Unite Your Audience
The Martin Audio Experience
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3D IMMERSIVE SOUND: SOUND ADVENTURES

**Sound Adventures**

Martin Audio loudspeakers in combination with Astro Spatial Audio software and processing unite your audience in an unrivalled immersive 3D sound field.

Utilising patented acoustic technology the result is scalable and easy to operate fully object-based immersive audio delivering new creative options for live acts and theatres worldwide, as well as installations in a variety of venues.

**FEATURES**
- Unite Your Audience with 3D immersive sound fields
- Create movable sound effects and mixes in real time
- Room acoustic enhancement to meet the intended acoustic properties of an event
- Extend stereo image for audience – Wide Stereo
- Integrate with either BlackTrax or Stagetracker II to track performers on stage and improve audio localisation for every member of the audience

**APPLICATIONS**
- Live sound events
- Performing art facilities such as theatres and opera houses
- Houses of Worship
- Museum / Art installations
- Theme parks
- Exhibitions
- Corporate Events
- E-Sports Conventions

martin-audio.com/sound-adventures
### Audio and Control

- **Audio Inputs**: 32 standard (expandable)
- **Audio Outputs**: 64 standard (expandable)
- **Sample Rate**: 24 bit @ 48 kHz
- **Latency**: <5 ms
- **External Control**: Open Sound Control (OSC) for MIDI, RS232 and GPIO
- **Front panel display**: 2.8” TFT LCD color touch screen
- **Standard**: MADI
  - Optical (SC) and coaxial (BNC)
- **Option**: Dante™
  - 1 x RJ45 Gigabit Ethernet LAN port
- **Wordclock**: Selectable internal / external (BNC)
- **Network**: 1 x Gigabit on Ethercon Neutrik NE8
- **Maintenance only**: 1 x VGA, 1024 x 768 or higher
  - 2 x USB 3.0, 1 x RJ45 Gigabit Ethernet

### Storage

- **RAM**: 16 GB
- **Internal Storage**: 2 x 120 GB Solid State Drives
- **Redundancy**: RAID 1 SSD (internal) / Optional parallel SARA II ENGINES
- **Power Supply**: 100 – 240 Vac, 50-60 Hz, 6.3 A max
- **Max Output**: 450 W
- **Connector**: Neutrik PowerCon NAC3MPA-1
- **Option**: Redundant PSU, 2 x 500 W, 8 A with audible and visual warnings

### General

- **Housing**: 19” Rackmount, 3 RU
- **Dimensions**: Width x Depth x Height (19” x 21.7” x 5.25”)
- **Weight**: 11.9 kg (26 lbs) plus cables
- **Operating System**: Linux CentOS

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Multi-cellular Loudspeaker Array (MLA®) Systems

With multiple awards for innovation, the MLA Series — comprising MLA, MLA Compact and MLA Mini — represents the first fundamental change in array technology since the introduction of line array over twenty years ago.

MLA’s combination of cellular drive and automated numerical optimisation delivers much more consistent sound across the audience, puts an end to trial-and-error tuning sessions and reduces sound spill — both on stage and beyond the audience boundary.

MLA technology is a departure from the principles behind conventional line arrays, where the focus is on producing coherent wavefronts as they exit the speaker grilles — giving the user little control over what reaches the ears of the audience. MLA cellular technology takes the opposite approach — the user specifies the SPL and frequency response required at the front rows, the mix position and the rear seats, and intelligent optimisation software automatically determines the array configuration and controls each individual cell in the array to produce that result.

The MLA Series offers new solutions — the MLA touring system resolves the conflicting requirements of audience and local residents at outdoor festivals by delivering the highest sound levels out-front without exceeding strict noise pollution levels off-site. At the other end of the scale, the versatile MLA Mini opens up a wide range of portable live sound applications for smaller venues, as well as a myriad of installation opportunities.
MLA Cellular Technology

MLA, MLA Compact and MLA Mini all feature cellular drive — where each LF, MF and HF cell in the array has its own onboard DSP and amplification under the control of DISPLAY™ automated intelligent software. A 24-box MLA system will have 144 individual cells, a 16-box MLA Compact system will have 80 cells, and a 16-box MLA Mini will have 32 cells.

With each cell in the array under computer control, MLA Series systems are not constrained by the 3dB decrease in SPL with doubling of distance associated with conventional line arrays — enabling the engineer’s exact mix to be delivered throughout the audience with a degree of control, consistency and repeatability not previously possible.

‘Hard avoid’ areas, such as on-stage, ceilings, balcony edges and beyond the venue perimeter can be programmed in and vertical coverage can also be fine-tuned after rigging without the need to reposition the array or change the inter-cabinet splay angles.

By departing from line array convention, and focusing on what arrives at the audience instead of what leaves the array, MLA cellular technology holds both SPL and frequency response within a very tight window – from the front rows to the rear balconies.
MLA System

MLA system components comprise the MLA 3-way array enclosure, MLD downfill and MLX Sub-bass. MLA is a fully-integrated system, with Class D amplification, U-NET™ control network and DSP all integrated within each enclosure – simplifying set-up and eliminating long, heavy-gauge cable runs.

An MLA touring system is complete and ready-to-use, with enclosures, flying hardware, software, cabling, flight cases and training all included in the system package.

FEATURES

- Cellular array with built-in amplification, DSP and digital networking
- 6 dedicated Class D amplifier channels per enclosure for individual powering and DSP control of individual cells
- Switch mode power supply with PFC (Power Factor Correction) and global mains voltage operation
- Three-way all-horn design delivers LF/MF/HF peak SPL’s of 140/139/145 dB @ 1m from a single enclosure
- Fast, integral flying system for suspension of up to 24 enclosures
- True 90° (-6dB) horizontal constant directivity, mid and high frequency pattern control. Consistent and usable out to 120° (-10dB)
- 60Hz-18kHz ± 3dB full bandwidth frequency response

APPLICATIONS

- Large-scale touring sound reinforcement for outdoor festivals, stadiums, arenas and concert halls
- Premium fixed installations in concert halls, theatres and sports venues
MLA Compact

Scalable and versatile, MLA Compact brings MLA technology to the wide range of applications that do not require the full power and throw of the MLA. Its compact size belies its output capabilities – a 12-box MLA Compact array can easily deliver full rock SPL’s in a 5000 seat venue, whilst a 24-box array will approach the output of many ‘full-size’ systems.

The MLA Compact is partnered by either the DSX ground-stacked, powered sub-bass, or the DSX-F flying version.

FEATURES

• Cellular array with built-in amplification, DSP and digital networking
• 5 dedicated Class D amplifier channels per enclosure for individual powering and DSP control of individual cells
• Switch mode power supplies with PFC (Power Factor Correction) and global mains voltage operation
• Three-way all-horn design delivers LF/MF/HF peak SPL’s of 135/135/135 dB @ 1m from a single, compact enclosure
• Fast, integral flying system for suspension of up to 24 enclosures
• True 100° (-6dB) horizontal constant directivity, mid and high frequency pattern control. Consistent and usable out to 130° (-10dB)
• 65Hz-18kHz ± 3dB full bandwidth frequency response

APPLICATIONS

• Premium touring sound reinforcement for medium-size venues
• Fixed installations in concert halls, theatres, ballrooms and HoW
• Side hang for MLA festival and arena systems

martin-audio.com/products/series/mla-systems
MLA Mini

The ultra-compact MLA Mini brings revolutionary MLA cellular technology to smaller-scale portable and installed sound applications. Its very small footprint and light weight make it the system of choice for small-to-medium venues. MLA Mini is designed as a complete system, with complementary MSX mini-sub power plant, which houses networking, DSP and 9 channels of Class D amplification necessary to power and control itself and 4 MLA Mini enclosures. MLA Mini can also operate as a plug-and-play system using onboard presets instead of computer control.

FEATURES

- Cellular array format with amplification, DSP and digital networking housed in companion MSX sub-bass
- 2 Class D amplifier channels per enclosure for individual powering and DSP control of LF and HF cells
- Switched mode power supplies with PFC (Power Factor Correction) and global mains voltage operation
- Two-way design delivers LF/HF peak SPL's of 130/129dB @ 1m from a single, ultra-compact enclosure
- Fast, integral flying system for suspension of up to 16 MLA Minis
- True 100° (-6dB) horizontal constant directivity
- 76Hz-18kHz ± 3dB frequency response
- Scalable for audiences of 100-3,000

APPLICATIONS

- Small-to-medium scale live music venues and theatres
- Portable live sound and AV events
- Fixed installations in concert halls, theatres, ballrooms and HoW
- Side-fill for MLA Compact systems

martin-audio.com/products/series/mla-systems
Corona Sunset Sessions, Columbia

Henley Festival, UK

Disrupt Summit, South Africa

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In recent years, Martin Audio’s award-winning MLA systems have raised the expectations of audiences, sound engineers and promoters worldwide. With independent drive of individual acoustic cells controlled by industry-leading DISPLAY™ optimisation software, MLA technology delivers unmatched sound quality and coverage consistency while reducing sound-spill.

Drawing on the research and technology behind MLA, the Wavefront Precision Series is a new generation of multipurpose line arrays designed to bring Martin Audio’s legendary sound, coverage consistency and control to a broader range of touring applications, installations and budgets.

Comprising of WPL, WPC, WPS and WPM, Wavefront Precision line arrays are designed as complete systems with external iKON® multi-channel amplifiers and optimised by automated DISPLAY software.

Adopting the principle of scalable resolution, with external, dedicated multi-channel amplifiers, Wavefront Precision line arrays are uniquely flexible, upgradeable and financially accessible.

[Image -1x27 to 349x433]
**WPL**

WPL is a full-scale line array which is capable of exceptionally high output for its modest size and weight. A three-way, bi-amped system, its very high output is achieved by utilising Martin Audio’s trademark horn-loading technology across all frequency bands — increasing the acoustic output of the low frequency section, as well as the midrange and HF.

It incorporates 2 x 12” (300mm) drivers with Hybrid® horn/reflex loading, 2 x 6.5” (165mm) cone drivers on a midrange horn which covers the vocal frequency range from 300Hz to 4kHz, and 3 x 1” (25mm) exit HF drivers operating from 4kHz upwards. Each section features innovative horn-loading techniques and refinements which raise the acoustic performance of WPL to a superior level — both in terms of output and smooth 90° horizontal coverage patterns of the mid and HF horns. Sonically, WPL’s exemplary horizontal dispersion pattern translates to an incredibly consistent frequency response off-axis, with minimal variation from the on-axis response.

The maximum peak outputs of the LF, Mid and HF sections are 139dB, 140dB and 145dB per enclosure @ 1m and 6dB crest factor, respectively — ensuring that a WPL array will meet the most demanding requirements for throw and clarity in the largest venues and outdoor events.

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**WPC**

The WPC is a three-way, bi-amp system, featuring horn-loaded low-frequency, mid and HF sections to raise efficiency and increase output. The low frequency section consists of 2 x 10” (250mm) neodymium drivers in a unique Hybrid® configuration which marries the benefits of horn and reflex loading. Each driver is slot-loaded into a short horn to give a high sensitivity of 103dB @ 1m/2.83V, while the rear of the driver is reflex-loaded to extend the LF output. The punch and low-frequency extension produced from such a small enclosure volume are remarkable.

Mid and HF horns are physically separate — a key factor in WPC’s exemplary 100° horizontal constant directivity dispersion pattern. The midrange horn design utilises 2 x 5” (125mm) neodymium drivers to produce a high SPL of 109dB @ 1m/2.83V, while the HF section employs 4 x 0.7” (19mm) exit neodymium compression drivers which feed 4 individual horns. Use of multiple small HF drivers instead of a more traditionally-used large format compression driver results in less distortion and a more extended HF response.

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A passive 3-way system which integrates a high density of drive units in a very compact enclosure. It features 2 x 8” (200mm) LF drivers, 4 x 4” (100mm) midrange drivers and 4 x 1” (25mm) exit HF compression drivers loaded by a moulded HF horn which occupies the full width of the enclosure — defining the 100° horizontal constant directivity coverage pattern of both the HF and midrange sections.

The 4” midrange drivers are compression-loaded to raise efficiency and enter the horn walls via annular slots close to the HF throat to sum effectively with the HF wavefront. In the HF section, four 1” exit compression drivers deliver pristine high frequency sound without the harshness and distortion associated with larger format devices.

The 8” LF drivers are set back behind the walls of the HF horn, with a small volume of air in front of each driver increasing the output at the upper end of its operating range. The LF exit apertures are spaced apart horizontally to provide useful LF horizontal pattern control.

A passive 2-way system with an impedance of 16 ohms, it can be driven in blocks of 1, 2, 3 or 4 resolution configuration. With a complement of 2 x 6.5” (165mm) LF drivers and a vertical column of 3 x 1.4” (35mm) aluminium dome HF drivers, the acoustic design of WPM is uniquely innovative. The LF drivers are located in the side walls of the HF horn — an arrangement which would introduce acoustic cavities which would degrade the horizontal dispersion if conventional cone drivers were used. WPM’s drivers adopt an elegant solution by having solid moulded diaphragms which match the contours of the horn walls and maintain the continuity of the horn profile.

Each LF driver also features a demodulation ring in the neodymium motor system to minimize distortion and maximise mid-band output.

In the triple-driver HF section, each individual HF wavefront is precisely coupled to the horn throat via a short waveguide for faultless 100° horizontal constant directivity coverage.
### WPL

**Type**
- Three-way, bi-amp line array element

**Frequency Response (Hz)**
- LF: 52Hz - 18kHz ± 3dB

**Drivers**
- **LF**: 2 x 12" (300mm)/3" (75mm) voice coil, long excursion, neodymium magnet drivers, Hybrid® slot horn loaded
- **MF**: 2 x 6.5" (165mm)/2" (50mm) voice coil, neodymium magnet drivers, horn loaded
- **HF**: 3 x 1" (25mm) exit neodymium magnet compression drivers, horn loaded

**System Amplifier**
- iKON iK42

**System Resolution**
- 1 or 2 enclosures per pair of amplifier channels (Bi-amp)

**Maximum SPL (dB)**
- LF: 139dB, MF: 140dB, HF: 145dB

**Nominal Impedance**
- LF: 8 ohms, MF + HF: 8 ohms

**Dispersion**
- 90º horizontal (-6dB), 120º horizontal (-10dB), 7.5° vertical

**Crossover**
- 320Hz active, 4kHz internal passive

**Enclosure**
- Vertical trapezoid with 3.75º wall angle, multi-laminate birch and poplar-ply construction

**Finish**
- Black textured paint

**Protective Grille**
- Black HEX perforated steel

**Dimensions (ex. pins)**
- (W) 1136mm x (H) 371mm x (D) 526mm
  - (W) 44.7in x (H) 14.6in x (D) 20.7in

**Weight**
- 64kg (141lbs)

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### WPS

**Type**
- Three-way, passive line array element

**Frequency Response (Hz)**
- LF: 65Hz - 18kHz ± 3dB

**Drivers**
- **LF**: 2 x 10" (250mm)/2.5" (63mm) voice coil, long excursion, vented pole, neodymium magnet drivers, Hybrid®slot horn loaded
- **MF**: 2 x 5" (125mm)/1.5" (38mm) voice coil, neodymium magnet drivers, horn loaded
- **HF**: 4 x 0.7" (19mm) exit neodymium magnet compression drivers, horn loaded

**System Amplifier**
- iKON iK42

**System Resolution**
- 1 to 3 enclosures per pair of amplifier channels (Bi-amp)

**Maximum SPL (dB)**
- 135dB peak

**Nominal Impedance**
- LF: 8 ohms, MF + HF: 8 ohms

**Dispersion**
- 100º horizontal (-6dB), 130º horizontal (-10dB), 10° vertical

**Crossover**
- 440Hz active, 4.4kHz internal passive

**Enclosure**
- Vertical trapezoid with 5º wall angle, multi-laminate birch and poplar-ply construction

**Finish**
- Black textured paint

**Protective Grille**
- Black HEX perforated steel

**Fittings**
- 3-point rigging system, 2 x side pocket handles, 2 x rear grip handles

**Dimensions**
- (W) 772mm x (H) 319mm x (D) 421mm
  - (W) 30.4in x (H) 12.6in x (D) 16.6in

**Weight**
- 35kg (77.1lbs)

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### WPC

**Type**
- Three-way, bi-amp line array element

**Frequency Response (Hz)**
- LF: 65Hz - 18kHz ± 3dB

**Drivers**
- **LF**: 2 x 6.5" (165mm) contoured diaphragm/2" (50mm) edge-wound CCAW voice coil, neodymium magnet drivers, reflex loaded
- **HF**: 3 x 1.4" (35mm) aluminium dome/1.4" (35mm) voice coil, neodymium magnet compression drivers on constant-directivity waveguide

**System Amplifier**
- iKON iK31

**System Resolution**
- 1 to 4 enclosures per amplifier channel

**Maximum SPL (dB)**
- 130dB peak (1 cabinet)

**Nominal Impedance**
- 16 ohms

**Dispersion**
- 100º horizontal (-6dB), 125º horizontal (-10dB), 10° vertical

**Crossover**
- 440Hz active, 4.4kHz internal passive

**Enclosure**
- Vertical trapezoid with 5º wall angle, multi-laminate birch and poplar-ply construction

**Finish**
- Black textured paint

**Protective Grille**
- Black HEX perforated steel

**Dimensions**
- (W) 500mm x (H) 185mm x (D) 377mm
  - (W) 19.7in x (H) 7.3in x (D) 14.8in

**Weight**
- 14kg (30.9lbs)

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### WPM

**Type**
- Two-way, passive line array element

**Frequency Response (Hz)**
- 76Hz - 18kHz ± 3dB

**Drivers**
- **LF**: 2 x 6.5" (165mm) contoured diaphragm/2" (50mm) edge-wound CCAW voice coil, neodymium magnet drivers, reflex loaded
- **HF**: 3 x 1.4" (35mm) aluminium dome/1.4" (35mm) voice coil, neodymium magnet compression drivers on constant-directivity waveguide

**System Amplifier**
- iKON iK42, iK81

**System Resolution**
- 1 to 4 enclosures per amplifier channel

**Maximum SPL (dB)**
- 130dB peak (1 cabinet)

**Nominal Impedance**
- 16 ohms

**Dispersion**
- 100º horizontal (-6dB), 125º horizontal (-10dB), 10° vertical

**Dimensions**
- (W) 500mm x (H) 185mm x (D) 377mm
  - (W) 19.7in x (H) 7.3in x (D) 14.8in

**Weight**
- 14kg (30.9lbs)
### iK81

#### General
- **Type**: Eight-channel Class D amplifier
- **Total Output Power**: 10,000 Watts RMS, all channels driven
- **Digital Signal Processing**: 96kHz DSP on all inputs and outputs
- **Cooling**: Dual vari-speed fans, front-to-back airflow
- **Maximum Ambient Temperature**: 40°C (104°F)

#### Audio Inputs/Outputs
- **Analogue In/Link (4 Channels)**: 4 x female, 4 x male Neutrik™ XLR
- **Analogue Input Impedance**: 20kΩ balanced to ground
- **Maximum Analogue Input Level**: +20dBu
- **Nominal System Gain**: 32dB

#### Control and Monitoring Network
- **Topology**: Ethernet
- **Control Application**: Martin Audio VU-NET™

#### Power Supply
- **Type**: High performance Series Resonant
- **AC Input Operating Range**: 85 – 240V ~ AC, 47 - 63Hz
- **Mains Inrush Current**: 6A at 15V, 12A at 230V (max for <10ms)
- **Mains Connector**: Neutrik 32A Powercon™

#### Physical
- **Dimensions**: (W) 483 x (H) 2U/89mm x (D) 357mm
- **Weight**: 12.5kg (27.5lbs)

### iK42

#### General
- **Type**: Four-channel Class D amplifier
- **Total Output Power**: 20,000 Watts RMS, all channels driven
- **Digital Signal Processing**: 96kHz DSP on all inputs and outputs
- **Cooling**: Dual vari-speed fans, front-to-back airflow
- **Maximum Ambient Temperature**: 40°C (104°F)

#### Audio Inputs/Outputs
- **Analogue In/Link (4 Channels)**: 4 x female, 4 x male Neutrik™ XLR
- **Analogue Input Impedance**: 20kΩ balanced to ground
- **Maximum Analogue Input Level**: +20dBu
- **Nominal System Gain**: 32dB

#### Control and Monitoring Network
- **Topology**: Ethernet
- **Control Application**: Martin Audio VU-NET™

#### Power Supply
- **Type**: High performance Series Resonant
- **AC Input Operating Range**: 85 – 240V ~ AC, 47 - 63Hz
- **Mains Inrush Current**: 6A at 15V, 12A at 230V (max for <10ms)
- **Mains Connector**: Neutrik 32A Powercon™

#### Physical
- **Dimensions**: (W) 483 x (H) 2U/89mm x (D) 357mm
- **Weight**: 12.5kg (27.5lbs)

[Link to Martin Audio products page](martin-audio.com/products/series/wavefront-precision)
**O-Line™**

**NOW WITH SCALABLE RESOLUTION**

O-Line™ is a versatile, micro-line array now with scalable resolution designed to tame a wide variety of architectural and challenging acoustic environments.

O-Line delivers consistent audio coverage with unprecedented accuracy in a wide variety of architectural environments, using just one amplifier channel per array in many applications. By utilising a complement of unique, Martin Audio designed drivers, and mechanical alignment techniques, simple EQ and Limiting is the only processing required.

O-Line is an award winning aesthetically pleasing modular micro line array designed for a wide variety of architectural applications – from houses of worship to transport terminals.

It combines innovative acoustic design with powerful optimisation software to achieve optimum coverage with unprecedented accuracy over a pre-defined area.

In many applications an O-Line array can be driven using only one amplifier channel, with simple EQ and limiting the only processing required.

It can now also be taken into a new dimension of coverage, consistency and control when combined with an iKON iK81 eight-channel amplifier with onboard DSP to independently control and power each individual enclosure. This unlocks the full potential of O-Line — further refining coverage consistency and increasing the ability to ‘dial-out’ the influence of the room by accessing DISPLAY’s ‘hard avoid’ capability and electronically adjustable coverage.

Unlike many DSP ‘steered’ columns, an O-Line array does not produce unwanted vertical sidelobes in the audio band. This is critical in reverberant environments as sidelobes firing above and below the array simply adds to the reverberant energy, impacting on intelligibility. O-line’s ability to reproduce very high frequencies without sidelobes makes it the ideal solution for both full-range speech and music reproduction in reverberant spaces.

An O-Line array is finished in a neutral light grey that blends into the background of most architectural spaces with modular design in multiples of four cabinets. Sonically, it is very clean and musical, and capable of surprisingly high output levels for its very small size with 16 cabinets capable of an astonishing 134dB [peak] and a throw distance of up to 40 metres.
**O-Line™**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Two-way micro line array module</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RESPONSE (5)</td>
<td>85Hz-20kHz ± 3dB, -10dB @ 76Hz</td>
</tr>
<tr>
<td>DRIVERS</td>
<td>2 x 3.5&quot; (87mm)/1&quot; (25mm) voice coil LF drivers</td>
</tr>
<tr>
<td></td>
<td>5 x 0.55&quot; (14mm) soft dome tweeters</td>
</tr>
<tr>
<td>RATED POWER (2)</td>
<td>50W AES, 200W peak</td>
</tr>
<tr>
<td>SENSITIVITY (B)</td>
<td>84dB at LF rising to 92dB at HF</td>
</tr>
<tr>
<td>MAXIMUM SPL (9)</td>
<td>104dB continuous, 110dB peak</td>
</tr>
<tr>
<td>NOMINAL IMPEDANCE</td>
<td>16 ohms</td>
</tr>
<tr>
<td>DISPERSION (-6dB)</td>
<td>100º horizontal, 5º vertical</td>
</tr>
<tr>
<td>CONNECTORS</td>
<td>4 pole socket</td>
</tr>
<tr>
<td>FITTINGS</td>
<td>6 x M8 fixings for wall and flying brackets</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>(W) 246mm x (H) 115mm x (D) 198mm</td>
</tr>
<tr>
<td></td>
<td>(W) 9.7ins x (H) 4.5ins x (D) 7.8ins</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>3.6kg (7.9lbs)</td>
</tr>
</tbody>
</table>
DISPLAY – Optimisation and Prediction Software

DISPLAY is the brain of the MLA Series, Wavefront Precision Series and O-Line. Its numerical optimisation process eliminates lengthy trial-and-error tuning sessions, so that an MLA or Wavefront Precision system achieves the required audience coverage straight out of the box.

Based on a detailed acoustic model of array behaviour, it gives a very accurate prediction of the direct sound produced over the audience as well as areas where sound is to be reduced.

It takes the guesswork out of array design, deployment and control – generating highly accurate spot frequency responses and comprehensive rigging information, including mechanical load safety analysis.

The intelligent optimisation process evaluates configurations of potential arrays against various target functions — such as frequency response, flatness and sound leakage into non-audience areas. With the computer working behind the scenes, the engineer retains full artistic control over the house curves — DISPLAY simply replicates what the engineer hears at the mix position to the entire audience.*

*For Wavefront Precision and O-Line, audience coverage consistency is also dependent upon the level of amplification per box.
VU-NET – Control Software

MLA, Wavefront Precision, CDD-LIVE and indeed any U-NET enabled device can all be remotely controlled from a PC or tablet running VU-NET control software. As well as monitoring and control of the system, EQ optimisations are uploaded from the program and cabinet firmware is checked and updated all via the intuitive graphical interface.

Both VU-NET and DISPLAY are free to download programs from the Martin Audio website.

martin-audio.com/support/software
Martin Audio's SX Series of subwoofers are designed to meet a multitude of installation and live sound application needs that call for increased impact and low frequency performance, partnering with our loudspeakers across the portfolio.

SX subwoofers offer a full complement passive and select self-powered options including everything from a slim line single 10" (SX110) for discreet install purposes through to the all-powerful chest thumping efficiency of the double-eighteen Hybrid® Horn/Reflex SXH218 suitable for concerts, festivals and nightclubs.
<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Frequency Response (1)</th>
<th>Driver</th>
<th>Rated Power (2)</th>
<th>Recommended Amplifier</th>
<th>Sensitivity (10)</th>
<th>Maximum SPL (9)</th>
<th>Nominal Impedance</th>
<th>Connector(s)</th>
<th>Fittings</th>
<th>Dimensions (Incl Feet)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SX110</td>
<td>Ultra-compact, direct radiating subwoofer</td>
<td>50Hz-150Hz ± 3dB</td>
<td>1 x 10” (250mm)/2” (50mm) voice coil, long excursion, ferrite magnet</td>
<td>250W AES, 1000W peak</td>
<td>VIA 2502</td>
<td>97dB</td>
<td>121dB continuous, 127dB peak (half space)</td>
<td>8 ohms</td>
<td>2 x NL4 type</td>
<td>12 x M8 inserts</td>
<td>(W) 417mm x (H) 297mm x (D) 415mm</td>
<td>12kg (26.5lbs)</td>
</tr>
<tr>
<td>SX112</td>
<td>Compact, single driver, direct radiating subwoofer</td>
<td>48Hz-150Hz ± 3dB, -10dB @ 42Hz</td>
<td>2 x 10” (250mm)/2” (50mm) voice coil, long excursion, ferrite magnet</td>
<td>500W AES, 2000W peak</td>
<td>VIA2002/5002/5004</td>
<td>103dB</td>
<td>127dB continuous, 133dB peak (half space)</td>
<td>8 ohms</td>
<td>2 x NL4 type</td>
<td>12 x M10 inserts</td>
<td>(W) 417mm x (H) 287mm x (D) 415mm</td>
<td>20kg (44.1lbs)</td>
</tr>
<tr>
<td>SX210</td>
<td>Slimline, direct radiating subwoofer</td>
<td>48Hz-150Hz ± 3dB</td>
<td>1 x 12” (300mm)/3” (75mm) voice coil, long excursion, ferrite magnet</td>
<td>400W AES, 1600W peak</td>
<td>iK81 / VIA2502/5002/5004</td>
<td>106dB</td>
<td>127dB continuous, 133dB peak (half space)</td>
<td>4 ohms</td>
<td>2 x NL4 type</td>
<td>12 x M10 inserts</td>
<td>(W) 487mm x (H) 390mm x (D) 410mm</td>
<td>21.5kg (47.3lbs)</td>
</tr>
<tr>
<td>SX212</td>
<td>Compact, dual-driver, direct radiating subwoofer</td>
<td>40Hz-150Hz ± 3dB, -10dB @ 42Hz</td>
<td>2 x 12” (300mm)/3” (75mm) voice coil, long excursion, ferrite magnet, waterproof cone</td>
<td>800W AES, 3200W peak</td>
<td>iK42 / VIA5002/5004</td>
<td>106dB</td>
<td>127dB continuous, 139dB peak (half space)</td>
<td>4 ohms</td>
<td>2 x NL4 type</td>
<td>12 x M10 inserts</td>
<td>(W) 872mm x (H) 390mm x (D) 437mm</td>
<td>39kg (86lbs)</td>
</tr>
</tbody>
</table>
### SXF115

**Type**: Compact, direct radiating subwoofer  
**Frequency Response (1)**: 50Hz – 150Hz ±3dB, -10dB @ 42Hz  
**Driver**: 15” (380mm)/4” (100mm) voice coil, ultra-long excursion, ferrite magnet  
**System Amplifier**: iKON iK42, iK81  
**Sensitivity (10)**: 103dB  
**Maximum SPL (6)**: 136dB peak  
**Nominal Impedance**: 4 ohms  
**Connectors**: 2 x NL4  
**Fittings**: Two skids on base, with mating channels on top  
**Dimensions (Incl Skids)**: (W) 500mm x (H) 509mm x (D) 574mm (725mm incl wheelboard)  
**Weight**: 45kg (99lbs)  

### SX118

**Type**: Compact, cardioid subwoofer  
**Frequency Response**: 47Hz – 150Hz ±3dB, -10dB @ 41Hz  
**Drivers**: 18” (460mm)/4” (100mm) voice coil, long excursion, ferrite magnet, waterproof cone  
**System Amplifier**: iKON iK42  
**Sensitivity**: 104dB  
**Maximum SPL**: 140dB peak  
**Nominal Impedance**: 8 ohms  
**Connectors**: 2 x NL4  
**Fittings**: Two skids on base, with mating channels on top  
**Dimensions (Incl Skids)**: (W) 600mm x (H) 603mm x (D) 824mm (952mm incl castors)  
**Weight**: 47kg (104lbs) with castors  

### SX218

**Type**: Dual-driver, direct radiating subwoofer  
**Frequency Response**: 35Hz – 150Hz ±3dB, -10dB @ 30Hz  
**Driver**: 2 x 18” (460mm)/4” (100mm) voice coil, long excursion, ferrite magnet, waterproof cone  
**System Amplifier**: iKON iK42  
**Sensitivity**: 105dB  
**Maximum SPL**: 144dB peak  
**Nominal Impedance**: 2 x 8 Ohms  
**Connectors**: 2 x NL4  
**Fittings**: Two skids on base, with mating channels on top  
**Dimensions (Incl Skids)**: (W) 1093mm x (H) 537mm x (D) 792mm (920mm including castors)  
**Weight**: 69kg (152lbs), 73kg (161lbs) incl castors  

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martin-audio.com/products/series/sx
### SXH218

**Type**: Hybrid® horn/reflex subwoofer

**Frequency Response (1)**: 32Hz – 150Hz ±3dB, -10dB @ 27Hz

**Drivers**: 2 x 18" (460mm)/4.5" (115mm) voice coil, long excursion, neodymium magnet, waterproof cone

**Rated Power (2)**: 3000W AES, 12000W peak

**Recommended Amplifier**: iKON iK42

**Sensitivity (1)**: 107dB

**Maximum SPL (3)**: 146dB peak (at 1m half space)

**Nominal Impedance**: 4 Ohms

**Dispersion (-6dB)**: Omnidirectional/or Cardioid (paired)

**Enclosure**: Multi-laminate birch/poplar ply

**Finish**: Textured Black Polyurea

**Protective Grille**: Black perforated steel

**Connectors**: 2 x NL4

**Pin Connections**: Input: +1/-1, refer to input panel for four-core cable link diagram

**Fittings**: Two skids on base, with mating channels on top
- Four rear-mounted 100mm (4in) castors
- 6 x bar handles, 3 on each side
- 4 x fittings for optional transit cover

**Dimensions (incl. skids)**:
- (W) 1112mm x (H) 609mm x (D) 1023mm (1151mm incl. castors)
- (W) 43.8in x (H) 24in x (D) 40.3in (45.3in incl. castors)

**Weight**: 120kg (264lbs), with castors 124kg (273lbs)

---

### SXP118

**Type**: Compact, direct radiating powered subwoofer with onboard DSP, networking & Dante

**Frequency Response**: 43Hz – 150Hz ±3dB, -10dB @ 30Hz

**Driver**: 18" (460mm)/4" (100mm) voice coil, long excursion, ferrite magnet, waterproof cone

**Input Sensitivity**: -30dBu for 100dB SPL

**Maximum SPL**: 132dB continuous / 135dB peak

**Dispersion**: Omnidirectional / or Cardioid (paired)

**Amplifier Type**: 2 channel switch-mode, class D, Bridged Tied Load

**Peak Output Power**: 4000W

**AC Input Operating Range**: 85 – 265V ~ AC, 50 - 60Hz

**Fittings**: Two skids on base, with mating channels on top
- 16 x M8 inserts for optional castors
- 24 x M10 mounting points
- 4x Bar handles, 1 on each side
- 4x fittings for optional transit cover
- Optional weather protection cowl
- M20 pole mount insert

**Accessories**: Transit Cover

**Dimensions (inc. castors)**:
- (W) 1112mm x (H) 609mm x (D) 1023mm (1151mm incl. castors)
- (W) 43.6in x (H) 24in x (D) 40.3in (45.3in incl. castors)

**Weight**: 120kg (264lbs), with castors 124kg (273lbs)

---

### SXP218

**Type**: Compact, direct radiating powered subwoofer with onboard DSP, networking & Dante

**Frequency Response**: 35Hz – 150Hz ±3dB, -10dB @ 30Hz

**Driver**: 18" (460mm)/4" (100mm) voice coil, long excursion, ferrite magnet, waterproof cone

**Input Sensitivity**: -30dBu for 100dB SPL

**Maximum SPL**: 140dB continuous / 143dB peak

**Dispersion**: Omnidirectional / or Cardioid (paired)

**Amplifier Type**: 2 channel switch-mode, class D, Bridged Tied Load

**Peak Output Power**: 4000W

**AC Input Operating Range**: 85 – 265V ~ AC, 50 - 60Hz

**Fittings**: Two skids on base, with mating channels on top
- 16 x M8 inserts for optional castors
- 24 x M10 mounting points
- 4x Bar handles, 2 on each side
- 4x fittings for optional transit cover
- Optional weather protection cowl
- M20 pole mount insert

**Accessories**: Transit Cover

**Dimensions (inc. castors)**:
- (W) 600mm x (H) 537mm x (D) 792mm (920mm)
- (W) 23.62in x (H) 20.87in x (D) 31.16in (36.20in)

**Weight**: 105kg (231lbs) excluding Transit cover

---

**SXP118**

**Type**: Compact, direct radiating powered subwoofer with onboard DSP, networking & Dante

**Frequency Response**: 43Hz – 150Hz ±3dB, -10dB @ 30Hz

**Driver**: 18" (460mm)/4" (100mm) voice coil, long excursion, ferrite magnet, waterproof cone

**Input Sensitivity**: -30dBu for 100dB SPL

**Maximum SPL**: 132dB continuous / 135dB peak

**Dispersion**: Omnidirectional / or Cardioid (paired)

**Amplifier Type**: 2 channel switch-mode, class D, Bridged Tied Load

**Peak Output Power**: 4000W

**AC Input Operating Range**: 85 – 265V ~ AC, 50 - 60Hz

**Fittings**: Two skids on base, with mating channels on top
- 16 x M8 inserts for optional castors
- 24 x M10 mounting points
- 4x Bar handles, 1 on each side
- 4x fittings for optional transit cover
- Optional weather protection cowl
- M20 pole mount insert

**Accessories**: Transit Cover

**Dimensions (inc. castors)**:
- (W) 600mm x (H) 537mm x (D) 792mm (920mm)
- (W) 23.62in x (H) 20.87in x (D) 31.16in (36.20in)

**Weight**: 105kg (231lbs) excluding Transit cover

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XE Series

Musicians benefit from an onstage environment where they sound great. Hearing their individual performance, as well as the overall sound of the other musicians with clarity, dynamism and presence is essential to a confident performance that unites the band onstage. This is the realm of the stage monitor — the vital bridge between the artist and the audience.

Martin Audio brings engineering innovation to stage monitoring with the XE Series — setting a new reference in sonic excellence and defined coverage. Designed in consultation with leading monitor engineers and combining sleek, low-profile enclosures with unique CDD™ Coaxial Differential Dispersion technology, the XE300 and XE500 deliver perfect monitor sound with a defined coverage pattern that allows the artist freedom of movement, while reducing overlap with adjacent monitors.

The patented Coaxial Differential Dispersion driver combined with a patent pending contour moulded static waveguide allows the artist to stand directly over the monitor or further back, without significant changes in SPL or tonal balance. It produces the optimal coverage pattern over a listening plane at head-height and helps to contain the sound within that region.

Designed as a complete system, the state of the art iKON 4 channel Class D amplifier maximises the capability of the monitor while ensuring both engineer and artist can be confident they will experience the same high level of consistent performance from an XE monitor anywhere in the world.
**XE500**

**TYPE**  
Two-way, bi-amp, Coaxial Differential Dispersion stage monitor

**FREQUENCY RESPONSE (3)**  
62Hz-18kHz ± 3dB  
-10dB @ 45Hz

**DRIVERS**  
LF: 15" (380mm)/3.5" (89mm) voice coil, dual-gap neodymium motor system  
HF: 1.4" (35mm) exit/3" (75mm) voice coil, titanium dome compression driver

**SYSTEM AMPLIFIER**  
iKON® iK42

**MAXIMUM SPL (9)**  
143dB peak

**NOMINAL IMPEDANCE**  
LF: 4 ohms, HF: 8ohms

**DISPERSION (-6dB)**  
60°-30° horizontal, 70° vertical

**CONNECTORS**  
4 x NL4 type

**FITTINGS**  
2 x bar handles  
Protective rubber feet on base and sides  
Built-in risers  
4 x M8 inserts

**DIMENSIONS INCL FEET**  
(W) 641mm x (H) 367mm x (D) 583mm  
(W) 25.2ins x (H) 14.4ins x (D) 22.9ins

**WEIGHT**  
29kg (63.9lbs)

---

**XE300**

**TYPE**  
Two-way, bi-amp/passive, Coaxial Differential Dispersion stage monitor

**FREQUENCY RESPONSE (3)**  
67Hz-18kHz ± 3dB  
-10dB @ 55Hz

**DRIVERS**  
LF: 12" (300mm)/3" (75mm) voice coil, dual-gap neodymium motor system  
HF: 1.4" (35mm) exit/3" (75mm) voice coil, titanium dome compression driver

**SYSTEM AMPLIFIER**  
iKON® iK42

**MAXIMUM SPL (9)**  
Bi-amp: 140dB peak. Passive: 139dB peak

**NOMINAL IMPEDANCE**  
LF/FR: 6 ohms, HF: 8ohms

**DISPERSION (-6dB)**  
60°-30° horizontal, 90° vertical

**CONNECTORS**  
4 x NL4 type

**FITTINGS**  
2 x pocket handles  
Protective rubber feet on base and sides  
Built-in risers  
4 x M8 inserts

**DIMENSIONS INCL FEET**  
(W) 556mm x (H) 293mm x (D) 470mm  
(W) 21.9ins x (H) 11.5ins x (D) 18.5ins

**WEIGHT**  
19kg (41.9lbs)

---

**iK42**

**TYPE**  
Four-channel Class D amplifier

**TOTAL OUTPUT POWER**  
20,000 Watts RMS, all channels driven

**DIGITAL SIGNAL PROCESSING**  
96kHz DSP on all inputs and outputs

**COOLING**  
Dual vari-speed fans, front-to-back airflow  
40°C (104°F)

**MAXIMUM AMBIENT TEMPERATURE**  
40°C (104°F)

**ANALOGUE IN/LINK (4 CHANNELS)**  
4 x female, 4 x male Neutrik™ XLR

**ANALOGUE INPUT IMPEDANCE**  
20kΩ balanced to ground

**MAXIMUM ANALOGUE INPUT LEVEL**  
+20dBu

**DANTE™ (4 CHANNELS)**  
2 x shielded RJ45, primary and secondary

**AMPLIFIER OUTPUTS**  
4 x Neutrik Speakon™ NL4

**TOPOLOGY**  
Ethernet

**CONTROL APPLICATION**  
Martin Audio VU-NET™

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**XE300**

**STAGE MONITORS : XE SERIES**

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LE Series

The stage monitor plays a key role in creating an onstage environment that connects performers to the audience. Martin Audio’s first LE monitor led the way to become the industry standard in the early 1970s, and LE monitors have continued to make their presence felt in the decades since. Complementing Martin Audio’s state-of-the-art, high-performance XE Series monitors, the latest LE Series now brings engineering innovation to everyday stage monitoring — delivering exceptional performance and controlled coverage at a price point not previously possible for a truly professional monitor.

Both the LE100 and the LE200 are designed for a wide range of users and applications — from up-and-coming bands and regional rental houses, to corporate AV events, HoW and fixed installations.

With extremely compact enclosures and unique CDD™ Coaxial Differential Dispersion technology, the LE Series monitors deliver cut-through sound with a coverage pattern that allows performers greater freedom of movement compared to conventional monitors. Instead of the typical ‘hot-spot’, they produce a near-rectangular coverage pattern over a listening plane at head-height — with a wide horizontal coverage close to the monitor that reduces gradually as distance increases to maintain consistent SPL and tonal balance.

Professional and affordable, the latest LE Series puts great sound, optimised coverage and the very latest in innovative monitor technology literally at your feet.
LE200

TYPE: Two-way, bi-amp/passive Coaxial Differential Dispersion stage monitor

FREQUENCY RESPONSE (3):
- LF: 60Hz-10kHz ± 3dB
- HF: -10dB @ 50Hz

DRIVERS:
- LF: 15" (380mm)/3" (75mm) voice coil, long excursion, shared ferrite motor system with HF
- HF: 1.4" (32mm) exit/3" (75mm) voice coil, titanium dome compression driver

RATED POWER (2):
- 400W AES, 1600W peak

RECOMMENDED AMPLIFIER:
- MA3.0, MA5.0Q

SENSITIVITY (3):
- LF: 100dB, HF: 103dB
- Passive: 100dB

MAXIMUM SPL (9):
- 133dB peak

NOMINAL IMPEDANCE:
- LF/FR: 8 ohms, HF: 8 ohms

DISPERSION (-6dB):
- 100°-60° horizontal, 60° vertical

CONNECTORS:
- 4 x NL4 type

FITTINGS:
- 2 x bar handles
- Protective rubber feet on base and sides
- 4 x M8 inserts

DIMENSIONS INCL FEET:
- (W) 616mm x (H) 367mm x (D) 562mm
- (W) 24.2ins x (H) 14.4ins x (D) 22.1ins

WEIGHT:
- 26kg (57.3lbs)

LE100

TYPE: Two-way passive, Coaxial Differential Dispersion stage monitor

FREQUENCY RESPONSE (3):
- LF: 78Hz-20kHz ± 3dB
- HF: -10dB @ 58Hz

DRIVERS:
- LF: 12" (300mm)/2.5" (63.5mm) voice coil, long excursion, shared ferrite motor system with HF
- HF: 1" (25mm) exit/1.7" (44mm) voice coil, polyimide dome compression driver

RATED POWER (2):
- 300W AES, 1200W peak

RECOMMENDED AMPLIFIER:
- MA2.0, MA3.0, MA5.0Q

SENSITIVITY (3):
- LF: 100dB, HF: 103dB
- Passive: 97dB

MAXIMUM SPL (9):
- 129dB peak

NOMINAL IMPEDANCE:
- 8 ohms

DISPERSION (-6dB):
- 110°-60° horizontal, 60° vertical

CONNECTORS:
- 5 x NL4 type

FITTINGS:
- 2 x pocket handles
- Protective rubber feet on base and sides
- 4 x M6 inserts
- Pole-mount socket

DIMENSIONS INCL FEET:
- (W) 496mm x (H) 305mm x (D) 472mm
- (W) 19.5ins x (H) 12.0ins x (D) 18.6ins

WEIGHT:
- 18kg (39.7lbs)
Until now, most self-powered portable loudspeakers have been underpowered, light-duty systems or very high-end systems out of reach of many users. Now, with the multi-purpose CDD-LIVE! Series, Martin Audio brings everything rental companies, systems integrators and musicians require from a self-powered loudspeaker into sharp focus.

Comprising three full-range models and when complimented by SXP subwoofers, CDD-LIVE! covers practically all professional stand-alone and distributed applications — from sound reinforcement and monitoring for live bands, DJ’s and corporate events, to installations in dance clubs, ballrooms, theatres and performing arts centres.

Combining the ‘point-source’ benefits of coaxial designs with the consistent coverage of Differential Dispersion technology, CDD-LIVE! full-range systems project sound evenly front-to-back while exhibiting wide horizontal coverage close to the speaker — delivering ultimate fidelity and impact to all corners of the audience.

Onboard Class D amplification, DSP and Dante™ Digital Audio networking assure simplicity of stage set-up and efficient installation, while tour-grade enclosures and comprehensive mounting options — including pole mount, wall brackets, yokes and rigging inserts — provide maximum flexibility in deployment.

With sonic consistency across the range, a rectangular coverage footprint and a multitude of deployment options, CDD-LIVE! is truly versatile — the professional self-powered solution that means business.

CDD-LIVE! ‘The Sound of Things to Come’
CDD-LIVE 8

**TYPE**
Ultra-compact, Coaxial Differential Dispersion powered two-way system with onboard DSP, networking & Dante

**FREQUENCY RESPONSE**
70Hz – 20kHz ± 3dB, -10dB @ 50Hz

**DRIVER**
LF: 8" (200mm)/2" (50mm) voice coil, long excursion, shared ferrite motor system with HF
HF: 1" (25mm) exit/1.4" (38mm) voice coil, polyimide dome compression driver

**INPUT SENSITIVITY**
-26dBu for 100dB SPL

**MAXIMUM SPL**
112dB continuous / 132dB peak

**DISPERSION**
110° - 60° horizontal, 60° vertical (user-rotatable)

**AMPLIFIER TYPE**
2 channel switch-mode, class D

**PEAK OUTPUT POWER**
1000W LF, 300W HF

**AC INPUT OPERATING RANGE**
85 – 265V — AC, 50 - 60Hz

**FITTINGS**
Top hat for pole mounting
15 x M8 mounting points
Single pocket handle
Optional weather protection cowl

**ACCESSORIES**
Transit Cover. Optional wall, yoke and universal brackets

**DIMENSIONS**
(W) 258mm x (H) 428mm x (D) 254mm
(W) 10.16in x (H) 16.85in x (D) 10.00in

**WEIGHT**
14kg (30.8lbs) excluding Transit cover

CDD-LIVE 12

**TYPE**
Ultra-compact, Coaxial Differential Dispersion powered two-way system with onboard DSP, networking & Dante

**FREQUENCY RESPONSE**
55Hz – 20kHz ± 3dB, -10dB @ 45Hz

**DRIVER**
LF: 15" (380mm)/3" (75mm) voice coil, long excursion, shared ferrite motor system with HF
HF: 1.4" (36mm) exit/3" (75mm) voice coil, titanium dome compression driver

**INPUT SENSITIVITY**
-30dBu for 100dB SPL

**MAXIMUM SPL**
117dB continuous / 132dB peak

**DISPERSION**
100°-60° horizontal, 60° vertical (user-rotatable)

**AMPLIFIER TYPE**
2 channel switch-mode, class D, Bridged Tied Load + 1 channel switch-mode, class D

**PEAK OUTPUT POWER**
2000W LF, 500W HF

**AC INPUT OPERATING RANGE**
85 – 265V — AC, 50 - 60Hz

**FITTINGS**
Top hat for pole mounting
15 x M8 mounting points
Two side pocket handles
Optional weather protection cowl

**ACCESSORIES**
Transit Cover. Optional wall, yoke and universal brackets

**DIMENSIONS**
(W) 359mm x (H) 580mm x (D) 373mm
(W) 14.13in x (H) 22.83in x (D) 14.69in

**WEIGHT**
28kg (61.6lbs) excluding Transit cover

CDD-LIVE 15

**TYPE**
Ultra-compact, Coaxial Differential Dispersion powered two-way system with onboard DSP, networking & Dante

**FREQUENCY RESPONSE**
55Hz – 20kHz ± 3dB, -10dB @ 45Hz

**DRIVER**
LF: 15" (380mm)/3" (75mm) voice coil, long excursion, shared ferrite motor system with HF
HF: 1.4" (36mm) exit/3" (75mm) voice coil, titanium dome compression driver

**INPUT SENSITIVITY**
-30dBu for 100dB SPL

**MAXIMUM SPL**
126dB continuous / 132dB peak

**DISPERSION**
100°-60° horizontal, 60° vertical (user-rotatable)

**AMPLIFIER TYPE**
2 channel switch-mode, class D, Bridged Tied Load + 1 channel switch-mode, class D

**PEAK OUTPUT POWER**
2000W LF, 500W HF

**AC INPUT OPERATING RANGE**
85 – 265V — AC, 50 - 60Hz

**FITTINGS**
Top hat for pole mounting
15 x M8 mounting points
Two side pocket handles
Optional weather protection cowl

**ACCESSORIES**
Transit Cover. Optional wall, yoke and universal brackets

**DIMENSIONS**
(W) 359mm x (H) 580mm x (D) 373mm
(W) 14.13in x (H) 22.83in x (D) 14.69in

**WEIGHT**
37kg (81.4lbs) excluding Transit cover

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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.

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.
### XP12

<table>
<thead>
<tr>
<th>Type</th>
<th>Compact self-powered two-way system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Response</td>
<td>62Hz – 20kHz ±3dB</td>
</tr>
</tbody>
</table>
| Drivers               | LF: 12" (300mm)/2.5" (63.5mm) voice coil, ferrite motor system  
HF: 1" (25mm) exit/1.7" (44mm) voice coil, polyimide dome compression driver |
| Maximum SPL           | 122dB continuous, 128dB peak         |
| Dispersion            | 80° H x 50° V (user-rotatable)       |
| Crossover             | 2.3kHz active, 24dB/octave           |
| Amplifier Type        | 2 channel switch-mode, class D       |
| Peak Output Power     | 1300W total                          |
| AC Input Operating Range | 100-240V AC, 50 - 60Hz             |
| Fittings              | 17 x M8 inserts, pole-mount socket, 2 x pocket handles  |
| Dimensions            | (W) 358mm x (H) 574mm x (D) 318mm   |
| Weight                | 18kg (40lbs)                         |

### XP118

<table>
<thead>
<tr>
<th>Type</th>
<th>Compact, direct radiating powered subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Response</td>
<td>42Hz – 150Hz ±3dB</td>
</tr>
<tr>
<td>Driver</td>
<td>18&quot; (460mm)/4&quot; (100mm) voice coil, long excursion, ferrite magnet</td>
</tr>
<tr>
<td>Maximum SPL</td>
<td>131dB continuous / 137dB peak (half space)</td>
</tr>
<tr>
<td>Dispersion</td>
<td>Omnidirectional</td>
</tr>
<tr>
<td>Crossover</td>
<td>100Hz, active</td>
</tr>
<tr>
<td>Amplifier Type</td>
<td>Class D, Bridged Tied</td>
</tr>
<tr>
<td>Peak Output Power</td>
<td>2000W total</td>
</tr>
<tr>
<td>AC Input Operating Range</td>
<td>100 – 240V AC, 50 - 60Hz</td>
</tr>
<tr>
<td>Fittings</td>
<td>16 x M10 inserts, pole-mount socket</td>
</tr>
<tr>
<td>Dimensions</td>
<td>(W) 662mm x (H) 536mm x (D) 640mm</td>
</tr>
<tr>
<td>Weight</td>
<td>44kg (97lbs)</td>
</tr>
</tbody>
</table>

### XP15

<table>
<thead>
<tr>
<th>Type</th>
<th>High output, self-powered two-way system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Response</td>
<td>55Hz – 20kHz ±3dB</td>
</tr>
</tbody>
</table>
| Drivers               | LF: 15" (380mm)/2" (75mm) voice coil ferrite motor system  
HF: 1" (25mm) exit/1.7" (44mm) voice coil, polyimide dome compression driver |
| Maximum SPL           | 125dB continuous / 131dB peak             |
| Dispersion            | 80° H x 50° V (user-rotatable)            |
| Crossover             | 2kHz active, 24dB/octave                  |
| Amplifier Type        | 2 channel switch-mode, class D            |
| Peak Output Power     | 1300W total                               |
| AC Input Operating Range | 100-240V AC, 50 - 60Hz               |
| Fittings              | 13 x M8 inserts, pole-mount socket, 2 x pocket handles  |
| Dimensions            | (W) 427mm x (H) 699mm x (D) 407mm         |
| Weight                | 26kg (57lbs)                              |

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The TH Series consists of two, very high performance, all-horn, three-way systems. Each is configured in a single wide-bandwidth package with extended frequency response and very high output capability.

Ideally suited to larger club applications and large scale installs, the TH Series also aesthetically complements the CDD, BlacklineX and SX subwoofer ranges.

Horn-loading the bass and midrange sections as well as the high-frequency section maximizes the efficiency of all bands, resulting in exceptional impact and output from a single enclosure. Bi-amp operation, with an internal passive network for the mid/high crossover, ensures the most effective use of available amplifier power.

Sonically, TH Series systems deliver the Martin Audio signature sound of warmth, clarity and smooth response at high levels with ease.

THH is a horizontally formatted system while THV is a vertically formatted system.

[Image of TH Series speakers]
### THV

**TYPE**  
Three-way bi-amp trapezoid Hybrid® fully horn loaded

**FREQUENCY RESPONSE (5)**  
50Hz-18kHz ± 3dB

**DRIVERS**  
- 15” (380mm)/4” (100mm) coil bass driver  
- 10” (250mm)/2.5” (63.5mm) coil mid driver  
- 1” (25mm) exit HF compression driver

**RATED POWER (2)**  
- LF: 750W AES, 3000W peak  
- MF + HF: 300W AES, 1200W peak

**RECOMMENDED AMPLIFIER**  
iK42 / VIA5002/5004

**SENSITIVITY (6)**  
- LF: 104dB  
- MF + HF: 104dB

**MAXIMUM SPL (9)**  
- LF: 133dB continuous, 139dB peak  
- MF + HF: 133dB continuous, 139dB peak

**NOMINAL IMPEDANCE**  
- LF: 8 ohms  
- MF + HF: 8 ohms

**DISPERSION (-6dB)**  
- 70˚ horizontal, 40˚ vertical

**CROSSOVER**  
- 200Hz active, 2kHz passive

**ENCLOSURE**  
250 litre, multi-laminate birch ply

**FINISH**  
Textured black paint

**PROTECTIVE GRILLE**  
Black perforated steel

**CONNECTORS**  
2 x Neutrik NL4

**PIN CONNECTIONS**  
- LF+,- : 1+,1-  
- (MF + HF) +,- : 2+,2-

**FITTINGS**  
12 x M10 inserts, 4 x 4” (100mm) castors, 4 x pocket handles

**DIMENSIONS (inc wheels)**  
- (W) 558mm x (H) 1067mm x (D) 780mm (908mm)  
- (W) 22ins x (H) 42ins x (D) 30.7ins (35.7ins)

**WEIGHT**  
77.5kg (170.5lbs)

---

### THH

**TYPE**  
Three-way bi-amp trapezoid Hybrid® fully horn loaded

**FREQUENCY RESPONSE (5)**  
50Hz-18kHz ± 3dB

**DRIVERS**  
- 15” (380mm)/4” (100mm) coil bass driver  
- 10” (250mm)/2.5” (63.5mm) coil mid driver  
- 1” (25mm) exit HF compression driver

**RATED POWER (2)**  
- LF: 750W AES, 3000W peak  
- MF + HF: 300W AES, 1200W peak

**RECOMMENDED AMPLIFIER**  
iK42 / VIA5002/5004

**SENSITIVITY (6)**  
- LF: 104dB  
- MF + HF: 104dB

**MAXIMUM SPL (9)**  
- LF: 133dB continuous, 139dB peak  
- MF + HF: 133dB continuous, 139dB peak

**NOMINAL IMPEDANCE**  
- LF: 8 ohms  
- MF + HF: 8 ohms

**DISPERSION (-6dB)**  
- 70˚ horizontal, 40˚ vertical

**CROSSOVER**  
- 200Hz active, 2kHz passive

**ENCLOSURE**  
250 litre, multi-laminate birch ply

**FINISH**  
Textured black paint

**PROTECTIVE GRILLE**  
Black perforated steel

**CONNECTORS**  
2 x Neutrik NL4

**PIN CONNECTIONS**  
- LF+,- : 1+,1-  
- (MF + HF) +,- : 2+,2-

**FITTINGS**  
12 x M10 inserts, 4 x 4” (100mm) castors, 4 x pocket handles

**DIMENSIONS (inc wheels)**  
- (W) 1067mm x (H) 558mm x (D) 780mm (908mm)  
- (W) 42ins x (H) 22ins x (D) 30.7ins (35.7ins)

**WEIGHT**  
77.5kg (170.5lbs)

---

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The XD Series loudspeakers are the perfect solution for high-power applications where flexibility, ease of installation and speed of deployment are important factors. The versatile, multi-angle enclosures and rotatable horns facilitate either horizontal or vertical orientation, and comprehensive brackets support the full variety of mounting options. Integral M8 inserts increase the options even further. When configured horizontally, the XD15 and XD12 are also ideal as compact, high-output stage monitors.

The XD15 and XD12 LF drivers both feature neodymium motor systems which combine high sensitivity with low weight and advanced cooling to reduce power compression to negligible levels, and the HF compression drivers feature ultra-high flux neodymium magnet systems for maximum efficiency. The tour-grade plywood enclosures are coated in hard-wearing polyurethane and have pre-curved Declon® backed perforated steel grilles.

The XD Series loudspeakers deliver best-in-class performance, including higher output levels and more extended frequency range than is normally associated with similarly-sized systems.

XD Series – the new benchmark for the compact two-way format.
**XD15**

**TYPE**

Very high-output, passive/bi-amp, two-way system

**FREQUENCY RESPONSE (6)**

55Hz-18kHz ± 3dB, -10dB @ 45Hz

**DRIVERS**

15" (380mm)/4" (100mm) voice coil, long excursion, neodymium magnet LF driver

1.4" (35mm) exit/3" (75mm) voice coil, titanium dome, neodymium magnet HF compression driver

**RATED POWER (2)**

FR/LF: 600W AES, 2400W peak

HF: 80W AES, 320W peak

**SENSITIVITY (6)**

FR: 96dB

LF: 100dB

HF: 110dB

**MAXIMUM SPL (9)**

FR: 126dB continuous, 132dB peak

LF: 127dB continuous, 133dB peak

HF: 127dB continuous, 133dB peak

**NOMINAL IMPEDANCE**

FR/LF: 8 ohms, HF: 16 ohms

**DISPERSION (-6dB)**

80º horizontal, 50º vertical user rotatable

**CONNECTORS**

2 x Neutrik® NL4

**FITTINGS**

17 x M8 threaded inserts

1 x Pole mount socket

2 x Pocket handles

**DIMENSIONS**

(W) 429mm x (H) 690mm x (D) 414mm

(W) 16.9ins x (H) 27.2ins x (D) 16.3ins

**WEIGHT**

32kg (70.5lbs)

---

**XD12**

**TYPE**

Compact, high output, passive/bi-amp, two-way system

**FREQUENCY RESPONSE (6)**

65Hz-20kHz ± 3dB, -10dB @ 55Hz

**DRIVERS**

12" (300mm)/3" (75mm) voice coil, long excursion, neodymium magnet LF driver

1" (25mm) exit/1.7" (44mm) voice coil, titanium dome, neodymium magnet HF compression driver

**RATED POWER (2)**

FR/LF: 400W AES, 1600W peak

HF: 50W AES, 200W peak

**SENSITIVITY (6)**

FR: 98dB

LF: 99dB

HF: 108dB

**MAXIMUM SPL (9)**

FR: 124dB continuous, 130dB peak

LF: 125dB continuous, 131dB peak

HF: 125dB continuous, 131dB peak

**NOMINAL IMPEDANCE**

FR/LF: 8 ohms, HF: 16 ohms

**DISPERSION (-6dB)**

80º horizontal, 50º vertical user rotatable

**CONNECTORS**

2 x Neutrik® NL4

**FITTINGS**

21 x M8 threaded inserts

1 x Pole mount socket

1 x Pocket handle

**DIMENSIONS**

(W) 360mm x (H) 571mm x (D) 341mm

(W) 14.2ins x (H) 22.5ins x (D) 13.4ins

**WEIGHT**

19.5kg (43lbs)
PASSIVE POINT SOURCE : CDD SERIES

CDD Series

Martin Audio brings engineering innovation to installed sound with the all-new CDD™ Series — combining distinctive curved enclosures with unique Coaxial Differential Dispersion™ technology to deliver class-leading performance, fidelity and coverage consistency to venues that demand the ultimate in cutting-edge technology and style.

Whether it’s a bar, an AV installation, a church or a prestige nightclub — the CDD Series has it covered. CDD is the one-stop solution; six two-way full-range coaxial systems — from the micro CDD5 to the powerful CDD15, complemented by high-performance subwoofers — cover practically all install applications.

The CDD Series has the audience covered too. Coaxial Differential Dispersion technology delivers more consistent audience coverage than systems with X° x Y° horns — projecting more output to the rear of the audience to distribute sound evenly front-to-back, while having wide horizontal coverage close-up.

Visually-appealing enclosure design is a signature of the CDD Series. The full-range enclosures can be used in either horizontal or vertical orientation, with rotation of the coaxial driver easily accomplished by removing the screw-free, protective grille. The curved shape of each full-range enclosure allows it to be discreetly mounted close to a wall and threaded inserts are provided for eyebolt suspension of most models.

The CDD Series — the shape of things to come.

martin-audio.com/products/series/cdd
CDD5

**TYPE**
Ultra-compact, Coaxial Differential Dispersion passive two-way system

**FREQUENCY RESPONSE (5)**
100Hz-20kHz ± 3dB, -10dB @ 70Hz

**COAXIAL DRIVER**
- LF: 5.25" (130mm)/1.25" (32mm) voice coil, long excursion, ferrite motor system
- HF: 0.75" (19mm) voice coil, fabric dome with neodymium motor system

**RATED POWER (2)**
100W AES, 400W peak

**SENSITIVITY (8)**
94dB

**MAXIMUM SPL (9)**
117dB continuous, 123dB peak

**NOMINAL IMPEDANCE**
8 ohms

**DISPERSION (-6dB)**
110º-80º horizontal, 60º vertical (user-rotatable)

**CONNECTORS**
Low profile 13A push-lock

**FITTINGS**
6 x M6 inserts for wall/ceiling brackets

**DIMENSIONS**
(W) 256mm x (H) 410mm x (D) 252mm

**WEIGHT**
9.5kg (21lbs)

CDD5 is supplied with wall mount tilt/pan bracket

CDD8

**TYPE**
Ultra-compact, Coaxial Differential Dispersion passive two-way system

**FREQUENCY RESPONSE (5)**
70Hz-20kHz ± 3dB, -10dB @ 55Hz

**COAXIAL DRIVER**
- LF: 8" (200mm)/2" (50mm) voice coil, long excursion, shared ferrite motor system with HF
- HF: 1" (25mm) exit/1.4" (38mm) voice coil, polymide dome compression driver

**RATED POWER (2)**
200W AES, 800W peak

**SENSITIVITY (8)**
94dB

**MAXIMUM SPL (9)**
117dB continuous, 123dB peak

**NOMINAL IMPEDANCE**
8 ohms

**DISPERSION (-6dB)**
110º-80º horizontal, 60º vertical (user-rotatable)

**CONNECTORS**
Low profile 13A push-lock

**FITTINGS**
6 x M6 inserts for wall/ceiling brackets

**DIMENSIONS**
(W) 210mm x (H) 325mm x (D) 210mm

**WEIGHT**
5.5kg (12.1lbs)

CDD6

**TYPE**
Ultra-compact, Coaxial Differential Dispersion passive two-way system

**FREQUENCY RESPONSE (5)**
80Hz-20kHz ± 3dB, -10dB @ 70Hz

**COAXIAL DRIVER**
- LF: 6.5" (165mm)/1.5" (38mm) voice coil, long excursion, ferrite motor system
- HF: 1" (25mm) voice coil, fabric dome with neodymium motor system

**RATED POWER (2)**
150W AES, 600W peak

**SENSITIVITY (8)**
91dB

**MAXIMUM SPL (9)**
113dB continuous, 119dB peak

**NOMINAL IMPEDANCE**
8 ohms

**DISPERSION (-6dB)**
120º-90º horizontal, 80º vertical (user-rotatable)

**CONNECTORS**
Low profile 13A push-lock

**FITTINGS**
4 x M5 inserts for wall/ceiling brackets, 10 x M8 fly points

**DIMENSIONS**
(W) 160mm x (H) 230mm x (D) 149mm

**WEIGHT**
3kg (6.6lbs)

CDD10

**TYPE**
Compact, Coaxial Differential Dispersion passive two-way system

**FREQUENCY RESPONSE (2)**
65Hz-20kHz ± 3dB, -10dB @ 55Hz

**COAXIAL DRIVER**
- LF: 10" (250mm)/2.5" (63.5mm) voice coil, long excursion, shared ferrite motor system with HF
- HF: 1" (25mm) exit/1.4" (38mm) voice coil, polymide dome compression driver

**RATED POWER (2)**
250W AES, 1000W peak

**SENSITIVITY (8)**
96dB

**MAXIMUM SPL (9)**
120dB continuous, 126dB peak

**NOMINAL IMPEDANCE**
8 ohms

**DISPERSION (-6dB)**
110º-75º horizontal, 60º vertical (user-rotatable)

**CONNECTORS**
Low profile 20A push-lock

**FITTINGS**
6 x M6 inserts for wall/ceiling brackets, 10 x M6 fly points

**DIMENSIONS**
(W) 323mm x (H) 513mm x (D) 310mm

**WEIGHT**
15.3kg (33.7lbs)

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# CDD12

| TYPE | Compact, high-output, Coaxial Differential Dispersion passive two-way system |
| FREQUENCY RESPONSE (5) | 62Hz-20kHz ± 3dB, -10dB @ 50Hz |
| COAXIAL DRIVER | LF: 12" (300mm)/2.5" (63.5mm) voice coil, long excursion, shared ferrite motor system with HF |
| | HF: 1" (25mm) exit/1.7" (44mm) voice coil, polyimide dome compression driver |
| RATED POWER (2) | 300W AES, 1200W peak |
| SENSITIVITY (8) | 97dB |
| MAXIMUM SPL (9) | 122dB continuous, 128dB peak |
| NOMINAL IMPEDANCE | 8 ohms |
| DISPERSION (-6dB) | 110º-60º horizontal, 60º vertical (user-rotatable) |
| CONNECTORS | Low profile 20A push-lock |
| FITTINGS | 6 x M8 inserts for wall/ceiling brackets, 10 x M8 fly points |
| DIMENSIONS | (W) 360mm x (H) 571mm x (D) 350mm |
| | (W) 14.2ins x (H) 22.5ins x (D) 13.8ins |
| WEIGHT | 19.3kg (42.5lbs) |

# CDD15

| TYPE | High-output, Coaxial Differential Dispersion passive two-way system |
| FREQUENCY RESPONSE (5) | 55Hz-18kHz ± 3dB, -10dB @ 50Hz |
| COAXIAL DRIVER | LF: 15" (380mm)/3" (75mm) voice coil, long excursion, shared ferrite motor system with HF |
| | HF: 1.4" (36mm) exit/3" (75mm) voice coil, titanium dome compression driver |
| RATED POWER (2) | 400W AES, 1600W peak |
| SENSITIVITY (8) | 100dB |
| MAXIMUM SPL (9) | 126dB continuous, 132dB peak |
| NOMINAL IMPEDANCE | 8 ohms |
| DISPERSION (-6dB) | 100º-60º horizontal, 60º vertical (user-rotatable) |
| CONNECTORS | Low profile 20A push-lock |
| FITTINGS | 10 x M8 fly points |
| DIMENSIONS | (W) 429mm x (H) 691mm x (D) 413mm |
| | (W) 16.9ins x (H) 27.2ins x (D) 16.3ins |
| WEIGHT | 27.7kg (61lbs) |
CDD Weatherised and Marine Editions

The CDD Series in black or white is also available in weather-resistant form. Like many systems on the market, CDD-WR loudspeakers and CSX-WR subwoofers are designed for outdoor operation where it will be subject to changing environmental conditions, but sheltered from direct exposure to the elements. Weatherised mounting brackets are also available.

CDD is also available to custom order as a Marine variant, ideally suited to cruise ships and seaside resort applications. It takes the weatherised cabinet and upgrades both the grille and all metal work to stainless steel 316L.
## CDD5TX-WR
### With Line Transformer

**Type**: Ultra-compact, Coaxial Differential Dispersion passive two-way system

**Frequency Response (5)**
- 100Hz-20kHz ± 3dB, -10dB @ 70Hz

**Coaxial Driver**
- LF: 5.25” (130mm)/1.25” (32mm) voice coil, long excursion, ferrite motor system
- HF: 0.75” (19mm) voice coil, fabric dome with neodymium motor system

**Rated Power (2)**
- 100W AES, 400W peak

**Sensitivity (8)**
- 96dB

**Maximum Spl (9)**
- 117dB continuous, 123dB peak

**Nominal Impedance**
- 8 ohms

**Dispersion (-6dB)**
- 110º-75º horizontal, 60º vertical (user-rotatable)

**Protective Grille**
- Zinc plated mild steel with powder coated finish and weatherised backing

**Environmental Connectors**
- Rated at IP54

**Fittings**
- 4 x M5 inserts for wall/ceiling brackets

**Dimensions**
- (W) 210mm x (H) 325mm x (D) 210mm

**Weight**
- 6.5kg (14.3lbs)

CDD5 is supplied with wall mount tilt/pan bracket.

---

## CDD8-WR

**Type**: Ultra-compact, Coaxial Differential Dispersion passive two-way system

**Frequency Response (5)**
- 80Hz-20kHz ± 3dB, -10dB @ 70Hz

**Coaxial Driver**
- LF: 6.5” (165mm)/1.5” (38mm) voice coil, long excursion, ferrite motor system
- HF: 1” (25mm) voice coil, fabric dome with neodymium motor system

**Rated Power (2)**
- 150W AES, 600W peak

**Sensitivity (8)**
- 91dB

**Maximum Spl (9)**
- 117dB continuous, 123dB peak

**Nominal Impedance**
- 8 ohms

**Dispersion (-6dB)**
- 110º-80º horizontal, 80º vertical (user-rotatable)

**Protective Grille**
- Zinc plated mild steel with powder coated finish and weatherised backing

**Environmental Connectors**
- Rated at IP54

**Fittings**
- 6 x M6 inserts for wall/ceiling brackets

**Dimensions**
- (W) 210mm x (H) 325mm x (D) 210mm

**Weight**
- 6.5kg (14.3lbs)

---

## CDD6TX-WR
### With Line Transformer

**Type**: Ultra-compact, Coaxial Differential Dispersion passive two-way system

**Frequency Response (5)**
- 65Hz-20kHz ± 3dB, -10dB @ 70Hz

**Coaxial Driver**
- LF: 10” (250mm)/2.5” (63.5mm) voice coil, long excursion, ferrite ferrite motor system
- HF: 1” (25mm) voice coil, fabric dome with neodymium motor system

**Rated Power (2)**
- 250W AES, 1000W peak

**Sensitivity (8)**
- 96dB

**Maximum Spl (9)**
- 120dB continuous, 126dB peak

**Nominal Impedance**
- 8 ohms

**Dispersion (-6dB)**
- 110º-75º horizontal, 60º vertical (user-rotatable)

**Protective Grille**
- Zinc plated mild steel with powder coated finish and weatherised backing

**Environmental Connectors**
- Rated at IP54

**Fittings**
- 6 x M6 inserts for wall/ceiling brackets

**Dimensions**
- (W) 323mm x (H) 513mm x (D) 310mm

**Weight**
- 15.5kg (34.2lbs)

---

## CDD10-WR

**Type**: Compact, Coaxial Differential Dispersion passive two-way system

**Frequency Response (2)**
- 65Hz-20kHz ± 3dB, -10dB @ 55Hz

**Coaxial Driver**
- LF: 10” (250mm)/2.5” (63.5mm) voice coil, long excursion, ferrite motor system
- HF: 1” (25mm) voice coil, fabric dome with neodymium motor system

**Rated Power (2)**
- 250W AES, 1000W peak

**Sensitivity (8)**
- 96dB

**Maximum Spl (9)**
- 120dB continuous, 126dB peak

**Nominal Impedance**
- 8 ohms

**Dispersion (-6dB)**
- 110º-75º horizontal, 60º vertical (user-rotatable)

**Protective Grille**
- Zinc plated mild steel with powder coated finish and weatherised backing

**Environmental Connectors**
- Rated at IP54

**Fittings**
- 6 x M6 inserts for wall/ceiling brackets, 10 x M8 fly points

**Dimensions**
- (W) 323mm x (H) 513mm x (D) 310mm

**Weight**
- 15.5kg (34.2lbs)
## CDD12-WR

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Compact, high-output, Coaxial Differential Dispersion passive two-way system</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RESPONSE (5)</td>
<td>62Hz-20kHz ± 3dB, -10dB @ 50Hz</td>
</tr>
</tbody>
</table>
| COAXIAL DRIVER | LF: 12" (300mm)/2.5" (63.5mm) voice coil, long excursion, shared ferrite motor system with HF
| | HF: 1" (25mm) exit/1.7" (44mm) voice coil, polyimide dome compression driver |
| RATED POWER (2) | 300W AES, 1200W peak |
| SENSITIVITY (8) | 97dB |
| MAXIMUM SPL (9) | 122dB continuous, 128dB peak |
| NOMINAL IMPEDANCE | 8 ohms |
| DISPERSION (-6dB) | 110º-60º horizontal, 60º vertical (user-rotatable) |
| PROTECTIVE GRILLE | Zinc plated mild steel with powder coated finish and weatherised backing |
| ENVIRONMENTAL | Rated at IP54 |
| CONNECTORS | Low profile 20A push-lock, weatherproof input panel cover with cable gland |
| FITTINGS | 6 x M8 inserts for wall/ceiling brackets, 10 x M8 fly points |
| DIMENSIONS | (W) 360mm x (H) 571mm x (D) 350mm
| | (W) 14.2ins x (H) 22.5ins x (D) 13.8ins |
| WEIGHT | 19.8kg (43.65lbs) |

## CDD15-WR

<table>
<thead>
<tr>
<th>TYPE</th>
<th>High-output, Coaxial Differential Dispersion passive two-way system</th>
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<tbody>
<tr>
<td>FREQUENCY RESPONSE (5)</td>
<td>55Hz-18kHz ± 3dB, -10dB @ 45kHz</td>
</tr>
</tbody>
</table>
| COAXIAL DRIVER | LF: 15" (380mm)/3" (75mm) voice coil, long excursion, shared ferrite motor system with HF
| | HF: 1.4" (36mm) exit/3" (75mm) voice coil, titanium dome compression driver |
| RATED POWER (2) | 400W AES, 1600W peak |
| SENSITIVITY (8) | 100dB |
| MAXIMUM SPL (9) | 126dB continuous, 132dB peak |
| NOMINAL IMPEDANCE | 8 ohms |
| DISPERSION (-6dB) | 100º-60º horizontal, 60º vertical (user-rotatable) |
| PROTECTIVE GRILLE | Zinc plated mild steel with powder coated finish and weatherised backing |
| ENVIRONMENTAL | Rated at IP54 |
| CONNECTORS | Low profile 20A push-lock, weatherproof input panel cover with cable gland |
| FITTINGS | 10 x M8 fly points |
| DIMENSIONS | (W) 429mm x (H) 691mm x (D) 413mm
| | (W) 16.9ins x (H) 27.2ins x (D) 16.3ins |
| WEIGHT | 28.3kg (62.4lbs) |
BlacklineX Series

With BlacklineX, Martin Audio’s R&D team has engineered a classic suite of passive loudspeakers for the modern era.

Delivering our signature sound of warmth, nuance and clarity at a price point not previously possible, BlacklineX is a clean, smart design with no-compromise between the needs of installation and portability. Applications range from portable sound reinforcement and stage monitoring for live bands, DJ’s and corporate events, to installations in nightclubs, bars, commercial spaces and HoW [House of Worship].

Comprising four two-way systems — from the ultra-compact X8 to the powerful X15 — and three subwoofers, including an unobtrusive slimline model, the multi-purpose BlacklineX Series raises the performance of loudspeaker systems in its class to a new level.

BlacklineX can also be supplemented with the Blackline+ high power performance loudspeakers and subwoofer, ideally suited for thumping club performance and large scale installations.
## X8

**Type**: Ultra-compact, passive two-way system

**Frequency Response (5)**
- 70Hz-20kHz ± 3dB
- -10dB @ 60Hz

**Drivers**
- LF: 8” (200mm)/2” (50mm) voice coil, ferrite motor system
- HF: 1” (25mm) exit/1” (25mm) voice coil, polyester dome compression driver

**Rated Power (2)**
200W AES, 800W peak

**Sensitivity (8)**
92dB

**Maximum SPL (9)**
115dB continuous, 121dB peak

**Nominal Impedance**
8 ohms

**Dispersion (6dB)**
90° H x 50° V (user-rotatable)

**Connectors**
2 x NL4 type

**Fittings**
13 x M8, 6 x M6 inserts, pole-mount socket, 1 x pocket handle

**Dimensions**
(W) 257mm x (H) 422mm x (D) 243mm

**Weight**
8kg (17.6lbs)

---

## X10

**Type**: Compact, passive two-way system

**Frequency Response (5)**
- 65Hz-20kHz ± 3dB
- -10dB @ 55Hz

**Drivers**
- LF: 10” (250mm)/2.5” (63.5mm) voice coil, ferrite motor system
- HF: 1” (25mm) exit/1.4” (35mm) voice coil, polyimide dome compression driver

**Rated Power (2)**
250W AES, 1000W peak

**Sensitivity (8)**
94dB

**Maximum SPL (9)**
118dB continuous, 124dB peak

**Nominal Impedance**
8 ohms

**Connectors**
2 x NL4 type

**Fittings**
19 x M8 inserts, pole-mount socket, 1 x bar handle

**Dimensions**
(W) 324mm x (H) 522mm x (D) 289mm

**Weight**
14kg (30.9lbs)

---

## X12

**Type**: Compact, passive two-way system

**Frequency Response (5)**
- 62Hz-20kHz ± 3dB
- -10dB @ 50Hz

**Drivers**
- LF: 12” (300mm)/2.5” (63.5mm) voice coil, ferrite motor system
- HF: 1” (25mm) exit/1.7” (44mm) voice coil, polyimide dome compression driver

**Rated Power (2)**
300W AES, 1200W peak

**Sensitivity (8)**
97dB

**Maximum SPL (9)**
122dB continuous, 128dB peak

**Nominal Impedance**
8 ohms

**Connectors**
2 x NL4 type

**Fittings**
20 x M8 inserts, pole-mount socket, 1 x bar handle

**Dimensions**
(W) 358mm x (H) 574mm x (D) 337mm

**Weight**
17kg (37.5lbs)

---

## X15

**Type**: High-power, passive two-way system

**Frequency Response (5)**
- 55Hz-20kHz ± 3dB
- -10dB @ 45Hz

**Drivers**
- LF: 15” (380mm)/3” (75mm) voice coil, ferrite motor system
- HF: 1” (25mm) exit/1.7” (44mm) voice coil, polyimide dome compression driver

**Rated Power (2)**
400W AES, 1600W peak

**Sensitivity (8)**
99dB

**Maximum SPL (9)**
125dB continuous, 131dB peak

**Nominal Impedance**
8 ohms

**Connectors**
2 x NL4 type

**Fittings**
19 x M8 inserts, pole-mount socket, 2 x bar handles

**Dimensions**
(W) 427mm x (H) 690mm x (D) 419mm

**Weight**
24kg (52.9lbs)
### X115

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Compact, direct radiating subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RESPONSE (1)</td>
<td>45Hz-150Hz ± 3dB</td>
</tr>
<tr>
<td></td>
<td>-10dB @ 40Hz</td>
</tr>
<tr>
<td>DRIVER</td>
<td>15&quot; (300mm)/3&quot; (75mm) voice coil, long excursion, ferrite magnet</td>
</tr>
<tr>
<td>RATED POWER (2)</td>
<td>500W AES, 2000W peak</td>
</tr>
<tr>
<td>SENSITIVITY (10)</td>
<td>97dB</td>
</tr>
<tr>
<td>MAXIMUM SPL (9)</td>
<td>125dB continuous, 135dB peak (half space)</td>
</tr>
<tr>
<td>NOMINAL IMPEDANCE</td>
<td>8 ohms</td>
</tr>
<tr>
<td>CONNECTORS</td>
<td>3 x NL4 type</td>
</tr>
<tr>
<td>FITTINGS</td>
<td>16 x M10 inserts, pole-mount socket</td>
</tr>
<tr>
<td>DIMENSIONS (INCL FEET)</td>
<td>(W) 465mm x (H) 590mm x (D) 565mm</td>
</tr>
<tr>
<td></td>
<td>(W) 18.3ins x (H) 23.2ins x (D) 22.2ins</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>27kg (59.5lbs)</td>
</tr>
</tbody>
</table>

### X218

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Dual-driver, direct radiating subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RESPONSE (1)</td>
<td>42Hz-200Hz ± 3dB</td>
</tr>
<tr>
<td></td>
<td>-10dB @ 33Hz</td>
</tr>
<tr>
<td>DRIVER</td>
<td>18&quot; (460mm)/4&quot; (100mm) voice coil, long excursion, ferrite magnet</td>
</tr>
<tr>
<td>RATED POWER (2)</td>
<td>1600W AES, 6400W peak</td>
</tr>
<tr>
<td>SENSITIVITY (10)</td>
<td>106dB</td>
</tr>
<tr>
<td>MAXIMUM SPL (9)</td>
<td>141dB peak (half space)</td>
</tr>
<tr>
<td>NOMINAL IMPEDANCE</td>
<td>4 ohms</td>
</tr>
<tr>
<td>DISPERSION (-6dB)</td>
<td>Omnidirectional</td>
</tr>
<tr>
<td>CROSSOVER</td>
<td>80-120Hz active</td>
</tr>
<tr>
<td>CONNECTORS</td>
<td>2 x NL4 type</td>
</tr>
<tr>
<td>PIN CONNECTIONS (INPUT)</td>
<td>1 + 1- Link Through 2 + 2-</td>
</tr>
<tr>
<td>PIN CONNECTIONS (LINK)</td>
<td>1 + 1- Link Through 2 + 2-</td>
</tr>
<tr>
<td>FITTINGS</td>
<td>12 x M10 inserts, pole-mount socket</td>
</tr>
<tr>
<td>DIMENSIONS (INCL FEET)</td>
<td>(W) 1049mm x (H) 587mm x (D) 727mm</td>
</tr>
<tr>
<td></td>
<td>(W) 41.3ins x (H) 23.1ins x (D) 28.6ins</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>88kg (194lbs)</td>
</tr>
</tbody>
</table>

### X118

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Compact, direct radiating subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RESPONSE (1)</td>
<td>42Hz-150Hz ± 3dB</td>
</tr>
<tr>
<td></td>
<td>-10dB @ 38Hz</td>
</tr>
<tr>
<td>DRIVER</td>
<td>18&quot; (460mm)/3&quot; (75mm) voice coil, long excursion, ferrite magnet</td>
</tr>
<tr>
<td>RATED POWER (2)</td>
<td>500W AES, 2000W peak</td>
</tr>
<tr>
<td>SENSITIVITY (10)</td>
<td>104dB</td>
</tr>
<tr>
<td>MAXIMUM SPL (9)</td>
<td>134dB continuous, 137dB peak (half space)</td>
</tr>
<tr>
<td>NOMINAL IMPEDANCE</td>
<td>8 ohms</td>
</tr>
<tr>
<td>CONNECTORS</td>
<td>3 x NL4 type</td>
</tr>
<tr>
<td>FITTINGS</td>
<td>16 x M10 inserts, pole-mount socket</td>
</tr>
<tr>
<td>DIMENSIONS (INCL FEET)</td>
<td>(W) 530mm x (H) 669mm x (D) 640mm</td>
</tr>
<tr>
<td></td>
<td>(W) 20.9ins x (H) 26.3ins x (D) 25.2ins</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>33kg (72.7lbs)</td>
</tr>
</tbody>
</table>
ADORN Series

Martin Audio ADORN on-wall and ceiling loudspeakers bring class-leading performance, reliability and cost competitiveness to a wide range of commercial sound installations — from retail outlets, bars and restaurants to corporate offices.

Aesthetic Enclosures
ADORN full-range on-wall enclosures are visually unobtrusive with smooth lines. Available in black or white as standard, they can be readily painted to match any interior décor and architectural environment.

ADORN in-ceiling and pendant speakers feature a bezel-less grille for a clean look and a bayonet fitting which is easy to remove without the use of tools. The in-ceiling series is finished in white and may also be painted to blend with any décor while the pendant is also available in black as standard.

Low Impedance and Transformer Options
All models have a nominal impedance of 16 ohms, enabling four or more speakers to be driven in parallel by one amplifier channel, thereby maximising efficiency and minimising cost.

All ‘T’ designated models are fitted with an internal high-quality 70V/100V multi-tap line transformer with a switch to select the output level.

Overload Protection
For full-bandwidth protection, the low and high-frequency sections are individually protected against overload in all models.
<table>
<thead>
<tr>
<th><strong>A40</strong></th>
<th><strong>A55</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TYPE</strong></td>
<td>Ultra-compact passive two-way system, front ported bass reflex</td>
</tr>
<tr>
<td><strong>FREQUENCY RESPONSE (1)</strong></td>
<td>98Hz-17kHz ± 3dB</td>
</tr>
<tr>
<td><strong>-10dB @ 70Hz</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DRIVERS</strong></td>
<td>LF: 4&quot; / 1&quot; high-temp voice coil, coated paper cone, rubber surround, ferrite motor, pressed steel chassis</td>
</tr>
<tr>
<td></td>
<td>HF: 0.75&quot; silk dome, neodymium motor</td>
</tr>
<tr>
<td><strong>RATED POWER (2)</strong></td>
<td>40W AES, 160W peak</td>
</tr>
<tr>
<td><strong>RECOMMENDED AMPLIFIER</strong></td>
<td>VIA2004</td>
</tr>
<tr>
<td><strong>SENSITIVITY (1)</strong></td>
<td>87dB/1W/1m</td>
</tr>
<tr>
<td><strong>MAXIMUM SPL (9)</strong></td>
<td>106dB peak</td>
</tr>
<tr>
<td><strong>NOMINAL IMPEDANCE</strong></td>
<td>16 ohms</td>
</tr>
<tr>
<td><strong>DISPERSION (-6dB)</strong></td>
<td>110° H x 80° V</td>
</tr>
<tr>
<td><strong>CROSSOVER</strong></td>
<td>3.5kHz passive (LF and HF auto-resetting fuses)</td>
</tr>
<tr>
<td><strong>RECOMMENDED HIGH-PASS FILTER</strong></td>
<td>60Hz 24dB/oct</td>
</tr>
<tr>
<td><strong>ENCLOSURE</strong></td>
<td>ABS, UL 94V-0 rated</td>
</tr>
<tr>
<td><strong>FINISH</strong></td>
<td>Black or white</td>
</tr>
<tr>
<td><strong>FITTINGS</strong></td>
<td>Wall bracket included</td>
</tr>
<tr>
<td><strong>DIMENSIONS EXCL. BRACKET</strong></td>
<td>(W) 124mm x (H) 200mm x (D) 114mm</td>
</tr>
<tr>
<td></td>
<td>(W) 4.9in x (H) 7.9in x (D) 4.5in</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>1.75kg (3.9lbs)</td>
</tr>
<tr>
<td><strong>A40T</strong></td>
<td><strong>A55T</strong></td>
</tr>
<tr>
<td><strong>TYPE</strong></td>
<td>Ultra-compact passive two-way system, front ported bass reflex</td>
</tr>
<tr>
<td><strong>FREQUENCY RESPONSE (1)</strong></td>
<td>90Hz-17kHz ± 3dB</td>
</tr>
<tr>
<td><strong>-10dB @ 65Hz</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DRIVERS</strong></td>
<td>LF: 5.25&quot; / 1&quot; high-temp voice coil, coated paper cone, rubber surround, ferrite motor, pressed steel chassis</td>
</tr>
<tr>
<td></td>
<td>HF: 0.75&quot; silk dome, neodymium motor</td>
</tr>
<tr>
<td><strong>RATED POWER (2)</strong></td>
<td>50W AES, 200W peak</td>
</tr>
<tr>
<td><strong>RECOMMENDED AMPLIFIER</strong></td>
<td>VIA5002 (in conjunction with suitable line transformer)</td>
</tr>
<tr>
<td><strong>SENSITIVITY (1)</strong></td>
<td>90dB/1W/1m</td>
</tr>
<tr>
<td><strong>MAXIMUM SPL (9)</strong></td>
<td>113dB peak</td>
</tr>
<tr>
<td><strong>NOMINAL IMPEDANCE</strong></td>
<td>16 ohms</td>
</tr>
<tr>
<td><strong>DISPERSION (-6dB)</strong></td>
<td>110° H x 80° V</td>
</tr>
<tr>
<td><strong>CROSSOVER</strong></td>
<td>3.5kHz passive (LF and HF auto-resetting fuses)</td>
</tr>
<tr>
<td><strong>TRANSFORMER TAPS</strong></td>
<td>70V: 20w / 10w / 5w / 2.5w</td>
</tr>
<tr>
<td></td>
<td>100V: 20w / 10w / 5w</td>
</tr>
<tr>
<td><strong>RECOMMENDED HIGH-PASS FILTER</strong></td>
<td>60Hz 24dB/oct</td>
</tr>
<tr>
<td><strong>ENCLOSURE</strong></td>
<td>ABS, UL 94V-0 rated</td>
</tr>
<tr>
<td><strong>FINISH</strong></td>
<td>Black or white</td>
</tr>
<tr>
<td><strong>FITTINGS</strong></td>
<td>Wall bracket included</td>
</tr>
<tr>
<td><strong>DIMENSIONS EXCL. BRACKET</strong></td>
<td>(W) 152mm x (H) 245mm x (D) 140mm</td>
</tr>
<tr>
<td></td>
<td>(W) 6in x (H) 9.6in x (D) 5.5in</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>2.21kg (4.9lbs)</td>
</tr>
</tbody>
</table>

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PASSIVE POINT SOURCE: ADORN SERIES

Amble Links, UK

martin-audio.com/products/series/adorn
ACS-40TS

**TYPE**
Ultra-compact, passive two-way ceiling speaker, ported bass reflex

**FREQUENCY RESPONSE (1)**
106Hz-20kHz ± 3dB, -10dB @ 73Hz

**DRIVERS**
- LF: 4” / 1” high-temp voice coil, coated paper cone, rubber surround, ferrite motor, pressed steel chassis
- HF: 0.75” silk dome, neodymium motor

**RATED POWER (2)**
40W AES, 160W peak

**SENSITIVITY (4)**
86dB / 1W(4V) / 1m

**MAXIMUM SPL (9)**
108dB peak

**NOMINAL IMPEDANCE**
16 ohms

**DISPERSION (-6dB)**
180° conical up to 10kHz

**CROSSOVER**
3.5 kHz passive (LF and HF auto-resetting fuses)

**TRANSFORMER TAPS**
70V: 20w / 10w / 5w / 2.5w, 100V: 20w / 10w / 5w

**RECOMMENDED HIGH-PASS FILTER**
75Hz 24dB/oct

**CONNECTORS**
Ceramic connector (in and link) located behind fire-retardant steel cover

**ACCESSORIES (included)**
- 2 tile rails, C-ring backing plate, Cut-out template

**DIMENSIONS**
(OD) 221mm x (D) 98mm

**WEIGHT**
2.2kg (4.8lbs)

ACS-55T

**TYPE**
Compact, passive two-way ceiling speaker, ported bass reflex

**FREQUENCY RESPONSE (1)**
98Hz-20kHz ± 3dB, -10dB @ 62Hz

**DRIVERS**
- LF: 5.25” / 1” high-temp voice coil, coated paper cone, rubber surround, ferrite motor, pressed steel chassis
- HF: 0.75” silk dome, neodymium motor

**RATED POWER (2)**
50W AES, 200W peak

**SENSITIVITY (4)**
90dB / 1W(4V) / 1m

**MAXIMUM SPL (9)**
113dB peak

**NOMINAL IMPEDANCE**
16 ohms

**DISPERSION (-6dB)**
150° conical up to 7kHz

**CROSSOVER**
3kHz passive (LF and HF auto-resetting fuses)

**TRANSFORMER TAPS**
70V: 30w / 15w / 7.5w / 3.75w, 100V: 30w / 15w / 7.5w / 3.75w

**RECOMMENDED HIGH-PASS FILTER**
65Hz 24dB/oct

**CONNECTORS**
Ceramic connector (in and link) located behind fire-retardant steel cover

**ACCESSORIES (included)**
- 2 tile rails, C-ring backing plate, Cut-out template

**DIMENSIONS**
(OD) 245mm x (D) 193mm

**WEIGHT**
3kg (6.6lbs)

ACS-55TS

**TYPE**
Compact, passive two-way ceiling speaker, ported bass reflex

**FREQUENCY RESPONSE (1)**
117Hz-20kHz ± 3dB, -10dB @ 79Hz

**DRIVERS**
- LF: 5.25” / 1” high-temp voice coil, coated paper cone, rubber surround, ferrite motor, pressed steel chassis
- HF: 0.75” silk dome, neodymium motor

**RATED POWER (2)**
50W AES, 200W peak

**SENSITIVITY (4)**
90dB / 1W(4V) / 1m

**MAXIMUM SPL (9)**
113dB peak

**NOMINAL IMPEDANCE**
16 ohms

**DISPERSION (-6dB)**
150° conical up to 7kHz

**CROSSOVER**
3kHz passive (LF and HF auto-resetting fuses)

**TRANSFORMER TAPS**
70V: 30w / 15w / 7.5w / 3.75w, 100V: 30w / 15w / 7.5w / 3.75w

**RECOMMENDED HIGH-PASS FILTER**
65Hz 24dB/oct

**CONNECTORS**
Ceramic connector (in and link) located behind fire-retardant steel cover

**ACCESSORIES (included)**
- 2 tile rails, C-ring backing plate, Cut-out template

**DIMENSIONS**
(OD) 245mm x (D) 102mm

**WEIGHT**
2.8kg (6.2lbs)

ACP-55T

**TYPE**
Passive two-way pendant speaker, ported bass reflex

**FREQUENCY RESPONSE (6)**
98Hz-20kHz ± 3dB, -10dB @ 58Hz

**DRIVERS**
- LF: 5.25” / 1” high-temp voice coil, coated paper cone, rubber surround, ferrite motor, pressed steel chassis
- HF: 0.75” silk dome, neodymium motor

**RATED POWER (2)**
50W AES, 200W peak

**SENSITIVITY (7)**
86dB / 1W(4V) / 1m

**MAXIMUM SPL (9)**
109dB Peak

**NOMINAL IMPEDANCE**
16 ohms

**DISPERSION (-6dB)**
150° conical up to 7kHz

**CROSSOVER**
3kHz passive (LF and HF auto-resetting fuses)

**TRANSFORMER TAPS**
70V: 30w / 15w / 7.5w / 3.75w, 100V: 30w / 15w / 7.5w

**CONNECTORS**
Ceramic connector (in and link)

**DIMENSIONS**
(OD) 246mm x (D) 157 mm (175mm including grille)

**WEIGHT**
3.46kg (7.62lbs)
Electronics

Top quality loudspeakers require top quality amplification and control, and Martin Audio offer just that in the iKON and VIA Series of high-performance, lightweight, power amplifiers, and DX Controllers.

With Martin Audio’s enviable reputation for producing loudspeakers with excellent performance and high durability it is no surprise that our name appears on an equally prestigious range of high quality amplifiers and controllers.

With models suited to both touring and installed audio environments our electronic audio components supply the uncompromising sonic performance and unquestionable reliability required by the most demanding of today’s sound reinforcement applications. Martin Audio Electronics – completing the circuit.
iK81

**Type**
- Eight-channel Class D amplifier

**Total Output Power**
- 10,000 Watts RMS, all channels driven

**Digital Signal Processing**
- 96kHz DSP on all inputs and outputs

**Cooling**
- Dual vari-speed fans, front-to-back airflow

**Maximum Ambient Temperature**
- 40°C (104°F)

**Analogue In/Link (4 Channels)**
- 4 x female, 4 x male Neutrik™ XLR

**Analogue Input Impedance**
- 20kΩ balanced to ground

**Maximum Analogue Input Level**
- 0dBu

**Nominal System Gain**
- 32dB

**AES3 In/Link (2 Channels)**
- 1 x female, 1 x male Neutrik™ XLR, balanced

**Dante™ (4 Channels)**
- 2 x shielded RJ45, primary and secondary

**Amplifier Outputs**
- 4 x Neutrik Speakon™ NL4

**Protocol**
- Ethernet

**Control Application**
- Martin Audio VU-NET™

**Type**
- High performance Series Resonant

**AC Input Operating Range**
- 85 – 240V ~ AC, 47 - 63Hz

**Mains Inrush Current**
- 6A at 115V, 12A at 230V (max for <10ms)

**Mains Connector**
- Neutrik 32A Powercon™

**Dimensions**
- (W) 482 x (H) 2U/88mm x (D) 441mm

**Weight**
- 12.5kg (27.5lbs)

---

iK42

**Type**
- Four-channel Class D amplifier

**Total Output Power**
- 20,000 Watts RMS, all channels driven

**Digital Signal Processing**
- 96kHz DSP on all inputs and outputs

**Cooling**
- Dual vari-speed fans, front-to-back airflow

**Maximum Ambient Temperature**
- 40°C (104°F)

**Analogue In/Link (4 Channels)**
- 4 x female, 4 x male Neutrik™ XLR

**Analogue Input Impedance**
- 20kΩ balanced to ground

**Maximum Analogue Input Level**
- 0dBu

**Nominal System Gain**
- 32dB

**AES3 In/Link (2 Channels)**
- 1 x female, 1 x male Neutrik™ XLR, balanced

**Dante™ (4 Channels)**
- 2 x shielded RJ45, primary and secondary

**Amplifier Outputs**
- 4 x Neutrik Speakon™ NL4

**Protocol**
- Ethernet

**Control Application**
- Martin Audio VU-NET™

**Type**
- High performance Series Resonant

**AC Input Operating Range**
- 85 – 240V ~ AC, 47 - 63Hz

**Mains Inrush Current**
- 6A at 115V, 12A at 230V (max for <10ms)

**Mains Connector**
- Neutrik 32A Powercon™

**Dimensions**
- (W) 482 x (H) 2U/88mm x (D) 441mm

**Weight**
- 12.5kg (27.5lbs)
### VIA2004

<table>
<thead>
<tr>
<th>General</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TYPE</strong></td>
<td>Four-channel Class D amplifier</td>
</tr>
<tr>
<td><strong>POWER OUTPUT</strong></td>
<td>4 x 500W into 4 ohms</td>
</tr>
<tr>
<td></td>
<td>4 x 250W into 8 ohms</td>
</tr>
<tr>
<td><strong>COOLING</strong></td>
<td>Vari-speed fans, front-to-back airflow</td>
</tr>
<tr>
<td><strong>MAXIMUM AMBIENT TEMPERATURE</strong></td>
<td>40°C (105°F)</td>
</tr>
<tr>
<td><strong>Audio Inputs/Outputs</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ANALOGUE IN/LINK (4 CHANNELS)</strong></td>
<td>4 x female, 4 x male Neutrik™ XLR</td>
</tr>
<tr>
<td><strong>ANALOGUE INPUT IMPEDANCE</strong></td>
<td>5 kΩ typical, balanced</td>
</tr>
<tr>
<td><strong>MAXIMUM ANALOGUE INPUT LEVEL</strong></td>
<td>+20dBu</td>
</tr>
<tr>
<td><strong>AMPLIFIER OUTPUTS</strong></td>
<td>4 x Neutrik Speakon™ NL4</td>
</tr>
<tr>
<td><strong>Audio Performance</strong></td>
<td></td>
</tr>
<tr>
<td><strong>FREQUENCY RESPONSE</strong></td>
<td>20Hz - 20kHz +/- 0.45dB, 4 ohm load</td>
</tr>
<tr>
<td><strong>TOTAL HARMONIC DISTORTION</strong></td>
<td>0.003% typical, 1kHz @ 1W</td>
</tr>
<tr>
<td><strong>Power Supplies</strong></td>
<td></td>
</tr>
<tr>
<td><strong>TYPE</strong></td>
<td>2 x high current, high frequency, switch-mode</td>
</tr>
<tr>
<td><strong>AC INPUT OPERATING RANGE</strong></td>
<td>100-240V +/-10%, 45 - 65Hz</td>
</tr>
<tr>
<td><strong>MAINS CONNECTOR</strong></td>
<td>1 x Neutrik Powercon™</td>
</tr>
<tr>
<td><strong>TOTAL SYSTEM EFFICIENCY</strong></td>
<td>89% (4 x 250W into 8 ohms)</td>
</tr>
<tr>
<td><strong>Physical</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>(W) 482 x (H) 2U/88mm x (D) 441mm</td>
</tr>
<tr>
<td></td>
<td>(W) 19in x (H) 2U/3.5in x (D) 17.4in</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>8kg (17.6lbs)</td>
</tr>
</tbody>
</table>

### VIA2502

<table>
<thead>
<tr>
<th>General</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TYPE</strong></td>
<td>Two-channel Class D amplifier</td>
</tr>
<tr>
<td><strong>POWER OUTPUT</strong></td>
<td>2 x 1250W into 2 ohms</td>
</tr>
<tr>
<td></td>
<td>2 x 100W into 4 ohms</td>
</tr>
<tr>
<td></td>
<td>2 x 450W into 8 ohms</td>
</tr>
<tr>
<td></td>
<td>1 x 2500W bridged into 4 ohms</td>
</tr>
<tr>
<td><strong>COOLING</strong></td>
<td>Vari-speed fans, front-to-back airflow</td>
</tr>
<tr>
<td><strong>MAXIMUM AMBIENT TEMPERATURE</strong></td>
<td>40°C (105°F)</td>
</tr>
<tr>
<td><strong>Audio Inputs/Outputs</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ANALOGUE IN/LINK (4 CHANNELS)</strong></td>
<td>2 x female, 2 x male Neutrik™ XLR</td>
</tr>
<tr>
<td><strong>ANALOGUE INPUT IMPEDANCE</strong></td>
<td>10kΩ, balanced</td>
</tr>
<tr>
<td><strong>MAXIMUM ANALOGUE INPUT LEVEL</strong></td>
<td>+20dBu</td>
</tr>
<tr>
<td><strong>AMPLIFIER OUTPUTS</strong></td>
<td>2 x Neutrik Speakon™ NL4</td>
</tr>
<tr>
<td><strong>Audio Performance</strong></td>
<td></td>
</tr>
<tr>
<td><strong>OUTPUT NOISE</strong></td>
<td>-113dBA, referenced to max output</td>
</tr>
<tr>
<td></td>
<td>(22kHz bandwidth)</td>
</tr>
<tr>
<td><strong>FREQUENCY RESPONSE</strong></td>
<td>&lt;10Hz - &gt;20kHz +/- 0.25dB</td>
</tr>
<tr>
<td><strong>TOTAL HARMONIC DISTORTION</strong></td>
<td>&lt;0.05% typical @ 1kHz, -3dB output</td>
</tr>
<tr>
<td></td>
<td>(22kHz bandwidth)</td>
</tr>
<tr>
<td><strong>SLEW RATE</strong></td>
<td>&gt;80V per microsecond</td>
</tr>
<tr>
<td><strong>DAMPING FACTOR</strong></td>
<td>120 ref 8 ohms</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td></td>
</tr>
<tr>
<td><strong>TYPE</strong></td>
<td>High current, high frequency</td>
</tr>
<tr>
<td></td>
<td>switch-mode</td>
</tr>
<tr>
<td><strong>AC INPUT OPERATING RANGE</strong></td>
<td>100-240V +/-10%, 45 - 65Hz</td>
</tr>
<tr>
<td><strong>TOTAL SYSTEM EFFICIENCY</strong></td>
<td>&gt; 98% typical</td>
</tr>
<tr>
<td><strong>MAINS CONNECTOR</strong></td>
<td>1 x Neutrik Powercon™</td>
</tr>
<tr>
<td><strong>Physical</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>(W) 482 x (H) 2U/88mm x (D) 441mm</td>
</tr>
<tr>
<td></td>
<td>(W) 19in x (H) 2U/3.5in x (D) 17.4in</td>
</tr>
<tr>
<td></td>
<td>incl handles and optional rear support</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>8kg (17.6lbs)</td>
</tr>
</tbody>
</table>
### VIA5004

**General**
- **TYPE**: Four-channel Class D amplifier
- **POWER OUTPUT**:
  - 4 x 1250W into 2 ohms
  - 4 x 800W into 4 ohms
  - 4 x 450W into 8 ohms
- **COOLING**: Vari-speed fans, front-to-back airflow
- **MAXIMUM AMBIENT TEMPERATURE**: 40°C (105°F)

**Audio Inputs/Outputs**
- **ANALogue IN/LINK (4 CHANNELS)**: 4 x female, 4 x male Neutrik™ XLR
- **ANALOGUE INPUT IMPEDANCE**: 10KΩ balanced
- **MAXIMUM ANALOGUE INPUT LEVEL**: +20dBu
- **AMPLIFIER OUTPUTS**: 4 x Neutrik Speakon™ NL4

**Audio Performance**
- **OUTPUT NOISE**: -113dBA, referenced to max output (22kHz bandwidth)
- **FREQUENCY RESPONSE**: <10Hz - >20kHz +/- 0.25dB
- **TOTAL HARMONIC DISTORTION**: <0.05% typical @ 1kHz, -3dB output (22kHz bandwidth)
- **SLEW RATE**: >80V per microsecond
- **DAMPING FACTOR**: 120 ref 8 ohms

**Power Supplies**
- **TYPE**: 2 x high current, high frequency switch-mode
- **AC INPUT OPERATING RANGE**: 100-240V +/-10%
- **TOTAL SYSTEM EFFICIENCY**: >90% typical
- **MAINS CONNECTOR**: 1 x Neutrik Powercon™

**Physical**
- **DIMENSIONS**: (W) 482 x (H) 2U/88mm x (D) 441mm
- **WEIGHT**: 10kg (22lbs)

---

**General**
- **TYPE**: Two-channel Class D amplifier
- **POWER OUTPUT**: 2 x 2500W into 4 ohms
- **COOLING**: Vari-speed fans, front-to-back airflow
- **MAXIMUM AMBIENT TEMPERATURE**: 40°C (105°F)

**Audio Inputs/Outputs**
- **ANALogue IN/LINK (4 CHANNELS)**: 2 x female, 2 x male Neutrik™ XLR
- **ANALOGUE INPUT IMPEDANCE**: 10KΩ balanced
- **MAXIMUM ANALOGUE INPUT LEVEL**: +20dBu
- **AMPLIFIER OUTPUTS**: 2 x Neutrik Speakon™ NL4

**Audio Performance**
- **OUTPUT NOISE**: -113dBA, referenced to max output (22kHz bandwidth)
- **FREQUENCY RESPONSE**: <10Hz - >20kHz +/- 0.25dB
- **TOTAL HARMONIC DISTORTION**: <0.05% typical @ 1kHz, -3dB output (22kHz bandwidth)
- **SLEW RATE**: >80V per microsecond
- **DAMPING FACTOR**: 120 ref 8 ohms

**Power Supplies**
- **TYPE**: 2 x high current, high frequency switch-mode
- **AC INPUT OPERATING RANGE**: 100-240V +/-10%
- **TOTAL SYSTEM EFFICIENCY**: >90% typical
- **MAINS CONNECTOR**: 1 x Neutrik Powercon™

**Physical**
- **DIMENSIONS**: (W) 482 x (H) 2U/88mm x (D) 441mm
- **WEIGHT**: 10kg (22lbs)

---

**Continuous average power per channel, all channels driven with music program material and a nominal ambient temperature of 40°C /105°F**
### U-HUB

<table>
<thead>
<tr>
<th>General</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TYPE</strong></td>
<td>Ethernet to U-NET™ bridge</td>
</tr>
<tr>
<td><strong>SUPPORTED PROTOCOLS</strong></td>
<td>Ethernet and U-NET™</td>
</tr>
<tr>
<td><strong>CONTROL APPLICATION</strong></td>
<td>Martin Audio VU-NET™</td>
</tr>
<tr>
<td><strong>AC OPERATING RANGE</strong></td>
<td>100-240VAC Nominal, 50-60Hz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rear Panel</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AUDIO INPUTS 1, 2 and 3</strong></td>
<td>3 x 3 pin female XLR type</td>
</tr>
<tr>
<td><strong>ETHERNET</strong></td>
<td>1 x Neutrik® Ethercon</td>
</tr>
<tr>
<td><strong>MAINS POWER</strong></td>
<td>3 pin IEC with cable locking mechanism</td>
</tr>
<tr>
<td><strong>FUSE</strong></td>
<td>User-replaceable 1A T-type 20mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Front Panel</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AUDIO OUT AND U-NET</strong></td>
<td>6 x ODU 8-pin connector ports</td>
</tr>
<tr>
<td><strong>UNET STATUS</strong></td>
<td>Bi-colour Green/Red LED on port 1 and 6</td>
</tr>
<tr>
<td><strong>IP CONFIGURATION</strong></td>
<td>Yellow LED: On = Static IP, Off = Dynamic</td>
</tr>
<tr>
<td><strong>IP RESET (TO DYNAMIC)</strong></td>
<td>Recessed push button</td>
</tr>
<tr>
<td><strong>ETHERNET CONNECTION</strong></td>
<td>Green LED = Online</td>
</tr>
<tr>
<td><strong>MAINS POWER</strong></td>
<td>Red LED = Mains power present</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Physical</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>(W) 482mm x (H) 1U/44mm x (D) 268mm</td>
</tr>
<tr>
<td></td>
<td>(W) 19in x (H) 1U/1.75in x (D) 10.6in</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>3.5Kg (7.7lbs)</td>
</tr>
</tbody>
</table>

### DX4.0

<table>
<thead>
<tr>
<th>General</th>
<th>4 input/8 output digital loudspeaker processor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OPERATING TEMPERATURE</strong></td>
<td>0 to 45°C</td>
</tr>
<tr>
<td><strong>HUMIDITY RANGE</strong></td>
<td>0 to 80% RH (non-condensing)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Audio Performance</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INPUT IMPEDANCE</strong></td>
<td>&gt;10kΩ balanced</td>
</tr>
<tr>
<td><strong>OUTPUT IMPEDANCE</strong></td>
<td>&lt;100kΩ balanced</td>
</tr>
<tr>
<td><strong>MAX INPUT LEVEL</strong></td>
<td>+20dBu</td>
</tr>
<tr>
<td><strong>MAX OUTPUT LEVEL</strong></td>
<td>+18dBu into 600Ω</td>
</tr>
<tr>
<td><strong>FREQUENCY RESPONSE</strong></td>
<td>10Hz - 40kHz</td>
</tr>
<tr>
<td><strong>OUTPUT DYNAMIC RANGE</strong></td>
<td>&gt;120dBa typ.</td>
</tr>
<tr>
<td><strong>TOTAL HARMONIC DISTORTION</strong></td>
<td>&lt;0.008% typ. 20Hz-20kHz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Digital Signal Processing</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SAMPLE RATE</strong></td>
<td>96kHz</td>
</tr>
<tr>
<td><strong>AES3 INPUT SAMPLE RATE</strong></td>
<td>20kHz – 108kHz</td>
</tr>
<tr>
<td><strong>AES3 OUTPUT SAMPLE RATE</strong></td>
<td>96kHz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power Supply</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AC OPERATING RANGE</strong></td>
<td>100-240V +/-10%</td>
</tr>
<tr>
<td><strong>POWER CONSUMPTION</strong></td>
<td>30W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Control and Monitoring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PROTOCOL</strong></td>
<td>Ethernet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Connectors</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AUDIO INPUT</strong></td>
<td>4 x 3 pin female XLR for analogue or AES3 pairs</td>
</tr>
<tr>
<td><strong>AUDIO OUTPUT</strong></td>
<td>8 x 3 pin male XLR for analogue or AES3 pairs</td>
</tr>
<tr>
<td><strong>ETHERNET</strong></td>
<td>1 x shielded RJ45</td>
</tr>
<tr>
<td><strong>DANTE™ NETWORK</strong></td>
<td>2 x shielded RJ45, primary and secondary</td>
</tr>
<tr>
<td><strong>AUX PORT</strong></td>
<td>Phoenix connector for contact closure</td>
</tr>
<tr>
<td><strong>MAINS POWER</strong></td>
<td>3 pin IEC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Physical</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>(W) 482mm x (H) 1U/44mm x (D) 184mm</td>
</tr>
<tr>
<td></td>
<td>(W) 19in x (H) 1U/1.75in x (D) 7.2in</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>2.7Kg (6lbs)</td>
</tr>
</tbody>
</table>
### DX0.5

<table>
<thead>
<tr>
<th><strong>Inputs</strong></th>
<th>2 electronically balanced analogue</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CMRR</strong></td>
<td>&gt; 58dB</td>
</tr>
<tr>
<td><strong>Outputs</strong></td>
<td>6 electronically balanced analogue</td>
</tr>
<tr>
<td><strong>Max Output</strong></td>
<td>+21dBu</td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>20Hz-20kHz ± 0.2dB</td>
</tr>
<tr>
<td><strong>Parametric Equalisation Filters</strong></td>
<td>5 per input / 7 per output</td>
</tr>
<tr>
<td><strong>Filter Gain</strong></td>
<td>±15dB in 0.05dB steps</td>
</tr>
<tr>
<td><strong>Frequency Range</strong></td>
<td>20Hz - 20kHz, 1/24 octave steps</td>
</tr>
<tr>
<td><strong>Filter BW</strong></td>
<td>3 to 0.05 in 0.05 steps</td>
</tr>
<tr>
<td><strong>High and Lowpass Filters Frequency Range</strong></td>
<td>20Hz - 20kHz</td>
</tr>
<tr>
<td><strong>Responses</strong></td>
<td>Butterworth: 6dB, 12dB, 18dB, 24dB / Octave</td>
</tr>
<tr>
<td></td>
<td>Linkwitz-Riley: 12dB, 24dB / Octave</td>
</tr>
<tr>
<td></td>
<td>Bessel: 12dB, 24dB / Octave</td>
</tr>
<tr>
<td><strong>Limiters Threshold</strong></td>
<td>+20dBu to -10dBu</td>
</tr>
<tr>
<td><strong>Attack Time</strong></td>
<td>5ms to 200ms</td>
</tr>
<tr>
<td><strong>Release Time</strong></td>
<td>0.1 – 3.0s ± 0.1s increments</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>2 x 24 character blue LCD</td>
</tr>
<tr>
<td><strong>Input Meter</strong></td>
<td>2 x 7 point, -20dB to +15dB</td>
</tr>
<tr>
<td><strong>Output Meter</strong></td>
<td>6 x 7 point, -15dB to +15dB into limit</td>
</tr>
<tr>
<td><strong>Connectors Inputs</strong></td>
<td>3 pin female XLR</td>
</tr>
<tr>
<td><strong>Outputs</strong></td>
<td>3 pin male XLR</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>3 pin IEC</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>100 to 240V @ 50/60Hz</td>
</tr>
<tr>
<td><strong>Consumption</strong></td>
<td>40 watts</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(W) 482mm x (H) 44mm x (D) 229mm</td>
</tr>
<tr>
<td></td>
<td>(W) 19ins x (H) 1.75ins x (D) 9ins</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>2.6kg (5.8lbs)</td>
</tr>
</tbody>
</table>

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The Martin Audio Experience