



Product Overview

March 2023

501
YEARS
BARCELONA
1972-2022

XCELLENCE

The true meaning of **Xcellence** is the combination of the latest available technologies, extreme care for the finest details and a user-friendly design, in order to create a product that meets the most demanding markets and applications with excellent performance.

Xcellence is the response of Amate Audio to the challenge of creating high-end products, a compromise to share with you our passion, the search for the best sound.

**CONTROL SOFTWARE DSP
STUDIO®**
PC version available.



 **Dante™**

 **Act+ve**



All XCELLENCE products feature our original > 400 Volt overvoltage protection.



Premium custom components

Xcellence series has been precision engineered with customised components that optimise the acoustic properties of each cabinet design. Customising transducers, control circuits, user interfaces, horns and waveguides, allows us to achieve the highest attainable levels of system performance.

Our exclusive waveguides: unrivalled performance

Amate Audio's engineering team has successfully achieved waveguide designs with consistent amplitude and exceptional long throw. The isophasic waveguide assembly, loaded with multiple Neodymium drivers, has been designed exclusively for our line array systems.

As a result, we acquire unsurpassed performance levels with side lobe-free vertical dispersion and crystal clear response at high frequencies.

Design in every detail

We have invested in and applied the very best knowledge, materials and technology to deliver the ultimate product. Features such as precision-made ergonomic handles and metallic finish grilles speak for themselves.

Not only do they contribute to an appealing look, but they also allow comfortable handling and protection against moisture, rain and dust.

DSP Studio® control software

Provides remote control of parameters; gain (per way), limiter, polarity, delay and custom parametric EQs can all be managed from your device (DSP Studio® is available for PC and iPad). Several elements can be controlled at the same time using grouping functions.

The software also gives complete information about the amplifier status: input and output levels, heat-sink temperature, clip and protection indications.



Point Source / Stage Monitor



Self-powered

14" COAXIAL ACTIVE SELF-POWERED
BI-AMPLIFIED. 1500W

64 - bit DSP with FIR filters.

Ethernet connectivity · Built-in DSP – Presets –
Touchscreen – Neodymium coaxial woofer



Amplifier Program Power : 1000 W (LF) + 500 W (HF) Class D Bi-amp

Frequency Response (-10dB) : 48 Hz - 20 kHz

Built-in DSP : 64- bit processing unit

Maximum SPL (1m) : 129 dB (musical program)

Directivity (-6dB) : 80° (H) x 80° (V)

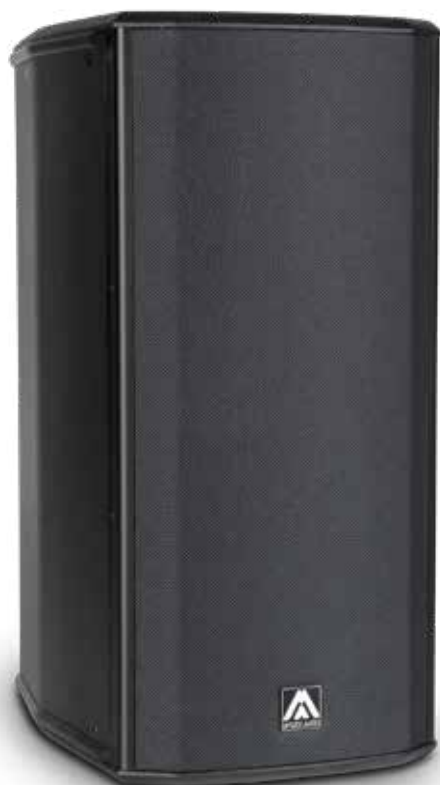
Dimensions (HxWxD) : 623 x 402 x 430 mm

Weight : 22.6 kg

X14FD



Point Source



Self-powered

**2x 10" ACTIVE SELF-POWERED
BI-AMPLIFIED. 3000W**

64 - bit DSP with FIR filters.

Ethernet connectivity · Built-in DSP – Presets –
Touchscreen



Amplifier Program Power : 2500 W (LF) + 500 W (HF) Class D Bi-amp

Frequency Response (-10dB) : 58 Hz - 19 kHz

Built-in DSP : 64- bit processing unit

Maximum SPL (1m) : 136 dB (musical program)

Directivity (-6dB) : 80° (H) x 60° (V) rotatable horn

Dimensions (HxWxD) : 704 x 330 x 460 mm

Weight : 32 kg

X102FD



Exclusive High Performance Rotatable Horn

Cluster array

- Point Source Cluster
- Constant Curvature Array

NEW PRODUCT



Self-powered

12" ACTIVE SELF-POWERED CLUSTER / ARRAY
BI-AMPLIFIED, 64 bit - 96 kHz DSP. 1000W

Ethernet connectivity. Built-in DSP- Presets



Amplifier Program Power : 800 W (LF) + 200 W (HF) Class D Bi-amp

Frequency Response (-10dB) : 58 Hz - 19 kHz

Built-in DSP : 64-bit processing unit

Maximum SPL (1m) : 129 dB (musical program)

Directivity (-6dB) : 100° (H) x 15° (V)

Dimensions (HxWxD) : 352 x 640 x 485 mm

Weight : 29.8 kg

XA112





Line array

NEW PRODUCT



Self-powered

**2x 10" ACTIVE SELF-POWERED BI-AMPLIFIED
64 - bit DSP with FIR filters. 3000 W**

Ethernet connectivity. Built-in DSP- Presets
Touchscreen



Amplifier Program Power : 2500 W (LF) + 500 W (HF) Class D Bi-amp

Frequency Response (-10dB) : 60 Hz - 19 kHz

Built-in DSP : 64-bit processing unit

Maximum SPL (1m) : 136 dB (musical program)

Directivity (-6dB) : 90° (H) x 10° (V)

Dimensions (HxWxD) : 294 x 740 x 527 mm

Weight : 37.8 kg

XA211



Line array

NEW PRODUCT


2x 10" TWO-WAY LINE ARRAY MODULE FOR EXTERNAL DSP + BI-AMPLIFICATION. 1700 W
or slave module to XA211

Program Power : 1450 W (LF) + 250 W (HF)

Frequency Response (-10dB) : 60 Hz - 2kHz (LF) / 800Hz - 19kHz (HF)

Sensitivity (1W/1m) : 105 dB (LF) / 112 dB (HF)

Maximum SPL (1m) : 136 dB (LF) / 135 dB (HF) (musical program)

Directivity (-6dB) : 90° (H) x 10° (V)

Dimensions (HxWxD) : 294 x 740 x 527 mm

Weight : 35.9 kg

XA211P



Standard configuration one XA211 powers one unit of XA211P.

Line array



Self-powered

2x 12" + 4x6" + 2x3" ACTIVE SELF-POWERED TRI-AMPLIFIED

64-bit DSP with FIR filters. 4000 W

Ethernet connectivity. Built-in DSP – Presets – Touchscreen



Amplifier Program Power : 2000 W (LF) + 1000 W (MF) + 1000 W (HF)
Class D Tri-amplified

Frequency Response (-10dB) : 42 Hz - 18 kHz

Built-in DSP : 64-bit processing unit

Maximum SPL (1m) : 141 dB (musical program)

Directivity (-6dB) : 100° (H) x 8° (V)

Dimensions (HxWxD) : 372 x 1100 x 657 mm

Weight : 64.6 kg

X212AFD





Technology and innovation

The Xcellence series flagship system —the X212AF— represents an evolutionary apex of line array design. Breakthrough technologies, advanced precision acoustic engineering, touchscreen control, Amate Audio's next-generation ACTIVE +™ integrated power and control platform, and Dante® AoIP; these are just some of the top-line features of this phase linear, 2X12" (LF), full range line array.

Power and precision

The distinctive V-shape cabinet geometry and 3-way active transducer configuration have been optimised throughout an extensive R&D program by our design team, to attain astounding levels of performance that include 100° horizontal and 8° vertical coverage, with constant directivity in the horizontal plane, and exceptional SPL. The 2X12" LF, 4x 6" MF and dual 3" HF transducer pairings are discretely enclosed, independently powered and protected due to separate limiter settings with differing time constants.



Subwoofer

NEW PRODUCT



Self-powered

18" ACTIVE SELF-POWERED SUBWOOFER. 2500 W
64-bit DSP with FIR filters.

Ethernet connectivity. Built-in DSP – Presets – Touchs-
creen
Cardiod presets included.



Amplifier Program Power : 2500 W Class D
Frequency Response (-10dB) : 30 Hz - 130 Hz
Built-in DSP : 64-bit processing unit
Maximum SPL (1m) : 133 dB (musical program)
Directivity (-6dB) : Omnidirectional
Dimensions (HxWxD) : 555 x 740 x 748 mm
Weight : 56.8 kg

XW118



Subwoofer

NEW PRODUCT


Self-powered

**2x 18" ACTIVE SELF-POWERED SUBWOOFER. 5000 W
64-bit DSP with FIR filters.**

Ethernet connectivity. Built-in DSP – Presets –
Touchscreen
Cardiod presets included.



Amplifier Program Power : 5000 W Class D

Frequency Response (-10dB) : 25 Hz - 130 Hz

Built-in DSP : 64- bit processing unit

Maximum SPL (1m) : 141 dB (musical program)

Directivity (-6dB) : Omnidirectional

Dimensions (HxWxD) : 1116 x 750 x 780 mm

Weight : 99 kg

XW218



DSP STUDIO CONTROL SOFTWARE



Enjoyable from the beginning

Straightforward, modern and user-friendly interface. It has never been so pleasant to set up a system before. Effortless auto-detection lets you add intuitively each cabinet into a layout before adjusting its position.

Intuitive organisation

Organise and control several cabinets quickly and easily. Links for two or more identical cabinets, as well as groups of varying models. Optimised layout grid for any project size.

Get full control

Comprehensive information about input and output levels, heat-sink temperature, clip and protection indicators. Edit every detail of parameters such as crossover frequency, gain, limiter, polarity, delay, five custom parametric EQs or an array of filter shapes.

Flexibility like never before

Bespoke control protocol that supports Wi-Fi connectivity (control over IP). CWK-D wireless communication kit needed. Edit processor values easily from any spot in the venue.



DSP Studio 3

Get instant access to outstanding sound

1

Configure your
wifi network

2

Detect
loudspeakers

3

Set up audio
settings

4

Enjoy the
best sound



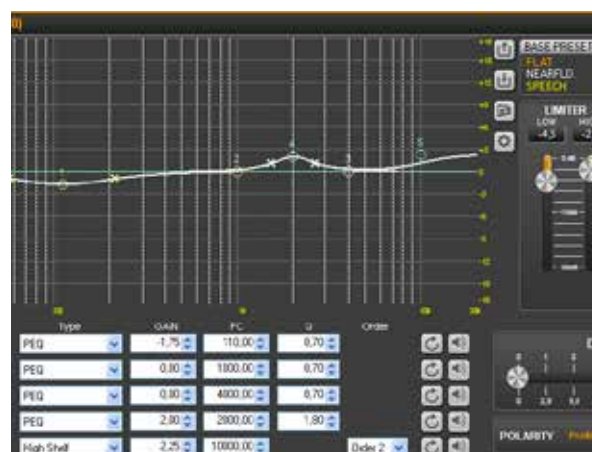
Auto detection



Link edition



Preset selection



Advanced parameters setup



Available only for pc:
X14FD, X102FD, XA211, X212AFD,
XW118, XW218

Download it right from our
website:



Xcellence Accessories



Flight case

FC-X14FD for 2 units of X14FD

FC-X102FD for 2 units of X102FD

FC-XA112 for 3 units of XA112 with bumper

FC-XA211 for 4 units of XA211 with bumper

FC-TAX212 for 2 units of TA-X212



Trolley

TR- X212 transport frame up to 4 units of X212AFD



TR- XW118 wooden plate with reinforced wheels for XW118



Protective cover

NC-X102FD for X102FD + power cable

NC-XW218 for XW218

NC-X212 / 4U for X212AFD + TR-X212



Cable Tester

The ultimate tool for checking the health of your cables.
Supports SpeakON, XLR and RJ45

Cables



PCS-1

XLR + PowerCon male to XLR + PowerCon female – 1 m



PCS-2

XLR + PowerCon male to XLR + PowerCon female – 2 m



MP/QBS Power/signal balanced cable

For active acoustic systems – 3x 2 mm² POWER (Mains)
4x 0.22 mm² SIGNAL (high isolation quad balanced) **100 m reel**



CS-100 Balanced signal cable

2x 0.22 mm² Double shielded for balanced signal – **100 m reel**

SPC-4B Speaker cable for bi-amplified systems

2x 4 mm² + 2x 2,5 mm² SUPERFLEX – **100 m reel**

Ethernet cables



ECRJ45-80

Ethernet cable with metal housing both ends – 0.8 m

ECRJ45-130

Ethernet cable with metal housing both ends – 1.3 m

ECRJ45-200

Ethernet cable with metal housing both ends – 2 m

ECRJ45-500

Ethernet cable with metal housing both ends – 5 m

ECRJ45-1200

Ethernet cable with metal housing both ends – 12 m

M8 rigging eyebolt Stainless steel



ACR-M8

for X14FD / X102FD / X12CLA / X12CLD

Safety sling With accessories – Stainless steel



SC-15

Safety sling



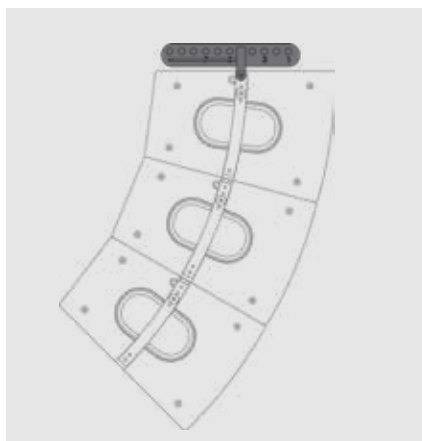
BL-8

Ball-lock safety pin

Xcellence Accessories

Stainless steel

Touring bumper

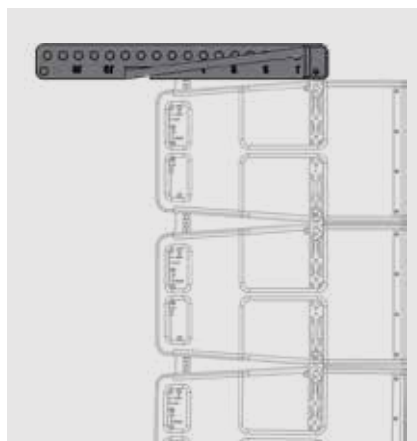


TA-X12CL

for XA112

Loading 4 cabinets with 10:1 safety ratio

Touring bumper

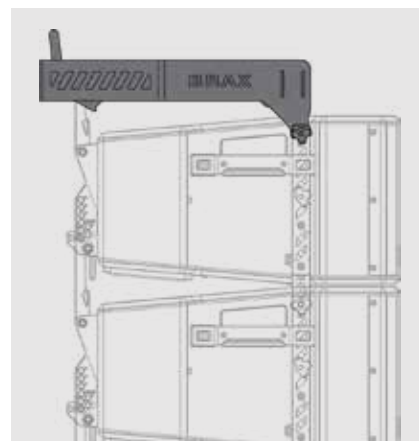


TA-X212 for X212AFD

Loading 6 cabinets with 10:1 safety ratio

Loading 12 cabinets with 5:1 safety ratio

Touring bumper



BRAX for XA211

Loading 8 cabinets with 12:1 safety ratio

Loading 16 cabinets with 6:1 safety ratio

Touring bumper



BRWX for XW118

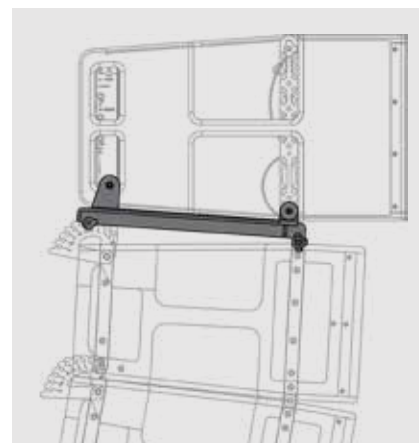
Loading 4 cabinets with 10:1 safety ratio

Flying hardware



KRW118 for XW118

Flying hardware



FA-X210/212

for X210 underneath X212AFD

Flying hardware

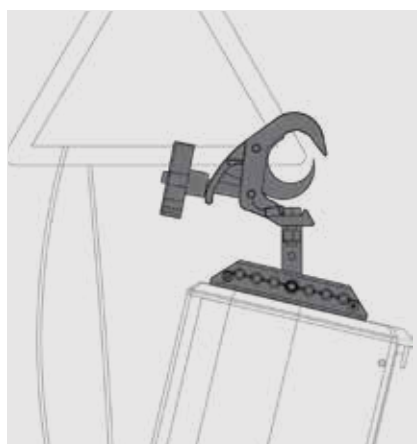


HR-L

for X14FD / X102FD

Rigging bar

Flying hardware



HR-L/GT

for X14FD / X102FD

Rigging bar with 50 mm hook

Flying hardware

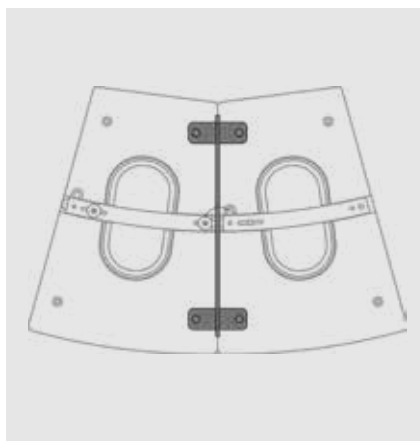


HR-L102

for two units X102FD

Vertical rigging bar with 3 pins

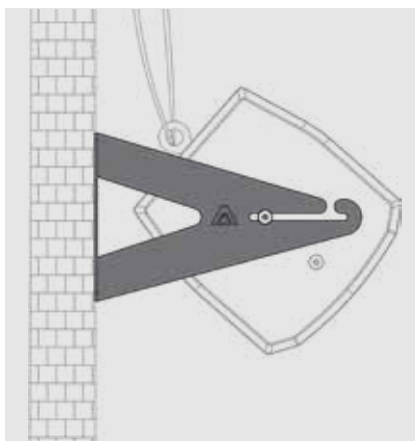
Flying hardware



CR-X12CL

for XA112
Cluster rigging

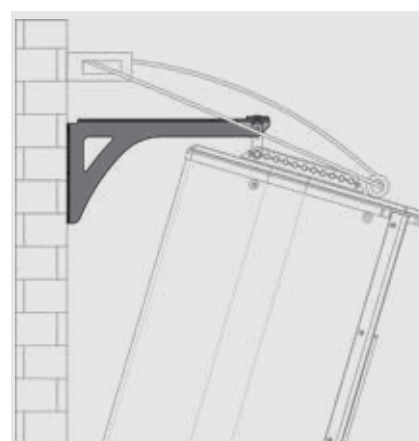
Wall mount bracket



UB-L

for X14FD

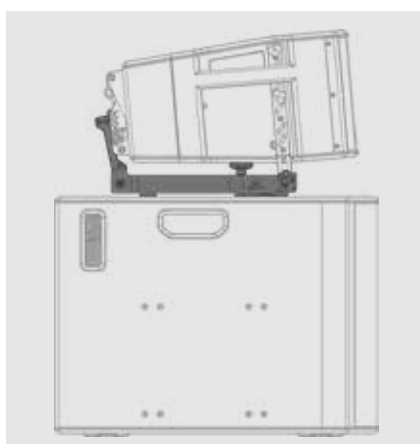
Wall mount bracket



SP-WHR for XA211

for X14FD, X102FD

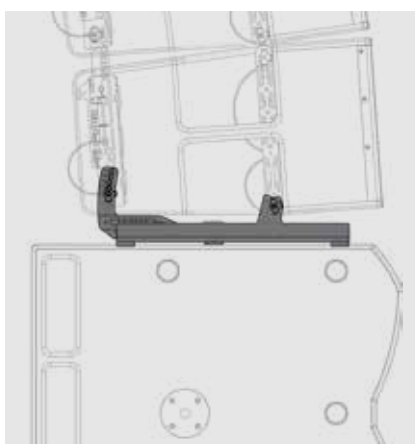
Stacking



STAX

for XA211 / XW118

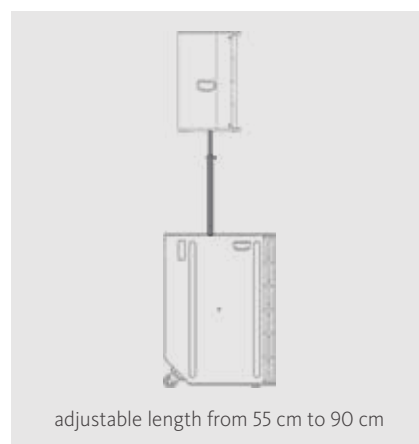
Stacking



FR-X212

for X212AFD / XW218

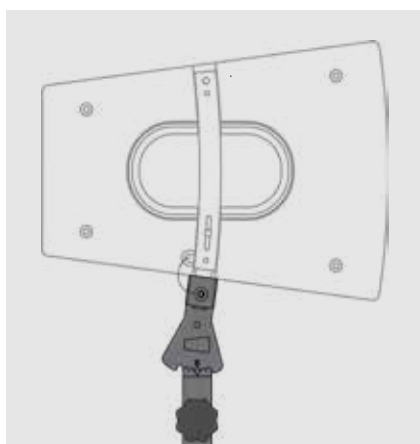
Stacking



SP/CRTL

for X14FD / XW118 / X102FD
Ø 35 mm - length 55 cm ~ 90 cm - thread M20

Stacking



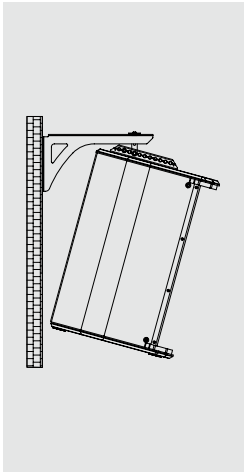
PA-X12CL

for XA112 on pole mount

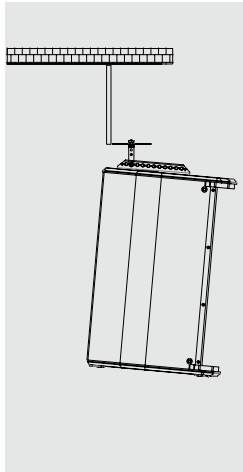
Xcellence Configurations

Flying Hardware

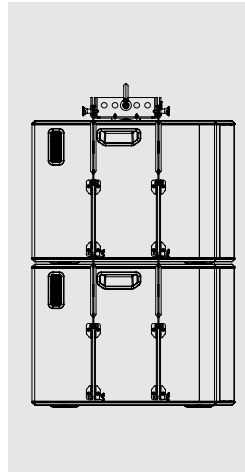
Cluster



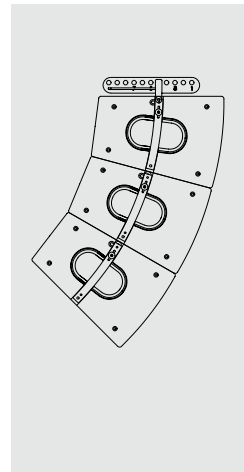
X14FD + HR-L +
SP-WHR



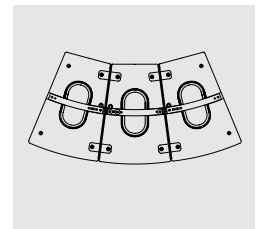
X14FD + HR-L



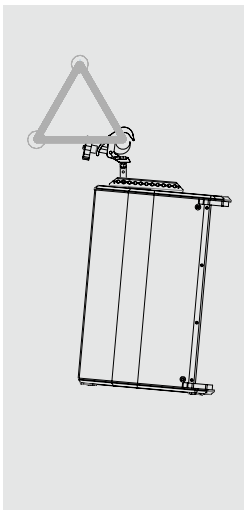
BRWX + 2xXW118 +
2xKRW118



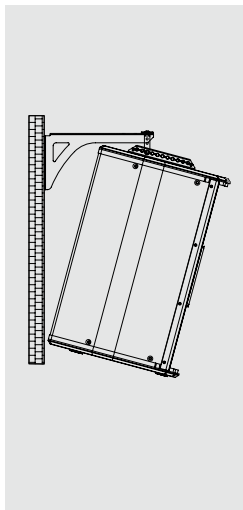
3xXA112 + TA-X12CL



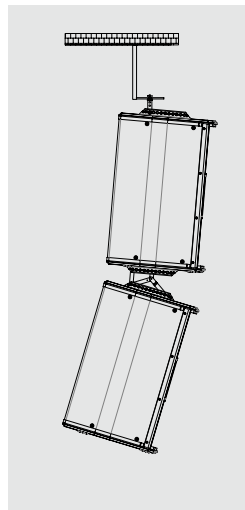
3xXA112 + CR-X12CL



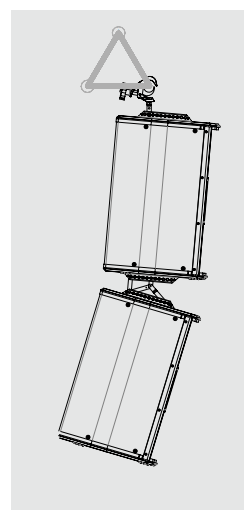
X14FD + HR-L/GT



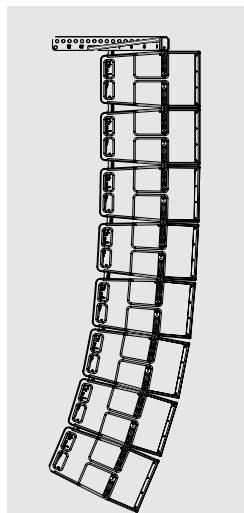
X102FD + HR-L +
SP-WHR



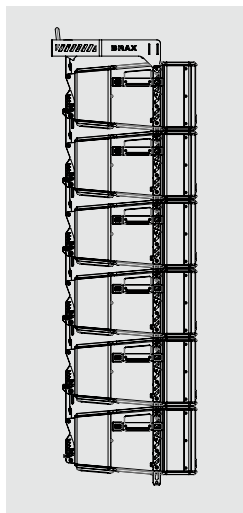
2xX102FD +
HR-L + HR-L102



2xX102FD +
HR-L/GT + HR-L102

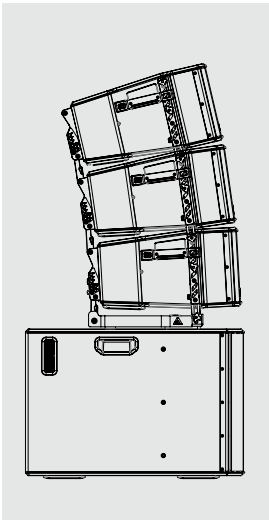


8xX212AFD + TA-X212

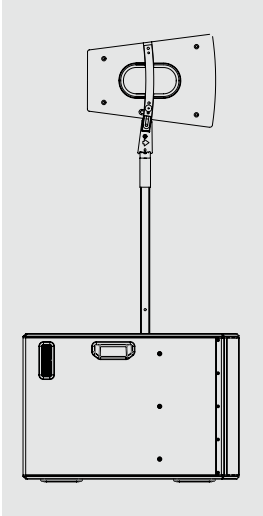


BRAX + 8xXA211

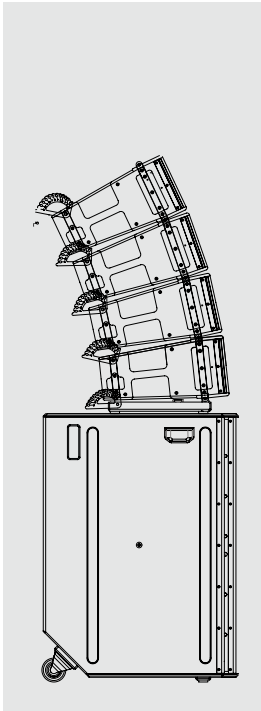
Stacking Hardware



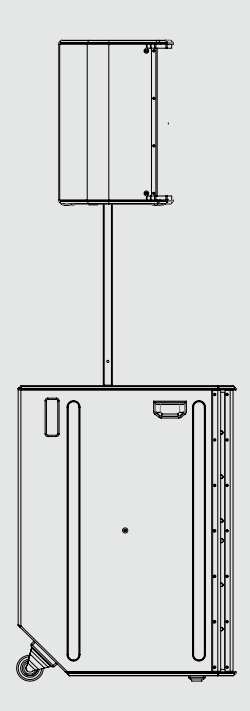
XW118 + STAX +
3xXA211



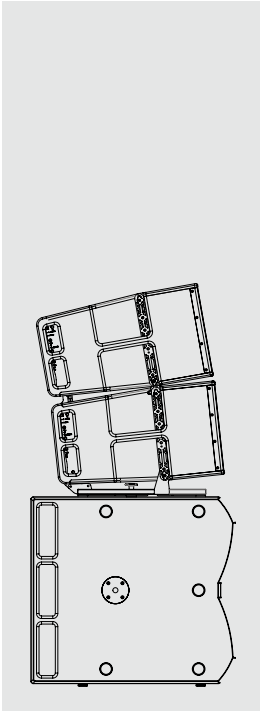
XA112 + XW118 +
PA-X12CL + SP/CRTL



4xN208 + XW218 + FR-
X208R



X14FD + XW218 +
SP-CRTL



2xX212AFD +
XW218 + FR-X212

NEW SERIES

NÍTiD-S

Nítid S is Amate Audio's new series of upgraded, active, compact fixed installation and portable PA loudspeakers.

Now in its second generation, **Nítid S** deploys the company's latest developments in amplification and control technology in symbiosis with our advanced acoustic design and engineering, to achieve exceptional levels of performance from ultra-compact loudspeaker systems.

Nítid - from the Latin *nitidus*, meaning bright, glistening or lustrous, clear, and *nitere*, to shine.



Evolution

Design looking for better performance. New S-series models build on the success, innovation and best-in-class performance of the original Nítid designs with improved features including a recessed moulded connector plate, more highly stylised form factor and improved robustness of the world's most acoustically transparent pro-audio speaker grille.

High-class performance

Nítid's onboard integrated 'plug & play' power and control platform now includes advanced high-order FIR filtering for full phase coherent PEQ adjustment and absolute phase alignment of common cabinet couplings. The control DSP manages the relevant amplifier gain, limiting, cross-over settings and alignment delays, providing previously unattainable levels of system performance every time – in an instant.

Touchscreen control

Amate Audio's latest generation DSP system management is integrated with 3rd generation Class D amplification. Colour touchscreen operation and monitoring of DSP system includes access to powerful presets – engineered by Amate Audio's R&D team – that instantly configure your Nítid loudspeaker for the majority of common application environments within seconds, prior to rigging or installation.

The perfect balance

An ongoing programme of research and development ensures that Nítid series loudspeakers continue to achieve the highest levels of output and performance from the most compact-sized designs, in an unrivalled synthesis of engineering and aesthetic form.



Point Source



S6

Active DSP
Self-powered

Control
Touchscreen

6" TWO-WAY ACTIVE SELF-POWERED FULL-RANGE – 250 W
Colour Touchscreen. 64-bit DSP Built-in presets, FIR filters
Amplifier Program Power : 200 W (LF) + 50 W (HF) Class d Bi-amp
Frequency Response (-10dB) : 60 Hz - 20 kHz
Built-in DSP : 64-bit processing unit.
Maximum SPL (1m) : 115 dB (musical program)
Directivity (-6dB) : 90° (H) x 70° (V)
Dimensions (HxWxD) : 370 x 220 x 226 mm
Weight : 6.5 kg

S6P

6" TWO-WAY PASSIVE SPEAKER FULL-RANGE – 200 W
S6P/8 Nominal impedance: 8Ω S6P/16 Nominal impedance: 16Ω
Program Power : 200 W
Frequency Response (-10dB) : 64 Hz - 20 kHz
Sensitivity (1W/1m) : 92 dB
Maximum SPL (1m) : 115 dB (musical program)
Directivity (-6dB) : 90° (H) x 70° (V)
Dimensions (HxWxD) : 370 x 220 x 226 mm
Weight : 5.4 kg



Point Source



S26

Active DSP
Self-powered

Control
Touchscreen

- 2x 6" TWO-WAY ACTIVE SELF-POWERED
FULL-RANGE – 450 W
- Colour Touchscreen. 64-bit DSP
Built-in presets, FIR filters
- Amplifier Program Power : 400 W (LF) + 50 W (HF) Class D Bi-amp
- Frequency Response (-10dB) : 58 Hz - 20 kHz
- Built-in DSP : 64-bit processing unit.
- Maximum SPL (1m) : 121 dB (musical program)
- Directivity (-6dB) : 90° (H) x 70° (V)
- Dimensions (HxWxD) : 572 x 230 x 250 mm
- Weight : 10.4 kg

S26P

- 2x 6" TWO-WAY PASSIVE SPEAKER
FULL-RANGE – 400 W
- S26P/8 Nominal impedance: 8Ω
S26P/16 Nominal impedance: 16Ω
- Program Power : 400 W
- Frequency Response (-10dB) : 62 Hz - 20 kHz
- Sensitivity (1W/1m) : 95 dB
- Maximum SPL (1m) : 121 dB (musical program)
- Directivity (-6dB) : 90° (H) x 70° (V)
- Dimensions (HxWxD) : 572 x 230 x 250 mm
- Weight : 9.1 kg



Point Source / Stage Monitor



S10 Active DSP Self-powered

Control
Touchscreen 

**10" TWO-WAY ACTIVE SELF-POWERED
FULL-RANGE – 600 W**

Colour Touchscreen. 64-bit DSP
Built-in presets, FIR filters

Amplifier Program Power : 500 W (LF) + 100 W (HF) Class D Bi-amp

Frequency Response (-10dB) : 55 Hz - 19 kHz

Built-in DSP : 64-bit processing unit.

Maximum SPL (1m) : 125 dB (musical program)

Directivity (-6dB) : 50° to 100° (H) x 55° (V) asymmetrical horn

Dimensions (HxWxD) : 543 x 313 x 358 mm

Weight : 15 kg

S10P

**10" TWO-WAY PASSIVE SPEAKER
FULL-RANGE – 500 W**

Nominal impedance: 8Ω

Program Power : 500W

Frequency Response (-10dB) : 55 Hz - 19 kHz

Sensitivity (1W/1m) : 96 dB

Maximum SPL (1m) : 123 dB

Directivity (-6dB) : 50° to 100° (H) x 55° (V) asymmetrical horn

Dimensions (HxWxD) : 543 x 313 x 358 mm

Weight : 16.5 kg



Point Source / Stage Monitor



S12 Active DSP Self-powered

Control
Touchscreen 

**12" TWO-WAY ACTIVE SELF-POWERED
FULL-RANGE – 1000 W**

Colour Touchscreen. 64-bit DSP
Built-in presets, FIR filters

Amplifier Program Power : 800 W (LF) + 200 W (HF) Class D Bi-amp

Frequency Response (-10dB) : 52 Hz – 19 kHz

Built-in DSP : 64-bit processing unit.

Maximum SPL (1m) : 128 dB (musical program)

Directivity (-6dB) : 50° to 100° (H) x 55° (V) asymmetrical horn

Dimensions (HxWxD) : 623 x 363 x 398 mm

Weight : 19.9 kg

S12P

**12" TWO-WAY PASSIVE SPEAKER
FULL-RANGE – 800 W**

Nominal impedance: 8Ω

Program Power : 800 W

Frequency Response (-10dB) : 52 Hz – 19 kHz

Sensitivity (1W/1m) : 98 dB

Maximum SPL (1m) : 127 dB

Directivity (-6dB) : 50° to 100° (H) x 55° (V) asymmetrical horn

Dimensions (HxWxD) : 623 x 363 x 398 mm

Weight : 21.7 kg



Point Source / Stage Monitor

NEW PRODUCT



S15 Active DSP Self-powered



**15" TWO-WAY ACTIVE SELF-POWERED
FULL-RANGE – 1000 W**

Colour Touchscreen. 64-bit DSP
Built-in presets, FIR filters

Amplifier Program Power : 800 W (LF) + 200 W (HF) Class D Bi-amp

Frequency Response (-10dB) : 50 Hz - 19 kHz

Built-in DSP : 64-bit processing unit.

Maximum SPL (1m) : 128 dB

Directivity (-6dB) : 50° to 100° (H) x 55° (V) asymmetrical horn

Dimensions (HxWxD) : 703 x 398 x 436 mm

Weight : 23.8 kg

S15P

**15" TWO-WAY PASSIVE SPEAKER
FULL-RANGE – 800 W**

Nominal impedance: 8Ω

Program Power : 800 W

Frequency Response (-10dB) : 50 Hz - 19 kHz

Sensitivity (1W/1m) : 99 dB

Maximum SPL (1m) : 128 dB

Directivity (-6dB) : 50° to 100° (H) x 55° (V) asymmetrical horn

Dimensions (HxWxD) : 703 x 398 x 436 mm

Weight : 24.6 kg



Three way Full Range Main PA Sidefill/ Drumfill

An integrated three-way system covering the full range of frequencies with a 3200 W total power. Two S318 cabinets allow having a complete system which needs no installation, making it easy to be used either as a main PA or drumfill/sidefill in only a few seconds.

S318 Active DSP
Self-powered

Control
Touchscreen 

**18" LF + 12" MF + 1,4" HF THREE-WAY ACTIVE
SELF-POWERED. FULL-RANGE - 3200 W**

Colour Touchscreen. 64-bit DSP
Built-in presets, FIR filters

Amplifier Program Power : 2400 W (LF) + 800 W (HF) Class D Bi-amp

Frequency Response (-10dB) : 35 Hz – 19 kHz

Built-in DSP : 64-bit processing unit

Maximum SPL (1m) : 133 dB (musical program)

Directivity (-6dB) : 60° (H) x 50° (V)

Dimensions (HxWxD) : 1230 x 520 x 540 mm

Weight : 65 kg



Subwoofer

NEW PRODUCT



S12W Active DSP Self-powered

Control Touchscreen



1x 12" ACTIVE SELF-POWERED
SUBWOOFER – 1000 W

Colour Touchscreen. 64-bit DSP
Built-in presets, FIR filters

Amplifier Program Power : 1000 W Class D

Frequency Response (-10dB) : 38 Hz - 130 Hz

Built-in DSP : 64-bit processing unit

Maximum SPL (1m) : 126 dB (musical program)

Directivity (-6dB) : Omnidirectional

Dimensions (HxWxD) : 384 x 520 x 582 mm

Weight : 26.7 kg

S12WP

1x 12" SUBWOOFER FOR EXTERNAL
ACTIVE AMPLIFICATION – 1000 W

Nominal impedance: 8Ω

Program Power : 1000 W

Frequency Response (-10dB) : 38 Hz - 130 Hz (with external DSP)

Sensitivity (1W/1m) : 96 dB

Maximum SPL (1m) : 126 dB (musical program)

Directivity (-6dB) : Omnidirectional

Dimensions (HxWxD) : 384 x 520 x 582 mm

Weight : 24.9 kg



Subwoofer

NEW PRODUCT



S18W Active DSP Self-powered

Control Touchscreen 

1x 18" ACTIVE SELF-POWERED SUBWOOFER – 2500 W

Colour Touchscreen. 64-bit DSP
Built-in presets, FIR filters

Amplifier Program Power : 2500 W Class D

Frequency Response (-10dB) : 32 Hz – 130 Hz

Built-in DSP : 64-bit processing unit

Maximum SPL (1m) : 132 dB (musical program)

Directivity (-6dB) : Omnidirectional

Dimensions (HxWxD) : 555 x 740 x 748 mm

Weight : 60 kg

S18WP

1x 18" SUBWOOFER FOR EXTERNAL ACTIVE AMPLIFICATION – 2400 W

Nominal impedance: 8Ω

Program Power : 2400 W

Frequency Response (-10dB) : 32 Hz – 130 Hz (with external DSP)

Sensitivity (1W/1m) : 98 dB

Maximum SPL (1m) : 132 dB (musical program)

Directivity (-6dB) : Omnidirectional

Dimensions (HxWxD) : 555 x 740 x 748 mm

Weight : 58 kg



Subwoofer

NEW PRODUCT



S218W Active DSP Self-powered Colour Touchscreen

2x 18" ACTIVE SELF-POWERED SUBWOOFER – 2500 W

Colour Touchscreen. 64-bit DSP
Built-in presets, FIR filters

Amplifier Program Power : 2500 W Class D

Frequency Response (-10dB) : 30 Hz – 130 Hz

Built-in DSP : 64-bit processing unit

Maximum SPL (1m) : 137 dB (musical program)

Directivity (-6dB) : Omnidirectional

Dimensions (HxWxD) : 1116 x 750 x 780 mm

Weight : 100 kg

S218WP

2x 18" SUBWOOFER FOR EXTERNAL ACTIVE AMPLIFICATION – 4800 W

Nominal impedance: 4Ω

Program Power : 4800 W

Frequency Response (-10dB) : 30 Hz – 130 Hz (with external DSP)

Sensitivity (1W/1m) : 102 dB

Maximum SPL (1m) : 139 dB (musical program)

Directivity (-6dB) : Omnidirectional

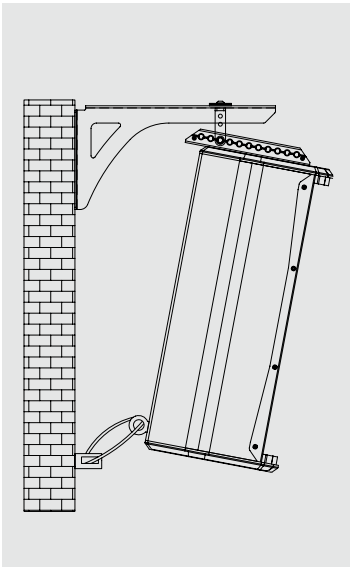
Dimensions (HxWxD) : 1116 x 750 x 780 mm

Weight : 96.8 kg

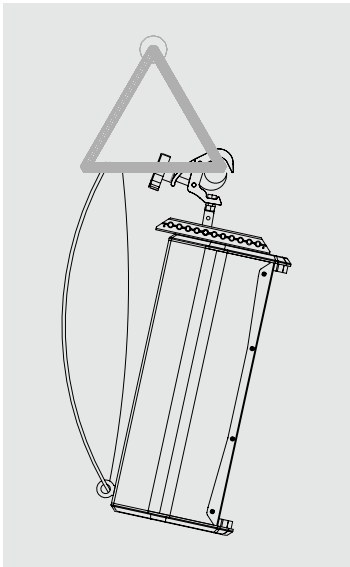


Nítid-S Configurations

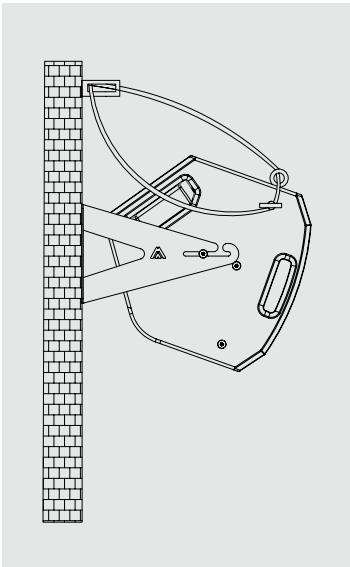
Flying Hardware



S26 + SP-WHR

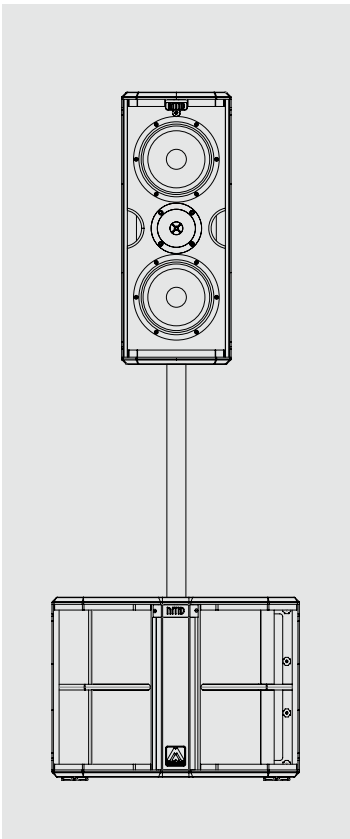


S26 + HR-LU/GT

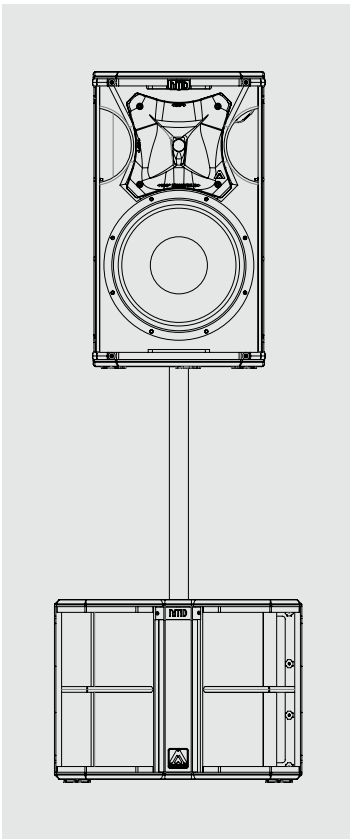


S12 + UBL

Stacking Hardware



S26 + S12W + SP/CRTL



S12 + S12W + SP/CRTL

Nítid - n

Nítid is the origin that led the way to our new Nítid S series. After years of investigation and product development, the resulting range of active systems became a turning point in acoustic research and sound reproduction.

Nítid's success provided our R&D team with the right tools to keep developing new products that make it a priority to meet Amate Audio's sound quality standards.



Unique design

Distinguishing details include the speaker grille, exclusively designed for an attractive appearance, maximum protection, and **the best perforation coefficient, for improved sound quality**. The Polyurea® finish offers durable protection for the birch-ply cabinet, and electronic circuits and controls are smartly protected against moisture. A wide range of accessories is provided for whatever your application is.

Control panel

Our latest digital signal processing (DSP) is integrated with 3rd generation Class D amplification and operated via our dedicated **SensitiveTouch™** keypad technology. With no mechanical components or moving parts, the **SensitiveTouch™** capacitive sensor keypad is highly responsive, weatherproof and durable compared with conventional electronic controls, in addition to being effectively failsafe.

Amazing performance

The integrated **'plug & play'** active power and control system includes DSP presets for easy setup and amazing sound, and the comprehensive control interface includes instantly recallable presets for setting up the Nítid. The accurate match between transducers, DSP and amplifiers provides a fully optimised system for the most demanding applications.

The value of form-function

Nítid series is the culmination of an intensive program of research, **development and optimisation**, to achieve the greatest possible power and performance from the most compact-sized cabinet. Every aspect of its form factor has resulted from the examination and consideration of optimum acoustic response, ergonomics, construction and appearance.

With the **SensitiveTouch™** keypad and display, you can configure your Nítid for use on-stage in just a few seconds.



Column Array



N36 Active DSP Self-powered

3x6" TWO-WAY ACTIVE SELF-POWERED FULL-RANGE – 600 W

DSP with SensitiveTouch panel
Built-in presets

Amplifier Program Power : 500 W (LF) + 100 W (HF) Class D Bi-amp

Frequency Response (-10dB) : 53 Hz - 19 kHz

Built-in DSP : 48-bit processing unit

Maximum SPL (1m) : 123 dB (musical program)

Directivity (-6dB) : 50° to 100° (H) x 55° (V) asymmetrical horn

Dimensions (HxWxD) : 875 x 250 x 258 mm

Weight : 17 kg



Column Array



N46 Active DSP Self-powered

**4x6" TWO-WAY ACTIVE SELF-POWERED
FULL-RANGE – 700 W**

DSP with SensitiveTouch panel
Built-in presets

Amplifier Program Power : 600 W (LF) + 100 W (HF) Class D Bi-amp

Frequency Response (-10dB) : 50 Hz - 19 kHz

Built-in DSP : 48-bit processing unit

Maximum SPL (1m) : 125 dB (musical program)

Directivity (-6dB) : 50° to 100° (H) x 55° (V) asymmetrical horn

Dimensions (HxWxD) : 1056 x 250 x 258 mm

Weight : 19 kg

N46P

**4x6" TWO-WAY PASSIVE SPEAKER
FULL-RANGE – 600 W**

Nominal impedance: 4Ω

Program Power : 600 W

Frequency Response (-10dB) : 50 Hz – 19 kHz

Sensitivity (1W/1m) : 97 dB

Maximum SPL (1m) : 125 dB (musical program)

Directivity (-6dB) : 50° to 100° (H) x 55° (V) asymmetrical horn

Dimensions (HxWxD) : 1056 x 250 x 258 mm

Weight : 18.2 kg



Point Source / Stage Monitor



N12A6 Active DSP Self-powered

**12" TWO-WAY ACTIVE SELF-POWERED
FULL-RANGE – 600 W**

DSP with SensitiveTouch panel
Built-in presets

Amplifier Program Power : 500 W (LF) + 100 W (HF) Class D Bi-amp

Frequency Response (-10dB) : 52 Hz – 19 kHz

Built-in DSP : 48-bit processing unit

Maximum SPL (1m) : 126 dB (musical program)

Directivity (-6dB) : 50° to 100° (H) x 55° (V) asymmetrical horn

Dimensions (HxWxD) : 623 x 360 x 390 mm

Weight : 20 kg

N12P7

**12" TWO-WAY PASSIVE SPEAKER
FULL-RANGE – 700 W**

Nominal impedance: 8Ω

Program Power : 700 W

Frequency Response (-10dB) : 52 Hz – 19 kHz

Sensitivity (1W/1m) : 98 dB

Maximum SPL (1m) : 127 dB (musical program)

Directivity (-6dB) : 50° to 100° (H) x 55° (V) asymmetrical horn

Dimensions (HxWxD) : 623 x 360 x 390 mm

Weight : 19.2 kg



Line array



Standard configuration
one N208 powers one N208P

N208 Active DSP Self-powered

**2x 8" TWO-WAY ACTIVE SELF-POWERED
LINE ARRAY - 1500W**

DSP with SensitiveTouch panel
Built-in presets

Amplifier Program Power : 1000 W (LF) + 500 W (HF) Class D Biamp

Frequency Response (-10dB) : 78 Hz - 18 kHz

Built-in DSP : 48-bit processing unit

Maximum SPL (1m) : 129 dB (musical program)

Directivity (-6dB) : 110° (H) x 11° (V)

Dimensions (HxWxD) : 279 x 684 x 522 mm

Weight : 23 kg

N208P

**2x 8" TWO-WAY LINE ARRAY MODULE FOR EXTERNAL
ACTIVE BI-AMPLIFICATION - 1200 W**
Slave module to N208

Program Power : 1000 W (LF) + 200 W (HF)

Frequency Response (-10dB) : 78 Hz - 2k2Hz (LF) / 1k2Hz - 18kHz (HF)

Sensitivity (1W/1m) : 100 dB (LF) / 108 dB (HF)

Maximum SPL (1m) : 130 dB (LF) / 131 dB (HF) (musical program)

Directivity (-6dB) : 110° (H) x 11° (V)

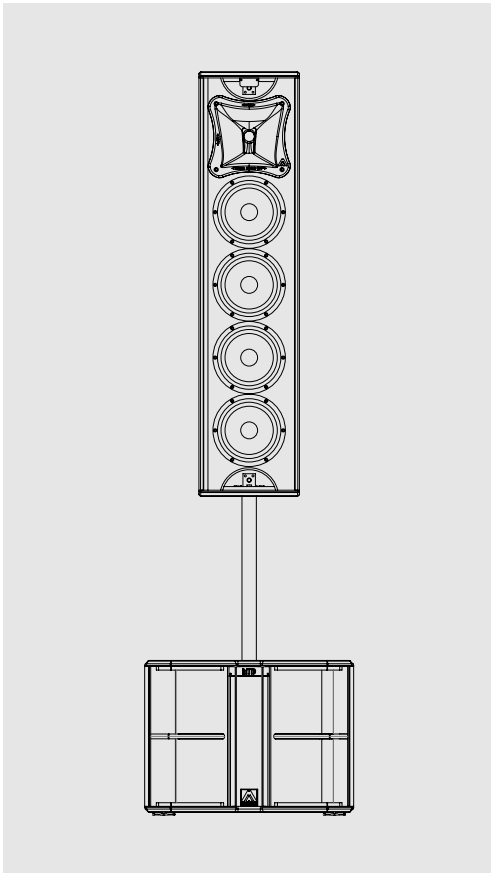
Dimensions (HxWxD) : 279 x 684 x 522 mm

Weight : 21 kg

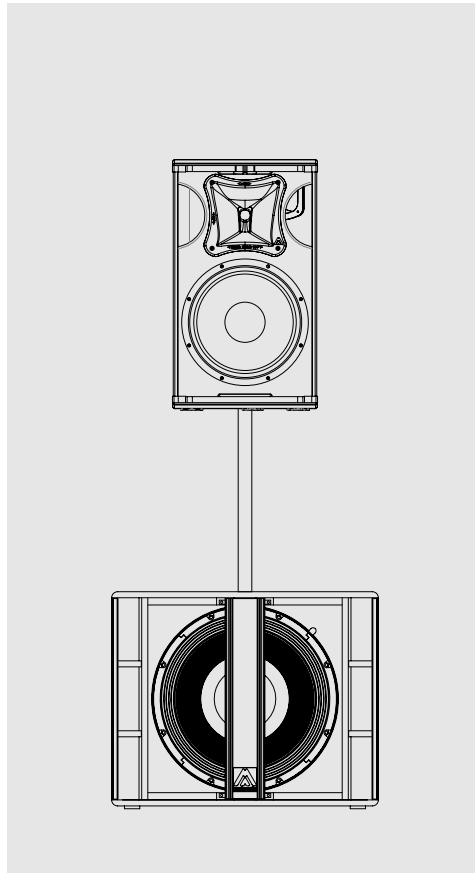


Nítid Configurations

Stacking

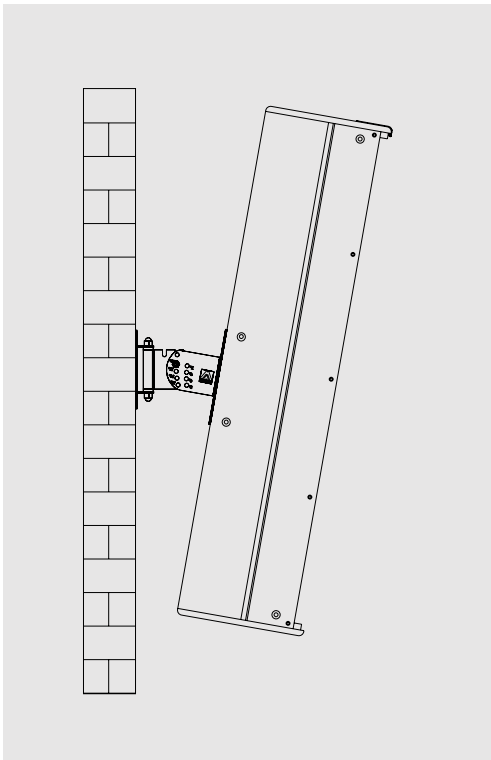


N46 + S12W + SP/CRTL



N12A6 + S18W + SP/CRTL

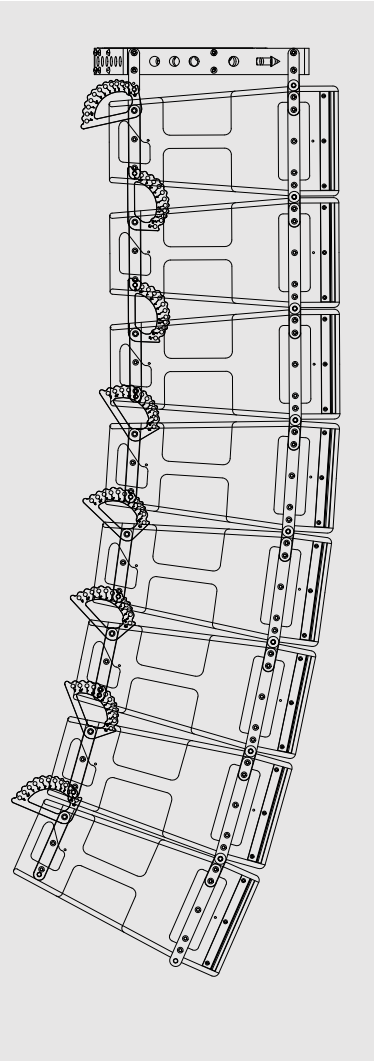
Flying Hardware



N46 + SP-46N

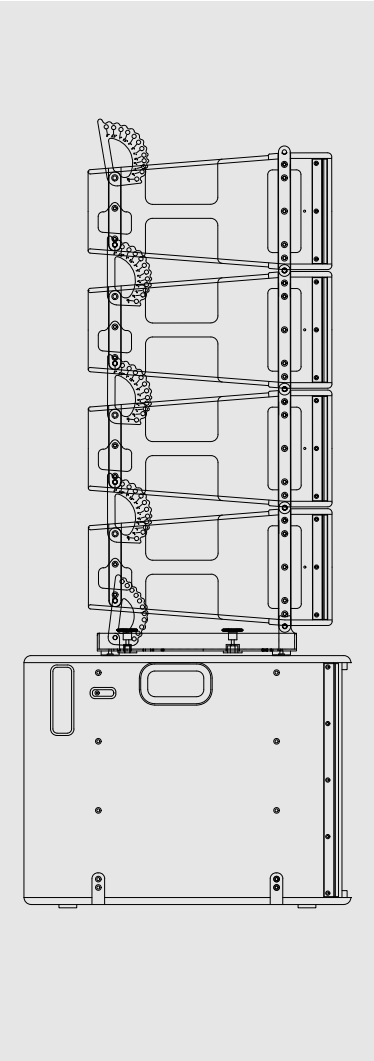
Nítid Configurations

Flying

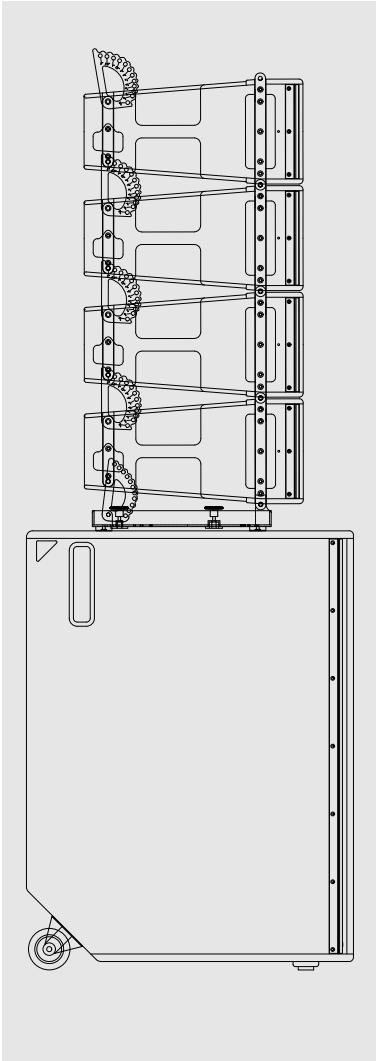


8xN208 + TA-X208R

Stacking



S18W + 4xN208 + FR-208R



S218W + 4x208 + FR-208R

Nítid Accessories



Flight Case

FC-S26 for 4 units of S26, S26P

FC-S10 for 2 units of S10, S10P

FC-S12 for 2 units of S12, S12P, N12A6, N12P7

FC-S15 for 2 units of S15, S15P

FC-N208 for 4 units of N208



Trolley

TR-XW118 wooden plate with reinforced wheels for S18W and S18WP



Transport / protection cover

NC-S26 for S26, S26P

NC-N36 for N36

NC-N46 for N46, N46P

NC-S10 for S10, S10P

NC-S12 for S12, S12P

NC-S318 for S318

NC-XW118 FOR S18W, S18WP

NC-XW218 FOR S218W, S218WP





M8 rigging eyebolt Stainless steel

ACR-M8

for S6, S6P, S26, S26P, N36, N46, N46P, S10, S10P, S12, S12P, N12A6, N12P7, S15, S15P, S318



Safety sling With accessories – Stainless steel

SC-15

for S6, S6P, S26, S26P, N36, N46, N46P, S10, S10P, S12, S12P, N12A6, N12P7, S15, S15P



Cable Tester

The ultimate tool for checking the health of your cables.
Supports SpeakON, XLR and RJ45

Cables



PCS-1

XLR + PowerCon male to XLR + PowerCon female – 1 m

PCS-2

XLR + PowerCon male to XLR + PowerCon female – 2 m



MP/QBS Power/signal balanced cable

For active acoustic systems

3x 2 mm² POWER (Mains)

4x 0,22 mm² SIGNAL (high isolation quad balanced) **100 m reel**



CS-100 Balanced signal cable

2x 0,22 mm² Double shielded for balanced signal – **100 m reel**



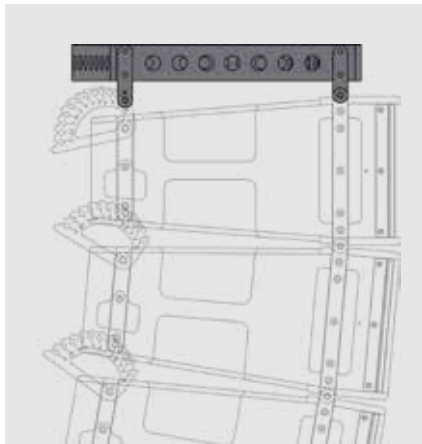
SPC-4B Speaker cable for bi-amplified systems

2x 4 mm² + 2x 2,5 mm² SUPERFLEX – **100 m reel**

Nítid Accessories

Stainless steel

Touring bumper



TA-X208R

for flying N208

Touring bumper



BRWX

for flying S18W, S18WP

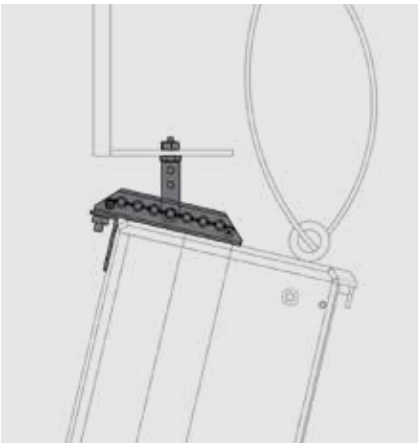
Flying hardware



KRW118

for flying S18W, S18WP

Flying hardware



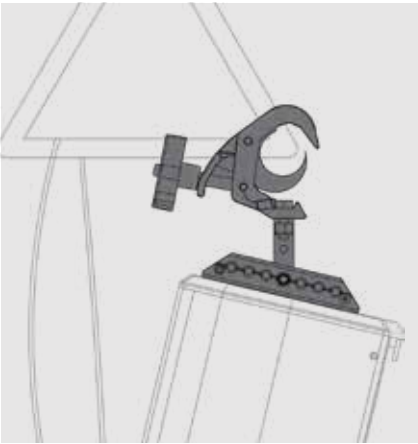
Rigging bar

HR-S for S6, S6P, N12A6, N12P7

HR-C for N36, N46, N46P

HR-LU for S26, S26P, S10, S10P, S12, S12P, S15, S15P

Flying hardware



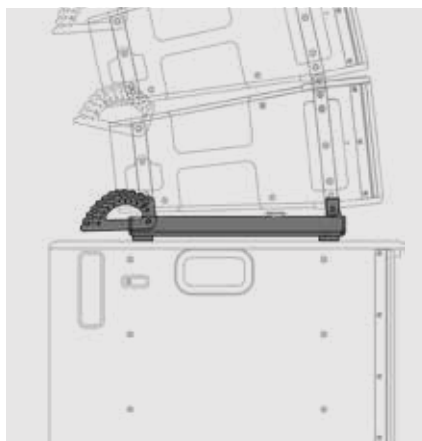
Rigging bar with 50mm hook

HR-S/GT for S6, S6P, N12A6, N12P7

HR-C/GT for N36, N46, N46P

HR-LU/GT for S26, S26P, S10, S10P, S12, S12P, S15, S15P

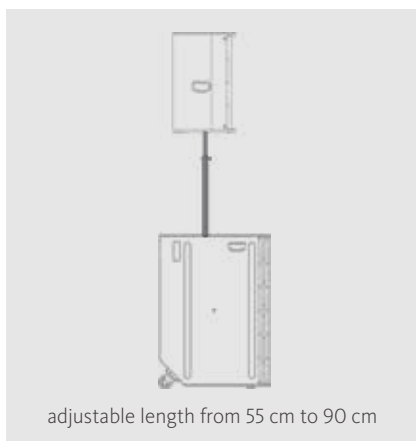
Stacking frame



FR-208R

for N208 over S218W, S218WP, S18W, S18WP

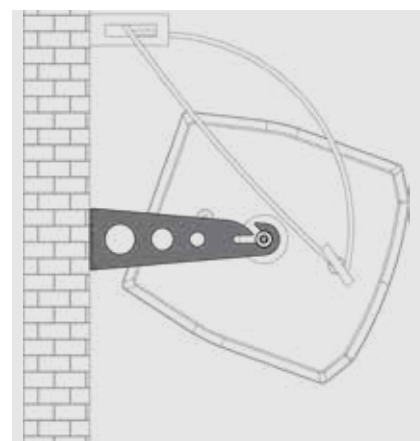
Stacking



SP/CRTL

for all models
Ø 35 mm - length 55 cm ~ 90 cm - thread M20

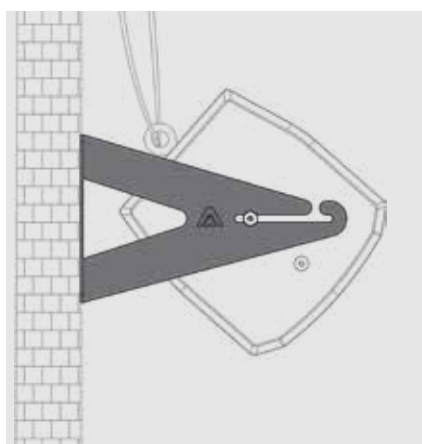
Wall mount bracket



SP-S26

for S26, S26P

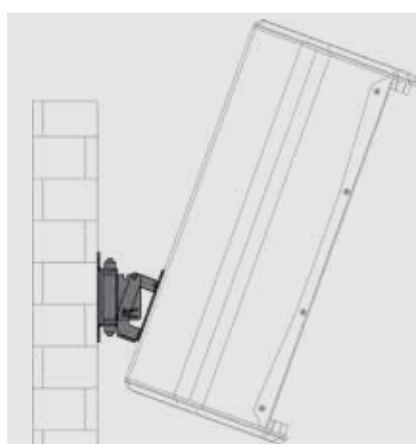
Wall mount bracket



UB-L

for S26, S26P, S10, S10P, S12, S12P, N12A6, N12P7, S15, S15P

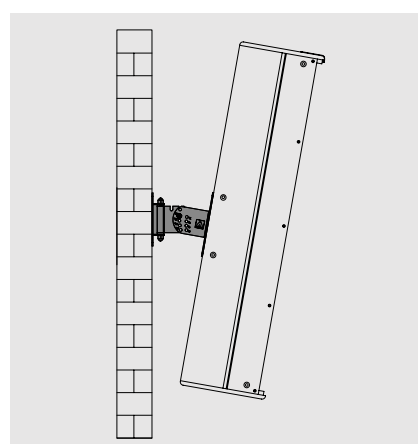
Wall mount bracket



SP-6N

for S6, S6P, S26, S26P, G7

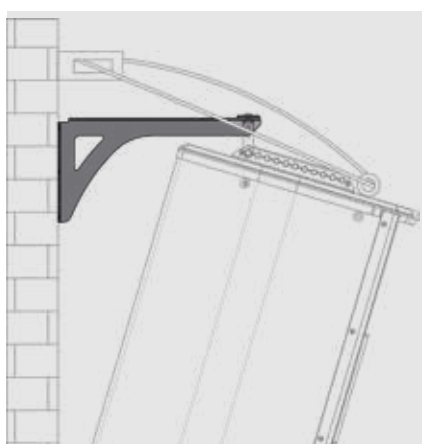
Wall mount bracket



SP-46N

for N36, N46, N46P

Wall mount bracket



SP-WHR

for S6, S6P, S26, S26P, N36, N46, N46P, S10, S10P, S12, S12P, N12A6, N12P7, S15, S15P

Multipoint PA Solutions



Available in white, black, titanium and anthracite.

G7

1 pallet: 48 units
Carton box contains 2 units

Two-way passive full-range speaker system
6.5" woofer with carbon fiber cone
1" titanium diaphragm neodymium tweeter
Nominal impedance: 16 Ω

Program power : 120 W

Sensitivity (1W/1m) : 91 dB

Maximum SPL (1m) : 112dB (musical program)

Directivity : 80° conical

Frequency Response (-10dB) : 60 Hz - 20 kHz

Dimensions (HxWxD) : 296 x 209 x 218 mm

Weight : 3.6 kg



SP-6N **not** included

U-Bracket included



T-G7

100V Transformer kit for G7

Specifications: 100V Line transformer with selector.
250 Ω (40 W), 500 Ω (20 W), 1000 Ω (10 W), 2000 Ω (5 W) Direct 16 Ω (120 W)



CS7

NEW PRODUCT

Two-way passive high performance coaxial ceiling speaker
6.5" woofer with polypropylene cone and butyl rubber surround
1" titanium diaphragm neodymium tweeter

Nominal impedance: 16 Ω

Program Power : 60 W

Sensitivity (1W/1m) : 91 dB

Frequency Response (-10 dB) : 60 Hz - 20 kHz

Dimensions (\varnothing Ext / \varnothing Int x D) : 238 mm / 203 mm x 96mm

Weight : 1.4 kg

TF-100

100 V line transformer
5W-10W-20W-40W



Power Amplifiers

HD series

The HD series consists of three models with a power output ranging from 350 W/8 Ω per channel, to 4000 W/4 Ω (bridged), all in a 19"/2U format, ideal for long-term fixed installations.

HD Series technology combines Class AB for HD1200, with Class H for the more powerful units HD3200 & HD4000. All models are based on our proven High Dynamic Power technology, which means higher dynamic headroom for an outstanding hearing experience.

They incorporate the soft-start circuit with gradual volume increase, clip limiters and special protection features such as temperature control, overcurrent, DC output and short circuit on the outputs.



Detachable front panel gives access to a limiter threshold adjust.

HD1200	2x 600 W/4 Ω - 2x 350 W / 8 Ω – 15 kg
HD3200	2x 1750 W/4 Ω - 2x 1000 W / 8 Ω – 21 kg
HD4000	2x 1200 W/4 Ω - 4000 W / 4 Ω BRIDGE – 21 kg



Rear view HD4000

High dynamic Class H amplifiers · Linear power supply · High reliability, best for installation · 2 U 19" rack. Soft Start · Balanced XLR inputs · Speakon and binding post outputs · Clip-Limiter · Bridge mode/Parallel switch 2 Ω stable · Forced cooling · Protections: DC, Short Circuit, Temperature, Breaker.

TPD3K 2.1 AMPLIFIER • 64-bit DSP

The original TP concept (which stands for **TriPhonic**), a **3-channel processing amplifier** was first released back in 1988 by Amate Audio. Its unique 3-in-1 topology allowed making subwoofer plus satellite installations for small and medium-sized clubs very easy to set up and use, giving exceptional results only comparable with much more complex and expensive systems. One single device united one stereo amplifier for satellites, another channel for subwoofer and the active signal processing to drive the speaker systems. TPD... a step ahead!

TPD3K 2000W (SUB) + 750+750W (L - R)

Sensitivity: 1.5 V **Input Impedance :** 20 k Ω

Output Power L & R : 400 + 400 W @ 8 Ω / 750 + 750 W @ 4 Ω **Subwoofer :** 1500 W @ 8 Ω / 2000 W @ 4 Ω

Frequency Response L & R (adjustable DSP) : 70 Hz - 20 kHz (-3 dB) **Subwoofer :** 30 Hz - 200 Hz (-3 dB)

Dimensions (HxWxD) : 88 x 482 x 370 mm (2U Rack 19") **Weight :** 9 kg

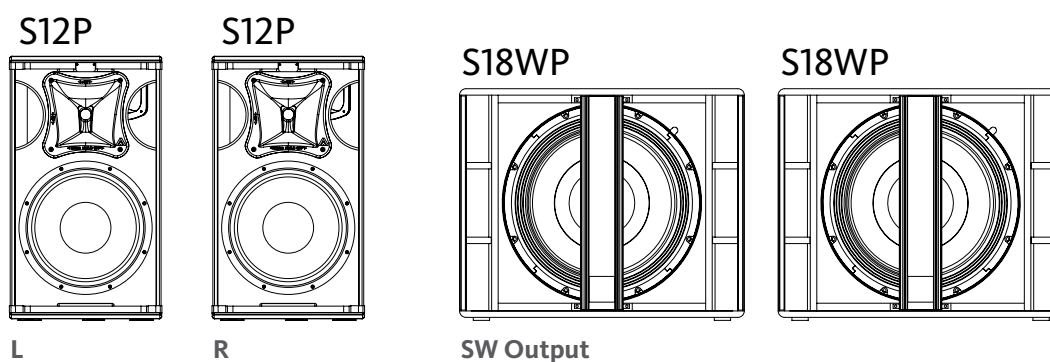


Front view TPD3K



Rear view TPD3K

Typical Installation



Signal Processing

LMS206

Digital loudspeaker management systems

Fully configurable by its front panel keypad/ LCD screen or by PC (Windows / MacOS).
For each input/output: 10 parametrical EQ, 2 seconds delay, limiter, crossover and polarity control. 64-bits architecture.



LMS206

Inputs : 2 (XLR)

Outputs : 6 (XLR)

Input Dynamic Range : 110 dB

Frequency Response : 20 Hz to 20 kHz (+/- 0.5 dB)

A/D Converters : 24-bit, 48 kHz

Dimensions (HxWxD) : 1U 19" Rack 44 x 483 x 165 mm **Weight :** 2.3 kg



Rear view

LMS608



LMS608

Ethernet control

Inputs : 4 (XLR) + 2 AES/EBU (1x XLR)

Outputs : 8 (XLR)

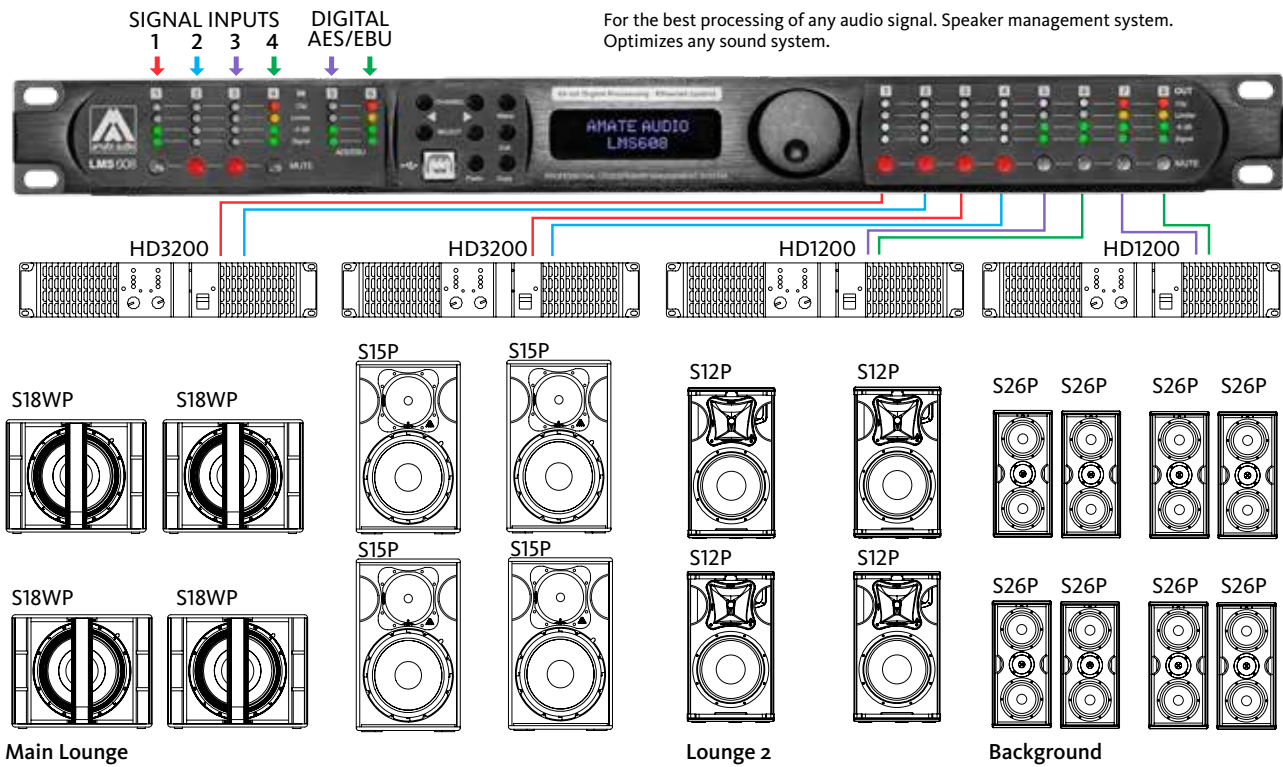
Input Dynamic Range : > 116 dB(A)

Frequency Response : 20 Hz - 20 kHz (+/- 0.5 dB)

A/D Converters : 24-bit, 96 kHz

Dimensions (HxWxD) : 1U 19" Rack, 44 x 483 x 165 mm **Weight :** 2.5 kg

Typical Installation



Product Overview

March 2023



5101
YEARS
BARCELONA
1972-2022

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Due to our continuous research and development, pictures
and product specifications are subject to change without prior notice.

www.amateaudio.com