



BS SERIES **CATALOGUE**

Latest edition

Proudly designed, engineered and
manufactured in SPAIN

LYNX
pro-audio

CULTURE OF SOUND

OUR TECHNOLOGY

These are the technological features of our cabinets that you will find on each product card:



DIGITAL PROCESSING

Latest generation 24bit/96Khz digital processor which optimizes the system components.

It includes 2 channel processing electronics with functions for phase correction, driver protection, gain control, equalization, classic crossover and linear phase filtering.



FIR POWERED

In-house engineered FIR filter algorithms allow Lynx systems to deliver outstanding sound quality and phase compatibility within all the DSP powered product range whilst maintaining very low latency.



AES / EBU

For self-powered Lynx Pro Audio cabinets that have this option, enabling digital audio input signal via AES / EBU protocol, accepting signals up to 24 bits and 192 kHz whilst with the software being able to choose if you want to use the input L, R or L + R.



POWER FACTOR CORRECTION

PFC is a measure of how efficiently the load current is being converted into a more useful output current. With PFC the power supply regulates itself when AC mains change, so the amp power output will not change with mains swinging.

This system is also very environmentally friendly with a reduction of approximately 40% of current draw. It transforms the power consumed in to "useful power" producing less hum and distortion.



NEODYMIUM

Lynx Pro Audio cabinets that use neodymium magnet group components benefit from special characteristics such as improved driver performance and of course the saving in overall system weight.



ATMOSPHERIC

Air absorption compensation is an algorithm that compensates for the loss of pressure caused by weather conditions and the distance to the listener's ear from the sound system.

By introducing three parameters (temperature, relative humidity and distance) the algorithm calculates the losses and compensates for this loss so they are not apparent in the listening zone.



DIGITAL INCLINOMETER

Automatic function to calculate cabinet splay angles. The inclinometer data can be viewed and controlled from the cabinet LCD display either manually or automatically.

The inclinometer automatically communicates with the DSP and modifies the equalization algorithms. According to the splay angle of the inclinometer the DSP compensates for atmospheric loss.

The result is a more efficient performance and a flat response, even at long distances.



IMPORT DATA

This feature of our control software allows us to add the electro-acoustic response of the system we want to adjust to our processing chain, enabling us to see the total system response and not just the electrical one.



FLOAT POINT OPERATIONS IN DOUBLE PRECISION

The DSP processing works with double precision, achieving an internal resolution of 56 bits or 64 bits, one of the largest resolutions available on the market today.



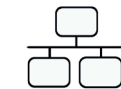
This enables the use of high precision filters with extremely low distortion delivering unbeatable sound clarity and quality.



AMPLIFICATION

The Class D amplifier is characterized by high efficiency (low loss of energy), which results in smaller heat sinks and much smaller total power consumed by reducing the weight and size of the amplifier.

Class D amplifiers achieve about 80% higher efficiency than other amplifiers, whose efficiency is approximately 45%. There are significant advantages, the lower dissipation produces less heat and saves circuit board space.



ETHERNET

This option enables you to connect various devices in a standard Ethernet network and control them remotely through our OCS 'Online Control Software'.



ONLINE CONTROL SYSTEM

OCS is a software to control each cabinet in real time (via Ethernet or pc). It obtains detailed information of the cabinet behaviour: RMS levels, Input clip, compression levels, power module temperature, air absorption compensation and cabinet angulation.



CABINET UPDATER

This software enables you to update your cabinets with the latest presets and firmware. Enclosures are connected via Internet to our servers and automatically detects any updates that might have been made for them. This ensures the end user always has all the improvements developed by our R & D department available for their system.



RAINBOW 3D

Based on polar response measurements, taken meticulously with a 360° sphere in a 3D environment.

The Rainbow 3D software calculates the response from multiple sound sources in a 3D space. In addition, the user can optimize the response using our FIR filtering technology.

BS series





- Compact two-way passive cabinet
- Multi-angle enclosure
- 90° x 60° rotatable horn
- Screwless grille with protective acoustic textile
- Integrated ergonomic handle
- Hidden speakon connection
- Top hat for pole mounting
- Multiple installation options, including stage monitor
- Polyurea coating

The BS-8 is a compact, two-way passive cabinet. Consists of a 8" (2" voice coil) LF transducer and a 1" HF driver mounted on a 90° x 60° rotatable horn offering a wide range of applications from fixed installations, frontfill and as a stage monitor.

The 8" driver offers high power handling and high sensitivity with low harmonic distortion and linear response. The cone is waterproof and has been treated on both sides. The 1" HF driver delivers high sensitivity with a PETP diaphragm. The cabinet can be complemented by the BS-112 or BS-118 subwoofers and offers tremendous sound and clarity over short/mid distances.

Constructed from premium birch plywood and coated in high resistant polyurea paint. The enclosure also offers a screw free grille together with a number of dedicated accessories. Although the BS-8 can be used without a processor we recommend that the cabinet presets are applied for a maximum optimization and performance.

Applications: club & bar installations, sound reinforcement, theatres, houses of worship, multi media spaces and public address.



BS-8

Components	LF: 8" speaker, 2" (50 mm) copper wire voice coil, waterproof cone with treatment for both sides HF: 1" exit throat, (25 mm) voice coil, PETP dome compression driver
Frequency Range	70 Hz - 18 KHz (± 3 dB)
Sensitivity	93 dB
Max. SPL/ Peak*	118 dB / 124 dB
Rated Power (AES)	300 W AES, 600 W program, 1200 W peak
Dispersion	90° x 60° rotatable
Nominal Impedance	8 Ω
Connectors	2 x NEUTRIK Speakon NL4
Finish	Polyurea coating high grade resistant paint
Material	15 mm premium birch plywood
Dimensions	456 x 255 x 259 mm (H x W x D)
Weight	12 Kg (26.4 lbs)
Fittings	5 x M8, single pole-mount, ergonomic handle on the back position
Shape Enclosure	Multi angle enclosure



- Compact two-way passive cabinet
- Multi-angle enclosure
- 90° x 60° rotatable horn
- Screwless grille with protective acoustic textile
- Integrated ergonomic handle
- Hidden speakon connection
- Top hat for pole mounting
- Multiple installation options, including stage monitor

The BS-8 is a compact, two-way passive cabinet. Consists of a 8" (1.5" voice coil) LF transducer and a 1" HF driver mounted on a 90° x 60° rotatable horn offering a wide range of applications from fixed installations, frontfill and as a stage monitor.

The 8" driver offers high power handling and high sensitivity with low harmonic distortion and linear response. The cone is waterproof and has been treated on both sides. The 1" HF driver delivers high sensitivity with a PETP diaphragm. The cabinet can be complemented by the BS-112 or BS-118 subwoofers and offers tremendous sound and clarity over short/mid distances.

The enclosure also offers a screw free grille together with a number of dedicated accessories. Although the BS-8C can be used without a processor we recommend that the cabinet presets are applied for a maximum optimization and performance.

Applications: club & bar installations, sound reinforcement, theatres, houses of worship, multi media spaces and public address.



BS-8C

Components	LF: 8" speaker, 1.5" (38.1 mm) copper wire voice coil, waterproof cone with treatment for both sides HF: 1" exit throat, (25 mm) voice coil, PETP dome compression driver
Frequency Range	80 Hz - 18 KHz (± 3 dB)
Sensitivity	94 dB
Max. SPL/ Peak*	116 dB / 122 dB
Rated Power (AES)	150 W AES, 300 W program, 600 W peak
Dispersion	90° x 60° rotatable
Nominal Impedance	8 Ω
Connectors	2 x NEUTRIK Speakon NL4
Finish	Water base paint
Material	15 mm MDF
Dimensions	456 x 255 x 259 mm (H x W x D)
Weight	12 Kg (26.4 lbs)
Fittings	5 x M8, single pole-mount, ergonomic handle on the back position
Shape Enclosure	Multi angle enclosure



- Compact two-way passive cabinet
- Multi-angle enclosure
- 90° x 60° rotatable horn
- Screwless grille with protective acoustic textile
- Integrated ergonomic handle
- Hidden speakon connection
- Top hat for pole mounting
- Multiple installation options, including stage monitor
- Polyurea coating

The BS-10 is a compact, two-way passive cabinet. Consists of a 10" (2" voice coil) LF transducer and a 1" HF driver mounted on a 90° x 60° rotatable horn offering a wide range of applications from fixed installations, frontfill and as a stage monitor.

The 10" driver offers high power handling and high sensitivity with low harmonic distortion and linear response. The cone is waterproof and has been treated on both sides. The 1" HF driver delivers high sensitivity, with a PETP diaphragm.

The cabinet can be complemented by the BS-112 or BS-118 subwoofers and offers tremendous sound and clarity over short/mid distances. Constructed from premium birch plywood and coated in high resistant polyurea paint. The enclosure also offers a screw free grille together with a number of dedicated accessories. Although the BS-10 can be used without a processor we recommend that the cabinet presets are applied for maximum optimization and performance.

Applications: club & bar installations, sound reinforcement, theatres, houses of worship, multi media spaces and public address.



BS-10

Components	LF: 10" speaker, 2" (50 mm) copper wire voice coil, waterproof cone with treatment for both sides HF: 1" exit throat, (25 mm) voice coil, PETP dome compression driver
Frequency Range	65 Hz - 18 KHz (± 3 dB)
Sensitivity	94 dB
Max. SPL/ Peak*	119 dB / 125 dB
Rated Power (AES)	300 W AES, 600 W program, 1200 W peak
Dispersion	90° x 60° rotatable
Nominal Impedance	8 Ω
Connectors	2 x NEUTRIK Speakon NL4
Finish	Polyurea coating high grade resistant paint
Material	15 mm premium birch plywood
Dimensions	505 x 300 x 301 mm (H x W x D)
Weight	14 Kg (30.8 lbs)
Fittings	5 x M8, single pole-mount, ergonomic handle on the back position
Shape Enclosure	Multi angle enclosure



- Compact two-way passive cabinet
- Multi-angle enclosure
- 90° x 60° rotatable horn
- Screwless grille with protective acoustic textile
- Integrated ergonomic handle
- Hidden speakon connection
- Top hat for pole mounting
- Multiple installation options, including stage monitor

The BS-10 is a compact, two-way passive cabinet. Consists of a 10" (1.5" voice coil) LF transducer and a 1" HF driver mounted on a 90° x 60° rotatable horn offering a wide range of applications from fixed installations, frontfill and as a stage monitor.

The 10" driver offers high power handling and high sensitivity with low harmonic distortion and linear response. The cone is waterproof and has been treated on both sides. The 1" HF driver delivers high sensitivity, with a PETP diaphragm.

The cabinet can be complemented by the BS-112 or BS-118 subwoofers and offers tremendous sound and clarity over short/mid distances.

The enclosure also offers a screw free grille together with a number of dedicated accessories. Although the BS-10C can be used without a processor we recommend that the cabinet presets are applied for maximum optimization and performance.

Applications: club & bar installations, sound reinforcement, theatres, houses of worship, multi media spaces and public address.



BS-10

Components	LF: 10" speaker, 1.5" (38.1 mm) copper wire voice coil, waterproof cone with treatment for both sides HF: 1" exit throat, (25 mm) voice coil, PETP dome compression driver
Frequency Range	65 Hz - 18 KHz (± 3 dB)
Sensitivity	94 dB
Max. SPL/ Peak*	117 dB / 123 dB
Rated Power (AES)	200 W AES, 400 W program, 800 W peak
Dispersion	90° x 60° rotatable
Nominal Impedance	8 Ω
Connectors	2 x NEUTRIK Speakon NL4
Finish	Water base paint
Material	15 mm premium birch plywood
Dimensions	505 x 300 x 301 mm (H x W x D)
Weight	14 Kg (30.8 lbs)
Fittings	5 x M8, single pole-mount, ergonomic handle on the back position
Shape Enclosure	Multi angle enclosure



- Compact two-way passive cabinet
- Multi-angle enclosure
- 90° x 60° rotatable horn
- Screwless grille with protective acoustic textile
- Integrated ergonomic handle
- Hidden speakon connection
- Double top hat for pole mounting
- Multiple installation options, including stage monitor
- Polyurea coating

The BS-12 is a compact, two-way passive cabinet. Consists of a 12" (3" voice coil) LF transducer and a 1" HF driver mounted on a 90° x 60° rotatable horn offering a wide range of applications from fixed installations, frontfill and as a stage monitor.

The 12" driver offers high power handling and high sensitivity with low harmonic distortion and linear response. The cone is waterproof and has been treated on both sides. The ultra compact 1" HF driver achieves high sensitivity, with exceptional dynamic range creating remarkable depth and definition.

The cabinet can be complemented by the BS-112 or BS-118 subwoofers and offers tremendous sound and clarity over medium distances. Constructed from premium birch plywood and coated in high resistant polyurea paint. The enclosure also offers a screw free grille together with a number of dedicated accessories. Although the BS-12 can be used without a processor we recommend that the cabinet presets are applied for maximum optimization and performance.

Applications: club & bar installations, sound reinforcement, theatres, houses of worship, multi media spaces and public address.



BS-12

Components	LF: 12" speaker, 3" (75 mm) copper wire voice coil, waterproof cone with treatment for both sides HF: 1" exit throat, (25.4 mm) voice coil, polyester dome compression driver
Frequency Range	60 Hz - 20 KHz (± 3 dB)
Sensitivity	96 dB
Max. SPL/ Peak*	122 dB / 128 dB
Rated Power (AES)	400 W AES, 800 W program, 1600 W peak
Dispersion	90° x 60° rotatable
Nominal Impedance	8 Ω
Connectors	2 x NEUTRIK Speakon NL4
Finish	Polyurea coating high grade resistant paint
Material	15 mm premium birch plywood
Dimensions	589 x 350 x 348 mm (H x W x D)
Weight	19 Kg (41.8 lbs)
Fittings	9 x M6, single pole-mount, ergonomic handle on the back position
Shape Enclosure	Multi angle enclosure



- Compact two-way passive cabinet
- Multi-angle enclosure
- 90° x 60° rotatable horn
- Screwless grille with protective acoustic textile
- Integrated ergonomic handle
- Hidden speakon connection
- Double top hat for pole mounting
- Multiple installation options, including stage monitor
- Polyurea coating

The BS-15 is a compact, two-way passive cabinet. Consists of a 15" (3" voice coil) LF transducer and a 1" HF driver mounted on a 90° x 60° rotatable horn offering a wide range of applications from fixed installations, frontfill and as a stage monitor.

The 15" driver offers high power handling and high sensitivity with low harmonic distortion and linear response. The cone is waterproof and has been treated on both sides. The ultra compact 1" HF driver achieves high sensitivity, with exceptional dynamic range creating remarkable depth and definition.

The cabinet can be complemented by the BS-112 or BS-118 subwoofers and offers tremendous sound and clarity over medium distances. Although the BS-15 can be used without processor we recommend that the cabinet presets are applied for maximum optimization and performance.

Applications: club & bar installations, sound reinforcement, theatres, houses of worship, multi media spaces and public address.



BS-15

Components	LF: 15" speaker, 3" (75 mm) copper wire voice coil, waterproof cone with treatment for both sides HF: 1" exit throat, (25.4 mm) voice coil, polyester dome compression driver
Frequency Range	55 Hz - 20 KHz (± 3 dB)
Sensitivity	98 dB
Max. SPL/ Peak*	124 dB / 130 dB
Rated Power (AES)	400 W AES, 800 W program, 1600 W peak
Dispersion	90° x 60° rotatable
Nominal Impedance	8 Ω
Connectors	2 x NEUTRIK Speakon NL4
Finish	Polyurea coating high grade resistant paint
Material	15 mm premium birch plywood
Dimensions	664 x 425 x 420 mm (H x W x D)
Weight	24 Kg (52.9 lbs)
Fittings	5 x M8, double pole-mount with 10° angle, ergonomic handle on the back position
Shape Enclosure	Multi angle enclosure



- Compact band pass subwoofer cabinet
- Ultra low air noise
- Screwless grille with protective acoustic textile
- Integrated ergonomic handle
- Hidden speakon connection
- Pole mount fitting
- Polyurea coating

The BS-112 is a compact, passive subwoofer cabinet designed to extend low frequency support to the four BS Series full range cabinets.

The 12" (3" voice coil) driver offers high power handling and high sensitivity with low distortion and ultra low air noise. The cone is waterproof and rubber suspension has been treated on both sides and has been optimized for band pass subwoofer applications.

Constructed from premium birch plywood and coated in high resistant polyurea paint. The enclosure also offers a screw free grille together with pole mount fitting so that it can be used with any of the four full range cabinets. We recommend that the cabinet presets are applied for maximum optimization and performance.

Applications: club & bar installations, sound reinforcement, theatres, houses of worship, multi media spaces and public address.



BS-112

Components	LF: 12" speaker, 3" (75 mm) copper wire voice coil, waterproof cone with treatment for both sides
Frequency Range	40 Hz - 90 Hz with preset
Sensitivity	93 dB
Max. SPL/ Peak*	120 dB / 126 dB
Rated Power (AES)	500 W AES, 1000 W program, 2000 W peak
Dispersion	Quasiomnidirectional
Nominal Impedance	8 Ω
Connectors	2 x NEUTRIK Speakon NL4
Finish	Polyurea coating high grade resistant paint
Material	15 mm premium birch plywood
Dimensions	406 x 655 x 400 mm (H x W x D)
Weight	29 Kg (63.9 lbs)
Fittings	2 integrated ergonomic handles, 4 rubber feets right side for vertical install, M-10 fly point
Type Enclosure	Band pass subwoofer



- Compact, direct radiation subwoofer cabinet
- Ultra low air noise
- Screwless grille with protective acoustic textile
- Integrated ergonomic handle
- Hidden speakon connection
- Pole mount fitting
- Polyurea coating

The BS-118 is a compact, passive subwoofer cabinet designed to extend low frequency support to the four BS Series full range cabinets.

The 18" (3" voice coil) driver offers high power handling and high sensitivity with low distortion and ultra low air noise. The cone is waterproof, has been treated on both sides and has been optimized for direct radiation subwoofer applications.

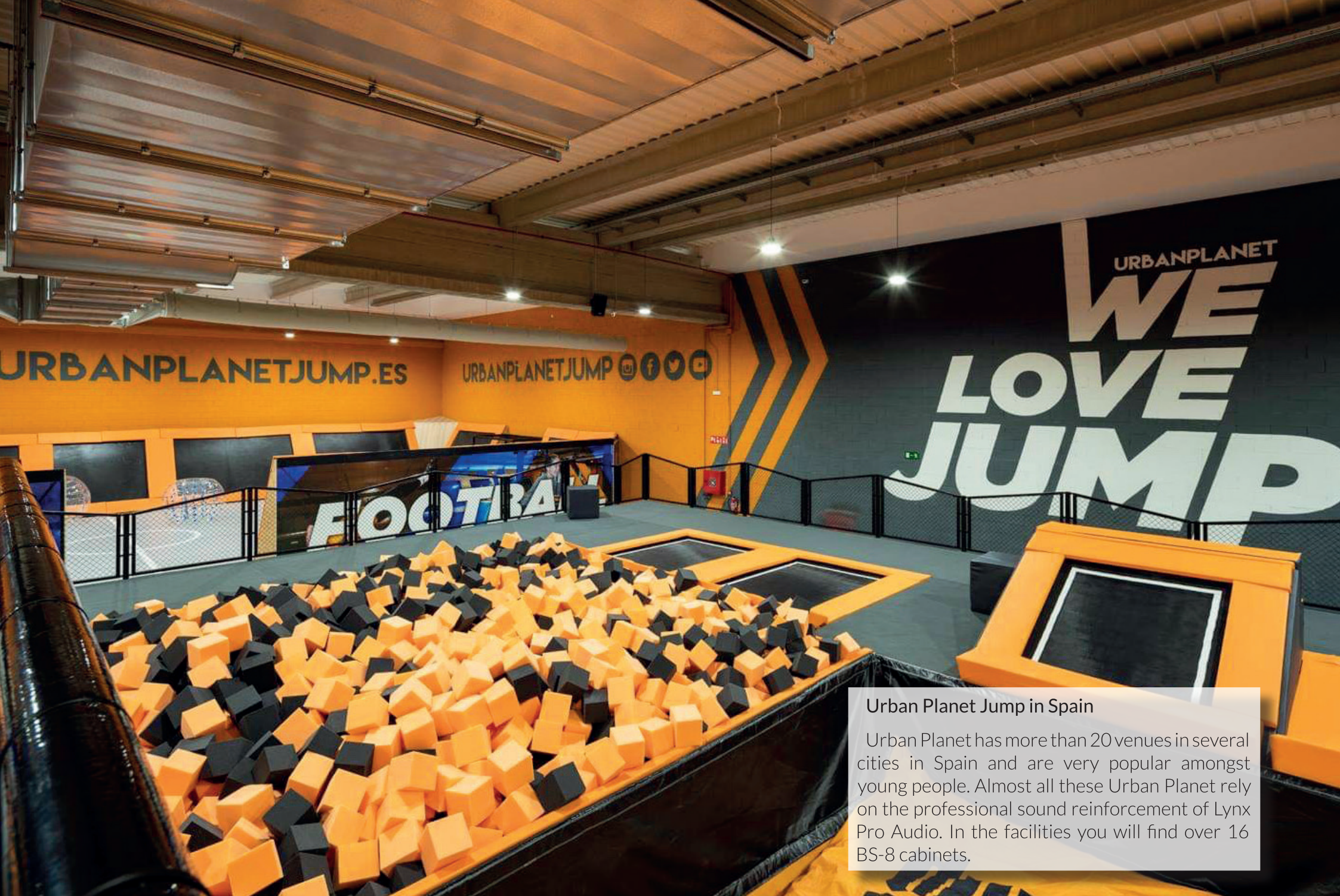
Constructed from premium birch plywood and coated in high resistant polyurea paint. The enclosure also offers a screw free grille together with pole mount fitting so that it can be used with any of the four full range cabinets. We recommend that the cabinet presets are applied for maximum optimization and performance.

Applications: club & bar installations, sound reinforcement, theatres, houses of worship, multi media spaces and public address.



BS-118

Components	LF: 18" speaker, 3" (75 mm) copper wire voice coil, waterproof cone with treatment for both sides
Frequency Range	38 Hz - 100 Hz with preset
Sensitivity	98 dB
Max. SPL/ Peak*	126 dB / 132 dB
Rated Power (AES)	600 W AES, 1200 W program, 2400 W peak
Dispersion	Omnidirectional
Nominal Impedance	8 Ω
Connectors	2 x NEUTRIK Speakon NL4
Finish	Polyurea coating high grade resistant paint
Material	15 mm premium birch plywood
Dimensions	533 x 660 x 570 mm (H x W x D)
Weight	33 Kg (52.9 lbs)
Fittings	2 integrated ergonomic handles, 4 rubber feets right side for vertical install, M-10 fly point
Type Enclosure	Bass reflex direct radiation subwoofer



Urban Planet Jump in Spain

Urban Planet has more than 20 venues in several cities in Spain and are very popular amongst young people. Almost all these Urban Planet rely on the professional sound reinforcement of Lynx Pro Audio. In the facilities you will find over 16 BS-8 cabinets.

Follow us on



or visit our website

www.lynxproaudio.com

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