

## Portable Speakers

# iX12

1000 Watt 2 Way 12" Powered Loudspeaker with KLARK TEKNIK DSP Technology, Remote Control via iPhone/iPad and Bluetooth Audio Streaming

- 2 way full range, powered loudspeaker for portable PA applications
- 1000 Watt power featuring KLARK TEKNIK Class-D technology
- KLARK TEKNIK Digital Signal Processing for total system control
- Comprehensive remote control via Apple\* iPhone\*/iPad\*
- High quality Bluetooth\* stereo audio streaming
- Remote control 3 channel digital mixer with gain setting recall
- DSP presets for application type and speaker positioning
- 12" low frequency driver with low mass voice coil for improved transient response
- Titanium dome 1" compression driver for extended high frequency reproduction
- Intuitive single rotary control user interface with LCD display for ease of navigation
- Durable lightweight molded enclosure
- Rugged powder coated perforated steel mesh grille
- Dual angle pole mount for accurate audience coverage
- 3-Year Warranty Program\*
- Designed and engineered in England

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The 1000-Watt iX12 is a powered two-way 12" loudspeaker with Bluetooth\* audio streaming ideally suited for a wide range of portable and fixed music and speech sound reinforcement applications. A state-of-the-art KLARK TEKNIK DSP controls the built-in 3-channel digital mixer via a single-knob user interface, as well as providing comprehensive wireless remote control via dedicated app for iPhone/iPad. The iX12's powerful 12" low frequency driver and 1" titanium dome compression driver ensure highest-quality low end, extended high frequency reproduction and articulate midrange reproduction.

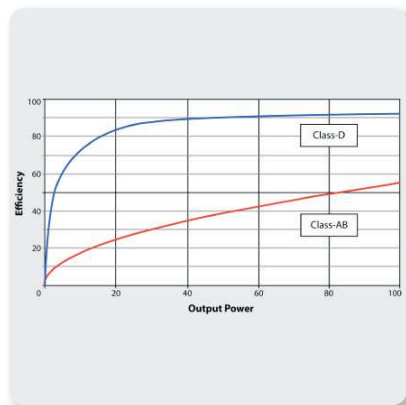


The iX12 is fitted with a dual angle pole mount socket, allowing it to be pole mounted straight on, or raised higher and angled downwards to optimise audience coverage. The lightweight fibre glass reinforced composite enclosure is fitted with a rugged powder coated perforated steel mesh grille.

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### Class-D – 1000 Watts of Perfect Sound

Thanks to our revolutionary Class-D amplifier technology, we are able to provide enormous power and incredible sonic performance in an easy-to-use, ultra-portable and lightweight package. Class-D amplification makes all the difference, offering the ultimate in energy efficiency and eliminating the need for heavy power supplies and massive heat sinks. This amazing technology makes it possible to design and build extremely powerful products that are significantly lighter in weight than their traditional counterparts, while using less energy and protecting the environment. The lightweight Switch Mode Power Supply, coupled with the industry-leading **KLARK TEKNIK** Digital Signal Processing (DSP) module, provides dynamic equalisation and sophisticated limiting functions, ensuring optimal performance and long-term reliability. An efficient and lightweight **KLARK TEKNIK** Class-D power amplifier provides the iX12's bi-amplified 1000-Watt output.

### KLARK TEKNIK DSP – the Secret to Superb Sound

**KLARK TEKNIK** is recognised worldwide as one of the most prestigious British audio companies, with a 40-year pedigree and a TEC Lifetime Achievement Award to back it up. The Company has designed and manufactured products for world-class artists, and their legendary DN780 reverb processor is considered by leading audio engineers around the world as the industry standard. Check out their website to learn more about **KLARK TEKNIK**'s legendary heritage.

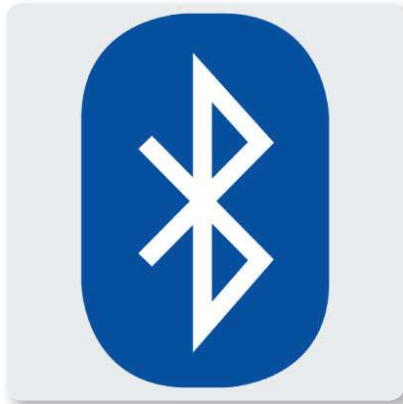
**TURBOSOUND** is proud to incorporate custom-engineered **KLARK TEKNIK** DSP into their products. From the instant your signal enters the iX12, the built-in DSP (Digital Signal Processor) takes over, ensuring the highest possible signal integrity. Much more than just selective EQ enhancement, the iX12's 24-bit DSP analyses the incoming signal and intelligently applies specific filters to actually improve the sound quality. It is very much like having an audio engineer monitoring the input and output signals of each iX12, dialing in the perfect EQ and constantly making subtle adjustments to the crossover, compressor/limiter and more – which all adds up to significantly better sound.



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### Bluetooth Ready

The days of tape decks, CD and even mp3 players are long gone. Now your music lives on your smartphone or computer tablet, so you can stop searching for those outdated cables and fancy adapters. An industry first, the iX12 puts all your music at your fingertips via stereo Bluetooth. Now with a simple wave of your hand, you can stream music from any Bluetooth-equipped iOS device, such as your iPad, iPhone – or even your laptop computer.

### Comprehensive Remote Control

We take Bluetooth a step further, giving you total control of the iX12 directly from you iPhone or iPad. This amazing feature lets you adjust all settings from either the listening area or the stage, for the perfect sound every time. The iX12 Bluetooth app even allows the user to define one iX12 as the master, and the other as the slave – so the music stream is presented in true stereo. The dedicated apps are available free of charge at [turbosound.com](http://turbosound.com), or from the Apple App Store.



### Custom-Engineered Drivers

Powerful, high-efficiency Class-D amplifiers and Switch Mode Power Supply technology coupled with state-of-the-art DSP functionality sounds very impressive – but what about the part of the system you actually hear? We are known internationally for making some of the best-sounding speaker systems in the world, so we take our drivers (woofers and tweeters) very seriously. Our LF and HF drivers are designed specifically for each application – it is what sets us apart from the competition. When you buy an iX12 loudspeaker, you can rest assured the genuine **TURBOSOUND** 12" LF driver with low mass voice coil, and 1" exit titanium dome compression driver have been engineered to perform flawlessly in conjunction with every other element for truly professional results.

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### Intuitive User Interface

On the rear panel amplifier module, you will find a fully featured user interface consisting of an LCD display and single rotary encoder for intuitive access to level, EQ, and frequency response presets for pole or stand-mounted front of house, or floor monitor scenarios. In addition to the two combination balanced XLR/jack inputs, an XLR Output is provided for daisy-chaining more active loudspeakers, or for use with an active subwoofer.



### Stunning Performance – Superb Value

The iX12 active PA loudspeaker stands head and shoulders above the rest of the pack and delivers exceptional performance, even when pushed to the limit. Ultra-lightweight and powerful with custom-designed transducers, an integrated mixer, stereo Bluetooth streaming, iPhone/iPad remote control, 1000 Watts of KLARK TEKNIK's Class-D output power and Digital Sound Processing, the iX12 is ideal for both portable and installed applications – at a price unheard of in this class.

Experience the iX12 at your local dealer today, or get yours online today – and let TURBOSOUND take your performance to the next level!

### You Are Covered

We always strive to provide the best possible Customer Experience. Our products are made in our own MUSIC Group factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous 3-Year Warranty program.

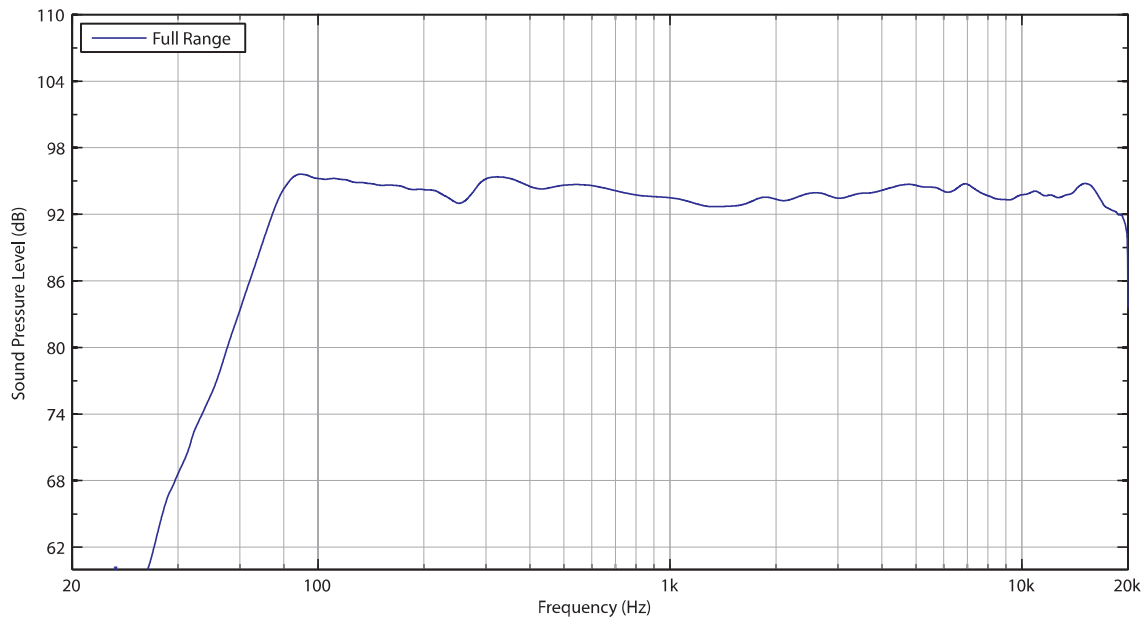


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### Frequency Response Sensitivity 1 W / 1 m

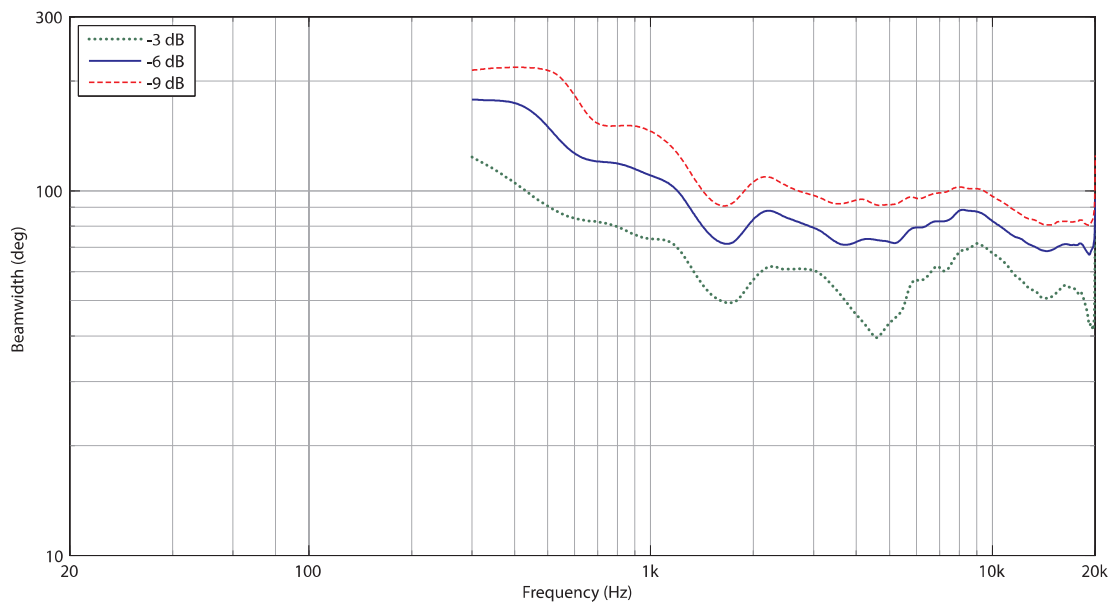


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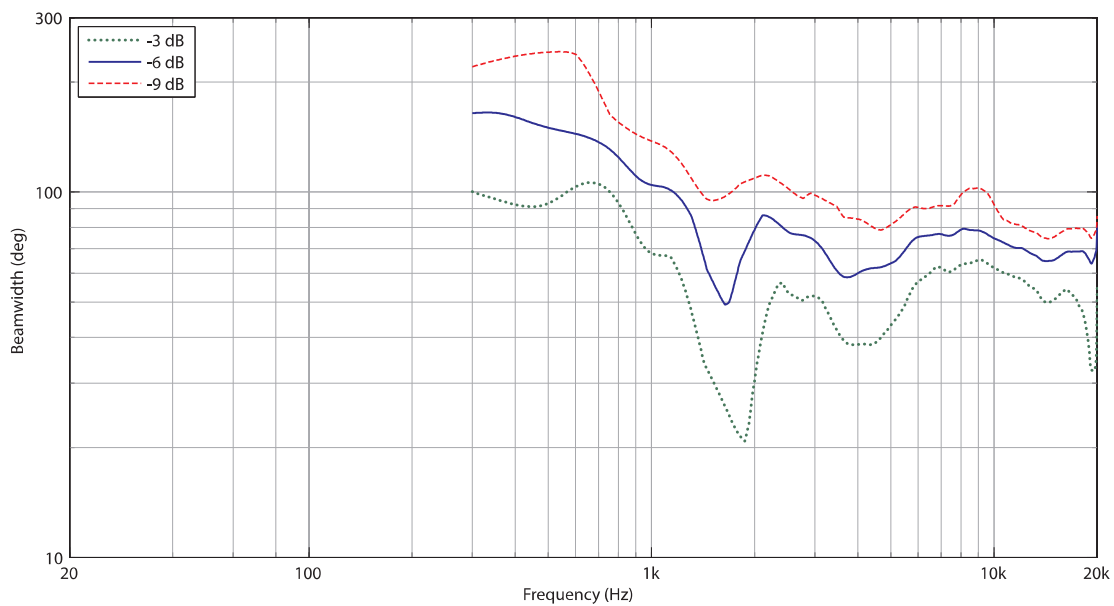
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### Horizontal Beamwidth



### Vertical Beamwidth



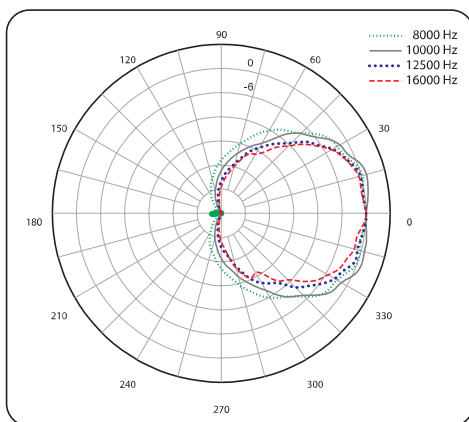
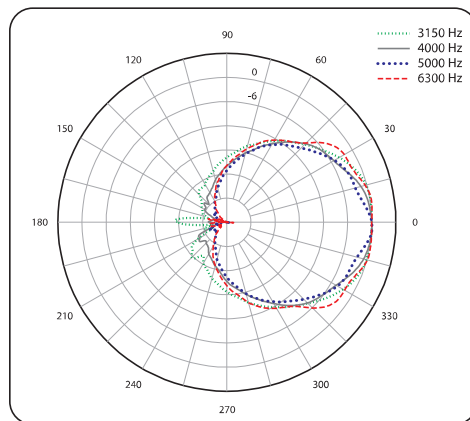
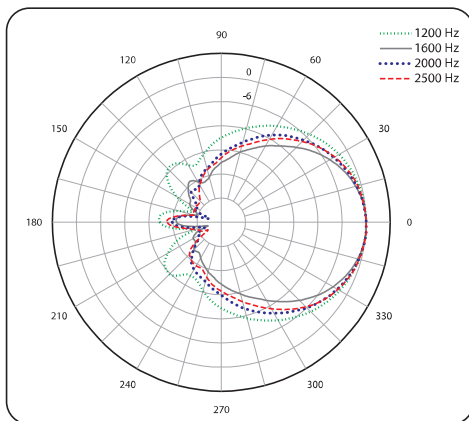
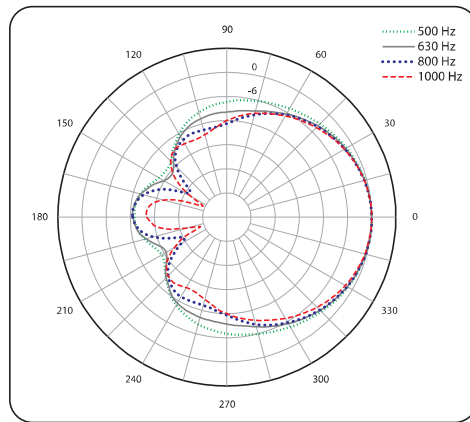
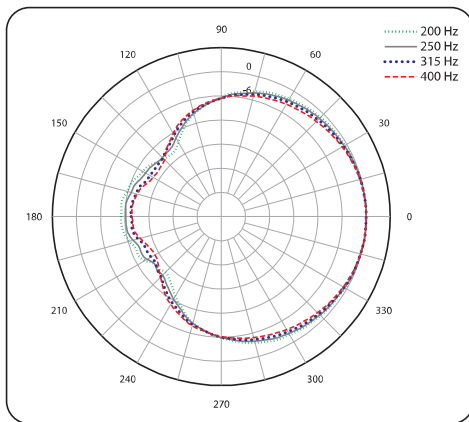


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## Horizontal Polar Plots

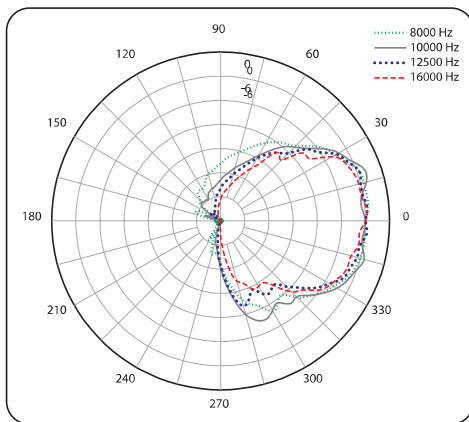
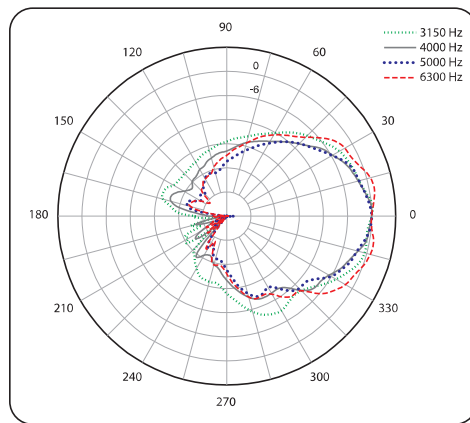
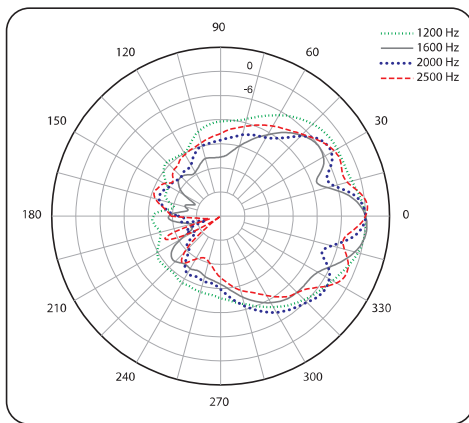
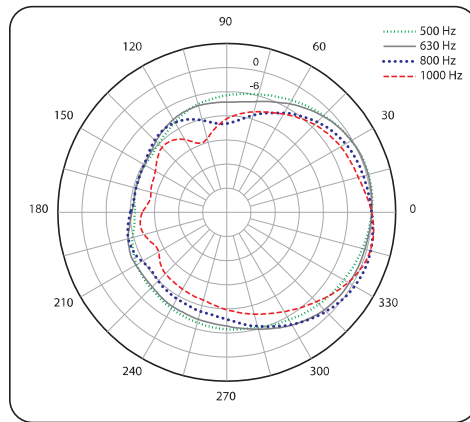
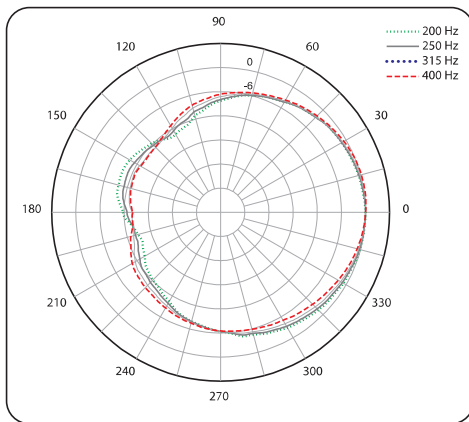


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## Vertical Polar Plots



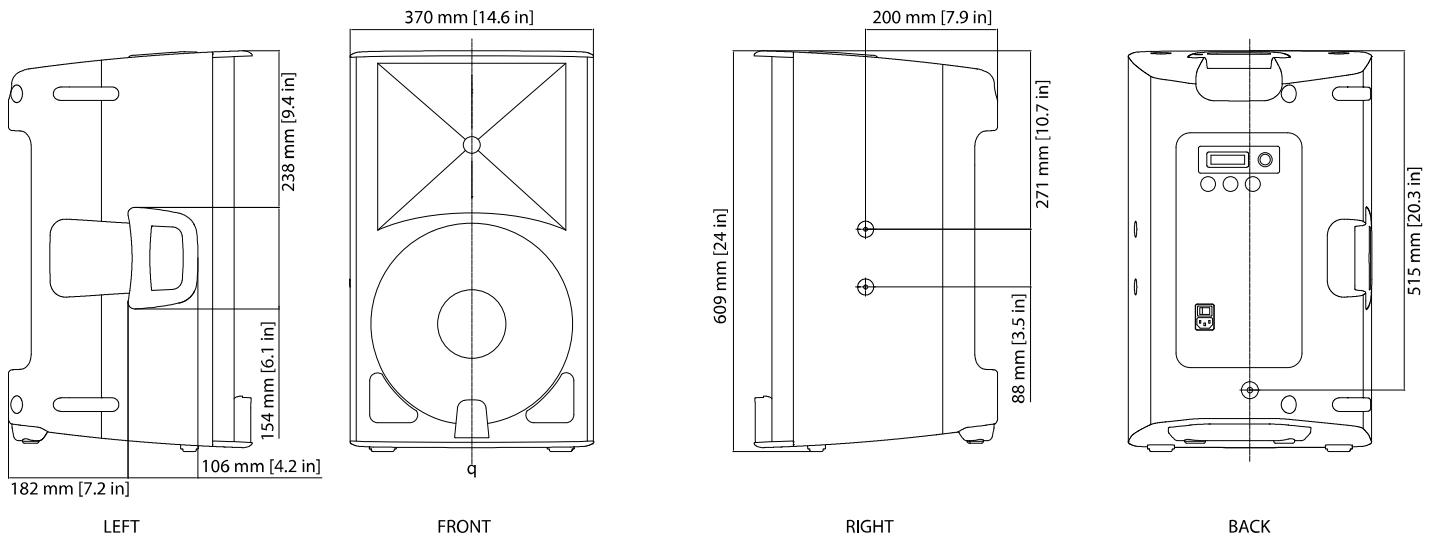
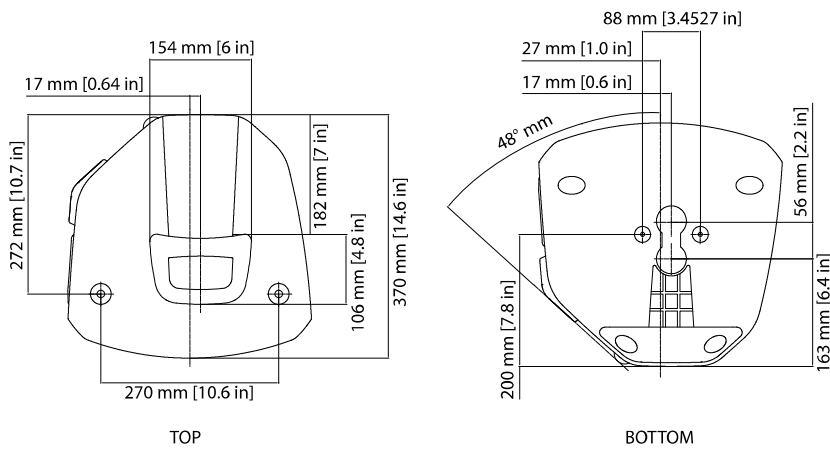


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## Dimensions



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## Technical Specifications

### System

Frequency response	50 Hz – 20 kHz $\pm$ 3 dB 42 Hz – 20 kHz -10 dB
Nominal dispersion	80° H x 60° V @ -6 dB points
Maximum SPL	125 dB
Crossover type	Active
Transducers	1 x 12" (308.5 mm) LF driver 1 x 1" (25.4 mm) HF compression driver
Limiter	Independent HF, LF

### Amplifier

Maximum output power*	1000 W
Type	LF: Class-D    HF: Class AB
Protection	Short circuit, open circuit, thermal

### Connectors

Input A / B	2 x combo jack / XLR
Sensitivity for max out with volume control at 0dB	+4 dBu
Input impedance	16 k $\Omega$ unbalanced, 33 k $\Omega$ balanced
Maximum input level	+22 dBu
Output	XLR, servo-balanced
Output impedance	220 $\Omega$ unbalanced, 600 $\Omega$ balanced
Mains Supply	IEC mains connector with integrated power switch†

### Controls

Hardware	Rotary push-encoder
Software	iOS interface via bluetooth

### User DSP Functions

Factory EQ presets	Positioning, Sound mode, Phase
Display	LCD 128 x 32, blue, backlit
Equalisation	Bass and treble controls
Crossover	High pass L-R 24 dB/oct
Protection	Lock-out function for all settings

### Bluetooth Wireless Technology

Frequency range	2402 MHz ~ 2480 MHz
Channel number	79
Version	Bluetooth 4.0 dual mode
Output	8 dBm
Compatibility	Supports A2DP 1.2 profile, BLE
Maximum communication range	35 m (without interference)
Connectivity	Master-slave: stereo pairing link

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### Power Supply

<b>Power consumption</b>	80 W @ 1/8 max power
<b>Voltage</b>	
USA / Canada	120 V~, 60 Hz
UK / Australia / Europe	220-240 V~, 50/60 Hz
Korea / China	220-240 V~, 50/60 Hz
Japan	100 V~, 50/60 Hz

### Enclosure

<b>Dimensions (H x W x D)</b>	609 x 370 x 370 mm (24.0 x 14.5 x 14.5")
<b>Net weight</b>	19.4kg (42.8 lbs)
<b>Construction</b>	Injection-moulded polypropylene enclosure
<b>Finish</b>	Black paint
<b>Grille</b>	Powder coated perforated steel
<b>Flying hardware</b>	–

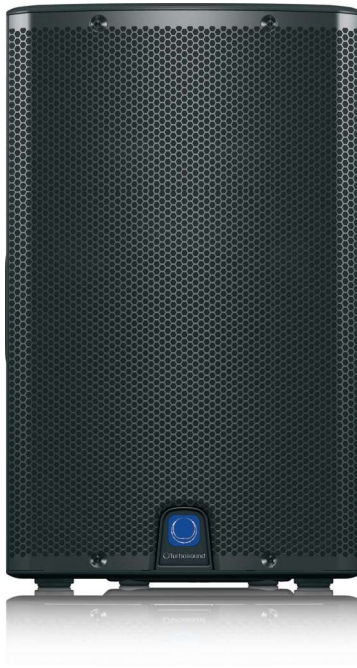
\*independent of limiters and driver protection circuits

†Only qualified personnel are allowed to modify the AC-Main cord and to adhere to all applicable national standards.

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

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