



**Product Overview**  
May 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.

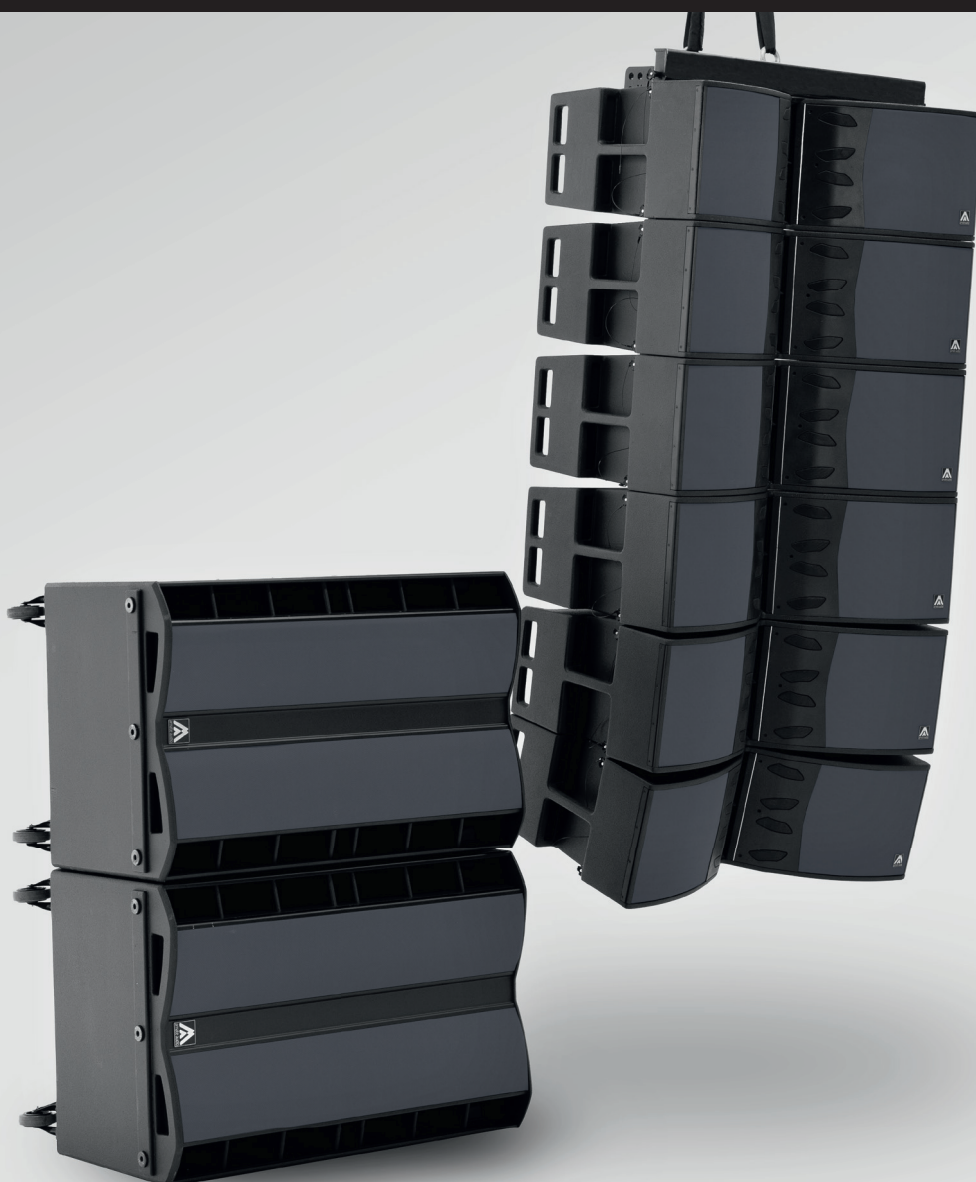


 **Dante™**

 **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)

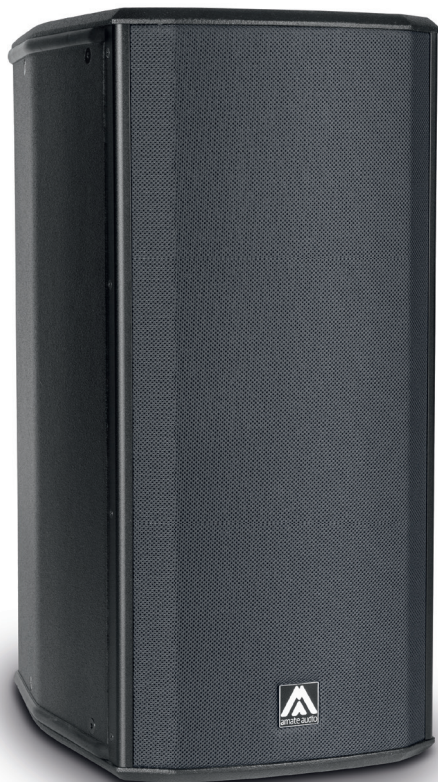
Dimensions (HxWxD) : 623 x 402 x 430 mm

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 566 mm

Weight : 39 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 566 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



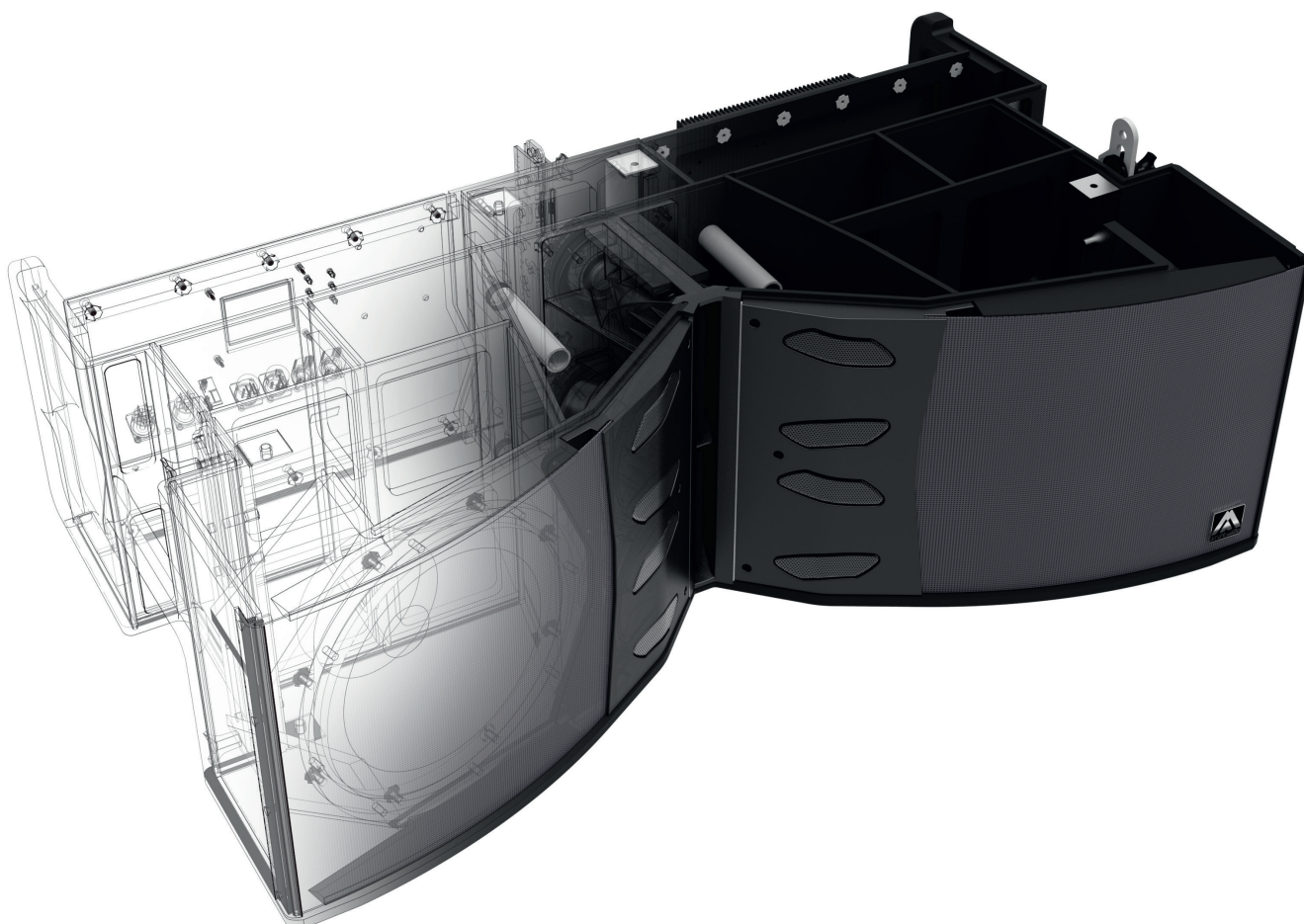


### Technology and innovation

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 – Touchscreen  
Cardiod presets included.



Amplifier Program Power : 2500 W Class D

Frequency Response (-10dB) : 30 Hz - 140 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 : 106 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

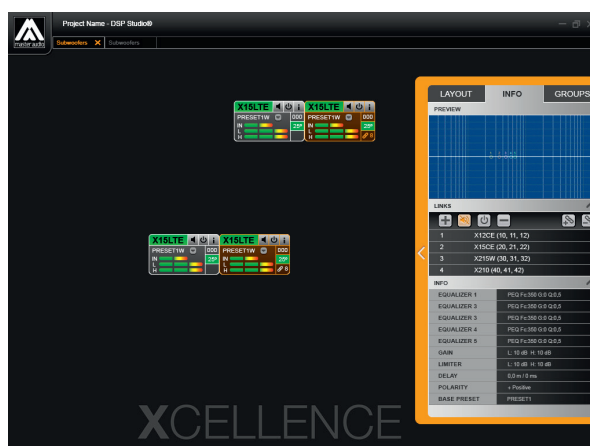
Set up audio settings

4

Enjoy the best sound



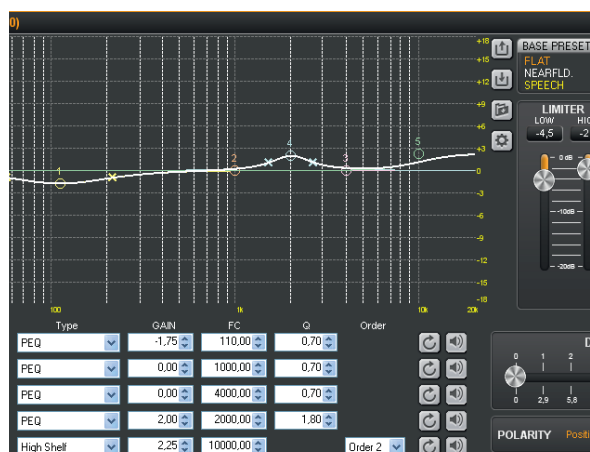
Auto detection



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

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**FC-X102FD** for 2 units of X102FD

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**FC-XA112** for 3 units of XA112 with bumper

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**FC-XA211** for 4 units of XA211 with bumper

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**FC-TAX212** for 2 units of TA-X212

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## Trolley



**TR- X212** transport frame up to 4 units of X212AFD

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**TR- XW118** wooden plate with reinforced wheels for XW118

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## Protective cover



**NC-X102FD** for X102FD + power cable

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**NC-XW118** for XW118

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**NC-XW218** for XW218

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

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## Cable Tester



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

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## 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 mm<sup>2</sup> POWER (Mains)  
4x 0.22 mm<sup>2</sup> SIGNAL (high isolation quad balanced) **100 m reel**



### CS-100 Balanced signal cable

2x 0.22 mm<sup>2</sup> Double shielded for balanced signal – **100 m reel**

### SPC-4B Speaker cable for bi-amplified systems

2x 4 mm<sup>2</sup> + 2x 2,5 mm<sup>2</sup> 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



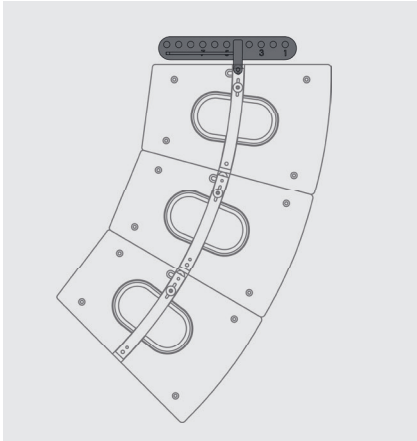
### BL-8

Ball-lock safety pin

# Xcellence Accessories

Stainless steel

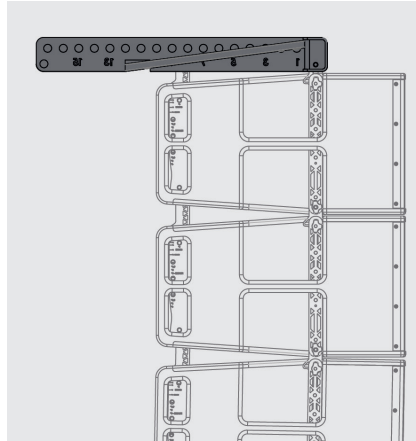
## Touring bumper



### TA-X12CL

for XA112  
Loading 4 cabinets with 10:1 safety ratio

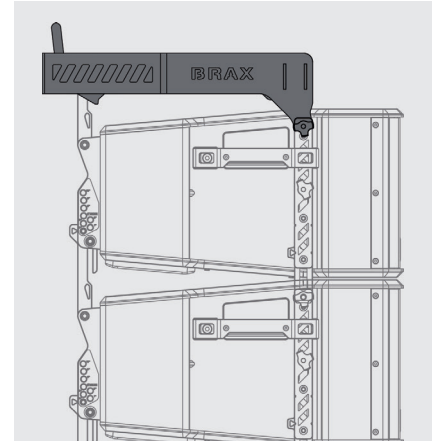
## Touring bumper



### TA-X212 for X212AFD

Loading 6 cabinets with 10:1 safety ratio  
Loading 12 cabinets with 5:1 safety ratio

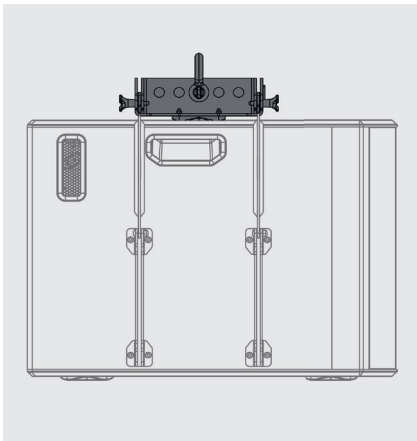
## Touring bumper



### BRAX for XA211

Loading 8 cabinets with 12:1 safety ratio  
Loading 16 cabinets with 6:1 safety ratio

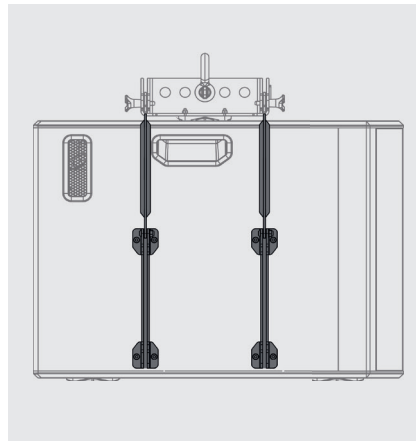
## Touring bumper



### BRWX for XW118

Loading 4 cabinets with 10:1 safety ratio

## Flying hardware



### KRW118 for XW118

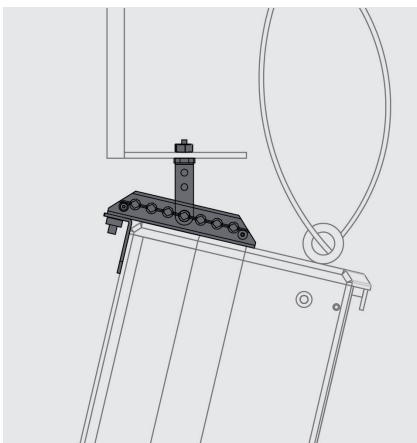
## Flying bar



### HR-L102

for two units X102FD  
Vertical rigging bar with 3 pins

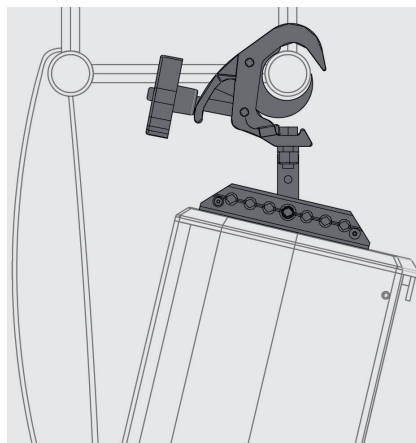
## Flying bar



### HR-L

for X14FD / X102FD  
Rigging bar

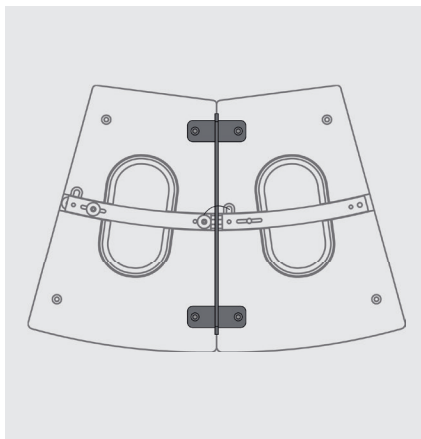
## Flying bar



### HR-L/GT

for X14FD / X102FD  
Rigging bar with 50 mm hook

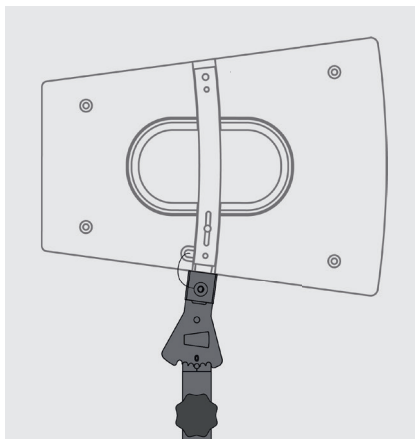
**Hardware**



**CR-X12CL**

for XA112  
Cluster rigging

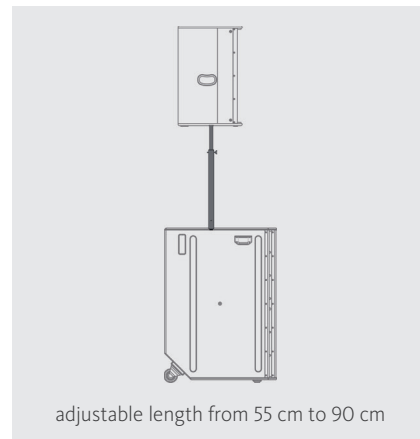
**Hardware**



**PA-X12CL**

for XA112 on pole mount

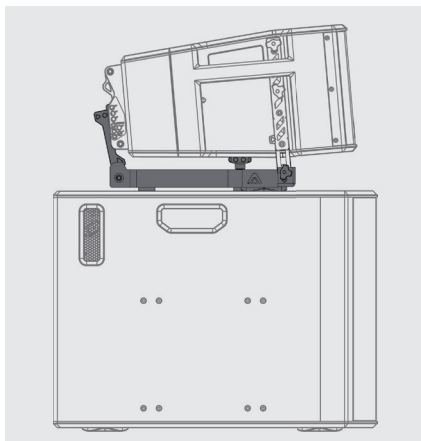
**Hardware**



**SP/CRTL**

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

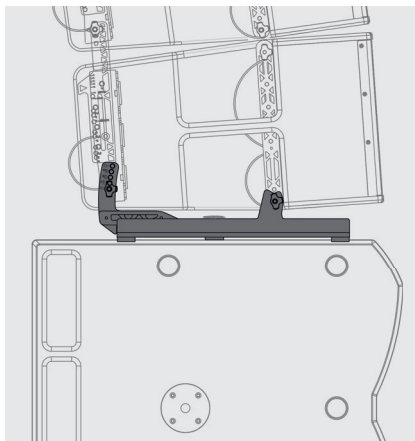
**Stacking**



**STAX**

for XA211 / XW118

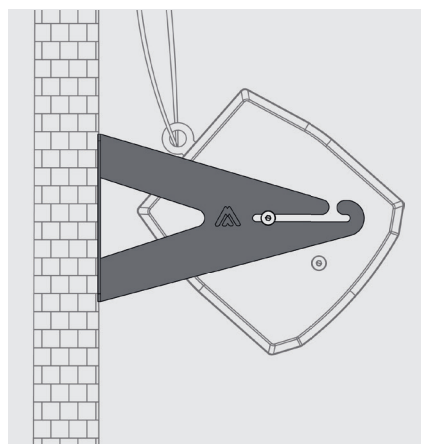
**Stacking**



**FR-X212**

for X212AFD / XW218

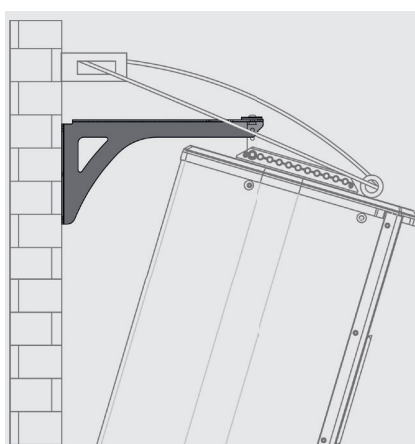
**Wall mount bracket**



**UB-L**

for X14FD

**Wall mount bracket**



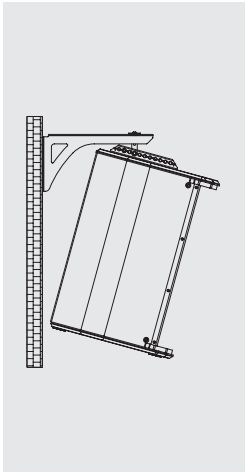
**SP-WHR** for XA211

for X14FD, X102FD

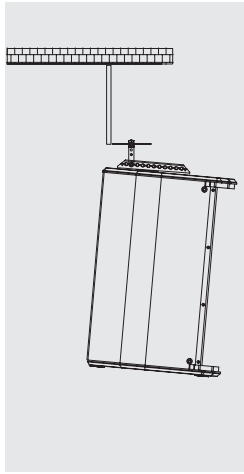
# Xcellence Configurations

## Flying Hardware

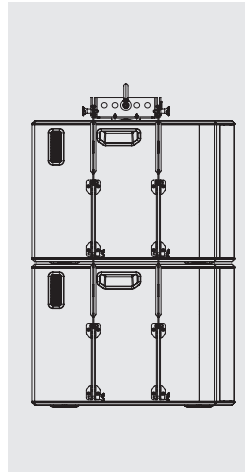
## Cluster



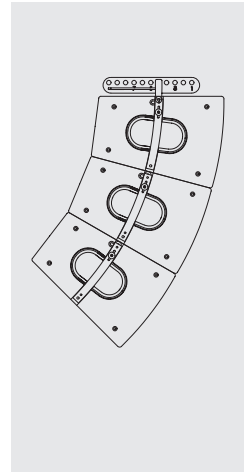
X14FD + HR-L + SP-WHR



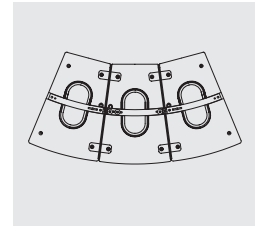
X14FD + HR-L



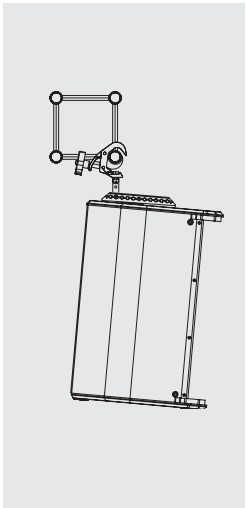
BRWX + 2xXW118 + 2xKRW118



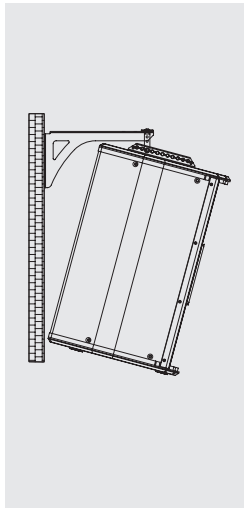
3xXA112 + TA-X12CL



3xXA112 + CR-X12CL



X14FD + HR-L/GT



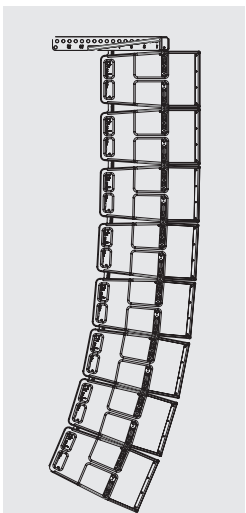
X102FD + HR-L + SP-WHR



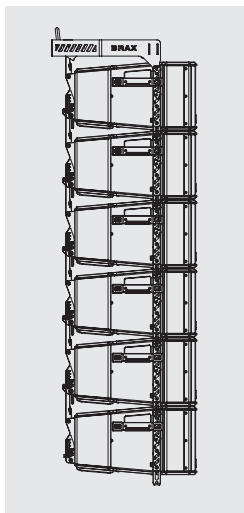
2xX102FD + HR-L + HR-L102



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



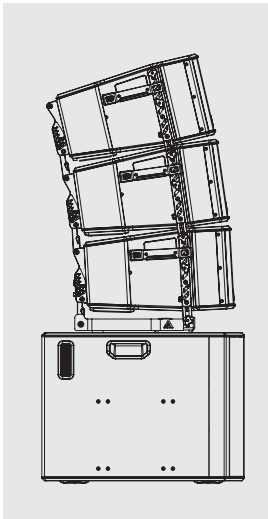
8xX212AFD + TA-X212



BRAX + 8xXA211

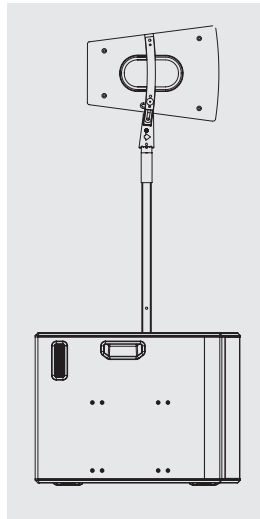
## Stacking Hardware

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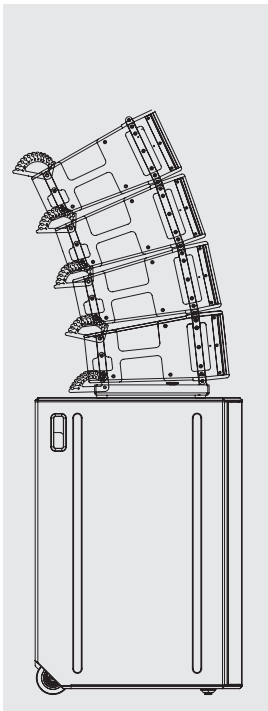
XW118 + STAX +  
3xXA211

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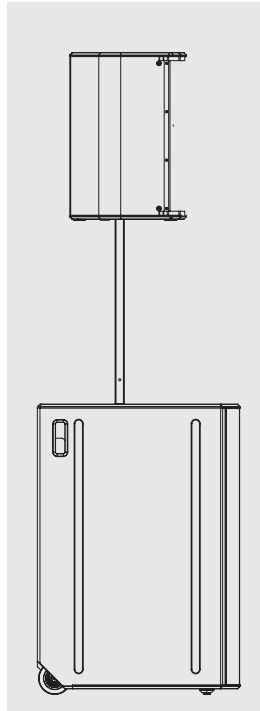
XA112 + XW118 +  
PA-X12CL + SP/CRTL

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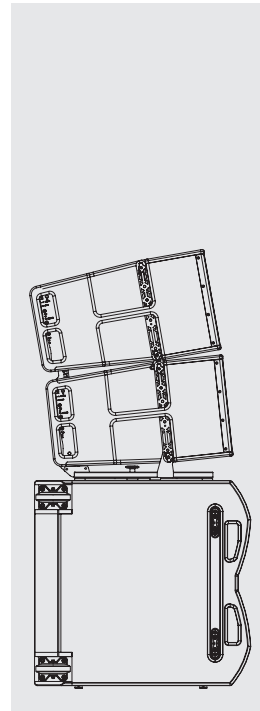
4xN208 + XW218 + FR-  
X208R

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X14FD + XW218 +  
SP-CRTL

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2xX212AFD +  
XW218 + FR-X212

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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.

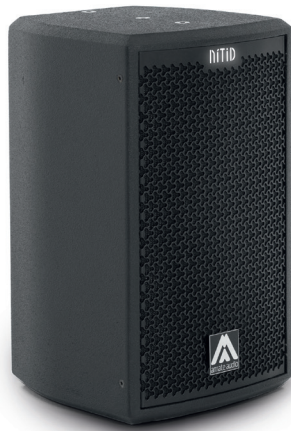
### The perfect balance

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.



Smart Screen Rotation

# 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) :** 62 Hz - 20 kHz

**Built-in DSP :** 64-bit processing unit.

**Maximum SPL (1m) :** 115 dB (musical program)

**Directivity (-6dB) :** 70° (H) x 70° (V)

**Dimensions (HxWxD) :** 370 x 220 x 226 mm

**Weight :** 6.2 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) :** 70° (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) :** 70° (H) x 70° (V)

**Dimensions (HxWxD) :** 572 x 230 x 250 mm

**Weight :** 10.6 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) :** 70° (H) x 70° (V)

**Dimensions (HxWxD) :** 572 x 230 x 250 mm

**Weight :** 9.3 kg



# Point Source / Stage Monitor



## S10 Active DSP Self-powered



**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 (musical program)

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

**Dimensions (HxWxD) :** 543 x 313 x 358 mm

**Weight :** 15.3 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) :** 53 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

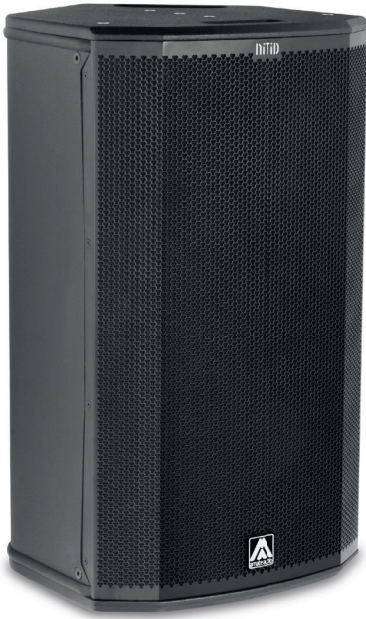
**Dimensions (HxWxD) :** 623 x 363 x 398 mm

**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 (musical program)

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

**Dimensions (HxWxD) :** 733 x 423 x 460 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 (musical program)

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

**Dimensions (HxWxD) :** 733 x 423 x 460 mm

**Weight :** 24.8 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 :** 63 kg



# Subwoofer

NEW PRODUCT



## S12W Active DSP Self-powered Touchscreen Control

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)** : 33 Hz – 140 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)** : 33 Hz – 140 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

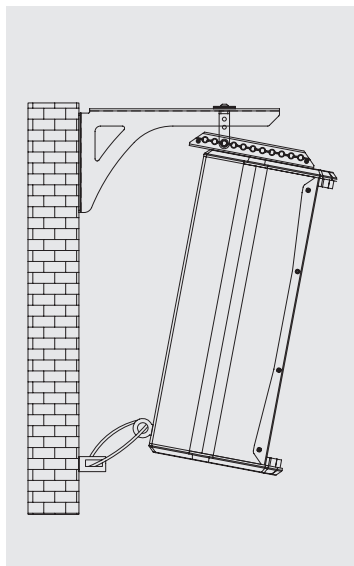




# Nítid-S Configurations

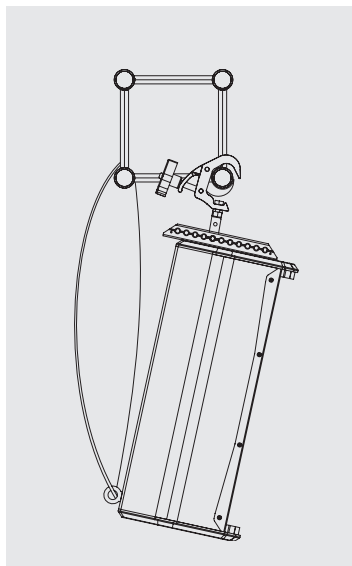
## Flying Hardware

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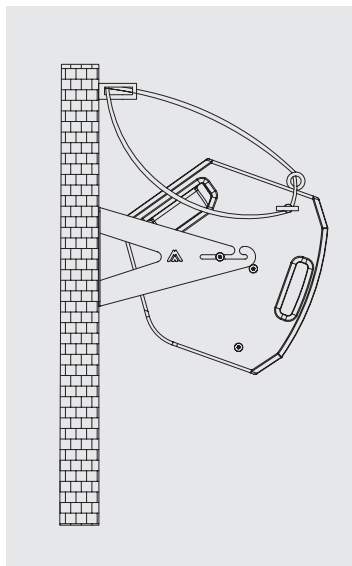
S26 + SP-WHR

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S26 + HR-LU/GT

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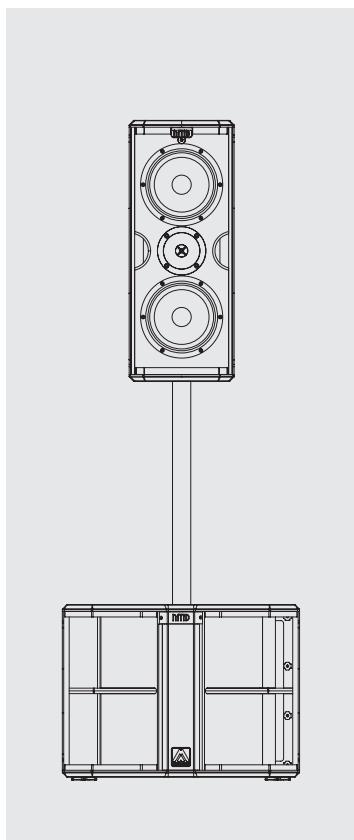


S12 + UBL

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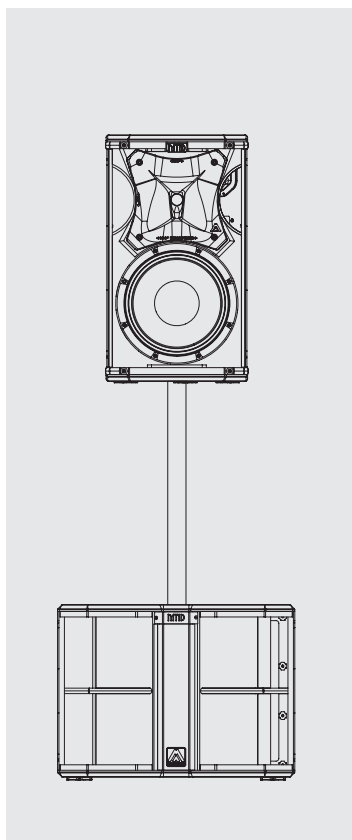
## Stacking Hardware

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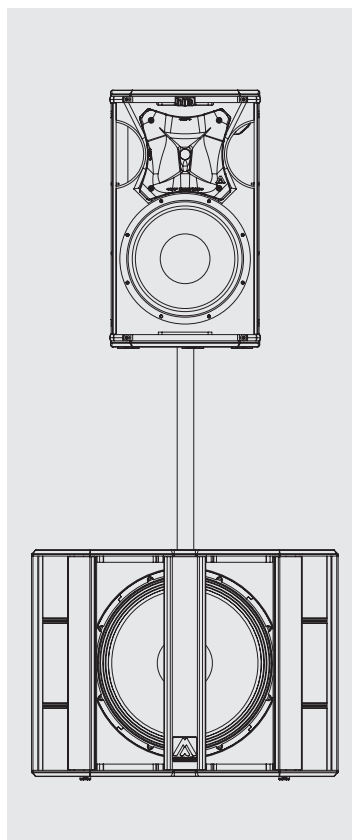
S26 + S12W + SP/CRTL

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S10 + S12W + SP/CRTL

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S12 + S18W + SP/CRTL

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# 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)

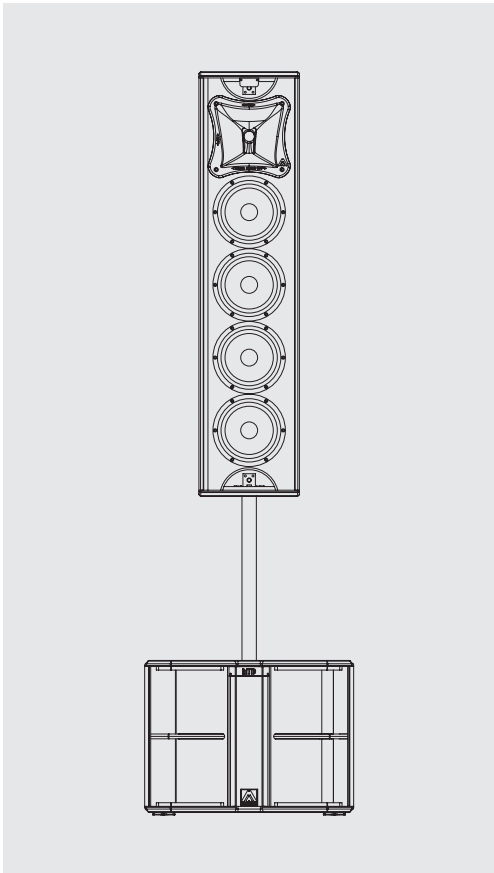
**Dimensions (HxWxD) :** 279 x 684 x 522 mm

**Weight :** 21 kg

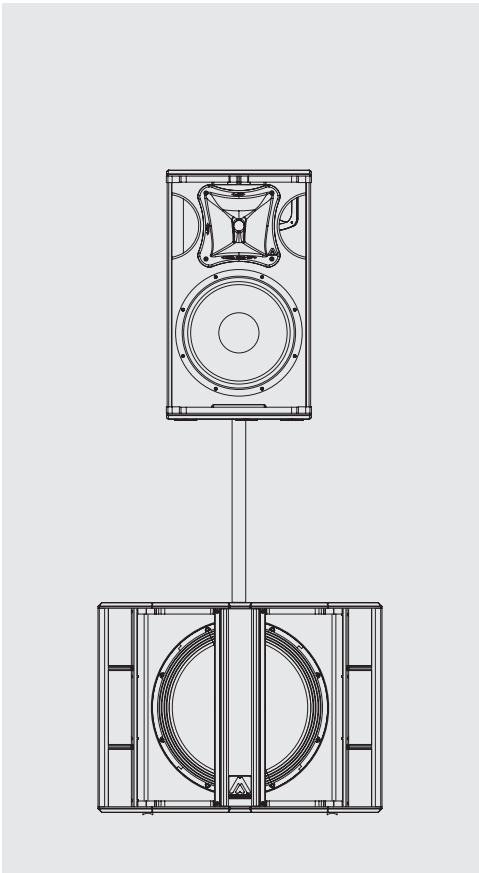


# Nítid Configurations

## Stacking

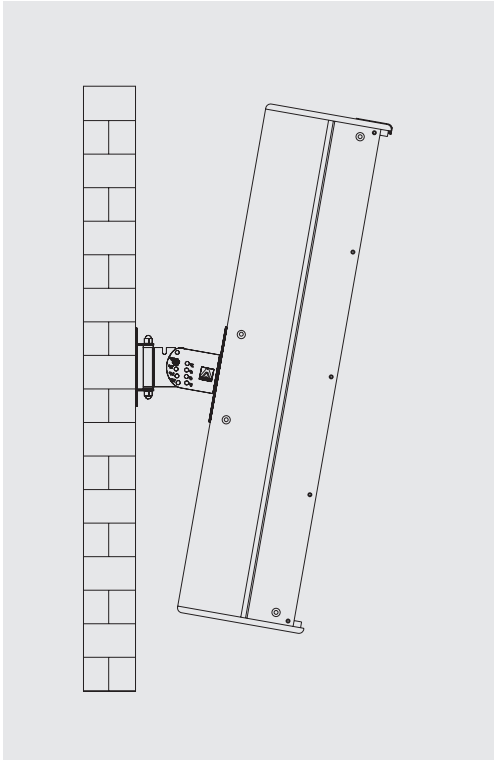


N46 + S12W + SP/CRTL



N12A6 + S18W + SP/CRTL

## Flying Hardware

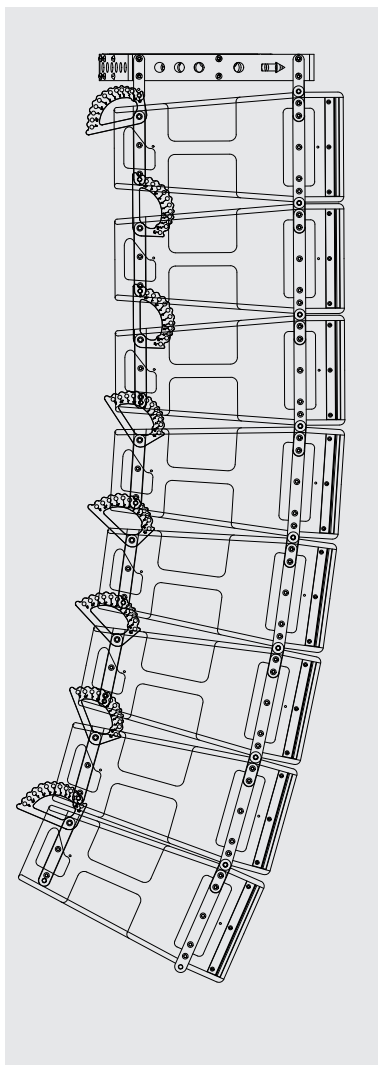


N46 + SP-46N



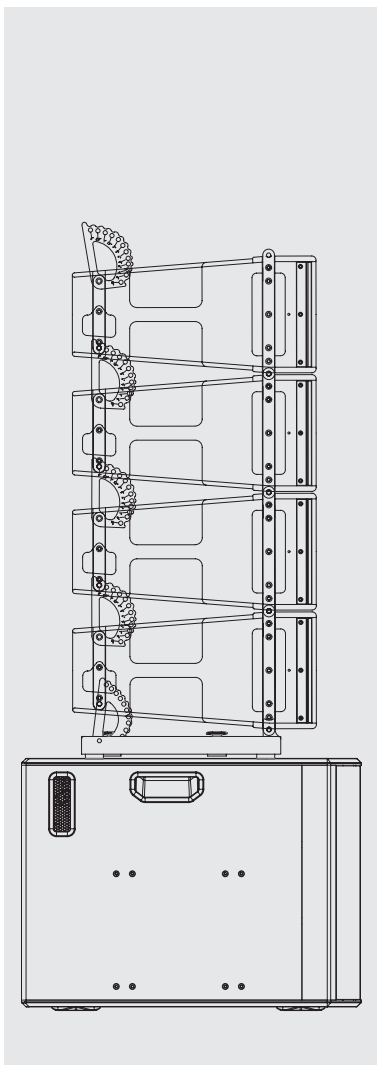
# Nítid Configurations

## Flying

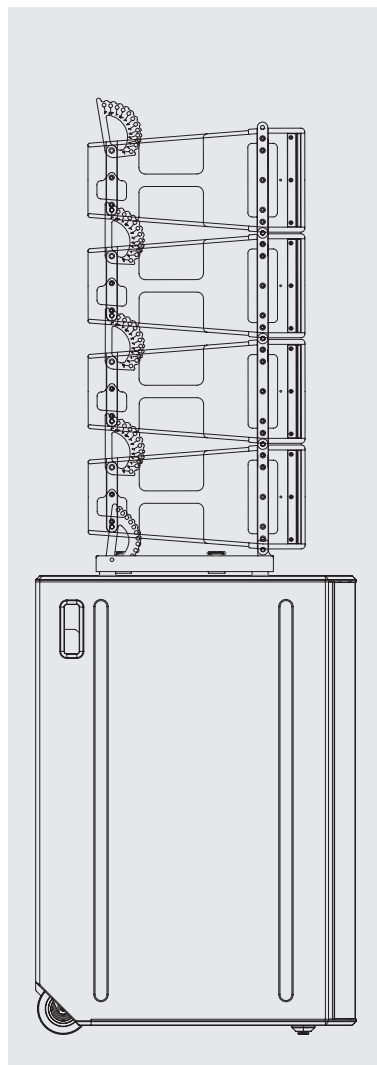


8xN208 + TA-X208

## Stacking



S18W + 4xN208 + FR-208R



S218W + 4xN208 + 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-S12W** for 2 units of S12W, S12WP

**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

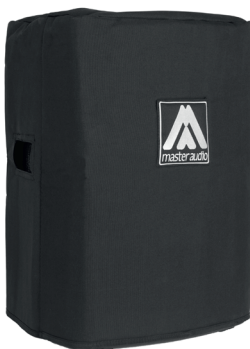
**NC-S12** for S12, S12P

**NC-S12W** for S12W, S12WP

**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

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## Safety sling With accessories – Stainless steel

**SC-15** for S6, S6P, S26, S26P, N36, N46, N46P, S10, S10P, S12, S12P, N12A6, N12P7, S15, S15P

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## Cable Tester

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

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## Cables



### PCS-1

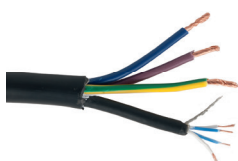
XLR + PowerCon male to XLR + PowerCon female – 1 m

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### PCS-2

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

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### MP/QBS Power/signal balanced cable

For active acoustic systems  
3x 2 mm<sup>2</sup> POWER (Mains)  
4x 0,22 mm<sup>2</sup> SIGNAL (high isolation quad balanced) **100 m reel**

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### CS-100 Balanced signal cable

2x 0,22 mm<sup>2</sup> Double shielded for balanced signal – **100 m reel**

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### SPC-4B Speaker cable for bi-amplified systems

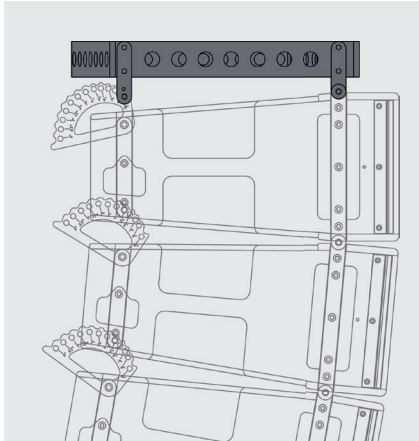
2x 4 mm<sup>2</sup> + 2x 2,5 mm<sup>2</sup> SUPERFLEX – **100 m reel**

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# Nítid Accessories

Stainless steel

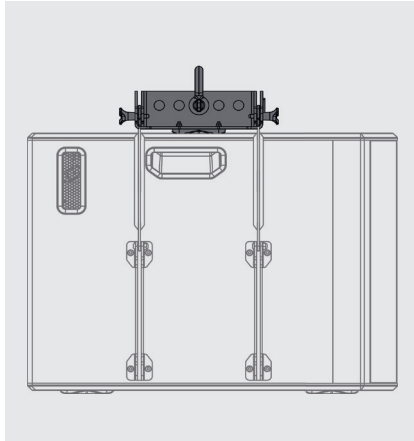
## Touring bumper



**TA-X208R**

for flying N208

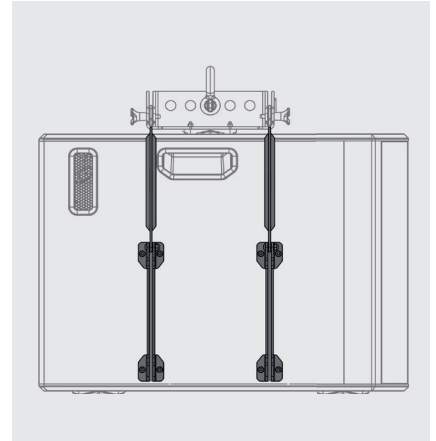
## Touring bumper



**BRWX**

for flying S18W, S18WP

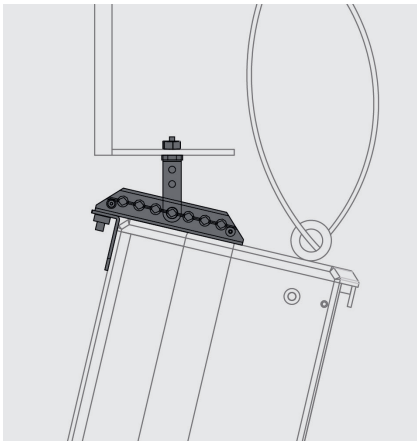
## Flying hardware



**KRW118**

for flying S18W, S18WP

## Flying bar



Rigging bar

**HR-S**

for S6, S6P, N12A6, N12P7

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**HR-C**

for N36, N46, N46P

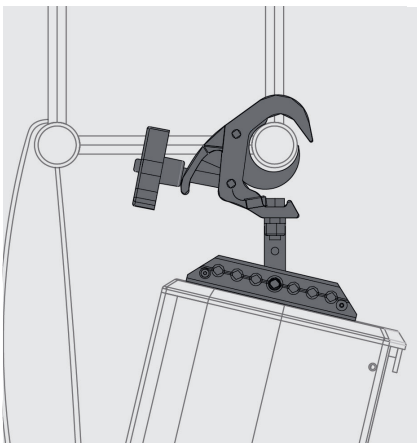
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**HR-LU**

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

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## Flying bar



Rigging bar with 50mm hook

**HR-S/GT**

for S6, S6P, N12A6, N12P7

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**HR-C/GT**

for N36, N46, N46P

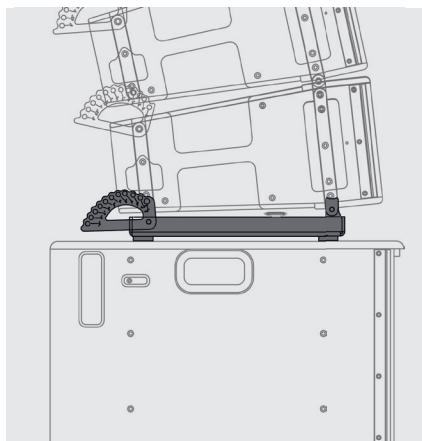
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**HR-LU/GT**

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

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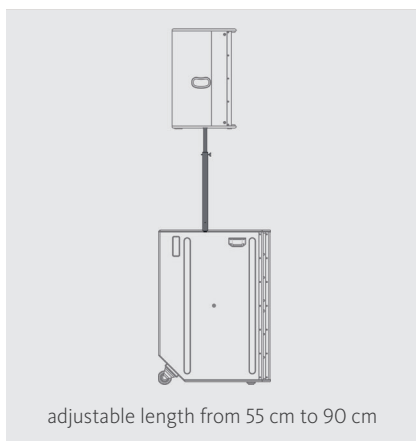
### Stacking frame



#### FR-208R

for N208 over S218W, S218WP, S18W, S18WP

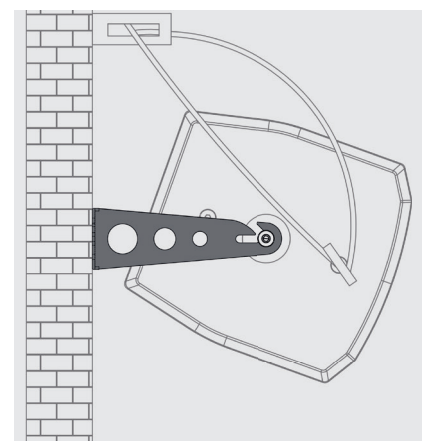
### Hardware



#### SP/CRTL

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

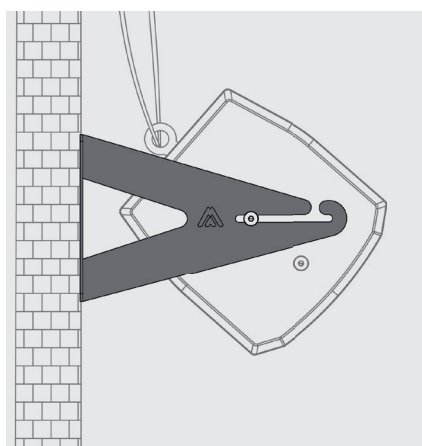
### Wall mount bracket



#### SP-S26

for S26, S26P

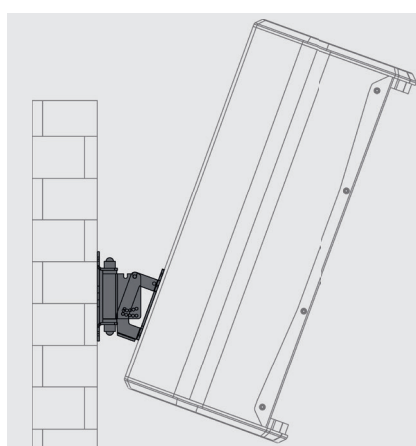
### Wall mount bracket



#### UB-L

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

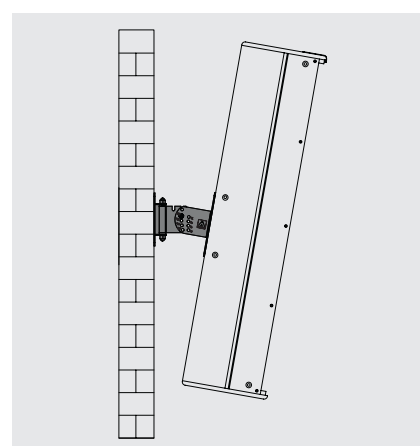
### Wall mount bracket



#### SP-6N

for S6, S6P, S26, S26P, G7

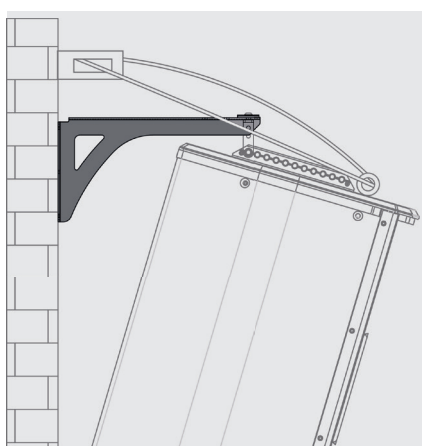
### Wall mount bracket



#### 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



## G7



Available in white, black, titanium and anthracite.

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

Nominal impedance: 16  $\Omega$

**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  $\Omega$  (40 W), 500  $\Omega$  (20 W), 1000  $\Omega$  (10 W), 2000  $\Omega$  (5 W) Direct 16  $\Omega$  (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  $\Omega$

Program Power : 60 W

Sensitivity (1W/1m) : 91 dB

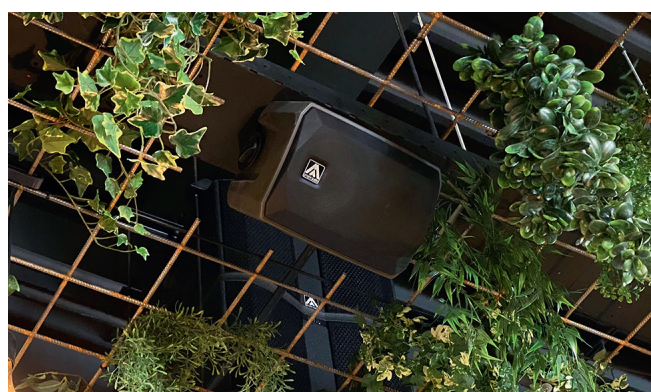
Frequency Response (-10 dB) : 60 Hz - 20 kHz

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 kΩ

**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

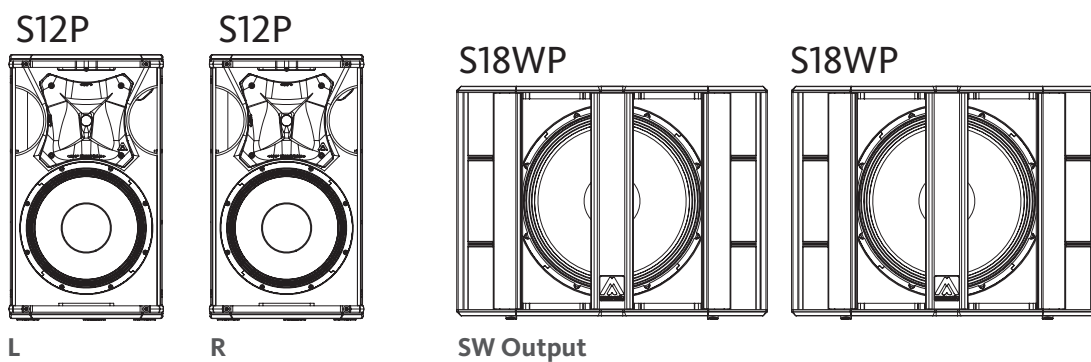


Front view TPD3K



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)

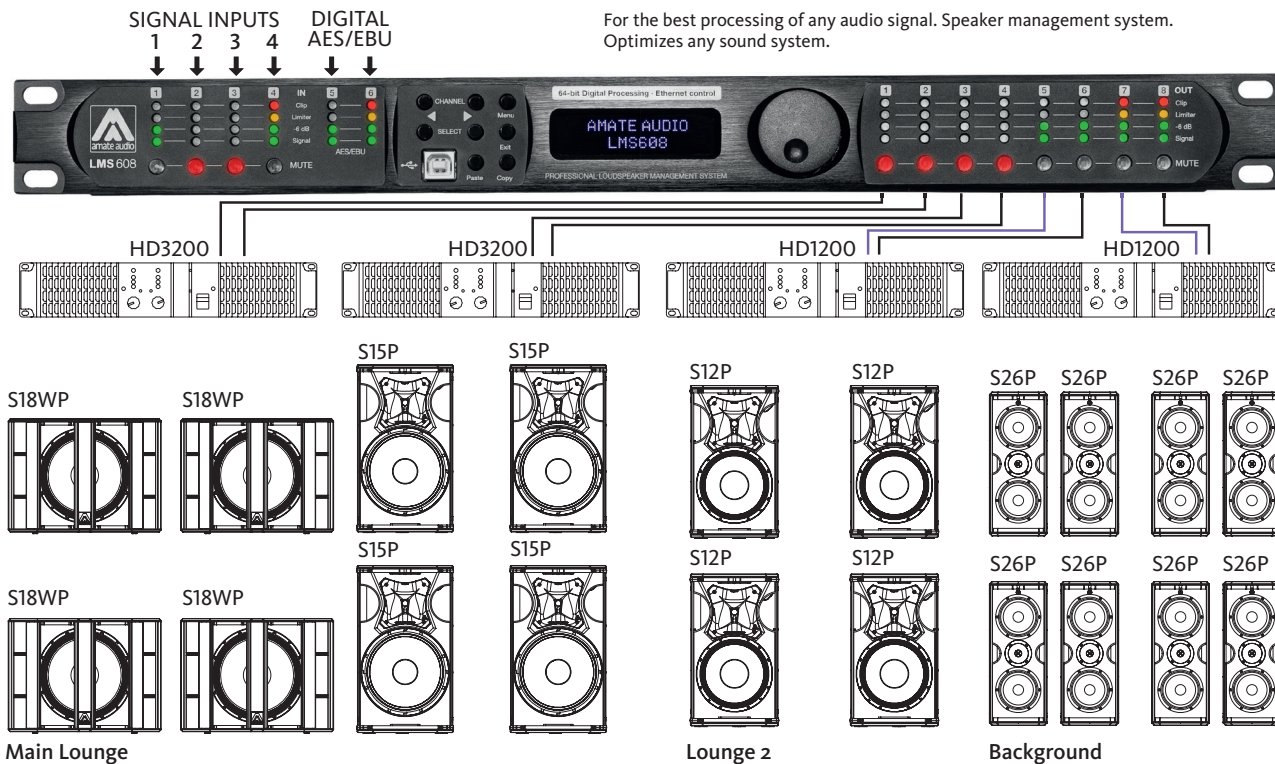
**Input Dynamic Range :** > 116 dB(A)

**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

May 2023



501  
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](http://www.amateaudio.com)