Unite Your Audience
The Martin Audio Experience
Unite Your Audience
The Martin Audio Experience
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
• With Stagetracker II by TTA, track up to 100 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

martin-audio.com/sound-adventures
SARA II
Premium Rendering Engine incl. Spatial Sound Wave core V4

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 1 x 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 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 Input voltage 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, 0 A with audible and visual warnings

GENERAL
Housing 19” Rackmount, 3 RU
Dimensions WxDxH 482 x 550 x 132 mm (19” x 21.7” x 5.25”)
Weight 11.9 kg (26 lbs) plus cables
Operating System Linux CentOS

RADIOEYE SENSOR
Antennas per sensor 60
Max coverage per sensor 100 tags
Operating frequency 4.9 - 5.9 GHz
Coverage angle 120 degrees
Accuracy 2 cm (0.8”)
Environmental class IP67
Weight 10 kg (22 lbs)
Dimensions 350 x 350 x 200 mm (13.8” x 13.8” x 7.9”)
Operating temperature -20 to + 55 degrees C

RADIOEYE TAG (TRANSMITTER)
Operating frequency 4.9 - 5.9 GHz
Positions per second 100
Sensors Roll, pitch, rotation, gyro
Battery life > 9 hours
Charging Stagetracker II docking station
Coverage 200 m
Dimensions 48 x 35 x 11 mm (2.0” x 1.4” x 0.4”)

STAGETRACKER II CORE
Input voltage 100-240 Vac, 50-60 Hz
Power intake 400 W
Connector Neutrik PowerCon nAC3MPA-1
Housing 19” Rackmount, 3 RU
Weight 12 kg (26.5 lbs)
Connections 1 x Stagetracker II Net (Neutrik Ethercon)
1 x Gigabit for position data output (Neutrik Ethercon)

Stagetracker II Net
Connector data Neutrik EtherCon
Connector 48v DC power Amphenol Eco-Mate
Connections 4 x RadioEye
2 x Stagetracker Network (rear panel)
Power supply Input voltage 100-240 Vac, 50-60 Hz
Power intake 200 W
Housing 19” Rackmount, 2 RU
Weight 8 kg (17.6 lbs)
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.

martin-audio.com/products/series/mla-systems
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.
OPTIMISED LINE ARRAYS: MULTI-CELLULAR LOUDSPEAKER ARRAY

All information is Copyright © 2019 Martin Audio Ltd. Due to Martin Audio’s policy of continuing improvement, we reserve the right to alter these specifications without prior notice.

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

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

Henley Festival, UK

Disrupt Summit, South Africa

martin-audio.com/products/series/mla-systems
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 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.
OPTIMISED LINE ARRAYS : WAVEFRONT PRECISION

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.
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.

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 (5)**
- LF: 52Hz-18kHz ± 3dB
- MF: 50Hz-18kHz ± 3dB
- HF: 9kHz-18kHz ± 3dB

**DRIVERS**
- LF: 2 x 12" (300mm)/3" (75mm) voice coil, ultra-long excursion, neodymium magnet drivers, Hybrid® bass horn loaded
- MF: 2 x 8.5" (210mm)/2" (50mm) 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 amplifier channel

**MAXIMUM SPL (9)**
- 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

**CONNECTORS**
4 x NL4 type

**FITTINGS**
- 3-point rigging system
- 4 x side pocket handles

**FLOWN ARRAY MAXIMUM**
24 enclosures in single array

**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)

#### Optimised Line Arrays: WAVEFRONT PRECISION

### WPC

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

**FREQUENCY RESPONSE (5)**
- LF: 65Hz-18kHz ± 3dB
- MF: 76Hz-18kHz ± 3dB
- HF: 44kHz-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) 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 amplifier channel

**MAXIMUM SPL (9)**
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.

**FINISH**
Black textured paint

**PROTECTIVE GRILLE**
Black HEX perforated steel

**CONNECTORS**
- 2 x NL4 type
- LF: 1+/1-, MF + HF: 2+/2-

**FITTINGS**
- 3-point rigging system
- 4 x side pocket handles

**SYSTEM AMPLIFIER**
iKON iK42, iK81

**SYSTEM RESOLUTION**
1 to 4 enclosures per amplifier channel

**MAXIMUM SPL (9)**
139dB peak (1 cabinet)

**NOMINAL IMPEDANCE**
16 ohms

**DISPERSION**
- 100º horizontal (-4dB), 125º horizontal (-10dB)
- 10° vertical

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

**WEIGHT**
35kg (77.1lbs)

### WPM

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

**FREQUENCY RESPONSE (5)**
- LF: 76Hz-18kHz ± 3dB
- MF: 76Hz-18kHz ± 3dB
- HF: 10kHz-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 (9)**
125dB peak (1 cabinet)

**NOMINAL IMPEDANCE**
16 ohms

**DISPERSION**
- 100º horizontal (-6dB), 130º 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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Eight-channel Class D amplifier</td>
</tr>
<tr>
<td>Total Output Power</td>
<td>10,000 Watts RMS, all channels driven</td>
</tr>
<tr>
<td>Digital Signal Processing</td>
<td>96kHz DSP on all inputs and outputs</td>
</tr>
<tr>
<td>Cooling</td>
<td>Dual vari-speed fans, front-to-back airflow</td>
</tr>
<tr>
<td>Maximum Ambient Temperature</td>
<td>40°C (104°F)</td>
</tr>
<tr>
<td>Audio Inputs/Outputs</td>
<td></td>
</tr>
<tr>
<td>Analogue In/Link (4 Channels)</td>
<td>4 x female, 4 x male Neutrik™ XLR</td>
</tr>
<tr>
<td>Analogue input impedance</td>
<td>20kΩ, balanced to ground</td>
</tr>
<tr>
<td>Maximum Analogue Input Level</td>
<td>+20dBu</td>
</tr>
<tr>
<td>Nominal System Gain</td>
<td>32dB</td>
</tr>
<tr>
<td>AES3 In/Link (2 Channels)</td>
<td>1 x female, 1 x male Neutrik™ XLR, balanced</td>
</tr>
<tr>
<td>Dante™ (4 Channels)</td>
<td>2 x shielded RJ45, primary and secondary</td>
</tr>
<tr>
<td>Amplifier Outputs</td>
<td>4 x Neutrik Speakon™ NL4</td>
</tr>
<tr>
<td>Control and Monitoring Network</td>
<td>Ethernet</td>
</tr>
<tr>
<td>Control Application</td>
<td>Martin Audio VU-NET™</td>
</tr>
<tr>
<td>Power Supply</td>
<td>High performance Series Resonant</td>
</tr>
<tr>
<td>AC Input Operating Range</td>
<td>85 – 240V AC, 47 - 63Hz</td>
</tr>
<tr>
<td>Mains Inrush Current</td>
<td>6A at 15V, 12A at 230V (max for &lt;10ms)</td>
</tr>
<tr>
<td>Mains Connector</td>
<td>Neutrik 32A Powercon™</td>
</tr>
<tr>
<td>Physical Dimensions</td>
<td>(W) 483 x (H) 2U/89mm x (D) 357mm</td>
</tr>
<tr>
<td></td>
<td>(W) 19in x (H) 2U/3.5in x (D) 14.1in incl handles and optional rear support</td>
</tr>
<tr>
<td>Weight</td>
<td>12.5kg (27.5lbs)</td>
</tr>
</tbody>
</table>

### iK42

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Four-channel Class D amplifier</td>
</tr>
<tr>
<td>Total Output Power</td>
<td>20,000 Watts RMS, all channels driven</td>
</tr>
<tr>
<td>Digital Signal Processing</td>
<td>96kHz DSP on all inputs and outputs</td>
</tr>
<tr>
<td>Cooling</td>
<td>Dual vari-speed fans, front-to-back airflow</td>
</tr>
<tr>
<td>Maximum Ambient Temperature</td>
<td>40°C (104°F)</td>
</tr>
<tr>
<td>Audio Inputs/Outputs</td>
<td></td>
</tr>
<tr>
<td>Analogue In/Link (4 Channels)</td>
<td>4 x female, 4 x male Neutrik™ XLR</td>
</tr>
<tr>
<td>Analogue input impedance</td>
<td>20kΩ, balanced to ground</td>
</tr>
<tr>
<td>Maximum Analogue Input Level</td>
<td>+20dBu</td>
</tr>
<tr>
<td>Nominal System Gain</td>
<td>32dB</td>
</tr>
<tr>
<td>AES3 In/Link (2 Channels)</td>
<td>1 x female, 1 x male Neutrik™ XLR, balanced</td>
</tr>
<tr>
<td>Dante™ (4 Channels)</td>
<td>2 x shielded RJ45, primary and secondary</td>
</tr>
<tr>
<td>Amplifier Outputs</td>
<td>4 x Neutrik Speakon™ NL4</td>
</tr>
<tr>
<td>Control and Monitoring Network</td>
<td>Ethernet</td>
</tr>
<tr>
<td>Control Application</td>
<td>Martin Audio VU-NET™</td>
</tr>
<tr>
<td>Power Supply</td>
<td>High performance Series Resonant</td>
</tr>
<tr>
<td>AC Input Operating Range</td>
<td>85 – 240V AC, 47 - 63Hz</td>
</tr>
<tr>
<td>Mains Inrush Current</td>
<td>6A at 15V, 12A at 230V (max for &lt;10ms)</td>
</tr>
<tr>
<td>Mains Connector</td>
<td>Neutrik 32A Powercon™</td>
</tr>
<tr>
<td>Physical Dimensions</td>
<td>(W) 483 x (H) 2U/89mm x (D) 357mm</td>
</tr>
<tr>
<td></td>
<td>(W) 19in x (H) 2U/3.5in x (D) 14.1in incl handles and optional rear support</td>
</tr>
<tr>
<td>Weight</td>
<td>12.5kg (27.5lbs)</td>
</tr>
</tbody>
</table>
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>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Two-way micro line array module</td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>85Hz-20kHz ± 3dB, -10dB @ 76Hz</td>
</tr>
<tr>
<td><strong>Drivers</strong></td>
<td>2 x 3.5” (87mm)/1” (25mm) voice coil LF drivers, 5 x 0.55” (14mm) soft dome tweeters</td>
</tr>
<tr>
<td><strong>Rated Power</strong></td>
<td>50W AES, 200W peak</td>
</tr>
<tr>
<td><strong>Sensitivity</strong></td>
<td>84dB at LF rising to 92dB at HF</td>
</tr>
<tr>
<td><strong>Maximum SPL</strong></td>
<td>104dB continuous, 110dB peak</td>
</tr>
<tr>
<td><strong>Nominal Impedance</strong></td>
<td>16 ohms</td>
</tr>
<tr>
<td><strong>Dispersion</strong></td>
<td>100º horizontal, 5º vertical</td>
</tr>
<tr>
<td><strong>Connectors</strong></td>
<td>4 pole socket</td>
</tr>
<tr>
<td><strong>Fittings</strong></td>
<td>6 x M8 fixings for wall and flying brackets</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(W) 246mm x (H) 115mm x (D) 198mm, (W) 9.7ins x (H) 4.5ins x (D) 7.8ins</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>3.6kg (7.9lbs)</td>
</tr>
</tbody>
</table>

All information is Copyright © 2019 Martin Audio Ltd. Due to Martin Audio’s policy of continuing improvement, we reserve the right to alter these specifications without prior notice.

martin-audio.com/products/series/o-line
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.

Step 1: Venue entry

Step 2: Set coverage parameters

Step 3: Calculate splay angles

Step 4: Optimisation and upload
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.
SX Subwoofers

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.

martin-audio.com/products/series/sx
**SX110**

**TYPE**
Ultra-compact, direct radiating subwoofer

**FREQUENCY RESPONSE (1)**
50Hz-150Hz ± 3dB

**-10dB @ 42Hz**

**DRIVER**
1 x 10" (250mm)/2" (50mm) voice coil, long excursion, ferrite magnet

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

**RECOMMENDED AMPLIFIER**
VIA 2502

**SENSITIVITY (10)**
97dB

**MAXIMUM SPL (9)**
121dB continuous, 127dB peak (half space)

**DISPERSION (-6dB)**
Omnidirectional

**CROSSOVER**
80-120Hz active

**ENCLOSURE**
Plywood

**FINISH**
Black or white

**PROTECTIVE GRILLE**
Perforated steel

**CONNECTORS**
2 x NL4 type

**PIN CONNECTIONS (INPUT)**
+1, -1 Link through: +2, -2

**PIN CONNECTIONS (LINK)**
+1, -1 Link through: +2, -2

**FITTINGS**
12 x M8 inserts

**DIMENSIONS (INCL FEET)**
(W) 417mm x (H) 297mm x (D) 415mm

**WEIGHT**
12kg (26.5lbs)

---

**SX112**

**TYPE**
Compact, single driver, direct radiating subwoofer

**FREQUENCY RESPONSE (1)**
48Hz-150Hz ± 3dB, -10dB @ 35Hz

**DRIVER**
2 x 10" (250mm)/2" (50mm) voice coil, long excursion, ferrite magnet, waterproof cone

**RATED POWER (2)**
500W AES, 2000W peak

**RECOMMENDED AMPLIFIER**
iK81 / VIA2502/5002/5004

**SENSITIVITY (10)**
103dB

**MAXIMUM SPL (9)**
127dB continuous, 133dB peak (half space)

**NOMINAL IMPEDANCE**
4 ohms

**CONNECTORS**
2 x NL4 type

**FITTINGS**
12 x M10 inserts

**DIMENSIONS (INCL FEET)**
(W) 487mm x (H) 385mm x (D) 410mm

**WEIGHT**
21.5kg (47.3lbs)

---

**SX210**

**TYPE**
Slimline, direct radiating subwoofer

**FREQUENCY RESPONSE (1)**
50Hz-150Hz ± 3dB

**-10dB @ 42Hz**

**DRIVER**
2 x 10" (250mm)/2" (50mm) voice coil, long excursion, ferrite magnet

**RATED POWER (2)**
500W AES, 2000W peak

**RECOMMENDED AMPLIFIER**
VIA 2004/5002/5004

**SENSITIVITY (10)**
103dB

**MAXIMUM SPL (9)**
127dB continuous, 133dB peak (half space)

**NOMINAL IMPEDANCE**
4 ohms

**CONNECTORS**
2 x NL4 type

**FITTINGS**
12 x M10 inserts, 2 x bar handles

**DIMENSIONS (INCL FEET)**
(W) 720mm x (H) 295mm x (D) 465mm

**WEIGHT**
20kg (44.1lbs)

---

**SX212**

**TYPE**
Compact, dual-driver, direct radiating subwoofer

**FREQUENCY RESPONSE (1)**
48Hz-150Hz ± 3dB, -10dB @ 35Hz

**DRIVER**
2 x 12" (300mm)/3" (75mm) voice coil, long excursion, ferrite magnet, waterproof cone

**RATED POWER (2)**
800W AES, 3200W peak

**RECOMMENDED AMPLIFIER**
iK42 / VIA5002/5004

**SENSITIVITY (10)**
106dB

**MAXIMUM SPL (9)**
132dB continuous, 138dB peak (half space)

**NOMINAL IMPEDANCE**
4 ohms

**CONNECTORS**
2 x NL4 type

**FITTINGS**
12 x M10 inserts

**DIMENSIONS (INCL FEET)**
(W) 872mm x (H) 385mm x (D) 437mm

**WEIGHT**
39kg (86lbs)

---

All information is Copyright © 2019 Martin Audio Ltd. Due to Martin Audio’s policy of continuing improvement, we reserve the right to alter these specifications without prior notice.
### SXF115

**Type:** Compact, direct radiating subwoofer  
**Frequency Response (1):** 50Hz – 150Hz ±3dB, -10dB @ 42Hz  
**Driver:** 15” (380mm)/4” (100mm) voice coil, long excursion, ferrite magnet  
**System Amplifier:** iKON iK42, iK81  
**Sensitivity (10):** 103dB  
**Nominal Impedance:** 4 ohms  
**Connectors:** 2 x NL4  
**Fittings:** Two skids on base, with mating channels on top. M20 top-mounted thread plate for pole mounting. Integral flyware for suspension of up to 4 SXF115. Large bar handle on each side. Two front-mounted latch plates for wheelboard.  
**Dimensions (Incl Skids):** (W) 500mm x (H) 510mm x (D) 575mm (725mm incl. wheelboard)  
**Weight:** 45kg (99lbs)  

### SX118

**Type:** Compact, direct radiating subwoofer  
**Frequency Response (1):** 47Hz – 150Hz ±3dB, -10dB @ 41Hz  
**Driver:** 18” (460mm)/4” (100mm) voice coil, long excursion, ferrite magnet, waterproof cone  
**System Amplifier:** iKON iK42, iK81  
**Sensitivity (10):** 102dB  
**Nominal Impedance:** 8 ohms  
**Connectors:** 2 x NL4  
**Fittings:** Two skids on base, with mating channels on top. 16 x M8 inserts for optional castors. 24 x M10 mounting points. 4 x bar handles, 2 on each side. 4 x fittings for optional transit cover. M20 pole mount insert.  
**Dimensions (Incl Skids):** (W) 600mm x (H) 509mm x (D) 632mm (760mm including castors)  
**Weight:** 47kg (104lbs)  

### SX218

**Type:** Dual-driver, direct radiating subwoofer  
**Frequency Response (1):** 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 (10):** 104dB  
**Nominal Impedance:** 4 ohms  
**Connectors:** 2 x NL4  
**Fittings:** Two skids on base, with mating channels on top. 16 x M8 inserts for optional castors. 24 x M10 mounting points. 4 x bar handles, 2 on each side. 4 x fittings for optional transit cover. M20 pole mount insert.  
**Dimensions (Incl Skids):** (W) 1085mm x (H) 537mm x (D) 792mm (920mm including castors)  
**Weight:** 62kg (137lbs), with castors 120kg (265lbs)
**SXC118**

**TYPE**
Compact, cardioid subwoofer

**FREQUENCY RESPONSE**
43Hz – 150Hz ±3dB, -10dB @ 34Hz

**DRIVERS**
- 18" (460mm)/4" (100mm) voice coil, long excursion, ferrite magnet, waterproof cone
- 14" (356mm)/3.5" (88mm) voice coil, long excursion, neodymium magnet, waterproof cone

**RATED POWER (2)**
- 18": 1000W AES, 4000W peak
- 14": 800W AES, 3200W peak

**SYSTEM AMPLIFIER**
iKON iK42

**SENSITIVITY**
104dB

**MAXIMUM SPL**
140dB peak

**NOMINAL IMPEDANCE**
18": 8 ohms, 14": 8 ohms

**DISPERSION**
Cardioid

**CONNECTOR**
2 x NL4

**FITTINGS**
- Two skids on base, with mating channels on top
- Two bar handles on each side
- Four fittings for optional transit cover
- 16 x M8 inserts for optional castors

**DIMENSIONS (INCL SKIDS)**
(385mm x (H) 603mm x (D) 824mm (952mm incl castors)

**WEIGHT**
69kg (152lbs), 73kg (161lbs) incl castors

---

**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

**PEAK OUTPUT POWER**
2000W total

**AC INPUT OPERATING RANGE**
0V – 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 (INCL CASTORS)**
(305mm x (H) 509mm x (D) 632mm (760mm incl castors)

**WEIGHT**
50kg (110lbs) excluding Transit cover

---

**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**
Two 2 channel switch-mode, class D, Bridged Tied Load

**PEAK OUTPUT POWER**
4000W

**AC INPUT OPERATING RANGE**
0V – 265V — AC, 50 - 60Hz

**FITTINGS**
- Two skids on base, with mating channels on top
- 16 x M8 inserts for optional castors
- 16 x M10 mounting points
- 2x bar handles, 1 on each side
- 4x fittings for optional transit cover
- Optional weather protection cowl
- M20 pole mount insert

**ACCESSORIES**
- Transit Cover

**DIMENSIONS (INCL CASTORS)**
(305mm x (H) 509mm x (D) 632mm (760mm incl castors)

**WEIGHT**
105kg (231lbs) excluding Transit cover

---

All information is Copyright © 2019 Martin Audio Ltd. Due to Martin Audio’s policy of continuing improvement, we reserve the right to alter these specifications without prior notice.
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.

 martin-audio.com/products/series/xe
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):
- Bi-amp: 140dB peak
- Passive: 139dB peak

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

DISPERSION (-6dB):
- 60° horizontal, 30° 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) 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): 138dB peak

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

DISPERSION (-6dB):
- 60° 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)
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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Two-way, bi-amp/passive Coaxial Differential Dispersion stage monitor</td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>68Hz-1kHz ± 3dB, -10dB @ 50Hz</td>
</tr>
</tbody>
</table>
| **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**               | 400W AES, 1600W peak |
| **Recommended Amplifier**     | MA3.0, MA5.0Q |
| **Sensitivity**               | LF: 100dB, HF: 103dB |
| **Maximum SPL**               | 133dB peak |
| **Nominal Impedance**         | LF/FR: 8 ohms, HF: 8 ohms |
| **Dispersion**                | 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 Inc. 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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Two-way passive, Coaxial Differential Dispersion stage monitor</td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>78Hz-20kHz ± 3dB, -10dB @ 50Hz</td>
</tr>
</tbody>
</table>
| **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**               | 300W AES, 1200W peak |
| **Recommended Amplifier**     | MA2.0, MA3.0, MA5.0Q |
| **Sensitivity**               | 97dB |
| **Maximum SPL**               | 129dB peak |
| **Nominal Impedance**         | 8 ohms |
| **Dispersion**                | 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 Inc. Feet**      | (W) 496mm x (H) 305mm x (D) 472mm
   | (W) 19.5ins x (H) 12.0ins x (D) 18.6ins |
| **Weight**                    | 18kg (39.7lbs) |

All information is Copyright © 2019 Martin Audio Ltd. Due to Martin Audio’s policy of continuing improvement, we reserve the right to alter these specifications without prior notice.
CDD-LIVE!

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”) (55mm) voice coil, long excursion, shared ferrite motor system with HF
HF: 1” (25mm) exit/1.4” (38mm) voice coil, polyniide dome compression driver

INPUT SENSITIVITY
-25dBu for 100dB SPL

MAXIMUM SPL
116dB continuous / 122dB peak

DISPERSION
110˚ “horizontal, 60˚ vertical (user-rotatable)

AMPLIFIER TYPE
2 channel switch-mode, class D

PEAK OUTPUT POWER
1000W LF, 300W HF

AC INPUT OPERATING RANGE
95 – 265V, 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

WEIGHT
14kg (30.8lbs) excluding Transit cover

CDD-LIVE 10

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

FREQUENCY RESPONSE
62Hz – 20kHz ±3dB, -10dB @ 50Hz

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

INPUT SENSITIVITY
-30dBu for 100dB SPL

MAXIMUM SPL
122dB continuous / 128dB peak

DISPERSION
110˚ “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
95 – 265V, 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

WEIGHT
28kg (61.6lbs) excluding Transit cover

CDD-LIVE 12

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

FREQUENCY RESPONSE
62Hz – 20kHz ±3dB, -10dB @ 50Hz

DRIVER
LF: 15” (380mm)/3” (75mm) voice coil, long excursion, shared ferrite motor system with HF
HF: 1” (25mm) exit/1.4” (38mm) voice coil, polyniide dome compression driver

INPUT SENSITIVITY
-25dBu for 100dB SPL

MAXIMUM SPL
118dB continuous / 124dB peak

DISPERSION
110˚ “horizontal, 60˚ vertical (user-rotatable)

AMPLIFIER TYPE
2 channel switch-mode, class D

PEAK OUTPUT POWER
2000W LF, 500W HF

AC INPUT OPERATING RANGE
95 – 265V, 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

WEIGHT
28kg (61.6lbs) excluding Transit cover
SELF-POWERED POINT SOURCE: CDD-LIVE!

[Image of a church interior with sound equipment and diagrams of speaker setups]
TH Series

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 maximises 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.
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)
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)
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)
XD Series

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 (5)**
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: 99dB
- LF: 100dB
- HF: 108dB

**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

**DIMENSIONS**
- (W) 429mm x (H) 690mm x (D) 414mm
- (W) 16.8ins 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 (5)**
65Hz-20kHz ± 3dB, -10dB @ 45Hz

**DRIVERS**
- 12” (300mm)/2” (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

**DIMENSIONS**
- (W) 360mm x (H) 571mm x (D) 341mm
- (W) 14.2ins x (H) 22.5ins x (D) 13.4ins

**WEIGHT**
19.5kg (43lbs)

---

All information is Copyright © 2019 Martin Audio Ltd. Due to Martin Audio’s policy of continuing improvement, we reserve the right to alter these specifications without prior notice.
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.
### CDD5

**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, ferrite motor system
- HF: 1” (25mm) 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
- (W) 10.1ins x (H) 16.1ins x (D) 9.9ins

**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)**
80Hz-20kHz ± 3dB, -10dB @ 70Hz

**Coaxial Driver**
- LF: 6.5” (165mm)/1.5” (38mm) voice coil, long excursion, ferrite motor system
- HF: 1” 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, 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
- (W) 8.3ins x (H) 12.8ins x (D) 8.3ins

**Weight**
5.5kg (12.1lbs)

---

### CDD6

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

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

**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)**
126dB 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 M8 inserts for wall/ceiling brackets, 10 x M8 fly points

**Dimensions**
- (W) 323mm x (H) 513mm x (D) 310mm
- (W) 12.7ins x (H) 20.2ins x (D) 12.2ins

**Weight**
15.3kg (33.7lbs)

---

### CDD10

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

**Frequency Response (2)**
65Hz-20kHz ± 3dB, -10dB @ 70Hz

**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, neodymium dome compression driver

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

**Sensitivity (8)**
96dB

**Maximum SPL (9)**
126dB continuous, 126dB peak

**Nominal Impedance**
6 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 M8 fly points

**Dimensions**
- (W) 323mm x (H) 513mm x (D) 310mm
- (W) 12.7ins x (H) 20.2ins x (D) 12.2ins

**Weight**
15.3kg (33.7lbs)
### 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) 360ins 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 @ 45Hz

**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)**
124dB continuous, 132dB peak

**NOMINAL IMPEDANCE**
6 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) 16.1ins 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” (133mm)/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)
90dB

MAXIMUM SPL (9)
110dB continuous, 116dB peak

NOMINAL IMPEDANCE
8 ohms

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

PROTECTIVE GRILLE
Zinc plated mild steel with powder coated finish and weatherised backing

ENVIRONMENTAL
Rated at IP54

CONNECTORS
Low profile 13A push-lock, weatherproof input panel cover with dual cable glands

FITTINGS
6 x M6 inserts for wall/ceiling brackets

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

WEIGHT
9.8kg (21.6lbs)

CDD5 is supplied with wall mount tilt/pan bracket

martin-audio.com/products/series/cdd

PASSIVE POINT SOURCE : CDD SERIES - WEATHERISED

CDD8-WR

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

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

COAXIAL DRIVER
LF: 8” (200mm)/2” (50mm) voice coil, long excursion, ferrite motor system with HF
HF: 1” (25mm) exit/1.4” (38mm) voice coil, fabric 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)

PROTECTIVE GRILLE
Zinc plated mild steel with powder coated finish and weatherised backing

ENVIRONMENTAL
Rated at IP54

CONNECTORS
Low profile 13A push-lock, weatherproof input panel cover with cable gland

FITTINGS
4 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)
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, 126dB 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
Rated at IP54

CONNECTORS
Low profile 13A push-lock, weatherproof input panel cover with dual cable glands

FITTINGS
6 x M5 inserts for wall/ceiling brackets

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

WEIGHT
3.4kg (7.5lbs)

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 with HF
HF: 1” (25mm) exit/1.4” (38mm) voice coil, fabric dome compression driver

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

SENSITIVITY (8)
96dB

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

NOMINAL IMPEDANCE
8 ohms

DISPERSION (-6dB)
110º-75º horizontal, 90º 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) 323mm x (H) 513mm x (D) 310mm

WEIGHT
15.5kg (34.2lbs)

All information is Copyright © 2019 Martin Audio Ltd. Due to Martin Audio’s policy of continuing improvement, we reserve the right to alter these specifications without prior notice.

16/04/2019   16:17
### CDD12-WR

<table>
<thead>
<tr>
<th><strong>TYPE</strong></th>
<th>Compact, high-output, Coaxial Differential Dispersion passive two-way system</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FREQUENCY RESPONSE (5)</strong></td>
<td>62Hz-20kHz ± 3dB, -10dB @ 50Hz</td>
</tr>
<tr>
<td><strong>COAXIAL DRIVER</strong></td>
<td>LF: 12” (300mm)/2.5” (63.5mm) voice coil, long excursion, shared ferrite motor system with HF HF: 1” (25mm) voice coil, polyimide dome compression driver</td>
</tr>
<tr>
<td><strong>RATED POWER (2)</strong></td>
<td>300W AES, 1200W peak</td>
</tr>
<tr>
<td><strong>SENSITIVITY (8)</strong></td>
<td>91dB</td>
</tr>
<tr>
<td><strong>MAXIMUM SPL (9)</strong></td>
<td>122dB continuous, 126dB peak</td>
</tr>
<tr>
<td><strong>NOMINAL IMPEDANCE</strong></td>
<td>8 ohms</td>
</tr>
<tr>
<td><strong>DISPERSION (-6dB)</strong></td>
<td>110º-60º horizontal, 60º vertical (user-rotatable)</td>
</tr>
<tr>
<td><strong>PROTECTIVE GRILLE</strong></td>
<td>Zinc plated mild steel with powder coated finish and weatherized backing</td>
</tr>
<tr>
<td><strong>ENVIRONMENTAL</strong></td>
<td>Rated at IP54</td>
</tr>
<tr>
<td><strong>CONNECTORS</strong></td>
<td>Low profile 20A push-lock, weatherproof input panel cover with cable gland</td>
</tr>
<tr>
<td><strong>FITTINGS</strong></td>
<td>6 x M8 inserts for wall/ceiling brackets, 10 x M8 fly points</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>(W) 360mm x (H) 571mm x (D) 350mm</td>
</tr>
<tr>
<td></td>
<td>(W) 14.2ins x (H) 22.5ins x (D) 13.8ins</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>19.8kg (43.6lbs)</td>
</tr>
</tbody>
</table>

### CDD15-WR

<table>
<thead>
<tr>
<th><strong>TYPE</strong></th>
<th>High-output, Coaxial Differential Dispersion passive two-way system</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FREQUENCY RESPONSE (5)</strong></td>
<td>55Hz-18kHz ± 3dB, -10dB @ 45Hz</td>
</tr>
<tr>
<td><strong>COAXIAL DRIVER</strong></td>
<td>LF: 15” (380mm)/3” (75mm) voice coil, long excursion, shared ferrite motor system with HF HF: 1.4” (36mm) voice coil, titanium dome compression driver</td>
</tr>
<tr>
<td><strong>RATED POWER (2)</strong></td>
<td>400W AES, 1600W peak</td>
</tr>
<tr>
<td><strong>SENSITIVITY (8)</strong></td>
<td>100dB</td>
</tr>
<tr>
<td><strong>MAXIMUM SPL (9)</strong></td>
<td>126dB continuous, 132dB peak</td>
</tr>
<tr>
<td><strong>NOMINAL IMPEDANCE</strong></td>
<td>8 ohms</td>
</tr>
<tr>
<td><strong>DISPERSION (-6dB)</strong></td>
<td>100º-60º horizontal, 60º vertical (user-rotatable)</td>
</tr>
<tr>
<td><strong>PROTECTIVE GRILLE</strong></td>
<td>Zinc plated mild steel with powder coated finish and weatherized backing</td>
</tr>
<tr>
<td><strong>ENVIRONMENTAL</strong></td>
<td>Rated at IP54</td>
</tr>
<tr>
<td><strong>CONNECTORS</strong></td>
<td>Low profile 20A push-lock, weatherproof input panel cover with cable gland</td>
</tr>
<tr>
<td><strong>FITTINGS</strong></td>
<td>10 x M8 fly points</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>(W) 429mm x (H) 691mm x (D) 413mm</td>
</tr>
<tr>
<td></td>
<td>(W) 16.9ins x (H) 27.2ins x (D) 16.3ins</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>28.3kg (62.4lbs)</td>
</tr>
</tbody>
</table>
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.
<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Frequency Response</th>
<th>Drivers</th>
<th>Rated Power</th>
<th>Sensitivity</th>
<th>Maximum SPL</th>
<th>Nominal Impedance</th>
<th>Connectors</th>
<th>Fittings</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>X8</td>
<td>Ultra-compact, passive two-way system</td>
<td>70Hz-20kHz ± 3dB</td>
<td>LF: 6&quot; (150mm) voice coil, ferrite motor system</td>
<td>200W AES, 800W peak</td>
<td>92dB</td>
<td>115dB continuous, 124dB peak</td>
<td>8 ohms</td>
<td>2 x NL4 type</td>
<td>13 x M6, 6 x M6 inserts, pole-mount socket, 1 x pocket handle</td>
<td>(W) 257mm x (H) 422mm x (D) 243mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-10dB @ 60Hz</td>
<td>HF: 1&quot; (25mm) voice coil, polyester dome compression driver</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8kg (17.6lbs)</td>
</tr>
<tr>
<td>X12</td>
<td>Compact, passive two-way system</td>
<td>62Hz-20kHz ± 3dB</td>
<td>LF: 12&quot; (300mm) voice coil, ferrite motor system</td>
<td>300W AES, 1200W peak</td>
<td>97dB</td>
<td>122dB continuous, 132dB peak</td>
<td>8 ohms</td>
<td>2 x NL4 type</td>
<td>20 x M8 inserts, pole-mount socket, 1 x bar handle</td>
<td>(W) 358mm x (H) 574mm x (D) 337mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-10dB @ 50Hz</td>
<td>HF: 1&quot; (25mm) voice coil, polyester dome compression driver</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17kg (37.5lbs)</td>
</tr>
<tr>
<td>X10</td>
<td>Compact, passive two-way system</td>
<td>65Hz-20kHz ± 3dB</td>
<td>LF: 10&quot; (250mm) voice coil, ferrite motor system</td>
<td>250W AES, 1000W peak</td>
<td>94dB</td>
<td>116dB continuous, 124dB peak</td>
<td>8 ohms</td>
<td>2 x NL4 type</td>
<td>19 x M8 inserts, pole-mount socket, 1 x bar handle</td>
<td>(W) 324mm x (H) 522mm x (D) 289mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-10dB @ 55Hz</td>
<td>HF: 1&quot; (25mm) voice coil, polyester dome compression driver</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14kg (30.9lbs)</td>
</tr>
<tr>
<td>X15</td>
<td>High-power, passive two-way system</td>
<td>55Hz-20kHz ± 3dB</td>
<td>LF: 15&quot; (380mm) voice coil, ferrite motor system</td>
<td>400W AES, 1600W peak</td>
<td>99dB</td>
<td>125dB continuous, 131dB peak</td>
<td>8 ohms</td>
<td>2 x NL4 type</td>
<td>19 x M8 inserts, pole-mount socket, 2 x bar handles</td>
<td>(W) 427mm x (H) 690mm x (D) 419mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-10dB @ 45Hz</td>
<td>HF: 1&quot; (25mm) voice coil, polyester dome compression driver</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>24kg (52.9lbs)</td>
</tr>
</tbody>
</table>
## X115

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Compact, direct radiating subwoofer</td>
</tr>
<tr>
<td><strong>Frequency Response (1)</strong></td>
<td>45Hz-150Hz ± 3dB, -10dB @ 40Hz</td>
</tr>
<tr>
<td><strong>Driver</strong></td>
<td>15” (380mm)/3” (75mm) voice coil, long excursion, ferrite magnet</td>
</tr>
<tr>
<td><strong>Rated Power (2)</strong></td>
<td>500W AES, 2000W peak</td>
</tr>
<tr>
<td><strong>Sensitivity (10)</strong></td>
<td>102dB</td>
</tr>
<tr>
<td><strong>Maximum SPL (9)</strong></td>
<td>129dB continuous, 135dB peak (half space)</td>
</tr>
<tr>
<td><strong>Nominal Impedance</strong></td>
<td>8 ohms</td>
</tr>
<tr>
<td><strong>Connectors</strong></td>
<td>3 x NL4 type</td>
</tr>
<tr>
<td><strong>Fittings</strong></td>
<td>16 x M10 inserts, pole-mount socket, provision for castors</td>
</tr>
<tr>
<td><strong>Dimensions (Incl Feet)</strong></td>
<td>(W) 465mm x (H) 590mm x (D) 565mm, (W) 18.3ins x (H) 23.2ins x (D) 22.2ins</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>27kg (59.5lbs)</td>
</tr>
</tbody>
</table>

## X118

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Compact, direct radiating subwoofer</td>
</tr>
<tr>
<td><strong>Frequency Response (1)</strong></td>
<td>42Hz-150Hz ± 3dB, -10dB @ 30Hz</td>
</tr>
<tr>
<td><strong>Driver</strong></td>
<td>18” (460mm)/3” (75mm) voice coil, long excursion, ferrite magnet</td>
</tr>
<tr>
<td><strong>Rated Power (2)</strong></td>
<td>500W AES, 2000W peak</td>
</tr>
<tr>
<td><strong>Sensitivity (10)</strong></td>
<td>104dB</td>
</tr>
<tr>
<td><strong>Maximum SPL (9)</strong></td>
<td>131dB continuous, 137dB peak (half space)</td>
</tr>
<tr>
<td><strong>Nominal Impedance</strong></td>
<td>8 ohms</td>
</tr>
<tr>
<td><strong>Connectors</strong></td>
<td>3 x NL4 type</td>
</tr>
<tr>
<td><strong>Fittings</strong></td>
<td>16 x M10 inserts, pole-mount socket, provision for castors</td>
</tr>
<tr>
<td><strong>Dimensions (Incl Feet)</strong></td>
<td>(W) 530mm x (H) 669mm x (D) 640mm, (W) 20.9ins x (H) 26.3ins x (D) 25.2ins</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>33kg (72.7lbs)</td>
</tr>
</tbody>
</table>
ADORN Series

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

Aesthetic Enclosures
ADORN full-range 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.

Low Impedance and Transformer Options
The A40 and A55 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. Their ‘T’-designated options 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 both low-impedance and transformer models.
### A40

**Type**: Ultra-compact passive two-way system, front ported bass reflex

**Frequency Response (1)**
- 90Hz-17kHz ± 3dB
- -10dB @ 70Hz

**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

**Recommended Amplifier**: VIA2004

**Sensitivity (1)**
- 87dB/1W/1m

**Maximum SPL (9)**
- 109dB peak

**Nominal Impedance**: 16 ohms

**Dispersion (-6dB)**
- 110° H x 80° V

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

**Recommended High-Pass Filter**: 60Hz 24dB/oct

**Enclosure**: ABS, UL 94V-0 rated

**Finish**: Black or white

**Fittings**: Wall bracket included

**Dimensions excl. bracket**
- (W) 124mm x (H) 200mm x (D) 114mm

**Weight**: 1.75kg (3.9lbs)

### A55

**Type**: Ultra-compact passive two-way system, front ported bass reflex

**Frequency Response (1)**
- 90Hz-17kHz ± 3dB
- -10dB @ 65Hz

**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

**Recommended Amplifier**: VIA5002 [In conjunction with suitable line transformer]

**Sensitivity (1)**
- 90dB/1W/1m

**Maximum SPL (9)**
- 113dB peak

**Nominal Impedance**: 16 ohms

**Dispersion (-6dB)**
- 110° H x 80° V

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

**Recommended High-Pass Filter**: 60Hz 24dB/oct

**Enclosure**: ABS, UL 94V-0 rated

**Finish**: Black or white

**Fittings**: Wall bracket included

**Dimensions excl. bracket**
- (W) 152mm x (H) 245mm x (D) 140mm

**Weight**: 2.21kg (4.9lbs)

### A40T

**Type**: Ultra-compact passive two-way system, front ported bass reflex

**Frequency Response (1)**
- 90Hz-17kHz ± 3dB
- -10dB @ 70Hz

**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, 180W peak

**Recommended Amplifier**: VIA 500Z [In conjunction with suitable line transformer]

**Sensitivity (1)**
- 87dB/1W/1m

**Maximum SPL (9)**
- 105dB peak

**Nominal Impedance**: 16 ohms

**Dispersion (-6dB)**
- 110° H x 80° V

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

**Transformer Taps**
- 70V: 20w / 10w / 5w / 2.5w
- 100V: 20w / 10w / 5w

**Recommended High-Pass Filter**: 60Hz 24dB/oct

**Enclosure**: ABS, UL 94V-0 rated

**Finish**: Black or white

**Fittings**: Wall bracket included

**Dimensions excl. bracket**
- (W) 124mm x (H) 200mm x (D) 114mm

**Weight**: 1.23kg (2.7lbs)

### A55T

**Type**: Ultra-compact passive two-way system, front ported bass reflex

**Frequency Response (1)**
- 90Hz-17kHz ± 3dB
- -10dB @ 65Hz

**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

**Recommended Amplifier**: VIA5002 [In conjunction with suitable line transformer]

**Sensitivity (1)**
- 90dB/1W/1m

**Maximum SPL (9)**
- 113dB peak

**Nominal Impedance**: 16 ohms

**Dispersion (-6dB)**
- 110° H x 80° V

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

**Transformer Taps**
- 70V: 30w / 15w / 7.5w / 3.75w
- 100V: 30w / 15w / 7.5w

**Recommended High-Pass Filter**: 60Hz 24dB/oct

**Enclosure**: ABS, UL 94V-0 rated

**Finish**: Black or white

**Fittings**: Wall bracket included

**Dimensions excl. bracket**
- (W) 152mm x (H) 245mm x (D) 140mm

**Weight**: 2.13kg (4.7lbs)
Ceiling Series

Comprising the C4.8T, C6.8T and C8.1T, the Ceiling Series brings Martin Audio innovation and sound quality to the ceiling speaker install sector. Providing smooth articulate sound with high intelligibility, the Ceiling Series proves that superb sonic performance need not be sacrificed to meet the requirements of a life safety system.

The C4.8T, C6.8T and C8.1T cater for various ceiling heights and desired output levels. All are 2-way designs using soft dome tweeters for the widest dispersion and excellent off-axis performance. Wide dispersion means that less speakers are needed to cover a given area — so a superior ceiling product can be specified yet remain commercially competitive. All models have perforated steel grilles, UL94 V-0 baffle materials, and steel back cans. They have been designed in accordance with IEC60849/EN60849 and are UL2043 and UL1480 certified.

All three models are 16 ohm impedance to simplify the use of multiple units in low impedance systems, and each is fitted with a high specification transformer, enabling power selection for either 70V or 100V operation via a front mounted rotary switch.

From low-ceiling corridors and retail outlets to concourses and large ballrooms, the Martin Audio Ceiling Series is the byword for high-fidelity performance, reliability and ease-of-installation.
### C8.1T

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Ceiling mounted, two-way vented enclosure</td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>80Hz-18kHz ± 3dB, -10dB @ 50Hz</td>
</tr>
<tr>
<td><strong>Drivers</strong></td>
<td>8” (200mm) UL94V-0 PP bass driver, 1” (25mm) dome tweeter</td>
</tr>
<tr>
<td><strong>Rated Power</strong></td>
<td>125W AES, 500W peak</td>
</tr>
<tr>
<td><strong>Sensitivity</strong></td>
<td>91dB</td>
</tr>
<tr>
<td><strong>Maximum SPL</strong></td>
<td>112dB continuous, 116dB peak</td>
</tr>
<tr>
<td><strong>Nominal Impedance</strong></td>
<td>16 ohms</td>
</tr>
<tr>
<td><strong>Dispersion</strong></td>
<td>90° conical up to 7kHz</td>
</tr>
<tr>
<td><strong>Connectors</strong></td>
<td>Rising clamp plug and socket</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td>60W 70/100V line transformer</td>
</tr>
<tr>
<td><strong>Voltage Taps</strong></td>
<td>100V – 60W, 300V, 15W</td>
</tr>
<tr>
<td><strong>Cut-Out Diameter</strong></td>
<td>308mm (12.13ins)</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(OD) 354mm x (D) 258mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>6.7kg (14.8lbs)</td>
</tr>
</tbody>
</table>

### C4.8T

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Ceiling mounted, two-way vented enclosure</td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>100Hz-20kHz ± 3dB, -10dB @ 80Hz</td>
</tr>
<tr>
<td><strong>Drivers</strong></td>
<td>4” (100mm) UL94V-0 PP bass driver, 0.8” (19mm) dome tweeter</td>
</tr>
<tr>
<td><strong>Rated Power</strong></td>
<td>40W AES, 160W peak</td>
</tr>
<tr>
<td><strong>Sensitivity</strong></td>
<td>86dB</td>
</tr>
<tr>
<td><strong>Maximum SPL</strong></td>
<td>102dB continuous, 108dB peak</td>
</tr>
<tr>
<td><strong>Nominal Impedance</strong></td>
<td>16 ohms</td>
</tr>
<tr>
<td><strong>Dispersion</strong></td>
<td>180° conical up to 10kHz</td>
</tr>
<tr>
<td><strong>Connectors</strong></td>
<td>Rising clamp plug and socket</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td>25W 70/100V line transformer</td>
</tr>
<tr>
<td><strong>Voltage Taps</strong></td>
<td>100V – 25W, 12.5W, 6W</td>
</tr>
<tr>
<td><strong>Cut-Out Diameter</strong></td>
<td>178mm (7.01ins)</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(OD) 205mm x (D) 131mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>2.6kg (5.7lbs)</td>
</tr>
</tbody>
</table>

### C6.8T

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Ceiling mounted, two-way vented enclosure</td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>90Hz-20kHz ± 3dB, -10dB @ 7kHz</td>
</tr>
<tr>
<td><strong>Drivers</strong></td>
<td>6.5” (165mm) UL94V-0 PP bass driver, 0.8” (19mm) dome tweeter</td>
</tr>
<tr>
<td><strong>Rated Power</strong></td>
<td>75W AES, 300W peak</td>
</tr>
<tr>
<td><strong>Sensitivity</strong></td>
<td>89dB</td>
</tr>
<tr>
<td><strong>Maximum SPL</strong></td>
<td>107.5dB continuous, 113.5dB peak</td>
</tr>
<tr>
<td><strong>Nominal Impedance</strong></td>
<td>16 ohms</td>
</tr>
<tr>
<td><strong>Dispersion</strong></td>
<td>150° conical up to 7kHz</td>
</tr>
<tr>
<td><strong>Connectors</strong></td>
<td>Rising clamp plug and socket</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td>40W 70/100V line transformer</td>
</tr>
<tr>
<td><strong>Voltage Taps</strong></td>
<td>100V – 40W, 20W, 10W</td>
</tr>
<tr>
<td><strong>Cut-Out Diameter</strong></td>
<td>224mm (8.82ins)</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(OD) 260mm x (D) 181mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>3.5kg (7.7lbs)</td>
</tr>
</tbody>
</table>
Salcombe Harbour Hotel, UK

martin-audio.com/products/series/ceiling
Ceiling Software

To enable the quick and easy calculation of the number of ceiling speakers required for a specific area, Ceiling Speaker Wizard offers a simple and convenient solution. The length, width and height of the listening area are entered, the ceiling speaker model selected together with the speaker to speaker dB variation and input tap selection. From this information, the position of the ceiling speakers and SPL coverage are calculated.

With the Ceiling Speaker Wizard, the installer can be confident that the performance of the system will be exactly as predicted.
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

<table>
<thead>
<tr>
<th>Type</th>
<th>Eight-channel Class D amplifier</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Output Power</strong></td>
<td>10,000 Watts RMS, all channels driven</td>
</tr>
<tr>
<td><strong>Digital Signal Processing</strong></td>
<td>96kHz DSP on all inputs and outputs</td>
</tr>
<tr>
<td><strong>Cooling</strong></td>
<td>Dual van-speed fans, front-to-back airflow</td>
</tr>
<tr>
<td><strong>Maximum Ambient Temperature</strong></td>
<td>40°C (104°F)</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>20kΩ balanced to ground</td>
</tr>
<tr>
<td><strong>Maximum Analogue Input Level</strong></td>
<td>+20dBu</td>
</tr>
<tr>
<td><strong>Nominal System Gain</strong></td>
<td>32dB</td>
</tr>
<tr>
<td><strong>AES3 In/LINK (2 Channels)</strong></td>
<td>1 x female, 1 x male Neutrik™ XLR, balanced</td>
</tr>
<tr>
<td><strong>DAVTE™ (4 Channels)</strong></td>
<td>2 x shielded RJ45, primary and secondary</td>
</tr>
<tr>
<td><strong>Amplifier Outputs</strong></td>
<td>4 x Neutrik Speakon™ NL4</td>
</tr>
<tr>
<td><strong>Protocol</strong></td>
<td>Ethernet</td>
</tr>
<tr>
<td><strong>Control Application</strong></td>
<td>Martin Audio VU-NET™</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>High performance Series Resonant</td>
</tr>
<tr>
<td><strong>AC Input Operating Range</strong></td>
<td>85 – 240V ~ AC, 47 - 63Hz</td>
</tr>
<tr>
<td><strong>Mains Inrush Current</strong></td>
<td>6A at 115V, 12A at 230V (max for &lt;10ms)</td>
</tr>
<tr>
<td><strong>Mains Connector</strong></td>
<td>Neutrik 32A Powercon™</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(W) 483 x (H) 2U/89mm x (D) 357mm</td>
</tr>
<tr>
<td></td>
<td>(W) 19in x (H) 2U/3.5in x (D) 14.1in</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>12.5kg (27.5lbs)</td>
</tr>
</tbody>
</table>

### iK42

<table>
<thead>
<tr>
<th>Type</th>
<th>Four-channel Class D amplifier</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Output Power</strong></td>
<td>20,000 Watts RMS, all channels driven</td>
</tr>
<tr>
<td><strong>Digital Signal Processing</strong></td>
<td>96kHz DSP on all inputs and outputs</td>
</tr>
<tr>
<td><strong>Cooling</strong></td>
<td>Dual van-speed fans, front-to-back airflow</td>
</tr>
<tr>
<td><strong>Maximum Ambient Temperature</strong></td>
<td>40°C (104°F)</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>20kΩ balanced to ground</td>
</tr>
<tr>
<td><strong>Maximum Analogue Input Level</strong></td>
<td>+20dBu</td>
</tr>
<tr>
<td><strong>Nominal System Gain</strong></td>
<td>32dB</td>
</tr>
<tr>
<td><strong>AES3 In/LINK (2 Channels)</strong></td>
<td>1 x female, 1 x male Neutrik™ XLR, balanced</td>
</tr>
<tr>
<td><strong>DAVTE™ (4 Channels)</strong></td>
<td>2 x shielded RJ45, primary and secondary</td>
</tr>
<tr>
<td><strong>Amplifier Outputs</strong></td>
<td>4 x Neutrik Speakon™ NL4</td>
</tr>
<tr>
<td><strong>Protocol</strong></td>
<td>Ethernet</td>
</tr>
<tr>
<td><strong>Control Application</strong></td>
<td>Martin Audio VU-NET™</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>High performance Series Resonant</td>
</tr>
<tr>
<td><strong>AC Input Operating Range</strong></td>
<td>85 – 240V ~ AC, 47 - 63Hz</td>
</tr>
<tr>
<td><strong>Mains Inrush Current</strong></td>
<td>6A at 115V, 12A at 230V (max for &lt;10ms)</td>
</tr>
<tr>
<td><strong>Mains Connector</strong></td>
<td>Neutrik 32A Powercon™</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(W) 483 x (H) 2U/89mm x (D) 357mm</td>
</tr>
<tr>
<td></td>
<td>(W) 19in x (H) 2U/3.5in x (D) 14.1in</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>12.5kg (27.5lbs)</td>
</tr>
</tbody>
</table>
### VIA2004

**General**

**TYPE**
Four-channel Class D amplifier

**POWER OUTPUT**
- 4 x 500W into 4 ohms
- 4 x 250W into 8 ohms

**COOLING**
Van-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**
5 kΩ typical, balanced

**MAXIMUM ANALOGUE INPUT LEVEL**
+20dBu

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

**Audio Performance**

**FREQUENCY RESPONSE**
20Hz - 20kHz +/- 0.45dB, 4 ohm load

**TOTAL HARMONIC DISTORTION**
0.003% typical, 1kHz @ 1W

**Power Supplies**

**TYPE**
2 x high current, high frequency, switch-mode

**AC INPUT OPERATING RANGE**
100-240V +/-10%, 45 - 65Hz

**MAINS CONNECTOR**
1 x Neutrik Powercon™

**TOTAL SYSTEM EFFICIENCY**
89% (4 x 250W into 8 ohms)

**Physical**

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

**WEIGHT**
8kg (17.6lbs)

---

### VIA2502

**General**

**TYPE**
Two-channel Class D amplifier

**POWER OUTPUT**
- 2 x 1250W into 2 ohms
- 2 x 800W into 4 ohms
- 2 x 450W into 8 ohms
- 1 x 2500W bridged into 4 ohms

**COOLING**
Van-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 Supply**

**TYPE**
High current, high frequency switch-mode

**AC INPUT OPERATING RANGE**
100-240V +/-10%, 45 - 65Hz

**TOTAL SYSTEM EFFICIENCY**
> 90% typical

**MAINS CONNECTOR**
1 x Neutrik Powercon™

**Physical**

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

**WEIGHT**
8kg (17.6lbs)
VIA5002

General
Type: Two-channel Class D amplifier

Power Output**
- 2 x 2500W into 4 ohms
- 2 x 1600W 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)
- 2 x female, 2 x male Neutrik™ XLR

Analog 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

AC Input Operating Range
- 100-240V ±10%

- 45 - 65Hz

Total System Efficiency
>80% typical

Mains Connector
- 1 x Neutrik Powercon™

Dimensions
- (W) 482 x (H) 2U/88mm x (D) 441mm
- (W) 19in x (H) 2U/3.5in x (D) 17.4in

Incl handles and optional rear support

Weight
10kg (22lbs)

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

Analog 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

AC Input Operating Range
- 100-240V ±10%

- 45 - 65Hz

Total System Efficiency
>90% typical

Mains Connector
- 1 x Neutrik Powercon™

Dimensions
- (W) 482 x (H) 2U/88mm x (D) 441mm
- (W) 19in x (H) 2U/3.5in x (D) 17.4in

Incl handles and optional rear support

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>
<tr>
<td><strong>Rear Panel</strong></td>
<td></td>
</tr>
<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>
<tr>
<td><strong>Front Panel</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Audio Out and U-NET</strong></td>
<td>6 x ODU 8-pin connector ports</td>
</tr>
<tr>
<td><strong>Unit 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>
<tr>
<td><strong>Physical</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(W) 482mm x (H) 1U/44mm x (D) 268mm</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></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>4 input/8 output digital loudspeaker processor</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>0 to 45°C</td>
</tr>
<tr>
<td><strong>Humidity Range</strong></td>
<td>0 to 88% RH (non-condensing)</td>
</tr>
<tr>
<td><strong>Audio Performance</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Input Impedance</strong></td>
<td>&gt;10kΩ balanced</td>
</tr>
<tr>
<td><strong>Output Impedance</strong></td>
<td>&lt;100Ω 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>Input Dynamic Range</strong></td>
<td>&gt;120dBa typ.</td>
</tr>
<tr>
<td><strong>Output Dynamic Range</strong></td>
<td>&gt;110dBa typ.</td>
</tr>
<tr>
<td><strong>Total Harmonic Distortion</strong></td>
<td>&lt;0.008% typ. 20Hz-20kHz</td>
</tr>
<tr>
<td><strong>Digital Signal Processing</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Sample Rate</strong></td>
<td>96kHz</td>
</tr>
<tr>
<td><strong>AES Input Sample Rate</strong></td>
<td>26kHz — 100kHz</td>
</tr>
<tr>
<td><strong>AES Output Sample Rate</strong></td>
<td>96kHz</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td></td>
</tr>
<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>

### Control and Monitoring

<table>
<thead>
<tr>
<th>Protocol</th>
<th>Ethernet</th>
</tr>
</thead>
</table>

### Connectors

| **Audio Input** | 4 x 3 pin female XLR for analogue or AES3 pairs |
| **Audio Output** | 8 x 3 pin male XLR for analogue or AES3 pairs |
| **Ethernet** | 1 x shielded RJ45 |
| **DAFE™ Network** | 2 x shielded RJ45, primary and secondary |
| **Aux Port** | Phoenix connector for contact closure |
| **Mains Power** | 3 pin IEC |

### Physical

| **Dimensions** | (W) 482mm x (H) 1U/44mm x (D) 184mm |
| **Weight** | 2.7Kg (6lbs) |
**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; 56dB</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</strong></td>
<td></td>
</tr>
<tr>
<td><strong>FILTERS</strong></td>
<td>5 per input / 7 per output</td>
</tr>
<tr>
<td><strong>FILTER GAIN</strong></td>
<td>± 15dB ± 0.5dB 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</strong></td>
<td></td>
</tr>
<tr>
<td><strong>FREQUENCY RANGE</strong></td>
<td>20Hz - 20kHz</td>
</tr>
<tr>
<td><strong>RESPONSES</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Butterworth</strong></td>
<td>6dB, 12dB, 16dB, 24dB / Octave</td>
</tr>
<tr>
<td><strong>Linkwitz-Riley</strong></td>
<td>12dB, 24dB / Octave</td>
</tr>
<tr>
<td><strong>Bessel</strong></td>
<td>12dB, 24dB / Octave</td>
</tr>
<tr>
<td><strong>LIMITERS</strong></td>
<td></td>
</tr>
<tr>
<td><strong>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</strong></td>
<td></td>
</tr>
<tr>
<td><strong>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></td>
</tr>
<tr>
<td>(W)</td>
<td>482mm x (H) 44mm x (D) 229mm</td>
</tr>
<tr>
<td>(W)</td>
<td>19ins x (H) 1.73ins (1U) x (D) 9ins</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>2.6kg (5.8lbs)</td>
</tr>
</tbody>
</table>
Accessories

Martin Audio offers a comprehensive suite of accessories to cover hardware assembly, mounting, electronics, cases, cables and more. For a full list of accessories by loudspeaker, please visit any product page of the Martin Audio website.
Unite Your Audience
The Martin Audio Experience