

Powered Line Array Solutions



Pro Audio
Germany

4-ACOUSTIC
.COM

Powered Line Array Solutions

INSTALLED speakers

TOURING series

CLUB SOUND

POWERED LINE ARRAY

ELECTRONICS



We developed our 4-Acoustic Powered Line Array Series amplifier modules by working with German pros in digital signal processing (DSP) technology and Class D power amplifiers.

Our aim was to create modules that are totally reliable and deliver the best possible performance in terms of sound quality, volume output and ease of use.

This collaboration has been a great success: our powered Line Array speakers come with a state-of-the-art power amplifier module, which means we can offer products that meet the stringent quality standards of the professional audio sector.

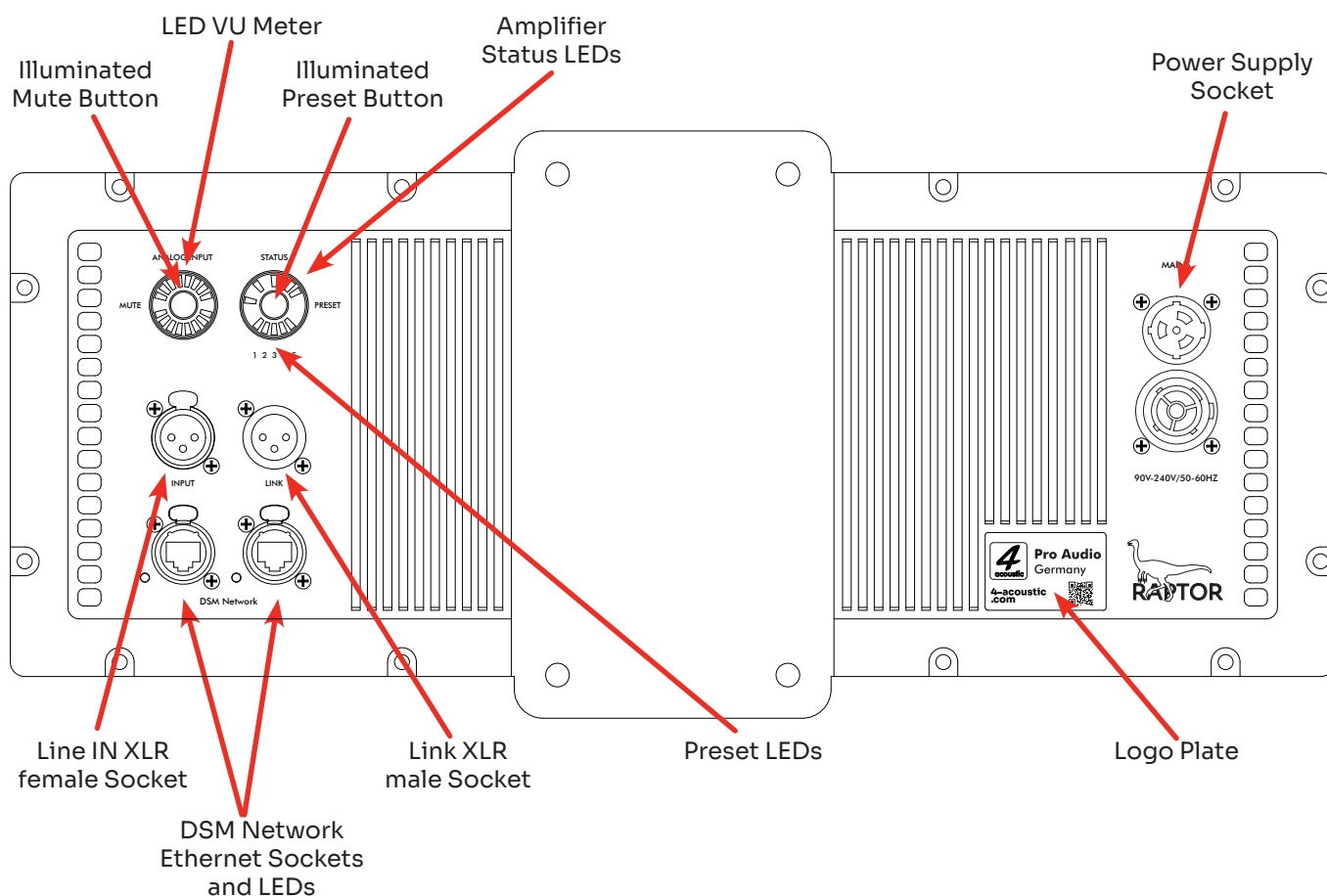
- A simple system setup
- The promised performance
- Best-possible sound quality
- Absolute operational reliability
- Customisation options
- Optional expansions
- Well-designed accessories for transportation and operation.

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The Controls

The amplifier module's controls make it a breeze to set up, even for larger stacks with 10 or more modules on each side. You can override all parameters to make sure you're getting the right settings. And when you're grouping a bunch of modules, you can pick a reference unit as a template. Then, all the settings from that reference unit will get applied to the whole group.



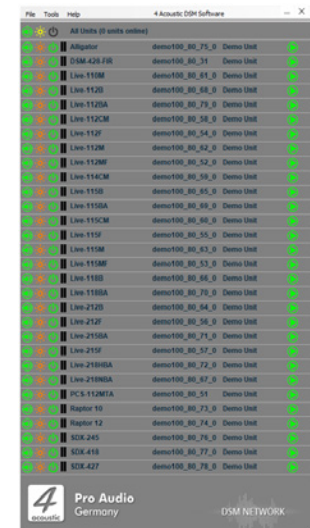
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Everything Under Control

With our DSM software, you can monitor the Live Aktiv devices remotely and adjust the settings to suit your personal preferences. The Input section provides access to additional EQs, limiters and compressors, as well as delay settings that can be used as a delay line or near-fill supplement with proper time alignment.

DSM Network Client

A single software solution for all devices. The DSM Network Client automatically scans the connected network and lists the DSM devices it finds. These may include SDX power amplifiers, active speakers, active line array speakers or DSM 19" devices. With just one click, you can open the configuration menu for the corresponding device. You can also group devices in the Network Client, allowing you to apply configuration changes quickly and reliably across the entire group.

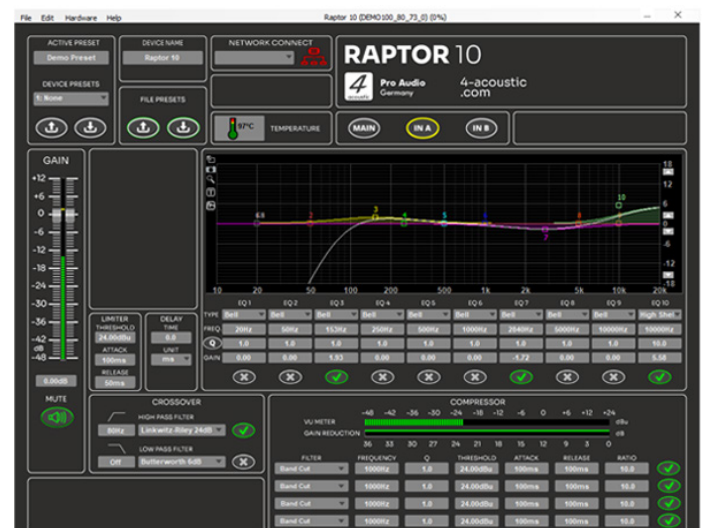


DSM Main Panel

The main panel provides an overview of all input channels and is equipped with gain controls and level meters. Depending on the device and settings, the gain controls can be adjusted using the digital potentiometers located at the back of the unit. Each channel has a mute button. When operating in stereo mode, inputs 1 and 2, as well as the optional 'Left' and 'Right' Bluetooth inputs available on some models, can be grouped together.

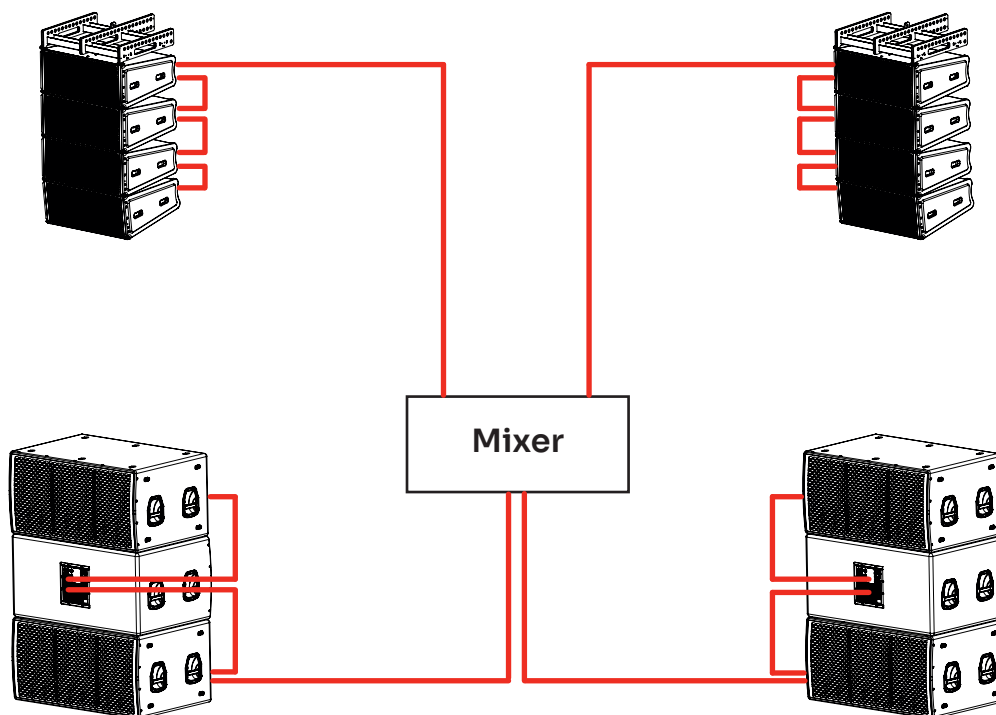
DSM Input Panel

This high-quality tool is used to process input signals in the DSM. Starting from the left, there is a gain control with a level meter and a mute button. Depending on the device and settings, the gain level is controlled by digital potentiometers on the front panel. To the right of this are the limiter and delay inputs, as well as the crossover settings for high- and low-pass filters. In the centre is the 10-band equalizer (EQ) and filter unit. Each input also features a 4-band compressor-limiter located at the bottom of the EQ unit.

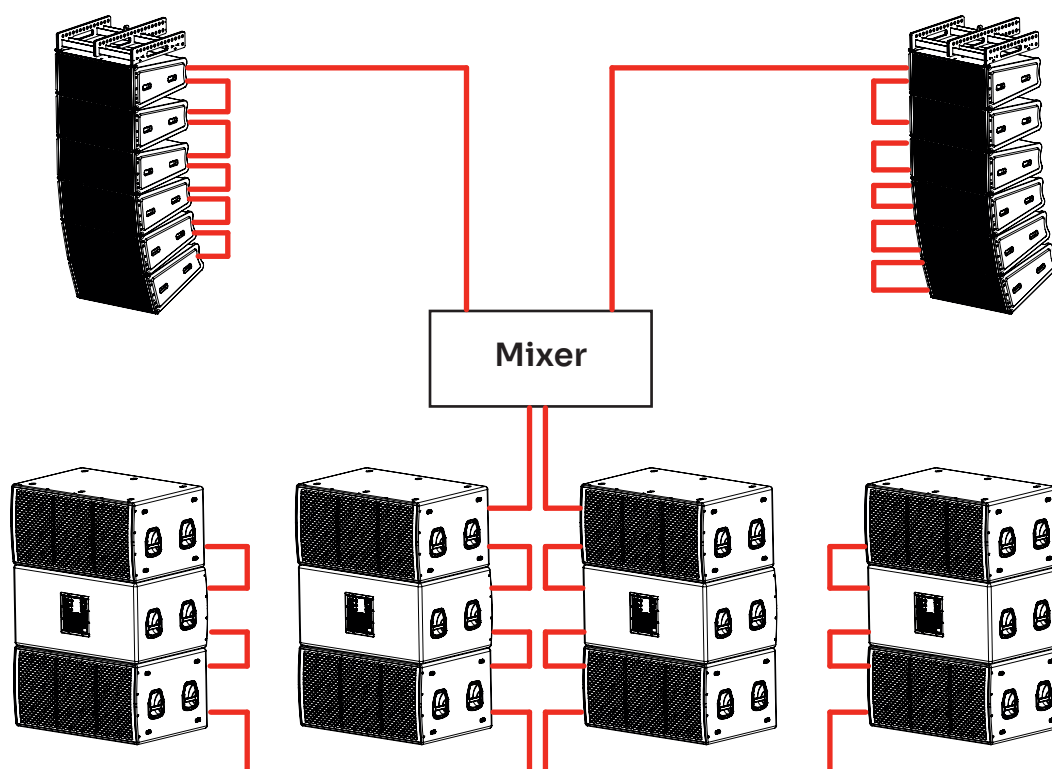


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This is an example of a powered cardioid Setup with 8 x Alligator and 6 x Live-218HB subwoofers.



This is an example of a powered cardioid Setup with 12 x Alligator and 12 x Live-218HB subwoofers.



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Alligator 2-Way Powered Line Array



The Alligator is full of technical innovations and delivers a transparent, powerful sound that will blow you away! Its two high-performance 10-inch neodymium woofers feature special Kevlar-coated cones and are tuned to a lower cutoff frequency of 75 Hz. The two 1-inch compression drivers exhibit minimal phase shift, fully corrected using FIR technology in the DSP. A phase plug in front of the two 10-inch neodymium drivers ensures optimised dispersion in the desired frequency range. The horn, which has been completely redesigned for the two 1.75-inch compression drivers, is optimised for use as a two-way system and guarantees optimal coupling of the individual Alligator modules at various angles. The oversized, 2-channel, Class D power amplifier offers incredible headroom, providing a total output of 1200 watts. Power dissipation and the associated heat generation have been minimised. The DSP is fully network-compatible and ready for AVB/MILAN operation, which can be enabled upon certification. Our DSM network client allows all connected DSM devices on the network to be displayed and opened for configuration with just one click. Groups can be created and configured synchronously. A wide range of settings is available for group options. This is really convenient! All devices can be muted simultaneously with just one click. All settings on the back of the device can also be overridden and adjusted using the DSM software. Innovative accessories such as flight frames, cases, trolleys and rain covers perfectly complement the system, leaving little to be desired.

Alligator 2-Way Powered Line Array

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Technical Specifications Alligator

GS1 (EAN) CODE	4260318513395
System Type	Dual 10" 2-way Powered Line Array Speaker
Amp	Latest Class D technology
Amplifier Power	1200 Watt
DSP	German DSP with DSM Network Control
Cooling	Variable speed fan
Frequency Range	75 Hz - 20 kHz
Maximum SPL	136dB peak @1m, 133dB continuous @1m
Connectors	1 x Neutrik® XLR female Line In 1 x Neutrik® XLR male Signal Link 1 x Neutrik® powerCON® combo True 1 Mains 2 x Neutrik® etherCON® Ethernet
Controls	Illuminated Mute and Preset push buttons
Indicators	Multi function LED rings with VU meter and Mute LED Multi function LED ring with amplifier status and active preset LEDs Ethernet connection LEDs
Housing	Birch Multiplex
Coating	Waterproof polyurea coating
Power Input	PFC 100V-240V 50-60Hz 110V (+/- 10%), 50-60Hz
Power Consumption	100 VAC, 2.0 A 1/8 of max output power @ 8 Ω 120 VAC, 1.8 A 240 VAC, 1.0 A
Dimensions (h/w/d)	320x778x597 mm
Net weight	38 Kg

Raptor

3-Way Powered Line Array



The Raptor is full of technical innovations and produces a transparent, powerful sound that will blow you away! Its two high-performance 10-inch neodymium woofers feature a special Kevlar-coated cone and are tuned to a lower cutoff frequency of 50 Hz. The coaxial arrangement of the 8-inch midrange driver and two 1.75-inch compression drivers results in minimal phase shift, fully corrected by FIR technology in the DSP. The phase plug in front of the 8-inch neodymium driver ensures optimised dispersion in the desired frequency range. The horn, which has been completely redesigned for the two 1.75-inch compression drivers, is optimised for use as a three-way system and guarantees optimal coupling of the Raptor modules at various angles. The oversized, 4-channel, Class D power amplifier offers incredible headroom, providing a total output of 4,000 watts. Power dissipation and the associated heat generation have been minimised. The DSP is fully network-compatible and ready for AVB/MILAN operation, which can be enabled upon certification. Our DSM network client allows all connected DSM devices to be displayed on the network and opened for configuration with just one click. Groups can be created and configured synchronously. A wide range of settings is available for the group options. This is really convenient! All devices can be muted simultaneously with just one click. All settings on the back of the device can also be overridden and adjusted using the DSM software. Innovative accessories such as flight frames, cases, trolleys and rain covers perfectly complement the system, leaving little to be desired.

Raptor 3-Way Powered Line Array

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Technical Specifications Raptor

GS1 (EAN) CODE	4260318513319
System Type	Dual 10" 3-way Powered Line Array Speaker
Amp	Latest Class D technology
Amplifier Power	4000 Watt
DSP	German DSP with DSM Network Control
Cooling	Variable speed fan
Frequency Range	75 Hz - 20 kHz
Maximum SPL	138dB peak @1m, 135dB continuous @1m
Connectors	1 x Neutrik® XLR female Line In 1 x Neutrik® XLR male Signal Link 1 x Neutrik® powerCON® combo True 1 Mains 2 x Neutrik® etherCON® Ethernet
Controls	Illuminated Mute and Preset push buttons
Indicators	Multi function LED rings with VU meter and Mute LED Multi function LED ring with amplifier status and active preset LEDs Ethernet connection LEDs
Housing	Birch Multiplex
Coating	Waterproof polyurea coating
Power Input	PFC 100V-240V 50-60Hz 110V (+/- 10%), 50-60Hz
Power Consumption	100 VAC, 5.2 A 1/8 of max output power @ 8 Ω 240 VAC, 2.6 A
Dimensions (h/w/d)	320x778x597 mm
Net weight	40 Kg

Powered Line Array Accessories

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We're not ones to leave anything to chance, and we've got all the right accessories for all our devices. In our product range, you'll find cases, trolleys, transport and rain covers. For active systems, we've got rain covers that can be attached over the power amplifier module. And when it comes to cabling, we've got the right accessories, like networking equipment and connection cables, as well as signal and speaker splitters.

Live-218HB

Dual 18" Hybrid Subwoofer

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The Live-218HB is an hybrid active touring subwoofer with a 4,000 Watt build in power amplifier. Its built-in DSP, which is manufactured in Germany, is fully network-compatible. Using our DSM software, you can access the DSP's input section and adjust a wide range of settings. You can also organise multiple Live-218HB units into groups and program them in sync. This significantly reduces the time taken to calibrate time alignment and ensure proper phase alignment with line array systems. The system features two line inputs with a link output, enabling a stereo signal to be combined. The Live-218HB is equipped with two premium, italian 18" neodymium woofers. The Class D amplifier module delivers ample power with substantial headroom. The subwoofer comes with five presets, including various crossover frequencies, as well as settings for cardioid and end-fire setups. Any adjustments made in the input section of the DSP can be saved in additional presets. Accessories available include wheel sets, trolleys, and rain and transport protection covers.

**POWERED
Subwoofer**

Live-218HB Dual 18" Hybrid Subwoofer

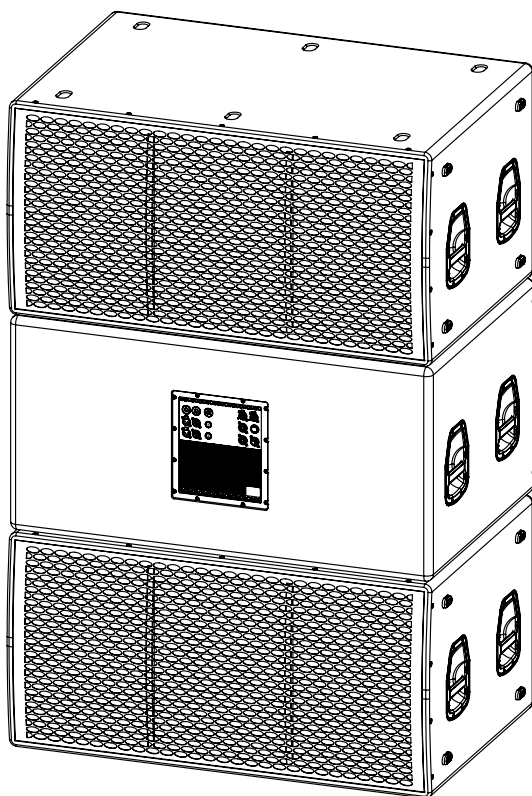
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TOURING series

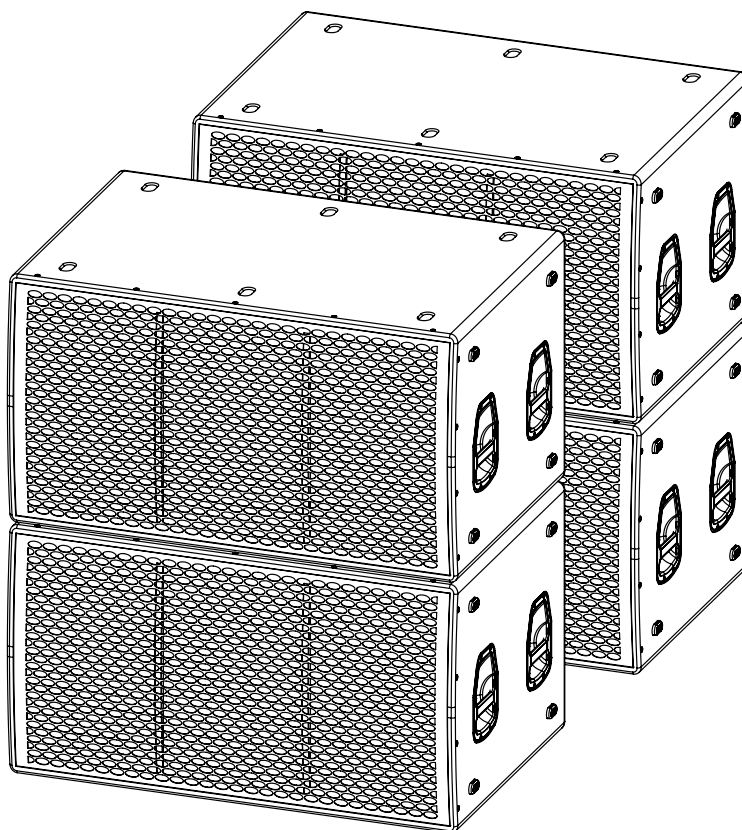
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**Cardiod Preset**

When developing our live subwoofers, we focused on making them as flexible and versatile as possible. It is particularly worth noting that our German-made digital signal processor (DSP) is fully network-compatible, enabling groups to be created and programmed together. This provides a clear overview and enables efficient setup. Using our DSM software, you can access the DSP's input section, adjust EQs and set delay times effectively for cardioid or end-fire applications. These settings can also be applied to groups, meaning a change is automatically applied to the entire group. This can save a significant amount of time during setup. The five pre-programmed presets include various crossover frequencies, such as 80 Hz and 90 Hz, as well as preset cardioid and end-fire settings.

**Endfire Preset**

Live-218HB

Dual 18" Hybrid Subwoofer

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Technical Specifications Live-218HB

GS1 (EAN) CODE	4260318513302
System Type	Dual 18" powered Hybrid Subwoofer
Amp	Latest Class D technology
Amplifier Power	2 x 2000W
Cooling	Variable speed fan
Frequency Range	30Hz - 130Hz (25Hz @ -6dB 12dB/octave)
Maximum SPL	144dB peak @1m, 136dB continuous @1m
Connectors	2 x Neutrik® XLR female Line In 2 x Neutrik® XLR male Signal Link 1 x Neutrik® powerCON® Mains 2 x Neutrik® etherCON® Ethernet
Controls	Illuminated digital signal potentiometer Illuminated Mute and Preset push buttons
Indicators	Multi function LED rings with VU meter and Mute LEDs Multi function LED ring with amplifier status and active preset LEDs Signal IN Clip indicator in the potentiometer knob Ethernet connection LEDs
Housing	Birch Multiplex
Coating	Waterproof polyurea coating
Power Input	PFC 100V-240V 50-60Hz 110V (+/- 10%), 50-60Hz
Power Consumption	100 VAC, 5.2 A 1/8 of max output power @ 8 Ω 240 VAC, 2.6 A
Dimensions (h/w/d)	600x1200x800 mm
Net weight	112 Kg

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Subwoofer

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**Pro Audio
Germany**

4-Acoustic Pro Audio Germany

INLINE Marketing GmbH
Bunsenstr. 32
59229 Ahlen, Germany

PHONE
+49 2382 7087 0

MAIL
sales@4-acoustic.de

WEB
www.4-acoustic.de

**DJ Lost Identity
50 Yeas Ennigerloh with a
4-Acoustic sound system.**

Front and back cover photos by:
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