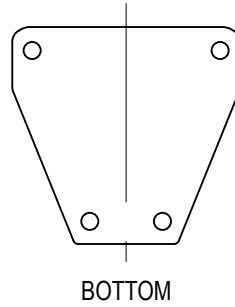
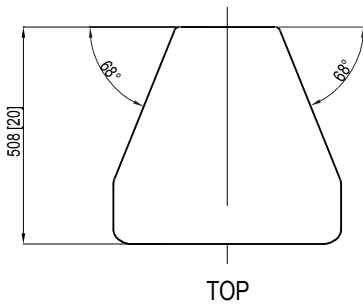


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## Dimensions



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### Technical Specifications

#### System

Frequency Response	50 Hz – 20 kHz $\pm$ 3 dB 37 Hz – 20 kHz -10 dB
Nominal Dispersion	75° H x 50° V @ -6 dB points
Directivity Factor (Q)	12.8
Directivity Index (DI)	11.1
Power Handling (IEC)	
Passive	1,200 W continuous, 4,800 W peak
Bi-amp	LF: 1,200 W continuous, 4,800 W peak HF: 75 W continuous, 300 W peak
Sensitivity	99 dB (1 W @ 1 m)
Maximum SPL	
Passive	130 dB continuous, 136 dB peak
Bi-Amp	LF: 130 dB continuous, 136 dB peak HF: 128 dB continuous, 134 dB peak
Impedance	
Passive	4 $\Omega$
Bi-Amp	LF: 4 $\Omega$ HF: 6 $\Omega$
Crossover Type	Passive / bi-amp, switchable
Components	2 x 15" (394 mm) LF driver 1 x 1.4" (36 mm) HF compression driver

#### Enclosure

Connectors	2 x Neutrik speakON* NL4
Wiring	
Passive	Pins 1+ / 1- input, pins 2+ / 2- link
Bi-Amp	Pins 1+ / 1- LF, pins 2+ / 2- HF
Dimensions HWD	1219 x 533 x 508 mm (48.0 x 21.0 x 20.0")
Net Weight	46.9 kg (103.5 lbs)
Construction	15 mm (5/8") birch plywood
Finish	Semi matt black paint
Grille	Powder-coated perforated steel

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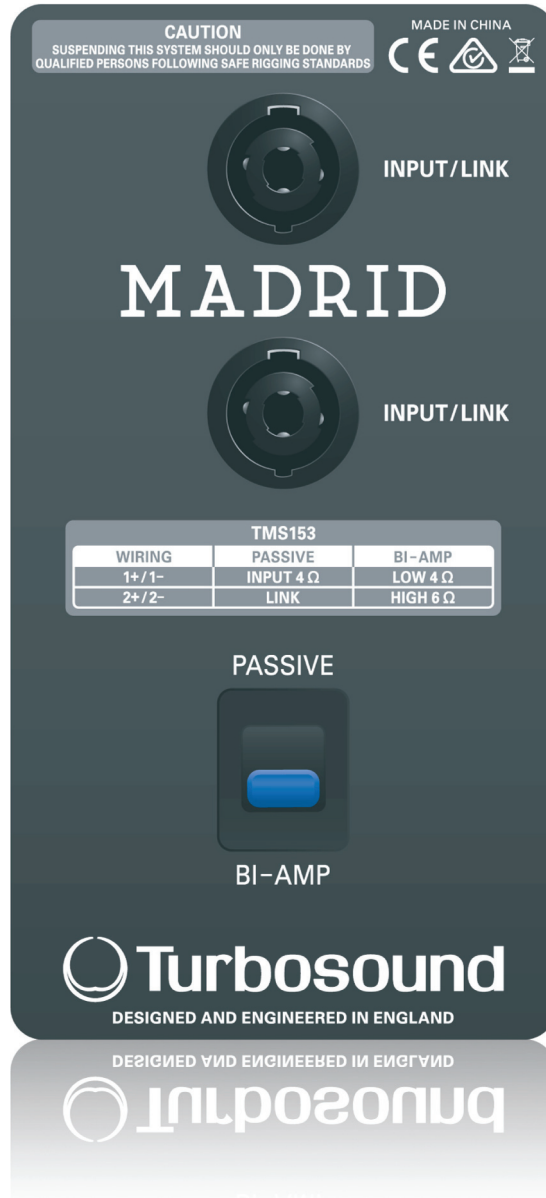
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For service, support or more information contact the TURBOSOUND location nearest you:

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