

## Portable

# iNSPIRE iP12 BUNDLE

1000 Watt Powered PA Bundle including iP12B Subwoofer with 2 x iP82 Loudspeakers, Digital Mixer, Speaker Stands and Cables, KLARK TEKNIK Spatial Sound Technology, Remote Control via iPhone/iPad and Bluetooth Audio Streaming

- Powered 12" subwoofer for portable PA applications and high quality music playback
- 2 x iP82, 2 way full range loudspeakers with 8" low frequency driver and 1" compression driver
- 1,000 Watt power, multi-channel KLARK TEKNIK Class-D technology
- 3 channel digital mixer with gain setting recall
- Lightweight distance pole and speaker stand provide stability for your PA system
- 2 x heavy gauge 8 m (26') cables with speakON\* connectors
- KLARK TEKNIK's revolutionary SST (Spatial Sound Technology) for creating 3D acoustic environments
- Comprehensive remote control via Apple iPhone/iPad\*
- High quality Bluetooth\* stereo audio streaming
- DSP presets for application type and speaker positioning
- Road worthy plywood enclosures with hard wearing semi matt black paint finish
- Integral ergonomic carrying handles for ease of portability
- 3-Year Warranty Program\*
- Designed and engineered in the U.K.

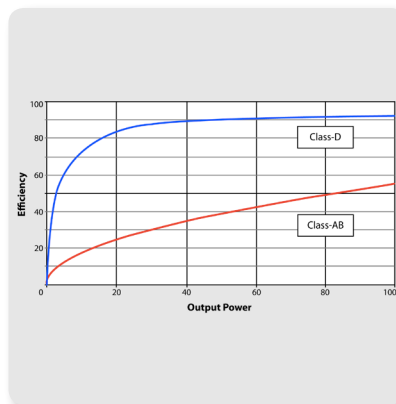


The 1,000-Watt iNSPIRE iP12 BUNDLE powered PA system produces high levels of low-end punch, with the definition and clarity typically reserved for much larger systems, and is ideally-suited for small to medium-sized performance venues, houses of worship, boardroom presentations, nightclubs, and much more. The iP12B powered subwoofer features a dedicated multi-channel 1,000 Watt Class-D amplifier that provides 600 Watts to the enclosed 12" long-excursion Low-Frequency (LF) driver, and 2 x 200 Watts for the included pair of iP82 satellite speakers. The complete system also comes with speaker stands and cables, so it is ready to use right out of the box.



## Complete Compact PA System

Lightweight and easy to transport, the iP12B features a 3-channel digital mixer with industry-leading KLARK TEKNIK Digital Sound Processing (DSP), Class-D amplifier and Spatial Sound technologies – plus convenient Bluetooth stereo audio streaming and iPhone/iPad remote control. Put simply, this cool-running system delivers amazingly-deep, chest-pounding bass, and the detailed mids and highs that will keep the party going all night.



\*iPhone and iPad are trademarks of Apple Inc. 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

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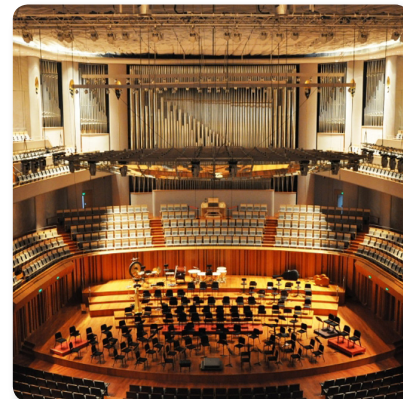
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## KLARK TEKNIK – Inspired Technology

KLARK TEKNIK is recognised worldwide as one of the most prestigious British audio companies, with a 40-year pedigree and even 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 Class-D amplifier and DSP technologies into their products.



## DSP – the Secret to Superb Sound

From the instant your signal enters the iP12B, the built-in DSP takes over ensuring the highest possible signal integrity. Much more than just selective EQ enhancement, the 24-bit processor analyses the incoming signal and intelligently applies specific filters to actually improve the sound quality. It's like having an audio engineer monitoring the input and output signals, dialing in the perfect EQ and constantly making subtle adjustments to the crossover, compressor/limiter, three discrete amplifier channels and more – all of which adds up to significantly better sound.

## Custom-Engineered Drivers

Our speakers are designed specifically for each application – it's what sets us apart from the competition. When you buy a TURBOSOUND speaker system, you can rest assured that the speakers inside have been engineered to perform flawlessly in conjunction with every other element for truly professional results. The iP12B features a powerful 12" high excursion LF driver for low distortion sub-bass response, whilst the iP82 boasts an 8" driver with a low mass voice coil for improved transient response, and a high temperature dome 1" HF compression driver mounted on a low distortion 70° horizontal by 70° vertical dispersion waveguide.



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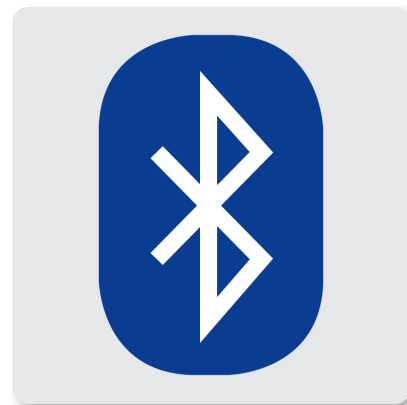
## Built-in Digital Mixer – Comprehensive Remote Control

The iP12 BUNDLE features a fully addressable onboard digital mixer with two combo jack/XLR connectors that accept balanced and unbalanced connections for dynamic mics and line-level instruments. The simple and intuitive user interface consists of a single rotary push-encoder with Process, Setup, Exit and Enter function buttons. A beautifully-backlit LCD display controls DSP functions including mixer parameters, 3 band EQ, and presets. All settings can be controlled locally, or via free downloadable iPhone/iPad apps – and locked down to prevent unauthorised access.

We take Bluetooth a step further, giving you total control of the iP12 BUNDLE directly from your 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 dedicated apps are available free of charge at [turbosound.com](http://turbosound.com), or from the Apple App Store.

## 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 iP12 BUNDLE 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, iPod touch, iPhone – or even your laptop computer.



## Stunning Performance – Superb Value

The iNSPIRE iP12 BUNDLE powered PA system 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 drivers, an integrated 3-channel mixer, stereo Bluetooth streaming, iPhone/iPad remote control, 1,000 Watts of KLARK TEKNIK's Class-D output power and Digital Sound Processing, the iP12 BUNDLE is ideal for both portable and installed applications – at a price unheard of in this class.

Experience the iP12 BUNDLE at your local dealer today, or get yours online today – and let TURBOSOUND take your performance to the next level!

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## You Are Covered

We always strive to provide the best possible Customer Experience. Our products are made in our own [MUSIC Tribe](#) 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 [Warranty program](#).

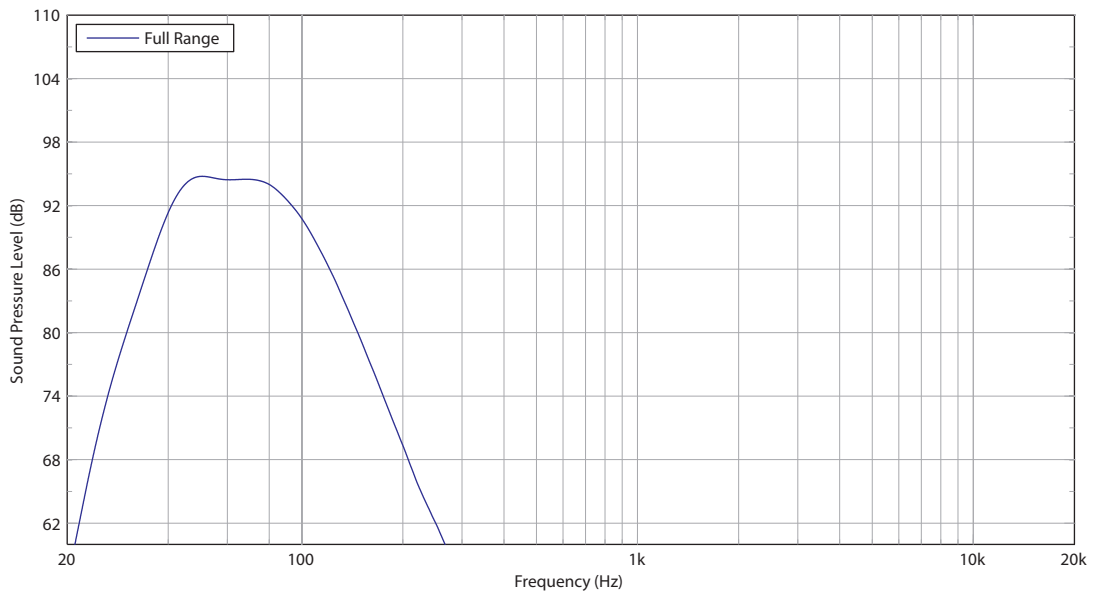


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## Frequency Response Sensitivity 1 W / 1 m (iP12B)

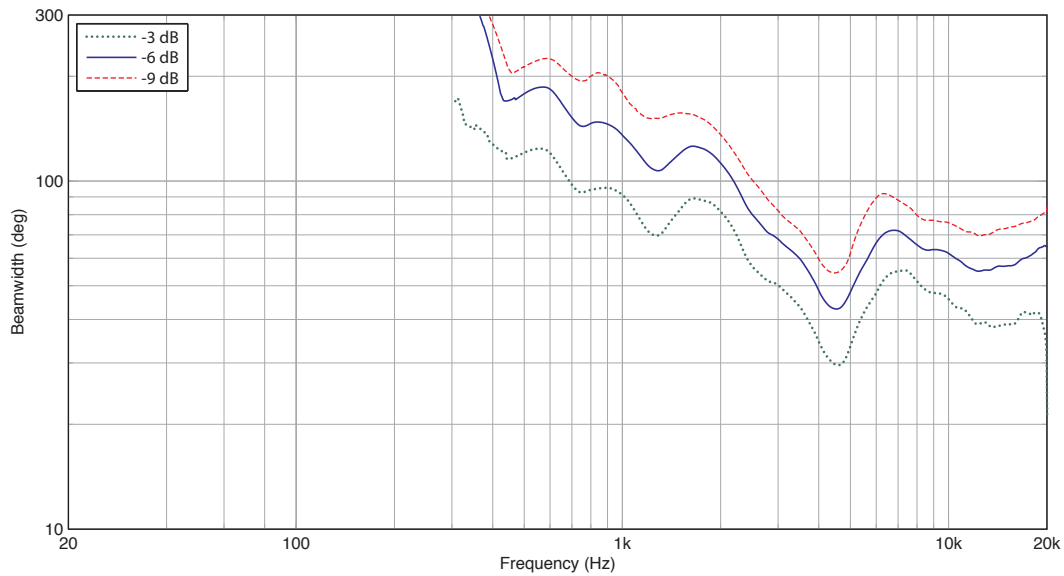


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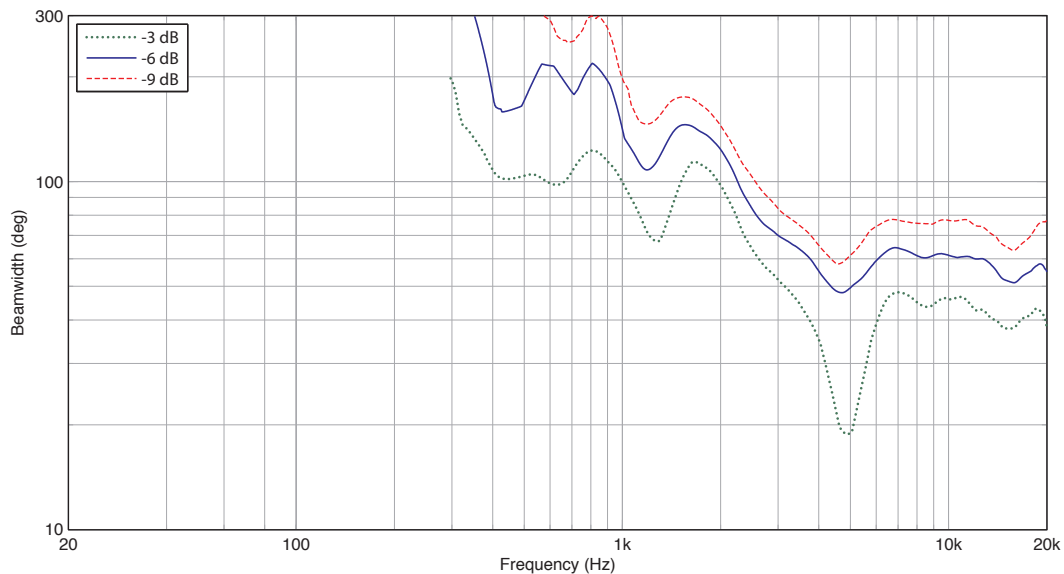
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## Horizontal Beamwidth (iP82)



## Vertical Beamwidth (iP82)

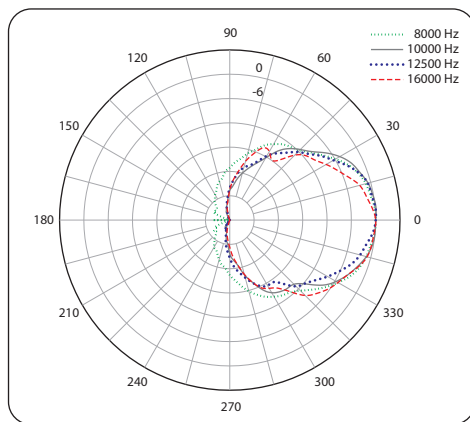
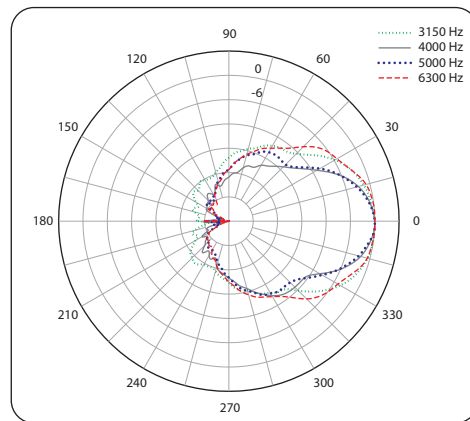
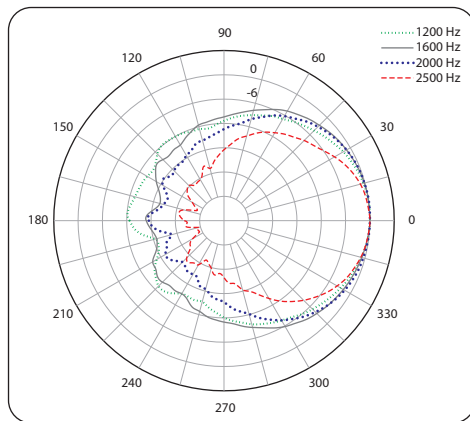
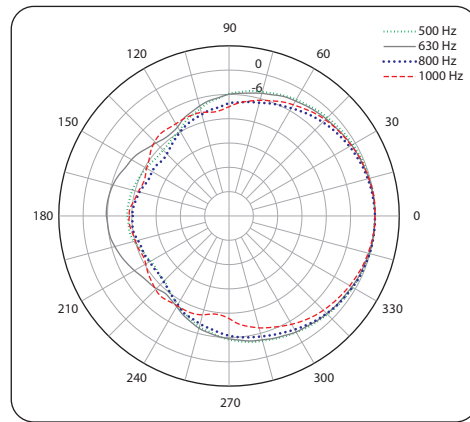
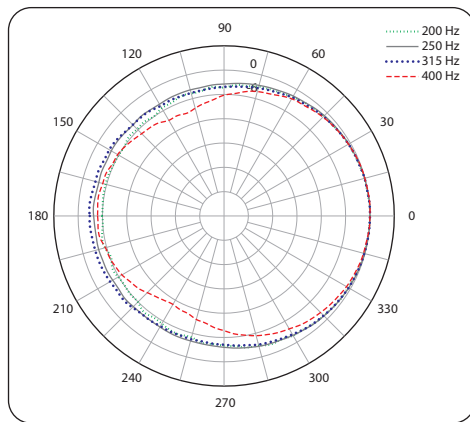


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## Horizontal Polar Plots (iP82)

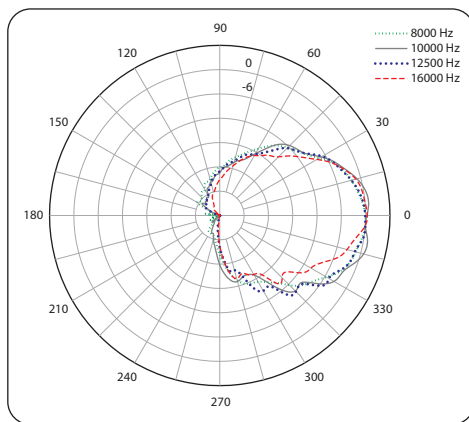
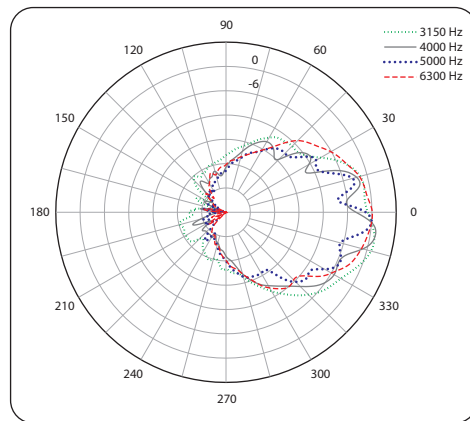
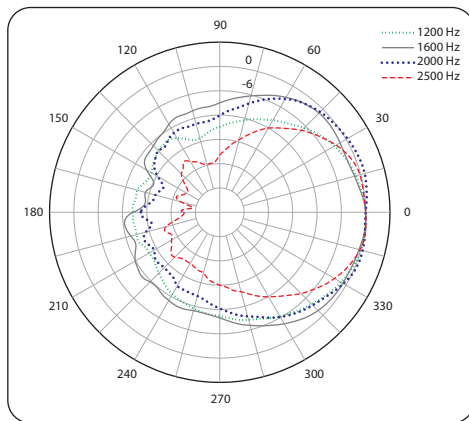
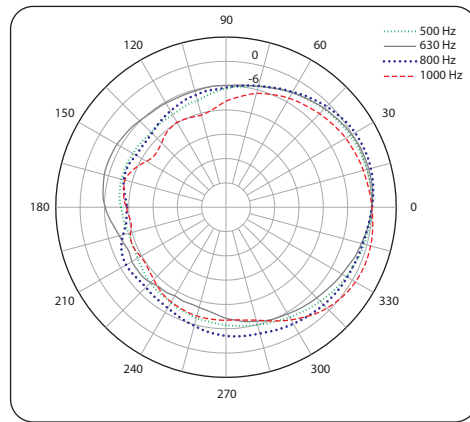
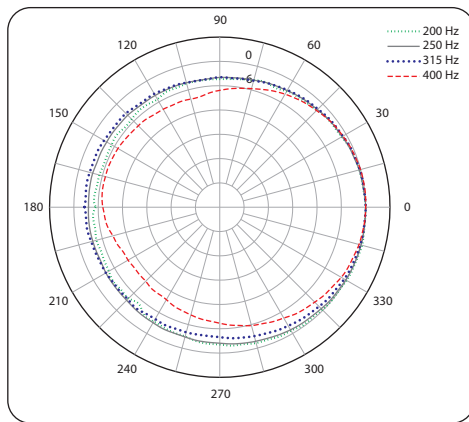


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## Vertical Polar Plots (iP82)



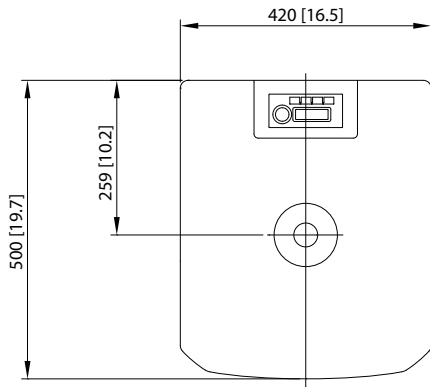


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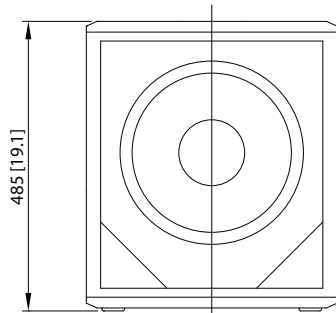
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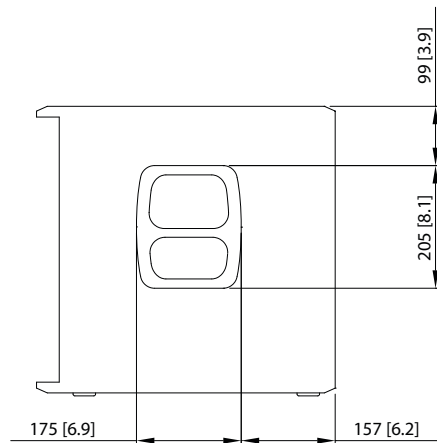
## Dimensions (iP12B)



TOP



CL  
FRONT



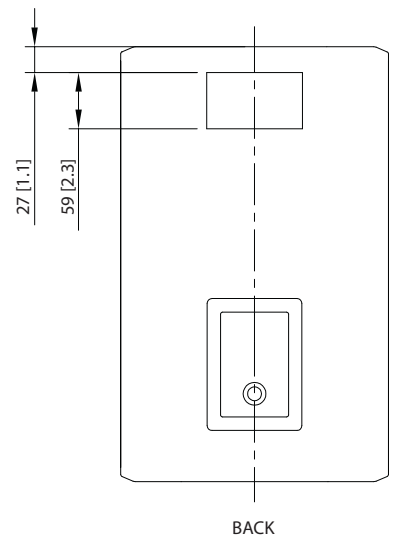
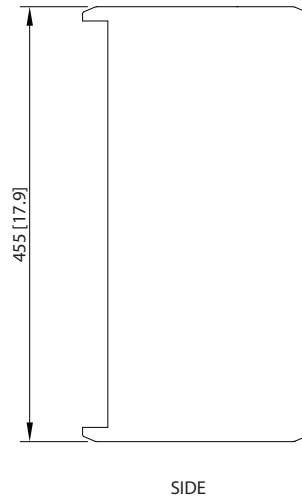
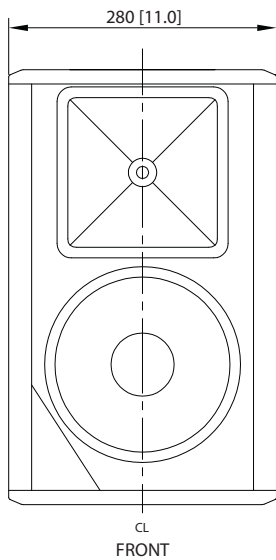
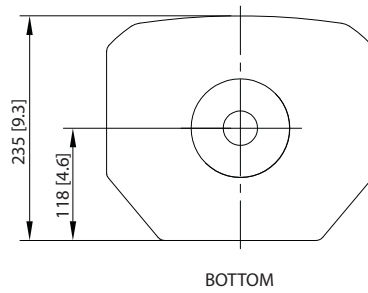
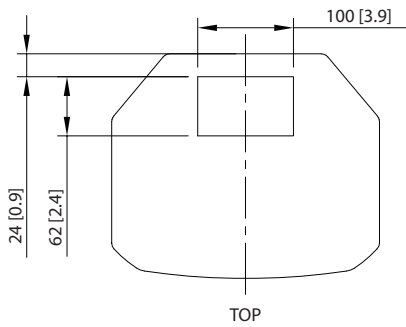
SIDE

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## Dimensions (iP82)



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### Technical Specifications (iP12B)

#### System

Frequency Response	45 Hz – 150 Hz $\pm$ 3 dB 38 Hz – 200 Hz -10 dB
Nominal Dispersion	Half space
Maximum SPL	120 dB
Crossover type	Active
Transducers	1 x 12" (305 mm) LF driver
Limiter	Peak and RMS

#### Amplifier

Maximum output power*	
Subwoofer	500 W
Satellites	2 x 125 W @ 8 $\Omega$ 2 x 250 W @ 4 $\Omega$ (min. load)
Type	Class-D
Protection	Short circuit, open circuit, thermal

#### Connectors

Output L / R	2 x Neutrik speakON* NL4, pins 1+ / 1-
Input A / B	2 x combo jack / XLR
Sensitivity	4 dBu, nominal
Input impedance	16 k $\Omega$ unbalanced, 33 k $\Omega$ balanced
Maximum input level	+22 dBu
Link output	XLR
Mains supply	IEC mains connector with integrated power switch

#### Controls

Hardware	Rotary push-encoder
Software	iOS/Android interface via Bluetooth

#### User DSP Functions

Factory EQ presets	Positioning, sound mode, phase
Display	LCD 128 x 32, blue, backlit
Equalisation	Bass, middle and treble
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
Maximum communication range	30 m (without interference)
Connectivity	Master-slave: stereo pairing link

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### Technical Specifications (iP12B)

#### Power Supply

Power consumption	110 W @ 1/8 max power
<b>Voltage (fuses)</b>	
USA / Canada / Japan	100-120 V~, 50/60 Hz (T 6.3 A H 250 V)
UK / Australia / Europe	220-240 V~, 50/60 Hz (T 3.15 A H 250 V)
Korea / China	220-240 V~, 50/60 Hz (T 3.15 A H 250 V)

#### Enclosure

Dimensions (H x W x D)	485 x 420 x 500 mm (19.1 x 16.5 x 19.7")
Net weight	22.3 kg (49.2 lbs)
Construction	15 mm (5/8") birch plywood sub
Finish	Semi matte black paint
Grille	Powder coated perforated steel

\*Peak output. 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.

### Technical Specifications (iP82)

#### System

Frequency Response	70 Hz - 18 Hz ±3 dB 58 Hz - 20 Hz -10 dB
Nominal Dispersion	70° H x 70° V @ -6 dB points
Power handling (IEC)	150 W continuous, 600 W peak
Sensitivity	91 dB (1 W @ 1 m)
Maximum SPL	113 dB continuous, 119 dB peak
Impedance	4 Ω
Components	1 x 8" (203 mm) LF driver 1 x 1" (25 mm) HF compression driver

#### Enclosure

Connectors	1 x Neutrik speakON* NL4
Wiring	Pins 1+ / 1- input, pins 2+ / 2- N/C
Dimensions HWD	455 x 280 x 235 mm (17.9 x 11.0 x 9.3")
Net weight	9.3 kg (20.5 lbs)
Construction	15 mm (5/8") birch plywood
Finish	Semi matt black paint
Grille	Powder coated perforated steel

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