



# Blackline<sup>x</sup> **POWERED**

Signature Sound for Portable + Installation



**Unite Your Audience**  
The Martin Audio Experience



Since the early 1970's Martin Audio has been at the forefront of top tier professional sound reinforcement technology, engineering award-winning systems for largescale outdoor festivals and arena tours to satisfy the demands of the most discerning A-Level artists and deliver unmatched sound quality and coverage consistency to the audience.

Key to the superior capabilities of these world-class systems has been the integration of leading-edge acoustic, DSP and amplifier technologies to maximise performance and deliver the Martin Audio signature sound of impact, warmth and clarity to audiences worldwide.





# BlacklineX POWERED

The new portable BlacklineX Powered Series integrates all of our engineering expertise into easy-to-use, quick-to-deploy, high-powered loudspeakers that bring professional quality sound, top-flight performance and road-worthy durability into the hands of hard-working industry professionals — from musicians, music bars

and mobile DJ's, to corporate AV, House of Worship installations and more.

With optional Bluetooth control, streaming and a built-in three channel mixer, BlacklineX Powered puts Martin Audio signature stadium sound at your fingertips.





## FEATURES (XP12/15)

- Self-powered, portable two-way systems
- 1300W of Class D amplification
- Onboard DSP with rotary control interface
- Multi-function display for metering, control and function selection
- Three-channel mixer
- Three-band channel EQ, plus HPF (Ch1/2)
- Independent LF and HF peak and RMS limiters
- Three speaker mode and voicing presets
- Bluetooth® control and streaming option
- Durable plywood enclosures
- User-rotatable 80° x 50° HF horns
- Vertical and horizontal mounting options
- Symmetrical multi-angle enclosures for PA or stage monitor use
- Screw-free, cloth-backed steel grilles
- Integral ergonomic handles
- Mounting options include pole-mount, wall bracket and flying inserts

## APPLICATIONS

- Portable sound reinforcement
- Live music clubs
- Nightclubs, bars and restaurants
- Corporate AV, hotels and casinos
- Mobile DJ's
- Weddings and parties
- HoW installations
- Rehearsal studios



Comprising the XP12 and XP15 two-way systems and XP118 subwoofer, BlacklineX Powered incorporates the best-in-class performance, durability and reliability associated with Martin Audio professional systems in a range of affordable, portable self-powered loudspeakers.

## DURABLE COMPACT ENCLOSURES

### ROAD READY

Enclosures are constructed from plywood for enhanced sonic properties and finished with a hard-wearing textured paint for durability on the road. Cloth-backed perforated steel grilles on the XP12 and XP15 protect the drivers from damage and dust ingress, while not impeding airflow at low frequencies.



## CONSTANT DIRECTIVITY HF HORNS

### CONSISTENT TONAL BALANCE

The optimal 80° x 50° high frequency horns have the same vertical and horizontal mouth dimensions for pattern control down to the crossover frequency in both planes delivering consistent tonal balance. Horns are user-rotatable for horizontal or vertical enclosure orientation.



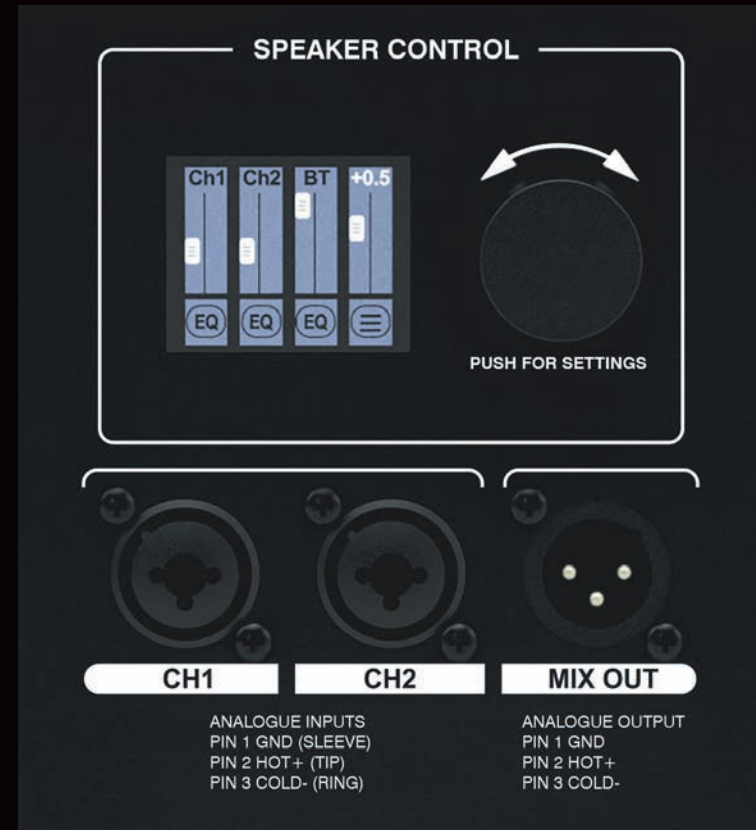
## **VERSATILE DESIGN MAXIMISE USAGE AND ROI**

BlacklineX Powered full-range enclosures are compact and designed for vertical or horizontal operation. Mounting options include wall bracket, eyebolt suspension and pole-mounting. Ergonomic handles assist portability and the symmetrical, multi-angle enclosures are designed to present the optimum angle when used as a stage monitor.



## HIGH-EFFICIENCY CLASS D AMPLIFICATION POWERFUL, CONSISTENT PERFORMANCE

Designed to match the BlacklineX Powered Series transducers, high-efficiency 1300W and 2000W Class D amplifiers ensure Blackline XP systems can deliver very high output levels. PFC (Power Factor Correction) within the power supplies smooths and reduces the overall current drawn from the mains supply to improve consistency of performance.



## STATE-OF-THE-ART DSP INTEGRATED CHANNEL PROCESSING AND MIXER

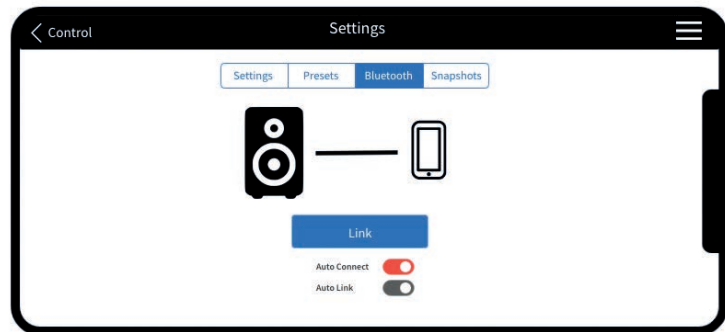
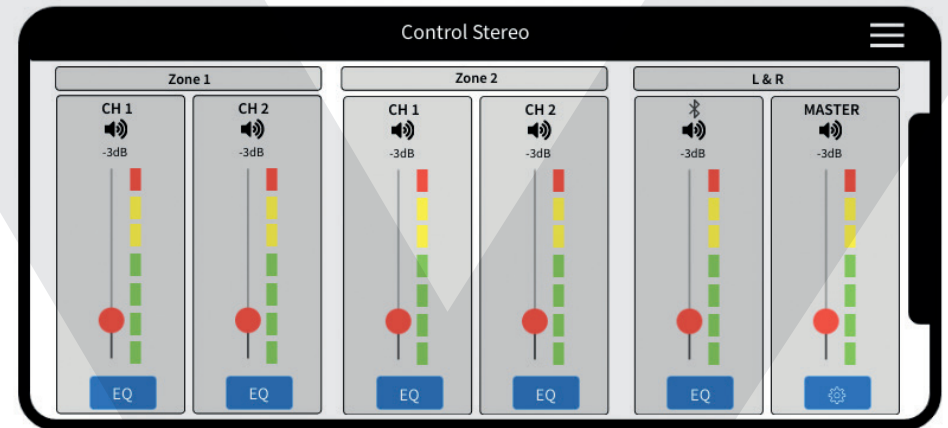
Onboard DSP maximises BlacklineX Powered capabilities and versatility. LF and HF drivers are protected independently by both RMS and peak limiters for years of optimal usage, while a 24dB/octave crossover precisely optimises the LF to HF transition for the most efficient response. A rotary encoder interface and multi-function colour screen on the rear panel provide metering and control of a three-channel mixer with three-band EQ on each channel, plus selection of three voicing presets and operating modes — including full-range, monitor and use with subwoofer so the enclosures can quickly adapt to a multitude of scenarios without added, external processing.



## BLUETOOTH® CONTROL AND STREAMING OPTION ADDED FLEXIBILITY AT YOUR FINGERTIPS

An optional Bluetooth® app provides audio streaming and control from Android and iOS phones and tablets\*. As well as streaming, the Bluetooth option offers control of the onboard DSP, mixer and mode functions — enabling access to the mixer EQ, mute and level to optimise the speaker set-up remotely. It also enables two speakers to be linked for stereo playback.

\*App not available at launch. Expected Autumn 2019.



## XP12

The XP12 is a compact, powered, two-way system designed by leading acoustic engineers. It can be used either as a stand-alone system, stage monitor or in conjunction with the XP118 powered subwoofer. Featuring a 12" (300mm) LF driver and a 1" (25mm) exit compression driver on an 80° x 50° rotatable horn, it is ideal for small to mid-size indoor venues requiring class-leading sound from a compact enclosure. The LF driver has a 2.5" (65mm) voice coil and powerful magnet system for the tightest bass response, while the HF compression driver utilises a 1.75" (44mm) polyimide diaphragm for extended high-frequency response without distortion.

An onboard Class D amplifier module delivers 1000W LF + 300W HF peak output to the drivers and sophisticated DSP functions are controlled by a rotary interface and multi-function, easy-to-use colour screen on the rear panel. DSP features include crossover function, a three-channel mixer with three-band EQ on each input channel and selection of three voicing presets and operating modes for flexible usage without external processing. The LF and HF drivers are independently protected by RMS and peak limiters for longevity and consistency of performance.

The XP12 is road-ready. Constructed from durable plywood, it is fitted with a cloth-backed steel grille to protect the drivers from damage and dust ingress, while not impeding airflow at low frequencies. The enclosure has M8 inserts for eyebolt suspension and a pole-mount socket with a removable cap that maintains clean lines for install applications. It is finished in black textured hard-wearing paint as standard.



## XP15

The XP15 is a self-powered two-way system designed by leading acoustic engineers for indoor portable applications and installations that require powerful performance from a single, portable loudspeaker. It features a 15" (380mm)/3" (75mm) voice coil LF drive unit, and a 1" (25mm) exit HF compression driver with a 1.75" (44mm) polyimide diaphragm. With an accurately-defined 80° x 50° coverage pattern, it combines very high output capability with exceptional sonic performance and low frequency impact.

Its Class D amplifier module delivers 1000W LF + 300W HF peak output to the drivers, which are independently protected by RMS and peak limiters. Onboard DSP functions are controlled by a rotary encoder interface and multi-function, easy-to-use colour display on the rear panel. DSP features include crossover function, a three-channel mixer with three-band EQ on each input channel and a choice of three voicing presets and operating modes for flexible operation without external processing.

The symmetrical, multi-angle enclosure is manufactured from plywood and finished in textured black paint. It is fitted with M8 inserts for eyebolt suspension, plus a pole-mount socket with a removable cap. Its cloth-backed protective steel grille is a spring-fit into the sides of the enclosure for easy access to rotate the HF horn.



## XP118

The XP118 is a compact, high performance subwoofer for indoor use with the XP12 and XP15 full-range loudspeakers. It extends the low frequency operating range of the combined system down to 42Hz and can be used singly, stacked in omni or cardioid mode, or flown via integral M10 insets. It features a long-excursion 18" (460mm)/4" (100 mm) voice coil driver in a compact enclosure that has four reflex ports with a large frontal area to reduce turbulent air noise at very high levels.

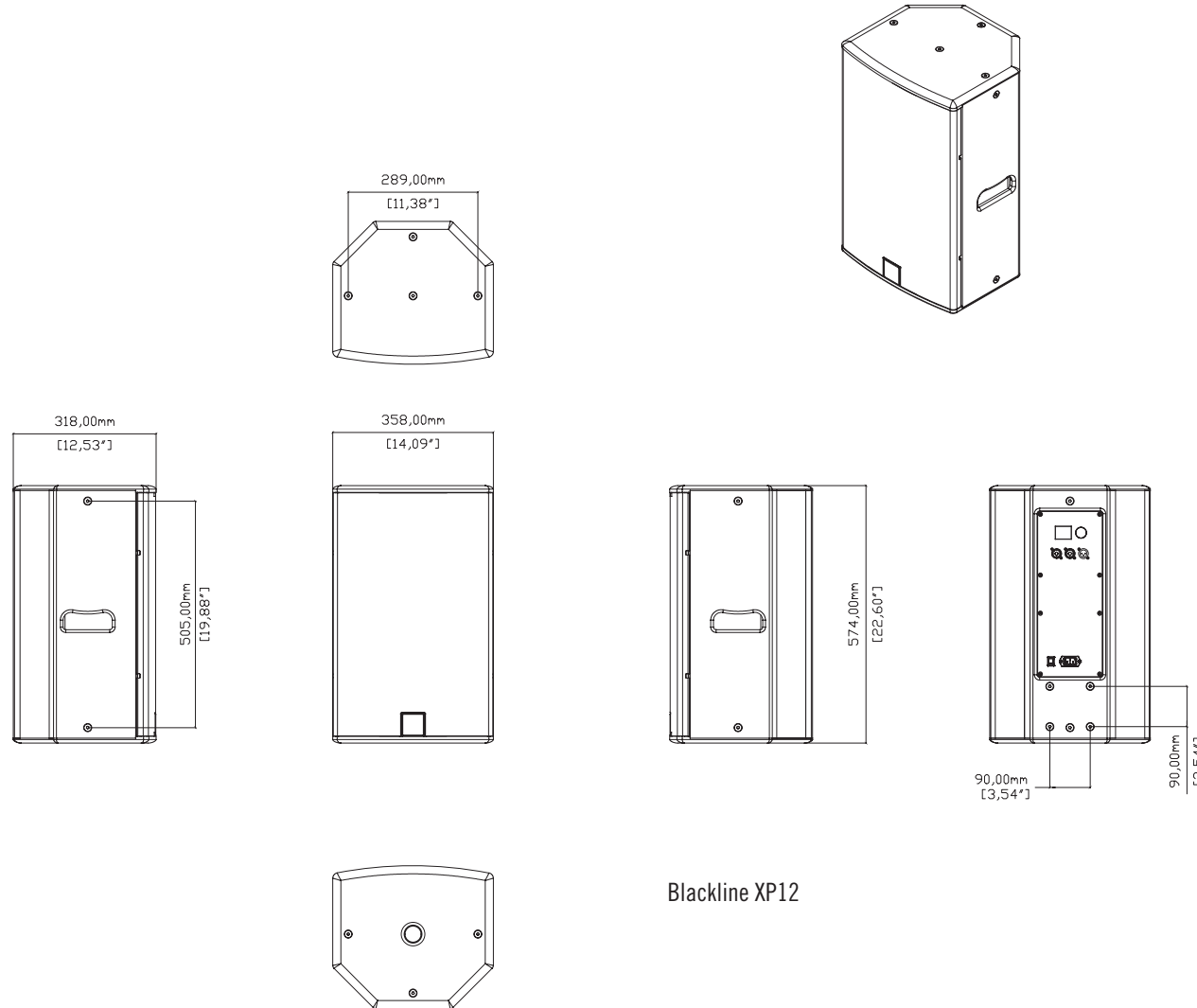
A convection-cooled Class D amplifier module delivers 2000W peak output to the driver for maximum low frequency extension and chest-thumping punch. Crossover, EQ, metering and control functions are provided by onboard DSP via a rotary encoder interface and multi-function colour screen on the rear panel.

The XP118 enclosure is built for the road, constructed from durable plywood and finished in textured black paint. A perforated steel grille protects the driver, and the enclosure has a 35mm pole-mount socket in the top surface and two ergonomic side handles.



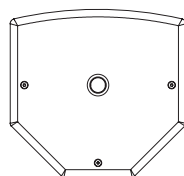
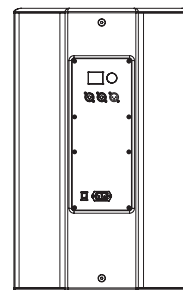
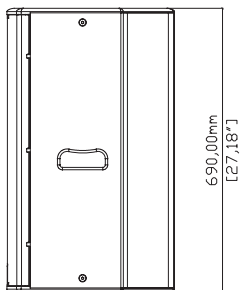
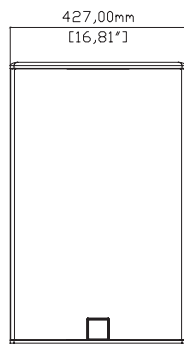
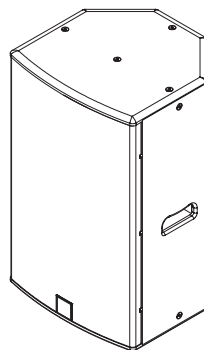
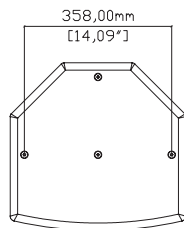
# TECHNICAL SPECIFICATIONS

# XP12



Blackline XP12

|                             |                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Acoustics</b>            |                                                                                                                                                |
| TYPE                        | Compact self-powered two-way system                                                                                                            |
| FREQUENCY RESPONSE (5)      | 62Hz – 20kHz ±3dB<br>-10dB @ 50Hz                                                                                                              |
| DRIVERS                     | LF: 12" (300mm)/2.5" (63.5mm) voice coil, ferrite motor system<br>HF: 1" (25mm) exit/1.7" (44mm) voice coil, polyimide dome compression driver |
| MAXIMUM SPL (9)             | 122dB continuous, 128dB peak                                                                                                                   |
| DISPERSION                  | 80° H x 50° V (user-rotatable)                                                                                                                 |
| CROSSOVER                   | 2.3kHz active, 24dB/octave                                                                                                                     |
| <b>Module</b>               |                                                                                                                                                |
| <b>Audio In/Out</b>         |                                                                                                                                                |
| INPUT CONNECTORS            | 2 x female XLR/ ¼" jack combo                                                                                                                  |
| MIC/LINE INPUT IMPEDANCE    | 8 kΩ balanced                                                                                                                                  |
| ¼" JACK TS INPUT IMPEDANCE  | 1 MΩ unbalanced                                                                                                                                |
| MIX OUTPUT CONNECTOR        | 1 x male XLR                                                                                                                                   |
| MIX OUTPUT IMPEDANCE        | 600Ω balanced                                                                                                                                  |
| <b>Internal Processing</b>  |                                                                                                                                                |
| Input channel EQ            | 3-band on each channel plus HPF (Ch1/2)                                                                                                        |
| Speaker EQ                  | 3 speaker mode/voicing presets                                                                                                                 |
| Protection                  | LF and HF Peak and RMS limiting, amplifier thermal protection                                                                                  |
| <b>Amplifier Module</b>     |                                                                                                                                                |
| TYPE                        | 2 channel switch-mode, class D                                                                                                                 |
| PEAK OUTPUT POWER           | 1300W total<br>1000W LF, 300W HF                                                                                                               |
| AVERAGE EFFICIENCY          | 89%                                                                                                                                            |
| COOLING                     | External convection cooled                                                                                                                     |
| MAXIMUM AMBIENT TEMPERATURE | 35°C (95°F) for full output                                                                                                                    |
| <b>Power Supply</b>         |                                                                                                                                                |
| TYPE                        | Switch-mode, fixed frequency with PFC                                                                                                          |
| AC INPUT OPERATING RANGE    | 100-240V ~ AC, 50 - 60Hz                                                                                                                       |
| POWER FACTOR                | > 0.98                                                                                                                                         |
| NOMINAL POWER CONSUMPTION   | 550W Max                                                                                                                                       |
| MAINS CONNECTOR             | 3-pin IEC                                                                                                                                      |
| <b>Mechanical</b>           |                                                                                                                                                |
| ENCLOSURE                   | Multi-angle birch/poplar ply                                                                                                                   |
| FINISH                      | Black textured paint                                                                                                                           |
| PROTECTIVE GRILLE           | Black perforated steel with scrim cloth backing                                                                                                |
| FITTINGS                    | 17 x M8 inserts, pole-mount socket, 2 x pocket handles                                                                                         |
| DIMENSIONS                  | (W) 358mm x (H) 574mm x (D) 318mm<br>(W) 14.1in x (H) 22.6in x (D) 12.5in                                                                      |
| WEIGHT                      | 18kg (40lbs)                                                                                                                                   |
| ACCESSORIES                 | Wall bracket, eyebolts                                                                                                                         |



Blackline XP15

## XP15

### Acoustics

|                        |                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| TYPE                   | High output, self-powered two-way system                                                                                                  |
| FREQUENCY RESPONSE (5) | 55Hz – 20kHz $\pm$ 3dB<br>-10dB @ 45Hz                                                                                                    |
| DRIVERS                | LF: 15" (380mm)/3" (75mm) voice coil ferrite motor system<br>HF: 1" (25mm) exit/1.7" (44mm) voice coil, polyimide dome compression driver |
| MAXIMUM SPL (9)        | 125dB continuous / 131dB peak                                                                                                             |
| DISPERSION             | 80° H x 50° V (user-rotatable)                                                                                                            |
| CROSSOVER              | 2kHz active, 24dB/octave                                                                                                                  |

### Module

#### Audio In/Out

|                            |                               |
|----------------------------|-------------------------------|
| INPUT CONNECTORS           | 2 x female XLR/ ¼" jack combo |
| MIC/LINE INPUT IMPEDANCE   | 8 k $\Omega$ balanced         |
| ¼" JACK TS INPUT IMPEDANCE | 1 M $\Omega$ unbalanced       |
| MIX OUTPUT CONNECTOR       | 1 x male XLR                  |
| MIX OUTPUT IMPEDANCE       | 600 $\Omega$ balanced         |

#### Internal Processing

|                  |                                                               |
|------------------|---------------------------------------------------------------|
| Input channel EQ | 3-band on each channel plus HPF (Ch1/2)                       |
| Speaker EQ       | 3 speaker mode/voicing presets                                |
| Protection       | LF and HF Peak and RMS limiting, amplifier thermal protection |

#### Amplifier Module

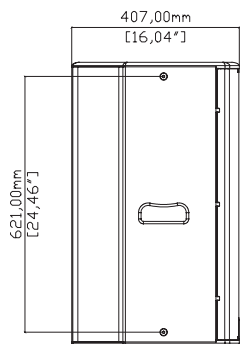
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|-----------------------------|----------------------------------|
| TYPE                        | 2 channel switch-mode, Class D   |
| PEAK OUTPUT POWER           | 1300W total<br>1000W LF, 300W HF |
| AVERAGE EFFICIENCY          | 89%                              |
| COOLING                     | External convection cooled       |
| MAXIMUM AMBIENT TEMPERATURE | 35°C (95°F) for full output      |

#### Power Supply

|                           |                                       |
|---------------------------|---------------------------------------|
| TYPE                      | Switch-mode, fixed frequency with PFC |
| AC INPUT OPERATING RANGE  | 100-240V ~ AC, 50 - 60Hz              |
| POWER FACTOR              | > 0.98                                |
| NOMINAL POWER CONSUMPTION | 550W Max                              |
| MAINS CONNECTOR           | 3-pin IEC                             |

#### Mechanical

|                   |                                                                         |
|-------------------|-------------------------------------------------------------------------|
| ENCLOSURE         | Multi-angle birch/poplar ply                                            |
| FINISH            | Black textured paint                                                    |
| PROTECTIVE GRILLE | Black perforated steel with scrim cloth backing                         |
| FITTINGS          | 13 x M8 inserts, pole-mount socket, 2 x pocket handles                  |
| DIMENSIONS        | (W) 427mm x (H) 690mm x (D) 407mm<br>(W) 16.8in x (H) 27.2 x (D) 16.0in |
| WEIGHT            | 26kg (57lbs)                                                            |
| ACCESSORIES       | Eyebolts                                                                |



# XP118

## Acoustics

|                        |                                                                   |
|------------------------|-------------------------------------------------------------------|
| TYPE                   | Compact, direct radiating powered subwoofer                       |
| FREQUENCY RESPONSE (1) | 42Hz -150Hz ±3dB<br>-10dB @ 38Hz                                  |
| DRIVER                 | 18" (460mm)/4" (100mm) voice coil, long excursion, ferrite magnet |
| MAXIMUM SPL(9)         | 131dB continuous / 137dB peak (half space)                        |
| DISPERSION             | Omnidirectional                                                   |
| CROSSOVER              | 100Hz, active                                                     |

## Module

### Audio In/Out

|                            |                               |
|----------------------------|-------------------------------|
| INPUT CONNECTORS           | 2 x female XLR/ ¼" jack combo |
| MIC/LINE INPUT IMPEDANCE   | 8 kΩ balanced                 |
| ¼" JACK TS INPUT IMPEDANCE | 1 MΩ unbalanced               |
| MIX OUTPUT CONNECTOR       | 1 x male XLR                  |
| MIX OUTPUT IMPEDANCE       | 600Ω balanced                 |

### Internal Processing

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Input channel EQ | 3 band                                              |
| Speaker EQ       | 4 presets, including cardioid mode                  |
| Protection       | Peak and RMS limiting, amplifier thermal protection |

### Amplifier Module

|                             |                             |
|-----------------------------|-----------------------------|
| TYPE                        | Class D, Bridged Tied       |
| PEAK OUTPUT POWER           | 2000W total                 |
| AVERAGE EFFICIENCY          | 89%                         |
| COOLING                     | Convection                  |
| MAXIMUM AMBIENT TEMPERATURE | 35°C (95°F) for full output |

### Power Supply

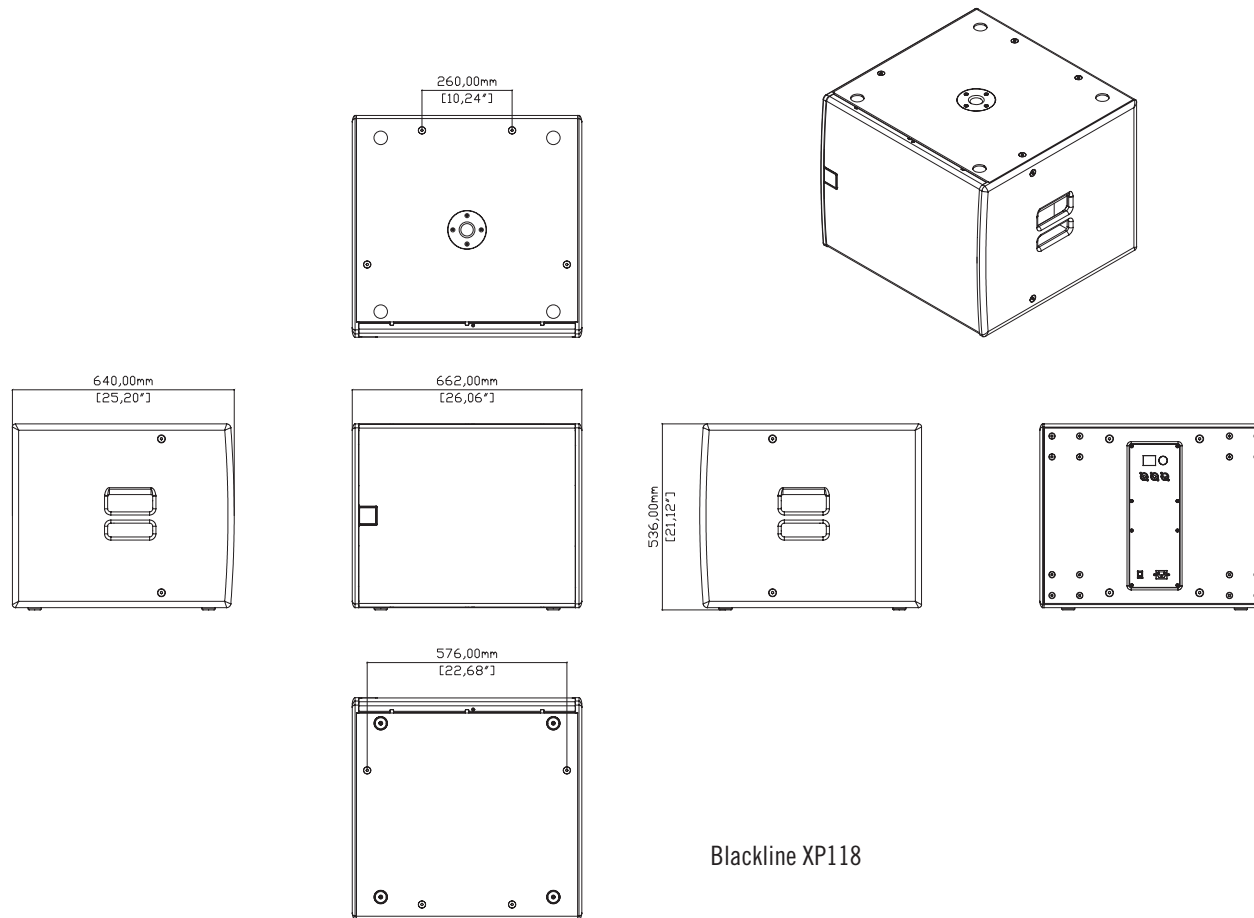
|                           |                                       |
|---------------------------|---------------------------------------|
| TYPE                      | Switch-mode, fixed frequency with PFC |
| AC INPUT OPERATING RANGE  | 100 - 240V ~ AC, 50 - 60Hz            |
| POWER FACTOR              | > 0.98                                |
| NOMINAL POWER CONSUMPTION | 1000W Max                             |
| MAINS CONNECTOR           | 3-pin IEC                             |

### Mechanical

|                   |                                                                               |
|-------------------|-------------------------------------------------------------------------------|
| ENCLOSURE         | Birch/poplar ply                                                              |
| FINISH            | Black textured paint                                                          |
| PROTECTIVE GRILLE | Black perforated steel                                                        |
| FITTINGS          | 16 x M10 inserts, pole-mount socket<br>2 x bar handles, provision for castors |
| DIMENSIONS        | (W) 662mm x (H) 536mm x (D) 640mm<br>(W) 26.1in x (H) 21.1in x (D) 25.2in     |
| WEIGHT            | 44kg (97lbs)                                                                  |
| ACCESSORIES       | Eyebolts, castors                                                             |

### Notes

- (1) Measured on-axis in half (2pi) space at 2 metres, then referred to 1 metre.
- (2) AES Standard ANSI S4.26-1984.
- (3) Measured in half (2pi) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (4) Measured in half (2pi) space at 2 metres using band limited pink noise, then referred to 1 metre.
- (5) Measured on-axis in open (4pi) space at 2 metres, then referred to 1 metre.
- (6) Measured in open (4pi) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (7) Measured in open (4pi) space at 2 metres using band limited pink noise, then referred to 1 metre.
- (8) Measured in open (4pi) space at 2 metres with 2.83v input, using band limited pink noise, then referred to 1 metre.
- (9) Calculated at 1 metre.
- (10) Measured in half (2pi) space at 2 metres with 2.83V input, using band limited pink noise



Blackline XP118



# BlacklineX POWERED

Signature Sound for Portable + Installation

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The Martin Audio Experience

Version 1.0