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LINE SOURCE

Loudspeaker system, configured in array that act as a single acoustical entity for applications of high SPL



- Dual 6" LF Neodymium in Vented Enclosure
- 1,4" Titanium Driver (3" VC) on Wave Guide
- Fly Mounting Hardware Included
- Powering Mode: Full Range Passive or Bi-Amp
(with Internal Passive Crossover)
- For Touring or Permanent Installation

Product Information

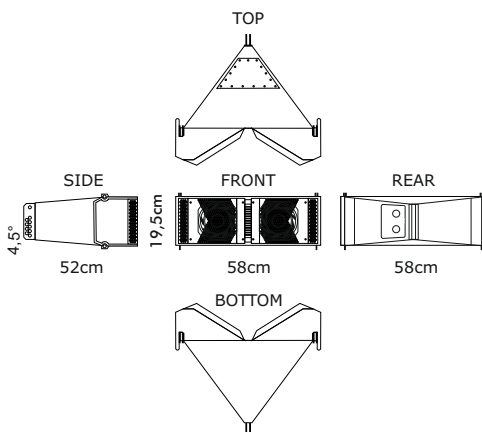
2-WAY loudspeaker system provides higher output, lower distortion sound reinforcement for the entire range of pro audio application. The 152 mm (6") low frequency cone with 45 mm (1.75") voice coil with Neodymium magnet and 75 mm (3") voice coil high frequency compression driver provides higher output and low distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. ST17 is designed specifically for vertical curvilinear array.

Data Sheet

Frequency Response	±3 dB 75 Hz ~ 18 KHz -10 dB 58 Hz
Sensitivity (1 Watt @ 1 m)	98 dB
Max SPL Calculated	124 dB
Nominal Input Impedance (Ω)	16 Ω
Power Handling (Watts Cont. AES)	400 W
Peak Power	1600 W
Nominal Dispersion (@ -6 dB)	120° (H) x 9° (V)
Dimensions mm (±1 mm) (H x W x D)	195 x 580 x 520 with Hardware
Weight	14 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 3+3 Point Mounting Suspension
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Flight Case for 4 ST17, Pole Mounting Adapter



ARRAY SYSTEMS | INSTALL | TOURING

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- 12" LF Neodymium in Vented Enclosure
- Fly Mounting Hardware Included
- Powering Mode: BF (with External Digital Crossover and External Amplifier)
- For Touring or Fixed Installation

Product Information

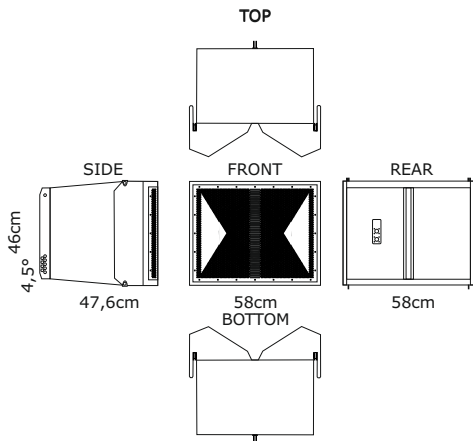
SB17 is an extension module for low-frequency reinforcement of line array ST17. It is ideal for creating a vertical arrays systems with a ratio of one sub with two or three ST17. SB17 can be used as main system in the wider range of professional audio application. The minimum configuration of this system is of two, while increasing the range eight or more speakers are recommended.

Data Sheet

Frequency Response	±3 dB 40 Hz ~ 150 Hz -10 dB 35 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	98 dB 126 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES) Peak Power	700 W 2800 W
Nominal Dispersion (@ -6 dB)	Omni for single element (H - V)
Dimensions mm (±1 mm) (H x W x D)	460 x 580 x 476 with Hardware
Weight	25 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 3+3 Point Mounting Suspension
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Flight Case for 2 SB17



ARRAY SYSTEMS | INSTALL | TOURING

HDA24

HIGH DEFINITION LINE ARRAY SYSTEM



- Dual 8" LF Neodymium in Vented Enclosure
- 1,4" Titanium Driver (3" VC) on Wave Guide
- Fly Mounting Hardware Included
- Powering Mode: 2-Way with external Digital Processor and External Amplifier
- On request Full Range with Passive Crossover
- For Touring or Fixed Installation

Product Information

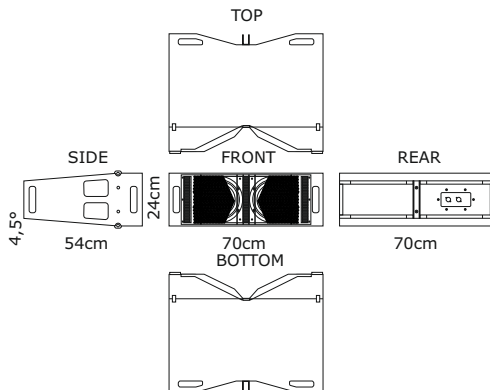
2-WAY loudspeaker system provides higher output, lower distortion sound reinforcement for the entire range of pro audio application. The 200 mm (8") low frequency cone with 51 mm (2") voice coil with Neodymium magnet and 75 mm (3") voice coil high frequency compression driver provides higher output and low distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. HDA24 is designed specifically for vertical curvilinear array.

Data Sheet

Frequency Response	±3 dB 50 Hz ~ 18 KHz -10 dB 45 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	LF 96 dB HF 103 dB 123 dB 123 dB
Nominal Input Impedance (Ω)	LF 16 Ω HF 16 Ω
Power Handling (Watts Cont. AES) Peak Power	LF 600 W HF 100 W LF 2400 W HF 400W
Nominal Dispersion (@ -6 dB)	120° (H) x 9° (V)
Dimensions mm (±1 mm) (H x W x D)	240 x 700 x 540 with Hardware
Weight	23 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: Fly Mounting Point Included
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Flight Case for 4 HDA24, Skate & Bag,



ARRAY SYSTEMS | INSTALL | TOURING

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AR208

VERTICAL LINE ARRAY SYSTEM

LINE SOURCE

POINT SOURCE

SUBWOOFER

MULTIFUNCTION

STAGE MONITORS

SELF POWERED

ARCHITECTURAL

STUDIO SERIES

AMPLIFIERS

DSP

ACCESSORIES



- Dual 8" LF Neodymium in Vented Enclosure
- 1,75" Polyimide Driver on Wave Guide
- Fly Mounting Included
- Powering Mode: Full Range or Bi-Amp (with Internal Passive Crossover)
- For Touring or Fixed Installation

Product Information

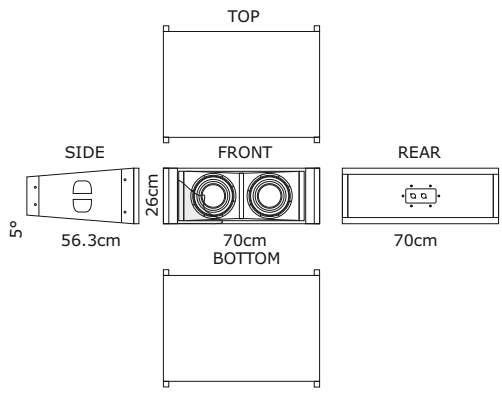
2-WAY loudspeaker system provides high output, low distortion sound reinforcement for the entire range of pro audio application. The 200 mm (8") low frequency cone with 51 mm (2") voice coil with Neodymium magnet and 44 mm (1.75") voice coil high frequency compression driver provides higher output and low distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. AR208 is designed specifically for vertical curvilinear array.

Data Sheet

Frequency Response	±5 dB 75 Hz ~ 18 KHz -10 dB 42 Hz
Sensitivity (1 Watt @ 1 m)	100 dB
Max SPL Calculated	128 dB
Nominal Input Impedance (Ω)	16 Ω
Power Handling (Watts Cont. AES)	620 W
Peak Power	2480 W
Nominal Dispersion (@ -6 dB)	120° (H) x 9° (V)
Dimensions mm (±1 mm) (H x W x D)	260 x 700 x 500 with Hardware
Weight	23 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 4+4 Point Mounting Suspension
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Flight Case for 4 AR208, Skate & Bag



ARRAY SYSTEMS | INSTALL | TOURING



LSS ADVANCED SPEAKER SYSTEMS

AR210

VERTICAL LINE ARRAY SYSTEM



- Dual 10" LF Neodymium in Vented Enclosure
- 1,4" Titanium Driver (3" VC) on Wave Guide
- Fly Mounting Included
- Powering Mode: Bi-Amp (with External Digital Crossover and External Amplifier)
- For Touring or Fixed Installation

Product Information

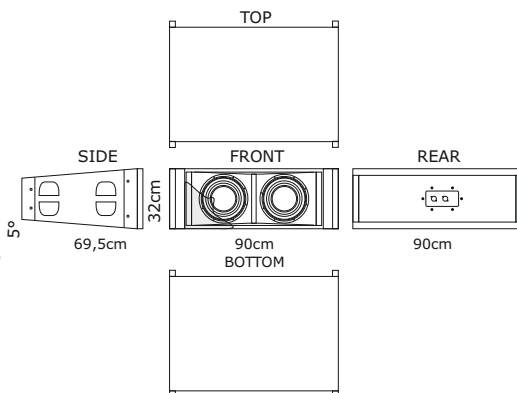
2-WAY loudspeaker system provides high output, low distortion sound reinforcement for the entire range of pro audio application. The 250 mm (10") low frequency cone with 75 mm (3") voice coil with Neodymium magnet and 75 mm (3") voice coil high frequency compression driver provides higher output and low distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. AR210 is designed specifically for vertical curvilinear array.

Data Sheet

Frequency Response	±3 dB 65 Hz ~ 18 KHz -10 dB 50 Hz	
Sensitivity (1 Watt @ 1 m)	LF 98 dB	HF 103 dB
Max SPL Calculated	127 dB	126 dB
Nominal Input Impedance (Ω)	LF 16 Ω HF 16 Ω	
Power Handling (Watts Cont. AES)	LF 800 W	HF 200 W
Peak Power	LF 3200 W	HF 800 W
Nominal Dispersion (@ -6 dB)	120° (H) x 9° (V)	
Dimensions mm (±1 mm) (H x W x D)	320 x 900 x 695 with Hardware	
Weight	32 Kg	

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 4+4 Point Mounting Suspension
- Grille: Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Flight Case for 2 AR210, Skate & Bag



ARRAY SYSTEMS | INSTALL | TOURING

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- 15" LF in Vented Enclosure
- 1,4" Titanium Driver (3" VC) on Wave Guide
- Precise Wave Guide Coverage Pattern
- Powering Mode: (P-model) Passive 2-Way
(A-model) Bi-Amp with Digital Amplifier, DSP Controller
- For Touring or Fixed Installation

Product Information

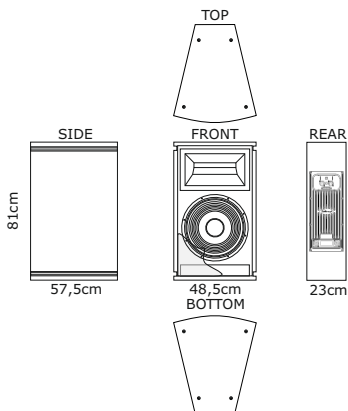
SF15 is designed specifically for curvilinear Horizontal or Vertical array systems. The precise, modular 26° Horizontal directivity and 60° Vertical coverage allows for cost-effective coverage. The 380 mm (15") LF with 75 mm (3") voice coil with Neodymium magnet and 75 mm (3") voice coil HF compression driver provides higher output and lower distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. SF15 is ideal for touring applications as a complementary 2-Way, fill enclosure or Side Fill Monitoring, Stereo Front Fill, Off Stage Fill or Delay System application. The SF15A's digital amplifier with DSP controller allows the pilotage in Bi-Amp mode of the system. It is possible to choose within 4 different preset stored by default.

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: Hardware Mounting Suspension
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Neutrik Powercon + XLR
- Optional Accessories: Fly Clip with Ring, Flight Case, Bumper, Hardware Array

Data Sheet

Frequency Response	±5 dB 50 Hz ~ 18 KHz -10 dB 40 Hz	
Sensitivity (1 Watt @ 1 m)	Bi-Amp	LF 99 dB HF 106 dB
	Passive	LF 99 dB HF 106 dB
Max SPL Calculated	Bi-Amp	LF 127 dB HF 129 dB
	Passive	LF 126 dB HF 126 dB
Nominal Input Impedance (Ω)	Active	LF 4Ω HF 16 Ω
	Passive	LF 8Ω HF 16 Ω
Power Handling (EIAJ)	Bi-Amp	LF 750W HF 200W
Power Handling (AES)	Passive	LF 500W HF 110W
Peak Power	Passive	LF 2000W HF 440W
Nominal Dispersion (@ -6 dB)	26° (H) x 60° (V) Asymmetrical	
Dimensions mm (±1 mm) (H x W x D)	810 x 485 x 575 with Hardware	
Weight	Active 41Kg Passive 38 Kg	



ARRAY SYSTEMS | INSTALL | TOURING

PP4-10

COLUMNAR MINI ARRAY SYSTEM



- 10 X 4" Full Range Neodymium Driver
- High Quality System for Musicians for Live Music
- Low Distortion, Maximum Intelligibility
- Museum & Exhibition especially for Reverberate Halls
- Custom Color Available
- Flexible Mounting Options for Easy Installation Included
- Powering Mode: Full-Range Passive
- For Portable or Permanent Installation

Product Information

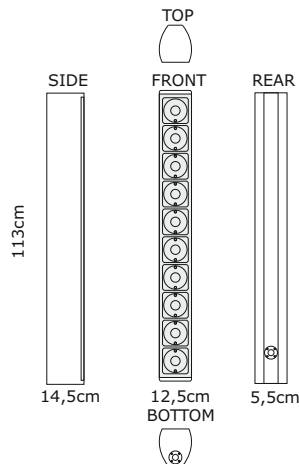
PP4-10 is ideal for live music. The cabinet with comprehensive hardware permits easy installation. PP4-10 is ideal for sound reinforcement in A/V events, paging and background music. The small dimensions of system permit the portable use. PP4-10 uses 10 full-range speakers of 100 mm (4") with Neodymium magnet and 25 mm (1") voice coil weather-resistant cone. The total nominal impedance is 6 Ω . The cabinet is sealed enclosure of Birch Plywood of 14 mm and 6 mm curved on side. Despite the ultra-low size PP4-10 surprises in the natural timbre sound.

Data Sheet

Frequency Response	± 5 dB 120 Hz ~ 18 KHz -10 dB 100 Hz
Sensitivity (1 Watt @ 1 m)	99.5 dB
Max SPL Calculated	126 dB
Nominal Input Impedance (Ω)	6 Ω
Power Handling (Watts Cont. AES)	500 W
Peak Power	2000 W
Nominal Dispersion (@ -6 dB)	80° (H) x 20° (V)
Dimensions mm (± 1 mm) (H x W x D)	1.130 x 125 x 144
Weight	9.5 Kg

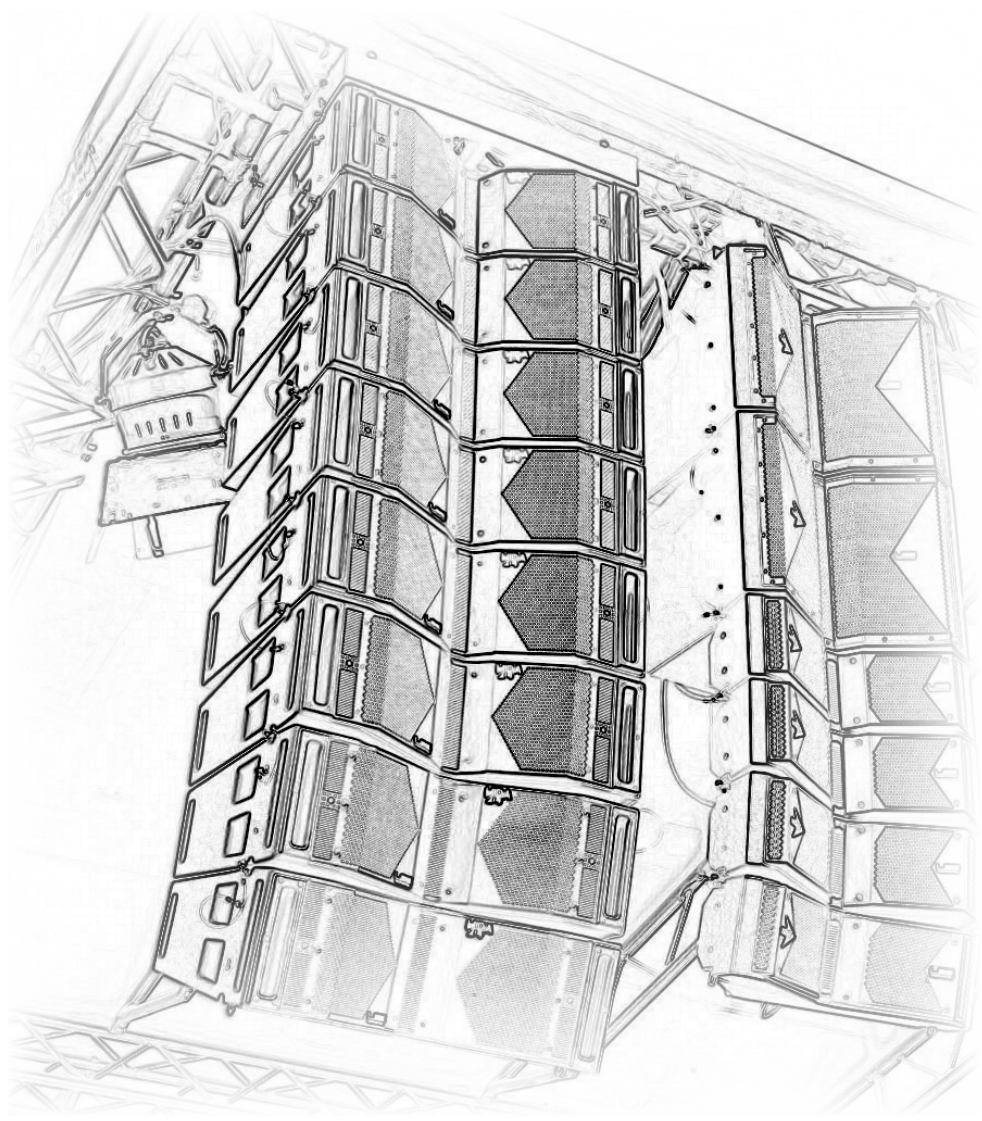
Enclosure Material

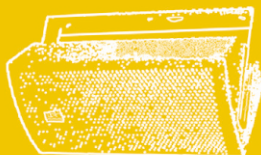
- Enclosure Material: Birch Plywood of 14 mm and 6 mm on Side
- Finish: Texture Polyurethane Black Paint
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 1 Neutrik NL4 Speakon
- Optional Accessories: Speaker Bag, Wall-Mount & Pole-Mount Hardware



INSTALL | EVENTS | PORTABLE

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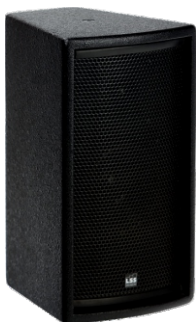


POINT SOURCE

Professional loudspeaker systems for live music, ideally the biggest concert
and all permanent installations indoor and outdoor
Compact and versatile passive loudspeakers for great
performance ideal to small main system for Clubs, Musicians and DJs

SP110

COMPACT 2-WAY LOUDSPEAKER SYSTEM



- 4" LF in Vented Enclosure
- 1,1" Silk Soft Dome Tweeter
- Fly Mounting Points and U bracketed Included
- Powering Mode: Full Range Passive
- For Permanent Installation

Product Information

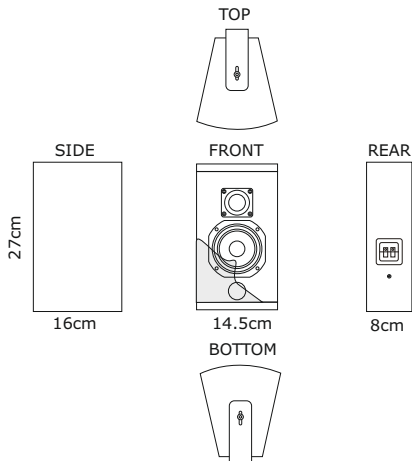
2-WAY loudspeaker system is the first small enclosure to the SP Series. This speaker is able to reproduce Hi-Fi like professional sound. The bass reflex trapezoidal cabinet houses one 100 mm (4") mid-woofer and one 28 mm (1.1") silk soft dome tweeter. This loudspeaker is designed to work in full range mode or to be supported by the PULCE-W subwoofer below 100 Hz.

Data Sheet

Frequency Response	± 5dB 80 Hz to 20 KHz -10 dB 65 Hz
Sensitivity (1 Watt @ 1 m)	90 dB
Max SPL Calculated	107 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	50 W
Peak Power	200 W
Nominal Dispersion (@ -6 dB)	90° (H) x 100° (V)
Dimensions mm (±1 mm) (H x W x D)	270 x 150 x 170
Weight	2,3 Kg

Enclosure Material

- Enclosure Material: MDF of 14 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 3 Point Mounting Suspension M6 and U bracket System Included
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Black and Red Clamps
- Optional Accessories: Flight Clip with Ring



INSTALL | EVENTS

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- 6" LF in Vented Enclosure
- 1" Compression driver with Conical Horn
- Fly Mounting Points alncluded
- Powering Mode: Full Range Passive
- For Permanent Installation

Product Information

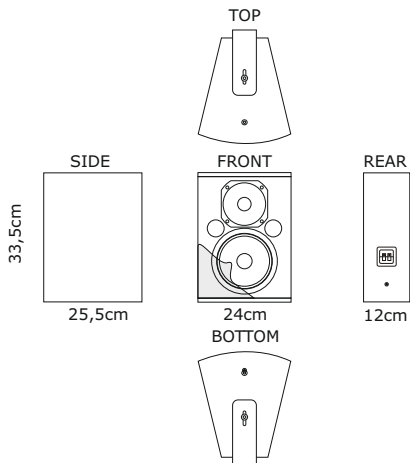
2-WAY loudspeaker system uses one 160 mm (6") mid-woofer with 38 mm (1.5") voice coil and one 26 mm (1") driver on conical horn. SP216 is ideal for medium and smaller Clubs, Dance floors. The cabinet offers built-in flying points for both horizontal and vertical mounting. The trapezoidal cabinet allows flexible fixing in low ceiling venues or easy construction of clusters and arrays. The system provides high output, low distortion sound reinforcement. The internal passive crossover of 12dB/Octave and Poliswitch protection offers better performance in and permanently installed applications.

Data Sheet

Frequency Response	±5 dB 70 Hz ~ 20 KHz -10 dB 60 Hz
Sensitivity (1 Watt @ 1 m)	92 dB
Max SPL Calculated	112 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	100 W
Peak Power	400 W
Nominal Dispersion (@ -6 dB)	80° (H) x 80° (V)
Dimensions mm (±1 mm) (H x W x D)	335 x 240 x 255
Weight	6,5 Kg

Enclosure Material

- Enclosure Material: MDF of 12 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 3 Point Mounting Suspension M6 and U Bracket System Included
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Black and Red Clamps
- Optional Accessories: Fly Clip with Ring



INSTALL | EVENTS | PORTABLE

SP320

COMPACT 2-WAY LOUSPEAKER SYSTEM



- 8" LF Vented Enclosure
- 1" Compression driver with Conical Horn
- Fly Mounting Points, Pole mount Cup and U Bracket Included
- Powering Mode: Full Range Passive
- For Touring or Permanent Installation

Product Information

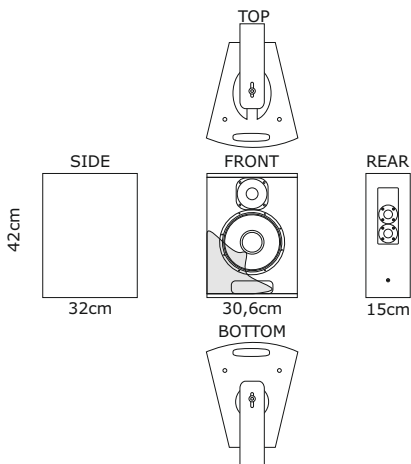
2-WAY loudspeaker designed as a dedicated top-box. it should be supported by PSUB1 or DG118 sub woofer below 100Hz. It houses 200 mm (8") Ferrite mid-woofer and 26 mm (1") Mylar driver on Conical horn. SP320 is ideal for medium and smaller clubs, dance-floors. The cabinet offers built-in flying point for both horizontal and vertical mounting. The trapezoidal cabinet allows flexible fixing and easy construction of clusters and arrays. LSS's advanced crossover includes professional protection of HF.

Data Sheet

Frequency Response	±5 dB 60 Hz ~ 20 KHz -10 dB 50 Hz
Sensitivity (1 Watt @ 1 m)	94 dB
Max SPL Calculated	118 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	300 W
Peak Power	1200 W
Nominal Dispersion (@ -6 dB)	80° (H) x 80° (V)
Dimensions mm (±1 mm) (H x W x D)	420 x 306 x 345
Weight	11 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm / MDF of 14 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 8 Point Mounting Suspension and U bracket included
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Neutrik NL4 Speakon
- Optional Accessories: Fly Clip with Ring



INSTALL | EVENTS | PORTABLE

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SP425

COMPACT 2-WAY LOUSPEAKER SYSTEM



- 10" LF in Vented Enclosure
- 1.75" Compression Driver with Rotable Horn
- Fly Mounting Points and Pole mount Cup Included
- Powering Mode: Full Range or Bi-Amp
(with Internal Passive Crossover)
- For Touring or Permanent Installation

Product Information

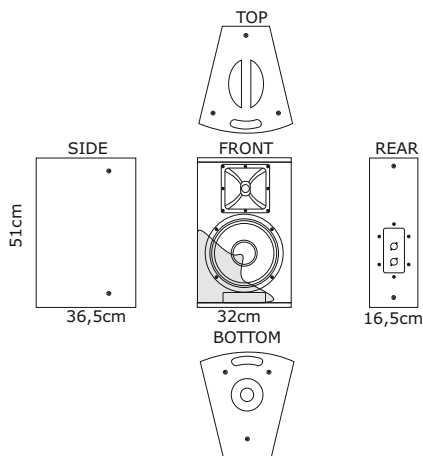
2-WAY loudspeaker system provides high output, low distortion sound reinforcement for the entire range of pro audio application. The 250 mm (10") low frequency cone and 44 mm (1.75") Titanium voice coil high frequency compression driver provides higher output and lower distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. LSS's advanced crossover includes professional protection of HF. The SP425 offers switchable powering mode: full range or Bi-Amp passive operation using the internal crossover filter network.

Data Sheet

Frequency Response	±5 dB 65 Hz ~ 18 KHz -10 dB 45 Hz
Sensitivity (1 Watt @ 1 m)	96 dB
Max SPL Calculated	122 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	400 W
Peak Power	1600 W
Nominal Dispersion (@ -6 dB)	90° (H) x 40° (V)
Dimensions mm (±1 mm) (H x W x D)	510 x 320 x 365
Weight	18 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 12 Point Mounting Suspension M10
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Fly Clip with Ring, Speaker Soft Bag



INSTALL | EVENTS | PORTABLE



LSS ADVANCED SPEAKER SYSTEMS

SP530

COMPACT 2-WAY LOUDSPEAKER SYSTEM



- 12" LF in Vented Enclosure
- 1.75" Compression Driver with Horn
- Fly Mounting Points and Pole mount Cup Included
- Powering Mode: Full Range or Bi-Amp
(with Internal Passive Crossover)
- For Touring or Permanent Installation

Product Information

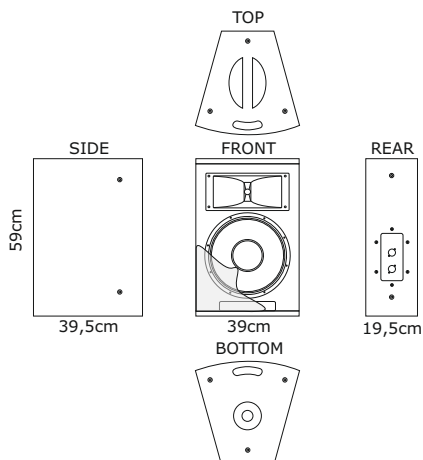
2-WAY loudspeaker system provides high output, low distortion sound reinforcement for the entire range of pro audio application. The 320 mm (12") low frequency cone and 75 mm (3") voice coil and 44 mm (1.75") voice coil high frequency compression driver provide higher output and lower distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. LSS's advanced crossover includes professional protection of HF. The SP530 offers switchable powering mode: full range or Bi-Amp passive operation using the internal crossover filter network.

Data Sheet

Frequency Response	±5 dB 55 Hz ~ 18 KHz -10 dB 45 Hz
Sensitivity (1 Watt @ 1 m)	98 dB
Max SPL Calculated	125 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	500 W
Peak Power	2000 W
Nominal Dispersion (@ -6 dB)	90° (H) x 40° (V)
Dimensions mm (±1 mm) (H x W x D)	590 x 390 x 395
Weight	21 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 12 Point Mounting Suspension M10
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Fly Clip with Ring, Speaker Soft Bag



INSTALL | EVENTS | PORTABLE | TOURING

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SP640

COMPACT 2-WAY LOUSPEAKER SYSTEM



- 15" LF inVented Enclosure
- 1.75" Compression Driver with Rotable Horn HF
- Fly Mounting Points and Pole mount Cup Included
- Powering Mode: Full Range or Bi-Amp
(with Internal Passive Crossover)
- For Touring or Permanent Installation

Product Information

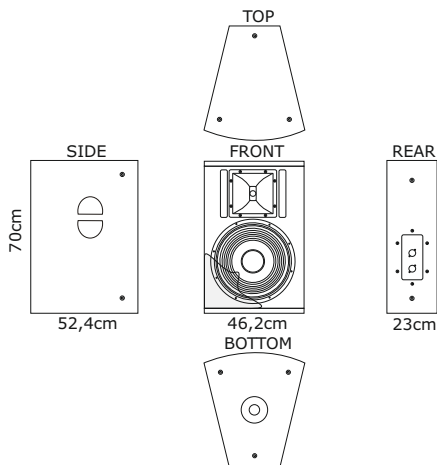
2-WAY loudspeaker system provides high output, low distortion sound reinforcement for the entire range of pro audio application. The 380 mm (15") low frequency cone of Neodymium with 75 mm (3") voice coil and 44 mm (1.75") voice coil high frequency Titanium compression driver provide higher output and lower distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. LSS's advanced crossover includes professional protection of HF. The SP640 offers switchable powering mode: full range or Bi-Amp passive operation using the internal crossover filter network.

Data Sheet

Frequency Response	±5 dB 55 Hz ~ 18 KHz -10 dB 40 Hz
Sensitivity (1 Watt @ 1 m)	98 dB
Max SPL Calculated	125 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	550 W
Peak Power	2200 W
Nominal Dispersion (@ -6 dB)	90° (H) x 40° (V)
Dimensions mm (±1 mm) (H x W x D)	700 x 462 x 524
Weight	28 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 12 Point Mounting Suspension M10
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Fly Clip with Ring



INSTALL | EVENTS | PORTABLE | TOURING



LSS ADVANCED SPEAKER SYSTEMS



- 3" Cone Full Range Driver with 1" Voice Coil Sealed Enclosure
- High-Quality Distributed Systems, Paging and Music, Surround
- Background Music Systems in Restaurants and Clubs
- Audio for Museum & Exhibition Displays
- Custom Color Available
- Flexible Mounting Options for Easy Installation

Product Information

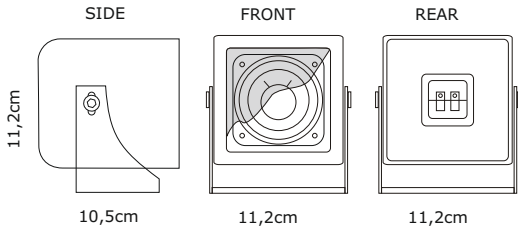
PULCE loudspeaker is extremely compact and wide-range loudspeaker for high quality distributed system applications. PULCE comprises a single 80 mm (3") cone driver with 25 mm (1") voice coil mounted in a sealed enclosure of MDF of 12 mm with U-bracket. It can be ordered custom-painted to match decor and is fitted with a perforated steel grille.

Data Sheet

Frequency Response	±5 dB 120 Hz ~ 18 KHz -10 dB 110 Hz
Sensitivity (1 Watt @ 1 m)	87 dB
Max SPL Calculated	101 dB
Nominal Input Impedance (Ω)	16 Ω
Power Handling (Watts Cont. AES)	30 W
Peak Power	1200 W
Nominal Dispersion (@ -6 dB)	80° (H) x 80° (V)
Dimensions mm (±1 mm) (H x W x D)	105 x 112 x 112
Weight	0,8 Kg

Enclosure Material

- Enclosure Material: MDF of 12 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: U Bracket System
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Black and Red Clamps





- 4" Cone Full Range Driver with 1" Voice Coil Sealed Enclosure
- Wide-Range Frequency Response Loudspeaker
- High-Quality Distributed System, Paging and Music, Surround
- Low Distortion Maximize Intelligibility
- Audio for Museum & Exhibition Displays
- Custom Color Available
- Flexible Mounting Options for Easy Installation

Product Information

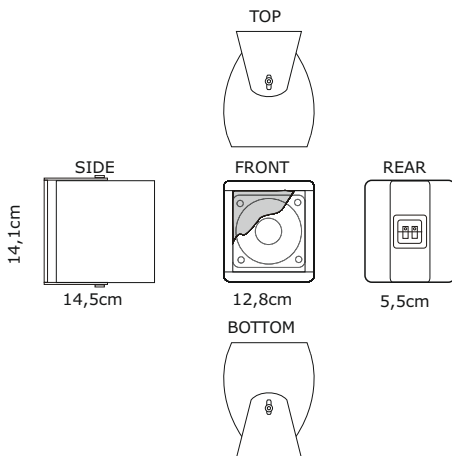
Pp4 loudspeaker is extremely compact and wide-range loudspeaker for high quality distributed system applications. PP4 comprises a single 100 mm (4") water-resistant cone driver with 16 Ω nominal impedance and 25 mm (1") voice coil mounted in a sealed enclosure of Birch Plywood of 14 mm and Plywood of 6 mm curved on sides. PP4 can be mounted using U-Bracket. Despite the ultra-low size 140 mm x 145 mm, it surprises in the natural timbre sound. The cabinet finish can be customized on request.

Data Sheet

Frequency Response	± 5 dB 120 Hz ~ 18 KHz -10 dB 110 Hz
Sensitivity (1 Watt @ 1 m)	90 dB
Max SPL Calculated	108 dB
Nominal Input Impedance (Ω)	16 Ω
Power Handling (Watts Cont. AES)	60 W
Peak Power	240 W
Nominal Dispersion (@ -6 dB)	80° (H) x 80° (V)
Dimensions mm (± 1 mm) (H x W x D)	141 x 128 x 145
Weight	1,5 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 14 mm and 6 mm on sides
- Finish: Texture Polyurethane Black Paint
- Suspension: U Bracket System
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Black and Red Clamps



INSTALL | EVENTS



- Dual 5" LF in Vented Enclosure
- 1" Compression driver with Conical Horn
- Ultra-Compact Passive 2 -Way System
- Trapezoidal Cabinet
- Fly Mounting Points and U Bracket Included
- Powering Mode: Full Range Passive
- For Touring or Permanent Installation

Product Information

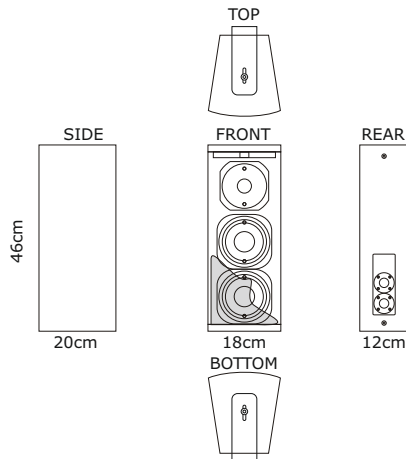
2-WAY full-range loudspeaker system in compact trapezoidal enclosure. It includes dual 130 mm (5") woofers and a 26 mm (1") driver on conical horn. MIL 130 is designed to work in full-range mode. LSS's advanced crossover includes Poliswitch professional protection of HF. MIL 130 is designed for exceptional performance in the near-field from a compact enclosure. Very effective as a fill / delay element in larger overall systems or for foreground / background music reproduction. It is also ideal for distributed system. The comprehensive system mounting points permit safe suspension in permanent installations.

Data Sheet

Frequency Response	±5 dB 70 Hz ~ 20 KHz -10 dB 60 Hz
Sensitivity (1 Watt @ 1 m)	91 dB
Max SPL Calculated	114 dB
Nominal Input Impedance (Ω)	16 Ω
Power Handling (Watts Cont. AES)	200 W
Peak Power	800 W
Nominal Dispersion (@ -6 dB)	80° (H) x 80° (V)
Dimensions mm (±1 mm) (H x W x D)	460 x 180 x 200
Weight	8 Kg

Enclosure Material

- Enclosure Material: Birc Plywood of 12 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 4 Point Mounting Suspension M8 and U Bracket System Included
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories : Fly Clip with Ring, Flight Case on Wheels for 4 or 8 MIL130



INSTALL | EVENTS | PORTABLE



- Arrayable Coaxial Horn System
- 3" HF on Horn 60° x 40° coaxl
- 12" LF on Reflex Horn 60° x 40° coax Enclosure
- Powering Mode: Full-Range Passive
- For Touring or Permanent Installation

Product Information

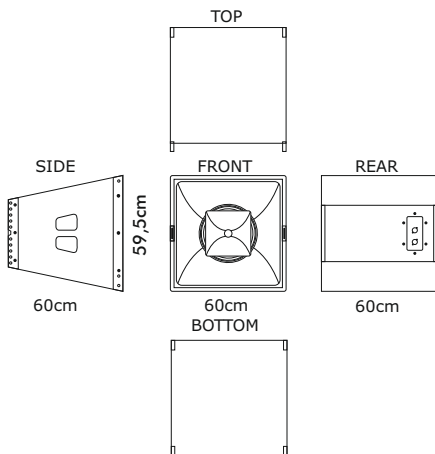
2-WAY Vertical Arrayable Coaxial Horn loudspeaker of high output and low distortion. Ideal for medium to long-throw applications. This system is designed for high performance and very high peak output for concert sound and big event of disco music, also ideal for any permanent install application. The trapezoidal cabinet, constructed with 18 mm birch plywood and coated polyurethane paint, has been thought for Array concept installation and allows inclination steps of 5 degrees thanks to the included hardware. The powering mode is full range passive with input and link of NL4 type connectors.

Data Sheet

Frequency Response	±2.5 dB 90 Hz ~ 20 KHz -10 dB 65 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	Full Range 101 dB Full Range 129 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES) Peak Power	Full Range 700 W 2800 W
Nominal Dispersion (@ -6 dB)	60° (H) x 40° (V)
Dimensions mm (±1 mm) (H x W x D)	595 x 600 x 600
Weight	43 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Fly Hardware Array Concept Included
- Grille: Powder Coated Perforated Steel
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Skate on Wheels, Coupling and Suspension Hardware



ARENA | CONCERT HALL | CLUB | LIVE | TOURING



- 15" LF on Reflex Horn Asymmetrical Enclosure
- 3" Neodymium / Titanium Horn-Loaded Asymmetrical
- Fly Mounting Points and Fly Track Point
- Powering Mode: 2-Way with external Digital-Processor and External Amplifier
- For Touring or Permanent Installation

Product Information

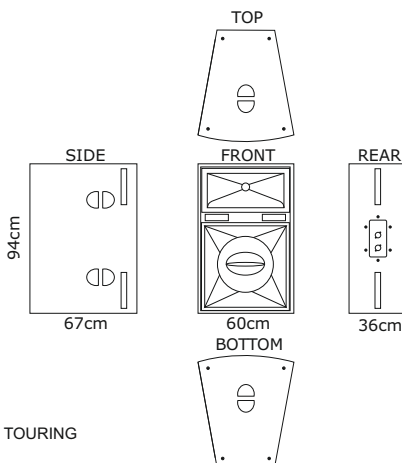
2-WAY loudspeaker system provides high output, low distortion sound reinforcement. TREX is arrayable loudspeaker designed for a wide variety of medium to long-throw applications. The TREX tightly defined coverage pattern allows seamless integration into array clusters which may be tight-packed for long throw or splayed for broader coverage. This system is designed for a wide range of professional applications. High performance and very high peak output for concert sound. The TREX powering mode is only Bi-Amp operation with external digital processor.

Data Sheet

Frequency Response	±5 dB 75 Hz ~ 18 KHz -10 dB 50 Hz	
Sensitivity (1 Watt @ 1 m)	LF 104 dB	HF 106 dB
Max SPL Calculated	131 dB	126 dB
Nominal Input Impedance (Ω)	LF 8 Ω HF 16 Ω	
Power Handling (Watts Cont. AES)	LF 500 W	HF 100 W
Peak Power	LF 2000 W	HF 400 W
Nominal Dispersion (@ -6 dB)	60° (H) x 40° (V) Asymmetrical (5° down)	
Dimensions mm (±1 mm) (H x W x D)	940 x 600 x 700	
Weight	55 Kg	

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 6 Fly Point Mounting Track
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Fly Clip with Ring,



ARENA | CONCERT HALL | STADIUM | CLUB | LIVE | TOURING



Product Information

2-WAY loudspeaker system provides high output, low distortion sound reinforcement for the entire range of pro audio application. The Dual 320 mm (12") low frequency cone with 100 mm (4") voice coil with Neodymium magnet and 75 mm (3") Titanium voice coil with Neodymium high frequency compression driver provides higher output and lower distortion plus enhanced power handling capabilities for better performance in touring applications. LSS's advanced crossover includes professional protection of HF. PSAT1 offers switchable powering mode: full range or Bi-Amp passive operation using the internal crossover filter network.

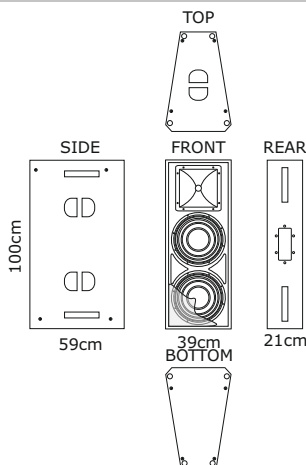
Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 6 Fly Point Mounting Track
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Fly Clip with Ring

- Dual 12" LF Neodymium in Vented Enclosure
- 1,4" Titanium Driver (3" VC) on Rotable Horn
- Fly Mounting Points and Fly Track Point
- Powering Mode: Full Range or Bi-Amp (with Internal Passive Crossover)
- For Touring or Permanent Installation

Data Sheet

Frequency Response	±5 dB 50 Hz ~ 18 KHz -10 dB 45 Hz
Sensitivity (1 Watt @ 1 m)	100 dB
Max SPL Calculated	132 dB
Nominal Input Impedance (Ω)	4 Ω
Power Handling (Watts Cont. AES)	1500 W
Peak Power	6000 W
Nominal Dispersion (@ -6 dB)	90° (H) x 60° (V)
Dimensions mm (±1 mm) (H x W x D)	1000 x 390 x 590
Weight	55 Kg



INSTALL | EVENTS | LIVE | TOURING



- Dual 15" LF Neodumium in Vented Enclosure
- 2" Titanium Driver (3" VC) on Horn
- Fly Mounting Points and Fly Track Point
- Powering Mode: Full Range or Bi-Amp
(with Internal Passive Crossover)
- For Touring or Permanent Installation

Product Information

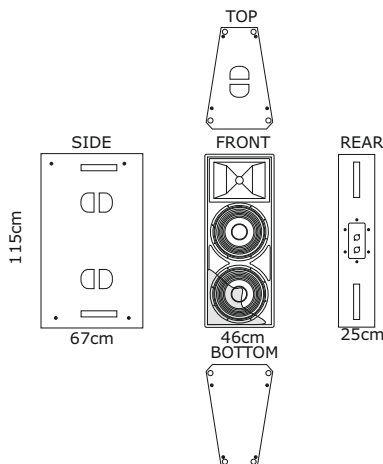
2-WAY loudspeaker system provides high output, low distortion sound reinforcement for the entire range of pro audio application. The Dual 380 mm (15") low frequency cone with 75 mm (3") voice coil with Neodymium magnet and 75 mm (3") Titanium voice coil with Neodymium high frequency compression driver provides higher output and lower distortion plus enhanced power handling capabilities for better performance in touring applications. LSS's advanced crossover includes professional protection of HF. PSAT2 offers switchable powering mode: full range or Bi-Amp passive operation using the internal crossover filter network.

Data Sheet

Frequency Response	±5 dB 45 Hz ~ 18 KHz -10 dB 38 Hz
Sensitivity (1 Watt @ 1 m)	101 dB
Max SPL Calculated	131 dB
Nominal Input Impedance (Ω)	4 Ω
Power Handling (Watts Cont. AES)	1100 W
Peak Power	4400 W
Nominal Dispersion (@ -6 dB)	90° (H) x 40° (V)
Dimensions mm (±1 mm) (H x W x D)	1150 x 460 x 670
Weight	65 Kg

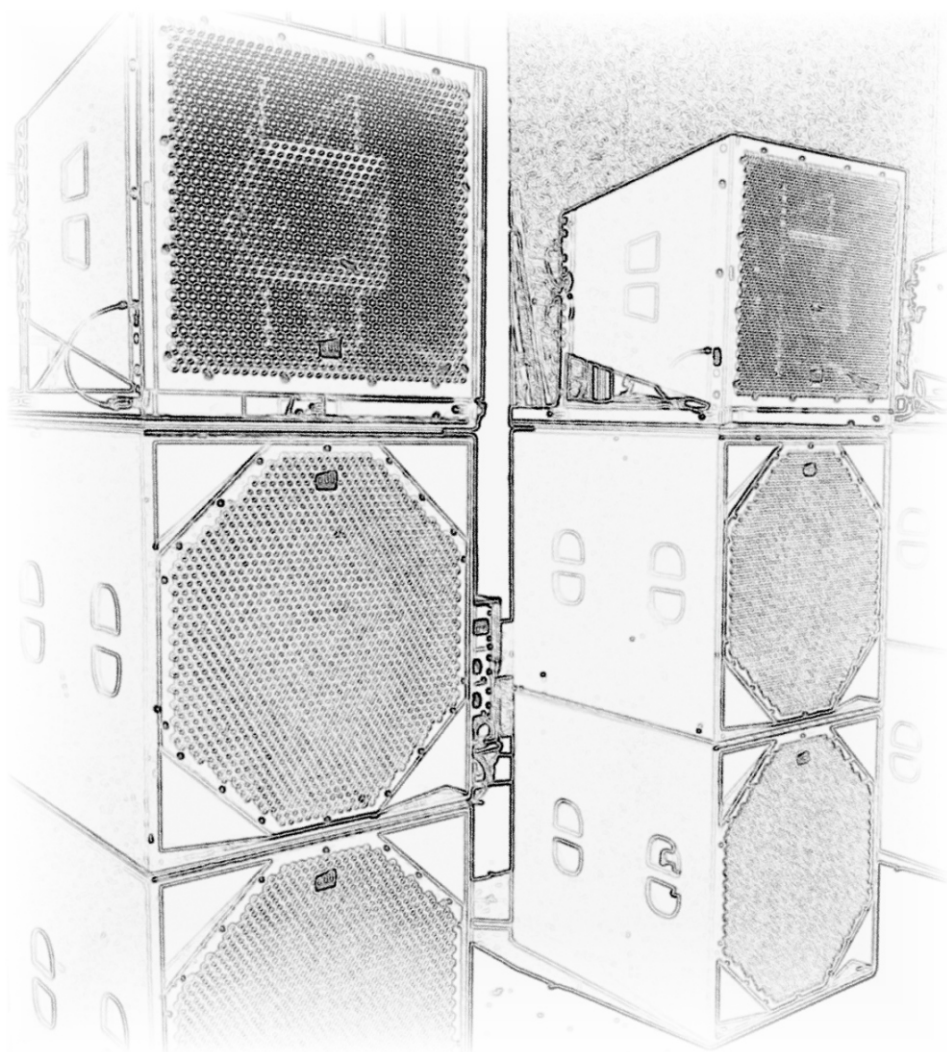
Enclosure Material

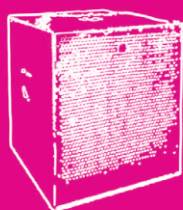
- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 6 Fly Point Mounting Track
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Fly Clip with Ring



INSTALL | EVENTS | LIVE | TOURING

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SUBWOOFER

Systems for low-End Reinforcement Response with High-Impact



- Dual 6" LF in Band Pass Vented Enclosure
- Powering Mode: LF Passive
- For Permanent Installation

Product Information

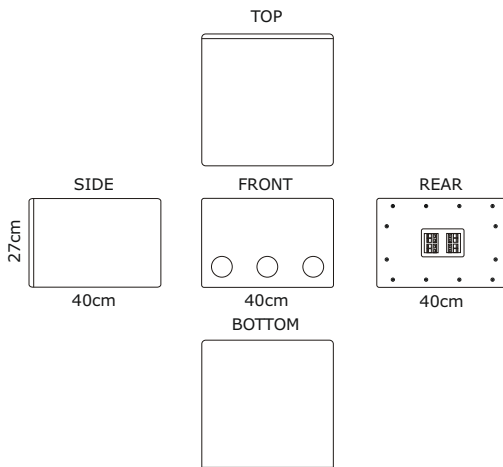
PULCEW is a stereo subwoofer with high output low distortion that provides response in the range 40 - 180 Hz. PULCEW uses dual 160 mm (6") low frequency cone with 38 mm (1.5") voice coil for better performance in permanently installed applications. PULCEW offers passive powering mode, band-pass mechanical filter and the internal crossover network for satellite out. PULCEW performs well with PULCE loudspeakers to form full-range reproduction systems, it is also compatible with other LSS small mid-range loudspeaker. On request can be ordered passive crossover network with system of EQ for satellites.

Data Sheet

Frequency Response	±5 dB 40 Hz ~ 180 Hz -10 dB 30 Hz
Sensitivity (1 Watt @ 1 m)	92 dB
Max SPL Calculated	114 dB
Nominal Input Impedance (Ω)	8+8 Ω
Power Handling (Watts Cont. AES)	80+80 W
Peak Power	320 W+320 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	270 x 400 x 400
Weight	10,4 Kg

Enclosure Material

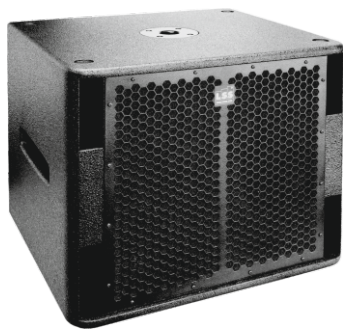
- Enclosure Material: MDF of 12 mm
- Finish: Texture Polyurethane Black Paint
- Connectors: Black and Red Clamps or 2 Neutrik NL4 Speakon



INSTALL | EVENTS | PORTABLE

SUBDRIVE12P

COMPACT REFLEX SUBWOOFER SYSTEM



- 12" Neodymium LF Subwoofer
- High Dynamic Bass Response Subwoofer System for Mini Live PA and any Other Events
- Pole Mount Cup Included
- For Portable Use or Permanent Installation

Product Information

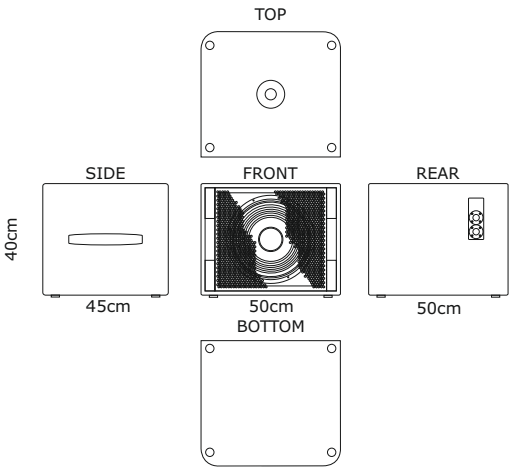
SUBDRIVE12 is a reflex subwoofer that uses a loudspeaker of 320 mm (12") with Neodymium magnet and 100 mm (4") coil. Low distortion and high dynamic distinguish this product. The cabinet is constructed from birch plywood of 15 mm and anti stretch polyurethane finished. SUBDRIVE12 is designed to reinforce the extremely low range frequency of small portable equipment in live music or small installations in disco bar, pub etc. The cabinet extremely compact makes it easily transportable and versatile for portable applications. SUBDRIVE12 surprises for his big punch and high dynamic response at the extreme low frequency.

Data Sheet

Frequency Response	±5 dB 50 Hz ~ 180 Hz -10 dB 40 Hz
Sensitivity (1 Watt @ 1 m)	95 dB
Max SPL Calculated	123 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	700 W
Peak Power	2800 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	400 x 500 x 450
Weight	25 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 1 Pole Mount Cup
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Soft Cover



INSTALL | EVENTS | LIVE | PORTABLE



PSUB1

COMPACT REFLEX SUBWOOFER SYSTEM



- 15" Neodymium LF Subwoofer
- Pole Mount Cup Included
- Powering Mode: Passive with external Digital Processor
- For Portable Use or Permanent Installation

Product Information

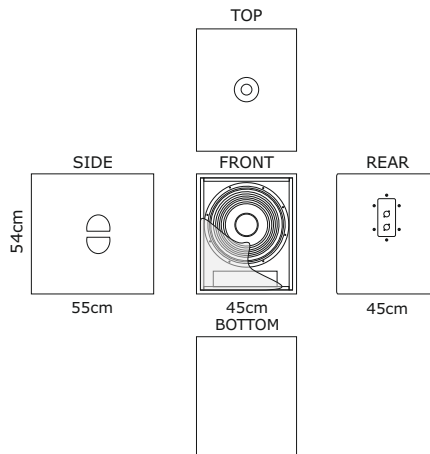
PSUB1 is a reflex subwoofer with high performance, high power handling, low distortion for professional sound reinforcement. The cabinet is constructed of birch plywood of 18 mm reinforced with optimized reflex for low distortion. The woofer used is 380 mm (15") diameter with 100 mm (4") winding copper voice coil, double silicone spider with optimized compliance, ventilated voice coil gap for reduced power compression. Aluminium demodulate ring for very low distortion. The powering mode is passive with external Digital Processor.

Data Sheet

Frequency Response	±5 dB 40 Hz ~ 150 Hz -10 dB 35 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	97 dB 128 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES) Peak Power	1200 W 4800 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	540 x 450 x 550
Weight	35 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: Pole Mount Cup
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon



INSTALL | EVENTS | PORTABLE | TOURING

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- Dual 15" Neodymium LF Subwoofer
- Powering Mode: Passive with external Digital Processor
- For Touring Use or Permanent Installation

Product Information

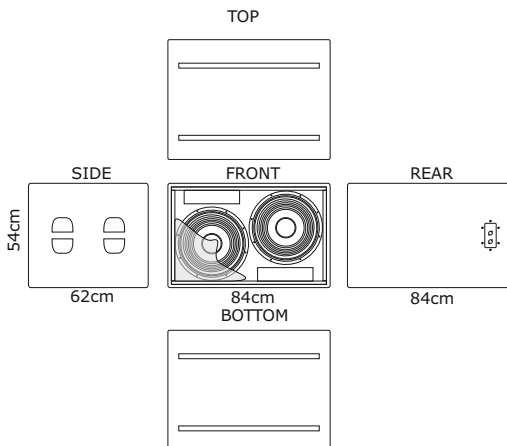
PSUB2 provides high output, low distortion sound reinforcement. PSUB2 is designed for a wide-range of professional application. PSUB2 enclosure uses dual woofers of 380 mm (15") diameter with 100 mm (4") winding copper voice coil, double silicone spider with optimized compliance, ventilated voice coil gap for reduced power compression. Aluminium demodulate ring for very low distortion. High performance and very high peak output for concert sound and disco music. PSUB2 powering mode is only passive amplified operation with external Digital Processor.

Data Sheet

Frequency Response	±5 dB 40 Hz ~ 150 Hz -10 dB 30 Hz
Sensitivity (1 Watt @ 1 m)	101 dB
Max SPL Calculated	135 dB
Nominal Input Impedance (Ω)	4 Ω
Power Handling (Watts Cont. AES)	2400 W
Peak Power	9600 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	540 x 840 x 620
Weight	70 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon



INSTALL | EVENTS | PORTABLE | TOURING

PSUB3

REFLEX SUBWOOFER SYSTEM



- Dual 18" Neodymium LF Subwoofer
- Powering Mode: Passive with external Digital Processor
- For Touring Use or Permanent Installation

Product Information

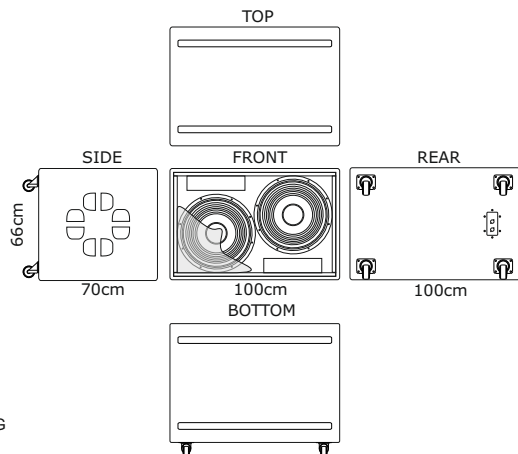
PSUB3 provides high output, low distortion sound reinforcement. PSUB3 is designed for a wide-range of professional application. PSUB3 enclosure uses dual woofers of 460 mm (18") with Neodymium magnet and New Technology Split Winding 100 mm (4") voice coil. High performance and very high peak output for concert sound. PSUB3 powering mode is only passive amplified operation with external Digital Processor.

Data Sheet

Frequency Response	±5 dB 40 Hz ~ 150 Hz -10 dB 30 Hz
Sensitivity (1 Watt @ 1 m)	103 dB
Max SPL Calculated	138 dB
Nominal Input Impedance (Ω)	4 Ω
Power Handling (Watts Cont. AES)	3000 W
Peak Power	12000 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	660 x 1000 x 700
Weight	75 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm, Wheels Included
- Finish: Texture Polyurethane Black Paint
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon



INSTALL | CONCERT HALL | EVENTS | TOURING

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- 18" LF Subwoofer Horn-Loaded
- Powering Mode: Passive with external Digital Processor
- For Touring Use or Permanent Installation

Product Information

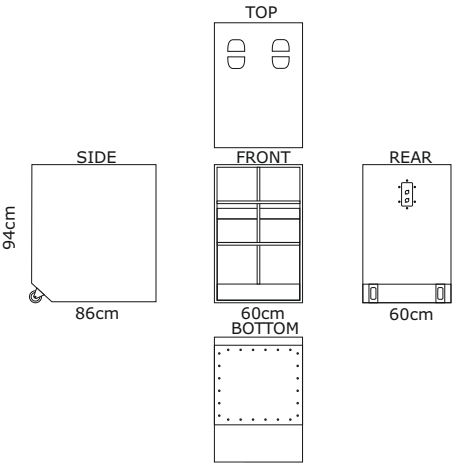
PSUB4 provides high output, low ditortion sound reinforcement. PSUB4 is designed for live sound reinforcement application. High performance and very high peak output for concert sound. PSUB4 powering mode is only passive amplified operation with external Digital Processor. PSUB4 is the ideal product for bass frequency reinforcement of concert touring or club applications. PSUB4 is appropriate in any portable application requiring extremely high output levels of sub bass information.

Data Sheet

Frequency Response	±5 dB 35 Hz ~ 120 Hz -10 dB 31 Hz
Sensitivity (1 Watt @ 1 m)	105 dB
Max SPL Calculated	137 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	1500 W
Peak Power	6000 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	940 x 600 x 860
Weight	75 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm, Wheels Included
- Finish: Texture Polyurethane Black Paint
- Connectors: 2 Neutrik NL4 Speakon



INSTALL | CONCERT HALL | EVENTS | TOURING

SUBTREX

LOW FREQUENCY EXTENSION FOR TREX SYSTEM



- Dual 15" LF in Reflex Enclosure
- Same Cabinet as TREX
- Fly Mounting Points and Fly Track Point
- Powering Mode: Passive with external Digital Processor
- For Touring Use or Permanent Installation

Product Information

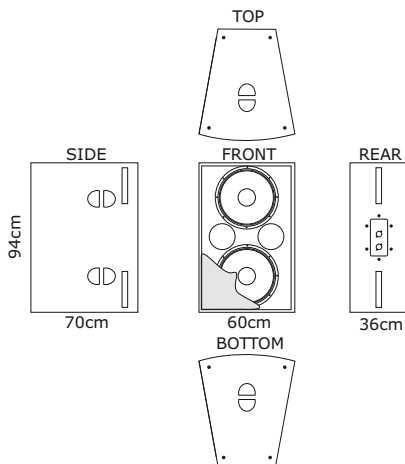
SUBTREX provides high output, low distortion sound reinforcement. SUBTREX is designed for wide-range of professional applications. High performance and very high peak output for concert sound. SUBTREX powering mode is only passive amplified operation with external Digital Processor. SUBTREX is ideal for concert touring applications. The comprehensive system mounting points permit safe suspension in touring installation.

Data Sheet

Frequency Response	±5 dB 45 Hz ~ 180 Hz -10 dB 30 Hz
Sensitivity (1 Watt @ 1 m)	103 dB
Max SPL Calculated	137 dB
Nominal Input Impedance (Ω)	4 Ω
Power Handling (Watts Cont. AES)	2400 W
Peak Power	9600 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	940 x 600 x 700
Weight	41 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 6 Fly Point Mounting Track
- Grille: Powder Coated Perforated Steel
- Connectors: 2 Neutrik NL4 Speakon



INSTALL | CONCERT HALL | EVENTS | TOURING

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- 18" Reflex Subwoofer System
- Pole Mount Cup Included
- Powering Mode: Passive with external Digital Processor
- For Touring Use or Permanent Installation

Product Information

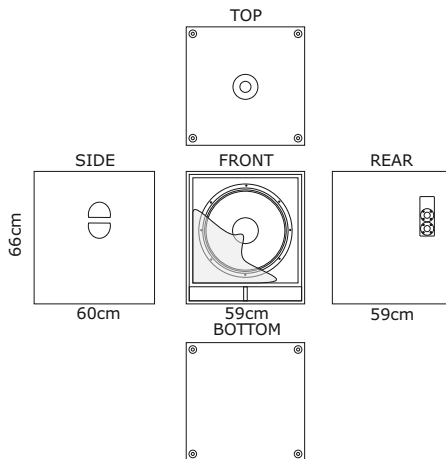
DG118 is a reflex subwoofer for high performance, high power handling, low distortion for professional sound reinforcement. The cabinet is constructed of birch plywood of 15 mm reinforced with optimized reflex for low distortion. The woofer construction is custom of 460 mm (18") of diameter with 100 mm (4") split winding copper voice coil, 57 mm (2") peak-to-peak excursion before damage, double silicone spider with optimized compliance, ventilated voice coil gap for reduced power compression, aluminium demodulating ring for very low distortion. DG118 powering mode is only passive amplified operation with external Digital Processor

Data Sheet

Frequency Response	±5 dB 35 Hz ~ 150 Hz -10 dB 30 Hz
Sensitivity (1 Watt @ 1 m)	97 dB
Max SPL Calculated	129 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	1500 W
Peak Power	6000 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	660 x 590 x 600
Weight	44 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: Pole Mount Cup
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Wheels



INSTALL | CONCERT HALL | EVENTS | TOURING



- 18" Reflex Subwoofer System
- Pole Mount Cup Included
- Powering Mode: Passive with external Digital Processor
- For Touring Use or Permanent Installation

Product Information

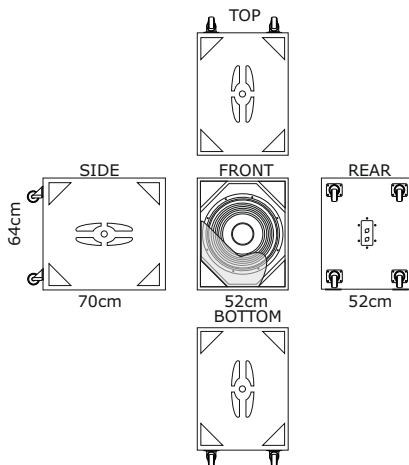
OCTO18 provides high output, low distortion sound reinforcement and is designed for wide-range of professional applications. OCTO18 enclosure uses one woofer of 460 mm (18") very high excursion cone with 100 mm (4") voice coil of New Technology Split Winding and Neodymium magnet structure, 57 mm peak-to-peak excursion before damage, double silicone spider with optimized compliance, ventilated voice coil gap for reduced power compression, aluminium demodulating ring for very low distortion, high performances and very high peak output for concert sound. The woofer is mounted in a reflex box hard and reinforced with 18 mm. OCTO18 powering mode is only passive with external Digital Processor. The cabinet configuration permit the vertical and horizontal positioning.

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon

Data Sheet

Frequency Response	±5 dB 40 Hz ~ 150 Hz -10 dB 30 Hz
Sensitivity (1 Watt @ 1 m)	97 dB
Max SPL Calculated	129 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	1500 W
Peak Power	6000 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	640 x 520 x 700
Weight	52 Kg



INSTALL | CONCERT HALL | STADIUM | TOURING



- 21" Reflex Subwoofer System
- Powering Mode: Passive with external Digital Processor
- For Touring Use or Permanent Installation

Product Information

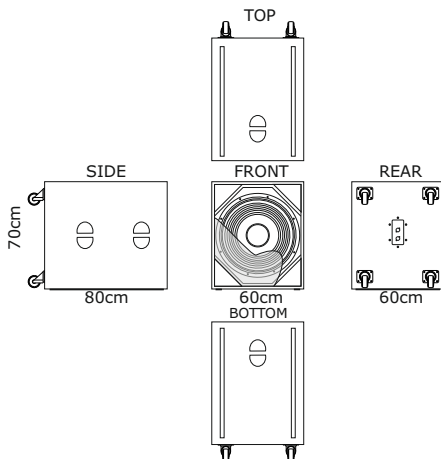
OCTO21 provides high output, low distortion sound reinforcement, it is designed for a wide-range of professional applications and is ideal to reproduce very low frequencies. OCTO21 enclosure uses one woofer of 547 mm (21") very high excursion cone with 150 mm (6") voice coil of New Technology Split Winding, 60 mm peak-to-peak excursion before damage Neodymium magnet allows a very high force factor and linear excursion, Double silicone spider with optimized compliance Ventilated voice coil gap for reduced power compression, Aluminium demodulating ring for very low distortion. The woofer is mounted in a reflex box hard and reinforced with 30 mm front and rear panel. OCTO21 powering mode is only passive amplified operation with external Digital Processor.

Enclosure Material

- Enclosure Material: Birch Plywood of 18/30 mm
- Finish: Texture Polyurethane Black Paint
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon

Data Sheet

Frequency Response	±5 dB 30 Hz ~ 150 Hz -10 dB 25 Hz
Sensitivity (1 Watt @ 1 m)	96 dB
Max SPL Calculated	129 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	2000 W
Peak Power	8000 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	700 x 600 x 800
Weight	70 Kg



INSTALL | CONCERT HALL | STADIUM | TOURING

HPS246

HIGH POWER SUBWOOFER SYSTEM



- Dual 18" LF Subwoofer
- Powering Mode: Passive with external Digital Processor
- For Touring Use or Permanent Installation

Product Information

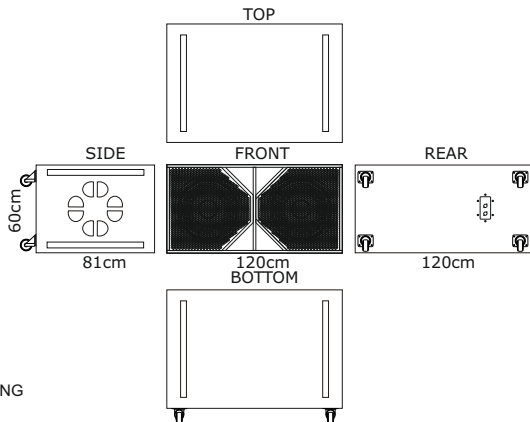
HPS246 provides high output, low distortion sound reinforcement. The cabinet is constructed of birch plywood of 18 mm and each woofer works in its own cabinet with optimized reflex for low distortion. The woofer construction is custom of 460 mm (18") diameter with 115 mm (4.5") split winding copper voice coil, 60 mm (2.4") peak-to-peak excursion before damage, double silicone spider with optimized compliance, ventilated voice coil gap for reduced power compression, aluminium demodulating ring for very low distortion. HPS246 is designed for a wide-range of professional applications. High performances and very high peak output for concert sound. HPS246 powering mode is only passive amplified operation with external Digital Processor.

Data Sheet

Frequency Response	±5 dB 25 Hz ~ 120 Hz -10 dB 20 Hz
Sensitivity (1 Watt @ 1 m)	101 dB
Max SPL Calculated	136 dB
Nominal Input Impedance (Ω)	4 Ω
Power Handling (Watts Cont. AES)	3400 W
Peak Power	13600 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	600 x 1200 x 810
Weight	99 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon



INSTALL | CONCERT HALL | STADIUM | TOURING

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- 18" Reflex Subwoofer System
- Powering Mode: Passive with external Digital Processor
- For Touring Use or Permanent Installation

Product Information

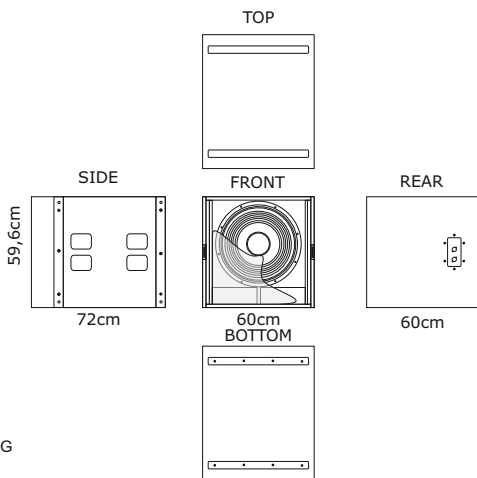
SUB QREX is a subwoofer of QREX SYSTEM, thanks to the same frontal shape it is possible to mount them in stack or fly configuration similar to vertical array system. The configuration of the cabinet is reflex system equipped with one custom subwoofer of 460 mm (18") with 100 mm (4") split winding copper voice coil, 57 mm (2") peak-to-peak. SUBQREX, owing to its linear tuning, produces a controlled low-end that goes down below 35 Hz. Multiple Speakon connection, included in the front panel, allows cardioid operation mode (total of four Speakon sockets – two on the rear and two on the front). In cardioid mode SUBQREX subwoofers achieve a controlled radiation pattern with excellent rear damping. The powering mode is only passive amplified operation with external Digital Processor.

Enclosure Material

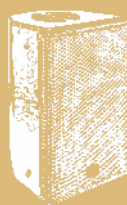
- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 4 Neutrik NL4 Speakon
- Accessories: Skate on Wheels, Coupling and Suspension Hardware

Data Sheet

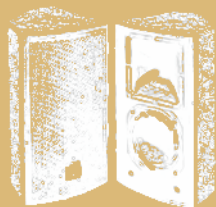
Frequency Response	±5 dB 30 Hz ~ 150 Hz -10 dB 25 Hz
Sensitivity (1 Watt @ 1 m)	96 dB
Max SPL Calculated	129 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	1500 W
Peak Power	6000 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	596 x 600 x 720
Weight	56 Kg



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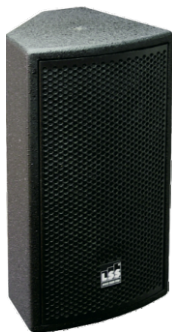


MULTIFUNCTION

Multifunction compact-high power system

SP218

ULTRA COMPACT MULTIFUNCTION SYSTEM



- 6" LF in Vented Enclosure
- 1" Compression driver with Rotable Horn
- Fly Mounting Points, Pole mount Cup and U Bracket Included
- Powering Mode: Full Range Passive
- For Touring or Permanent Installation

Product Information

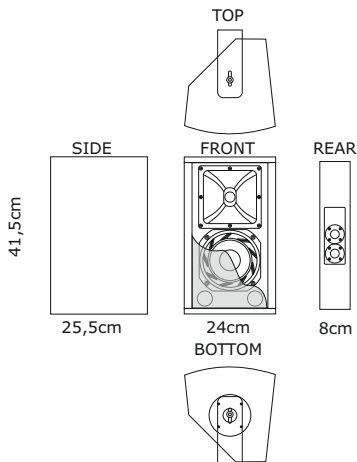
2-WAY loudspeaker system uses one 160 mm (6") mid-woofer with Neodymium magnet and voice coil from 44 mm (1.75") and a driver of 25 mm (1") of Mylar on a rotatable ABS horn. The suspension points included in the cabinet give the possibility of installation both in horizontal and vertical position. The asymmetric trapezoidal profile renders it practical also for uses like small monitor. SP218 can be used to full-range or with subwoofer (ex. SUBDRIVE 12, PSUB1). Passive crossover low tolerance with slope 12dB/18dB and Poliswitch circuit of protection guarantee elevated pressures and the maximum reliability lasting in time.

Data Sheet

Frequency Response	±5 dB 75 Hz ~ 20 KHz -10 dB 50 Hz
Sensitivity (1 Watt @ 1 m)	94 dB
Max SPL Calculated	118 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	250 W
Peak Power	1000 W
Nominal Dispersion (@ -6 dB)	90° (H) x 40° (V)
Dimensions mm (±1 mm) (H x W x D)	415 x 240 x 255
Weight	6 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 2 Point Mounting Suspension M6 and U Bracket System Included
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 MPR Speakon
- Optional Accessories: Speaker Soft Bag, Flight Case



INSTALL | EVENTS | PORTABLE

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Product Information

2-WAY loudspeaker system used as a dedicated top-box or personal mini-monitor and should be supported by subwoofer below 100 Hz. SP220 uses one 200 mm (8") mid-woofer in ferrite with a high excursion voice coil and a driver from 25 mm (1") in Mylar on rotatable horn. SP220 is entirely built of multilayer of phenolic from 15 mm Birch treated. The passive crossover with a low tolerance 12dB slope for the woofer and 18 dB low distortion ensure a reinforced sound and maximum reliability. SP220 is designed to work in full-range.

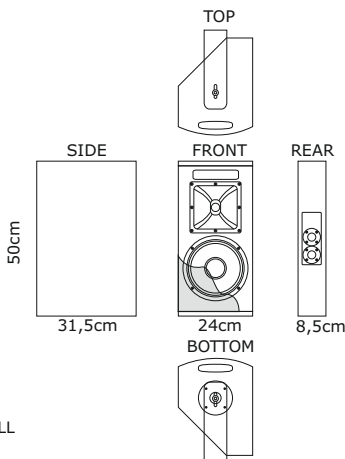
- 8" LF Ferrite Driver in Vented Enclosure
- 1" Compression driver with Rotable Horn
- Fly Mounting Points, Pole mount Cup and U Bracket Included
- Powering Mode: Full Range Passive
- For Touring or Permanent Installation

Data Sheet

Frequency Response	±5 dB 60 Hz ~ 20 KHz -10 dB 40 Hz
Sensitivity (1 Watt @ 1 m)	94 dB
Max SPL Calculated	118 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	300 W
Peak Power	1200 W
Nominal Dispersion (@ -6 dB)	90° (H) x 40° (V)
Dimensions mm (±1 mm) (H x W x D)	500 x 240 x 315
Weight	10 Kg

Enclosure Material

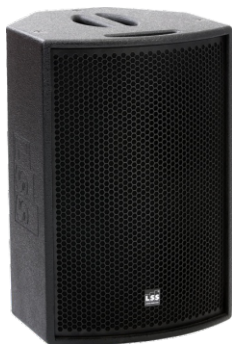
- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 4 Point Mounting Suspension M8 and U Bracket System Included
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Speaker Soft Bag



INSTALL | EVENTS | PORTABLE | MONITOR | FRONTFILL

DG300

COMPACT MULTIFUNCTION SYSTEM



- 12" LF Ferrite Driver in Vented Enclosure
- 1.4" Compression driver with Rotable 1" Horn
- Fly Mounting Points and Pole mount Cup Included
- Powering Mode: Full-Range Passive
- For Touring or Permanent Installation

Product Information

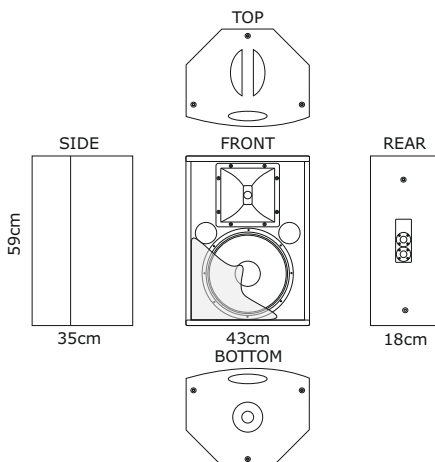
2-WAY loudspeaker system provides high output, low distortion sound reinforcement for the entire range of pro audio application. The 320 mm (12") low frequency woofer and 50 mm (2") voice coil and 36 mm (1.4") voice coil high frequency compression driver on rotatable 1" horn provide higher output and lower distortion plus enhanced power handling capabilities for better performance both in touring or permanent installation. LSS's advanced crossover includes professional protection of HF. Rig it in clusters on a live venue, mount it on speaker stands or even a stage monitor. The possibilities are numerous; integrated handles, lightweight design and sturdy mechanical protection features allow to handle DG300 with ease, wheter you are a touring company, installer or mobile.

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 8 Point Mounting Suspension M10
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Fly Clip with Ring, Speaker Soft Bag

Data Sheet

Frequency Response	±5 dB 65 Hz ~ 18 KHz -10 dB 55 Hz
Sensitivity (1 Watt @ 1 m)	98 dB
Max SPL Calculated	124 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	400 W
Peak Power	1600 W
Nominal Dispersion (@ -6 dB)	90° (H) x 40° (V)
Dimensions mm (±1 mm) (H x W x D)	590 x 430 x 350
Weight	18,5 Kg



INSTALL | EVENTS | PORTABLE | TOURING

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Product Information

2-WAY loudspeaker system uses one 160 mm (6") long excursion woofer with Neodymium magnet and voice coil of 44 mm (1.75"), Polyester 34.4 mm (1.4") Ferrite driver coupled to a rotatable ABS 1" horn. The mounting points included in the cabinet offer the possibility of suspension in any directions. The cabinet beveled on the sides makes it practical for uses as a small monitor or clusters creations. M30.3 can be used in full range mode or with a subwoofer (ex. SUBDRIVE12 that allows pilotage with dedicated setup), other models as PSUB1 are ideal compromise. The passive crossover of low tolerance with slope 12dB / 18dB and the Poliswitch protection circuit ensure high pressures and maximum reliability.

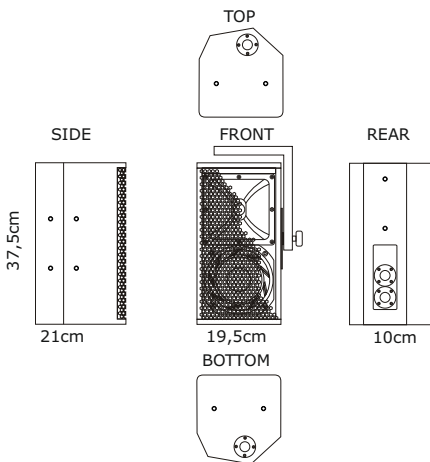
Enclosure Material

- Enclosure Material: Birch Plywood of 12 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 6 Point Mounting Suspension
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 4 Neutrik NL4 Speakon
- Optional Accessories: Adjustable Speaker Mount Included, Speaker Soft Bag

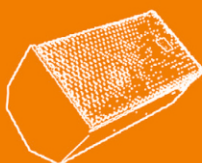
- 6" LF Neodymium Driver with 1.75" Voice Coil in Vented Enclosure
- 1.4" Compression driver with Rotable 1" Horn
- Fly Mounting Points and Brackets Included
- Powering Mode: Full-Range Passive
- For Touring or Permanent Installation

Data Sheet

Frequency Response	±5 dB 80 Hz ~ 20 KHz -10 dB 65 Hz
Sensitivity (1 Watt @ 1 m)	93 dB
Max SPL Calculated	117 dB
Nominal Input Impedance (Ω)	16 Ω (on request 8 Ω)
Power Handling (Watts Cont. AES)	250 W
Peak Power	1000 W
Nominal Dispersion (@ -6 dB)	90° (H) x 40° (V)
Dimensions mm (±1 mm) (H x W x D)	375 x 195 x 210
Weight	8,5 Kg



INSTALL | EVENTS | PORTABLE | MONITOR





STAGE MONITOR

From small to large format, with high performance for live music
without compromise



- 12" Coax Neodymium Transducer in Vented Enclosure
- Modified exponential rotatable horn with controlled coverage
- Flying Mounting Points and Pole Mount Cup Included
- Powering Mode: Full-Range Passive
- For Portable Use or Permanent Installation

Product Information

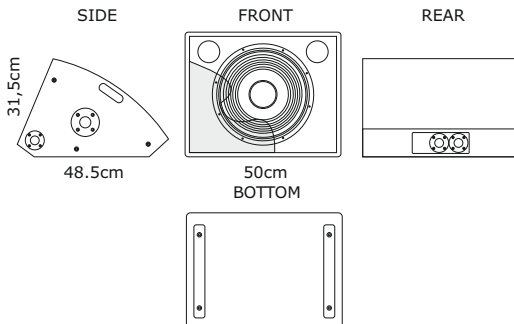
2-WAY loudspeaker is ideal for stage monitor applications high output vocal presence and neutral balanced sound. The 300 mm (12") low frequency cone with 75 mm (3") voice coil with Neodymium magnet and 72 mm (2.8") voice coil high frequency compression driver provide higher output and lower distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. LSS's advanced crossover includes professional protection of HF. Powering mode full range passive. WM2 is designed to support the widest possible range of pro audio applications. The pole mount cup provide front or side fill for touring applications.

Data Sheet

Frequency Response	±5 dB 65 Hz ~ 18 kHz -10 dB 50 Hz
Sensitivity (1 Watt @ 1 m)	98 dB
Max SPL Calculated	126 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	600 W
Peak Power	2400 W
Nominal Dispersion (@ -6 dB)	60°(V) x 40°(H) Rotable Horn
Dimensions mm (±1 mm) (H x W x D)	315 x 500 x 485
Weight	16,5 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 6 Point Mounting Suspension
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 4 Neutrik NL4 Speakon
- Optional Accessories: Fly Clip with Ring, Flight Case for 2 WM2



INSTALL | EVENTS | PORTABLE | TOURING



- 15" Coax Neodymium Transducer in Vented Enclosure
- Modified exponential rotatable horn with controlled coverage
- Flying Mounting Points and Pole Mount Cup Included
- Powering Mode: Full-Range Passive
- For Portable Use or Permanent Installation

Product Information

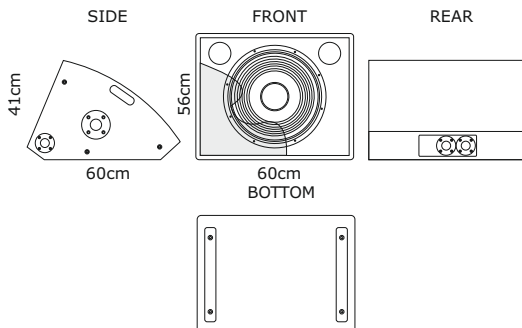
2-WAY loudspeaker system is ideal for stage monitor applications high output vocal presence and neutral balanced sound. The 380 mm (15") low frequency cone with 76 mm (3") voice coil with Neodymium magnet and 75 mm (3") voice coil high frequency compression driver provides higher output and lower distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. LSS's advanced crossover filter includes professional protection of HF. The WM3 offers switchable powering mode: passive operation using the internal crossover filter network or Bi-Amp operation. WM3 is designed to support the widest possible range of pro audio applications. The pole mount cup provide front or side fill for touring applications.

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 6 Point Mounting Suspension
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Fly Clip with Ring, Flight Case for 2 WM3

Data Sheet

Frequency Response	±5 dB 50 Hz ~ 18 kHz -10 dB 40 Hz
Sensitivity (1 Watt @ 1 m)	98 dB
Max SPL Calculated	126 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	600 W
Peak Power	2400 W
Nominal Dispersion (@ -6 dB)	60°(V) x 40°(H) Rotable Horn
Dimensions mm (±1 mm) (H x W x D)	410 x 600 x 600
Weight	23 Kg



INSTALL | EVENTS | PORTABLE | TOURING



- Dual 12" LF Neodumium in Vented Enclosure
- High-frequency section of 3" driver coupled to asymmetrical wave guide
- Stage Monitor for mid-high applications (main vocal, drum or Heyboard)
- Powering Mode: Full Range or Bi-Amp
(with Internal Passive Crossover)
- For Portable Use or Permanent Installation

Product Information

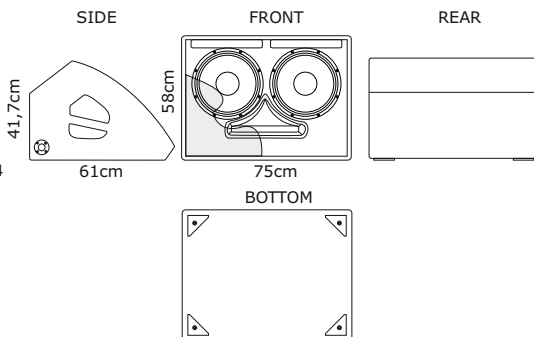
WM4 is a low profile monitor of high performance before feedback. WM4 uses dual 320 mm (12") low frequency cone with 75 mm (3") interveleled voice coil with double silicon demodulation rigs and Neodymium magnet. The high frequency of 75 mm (3") Titanium voice coil and Neodymium magnet on asymmetrical wave guide provides higher output and lower distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. LSS's advanced crossover includes professional protection of HF. The WM4 offers switchable powering mode: full range or Bi-Amp passive operation using the internal crossover filter network. It is ideal for stage monitoring applications, high output vocal presence and neutral balanced sound.

Data Sheet

Frequency Response	±5 dB 60 Hz ~ 18 kHz -10 dB 50 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	98 dB 129 dB
Nominal Input Impedance (Ω)	4 Ω
Power Handling (Watts Cont. AES) Peak Power	1200 W 4800 W
Nominal Dispersion (@ -6 dB)	30°(H) x 60°(V) Asymmetrical
Dimensions mm (±1 mm) (H x W x D)	417 x 750 x 610
Weight	33,8 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon
- Optional Accessories: Flight Case for 2 WM4



INSTALL | EVENTS | PORTABLE | TOURING



- 6.5" Coax Neodymium Transducer in Vented Enclosure
- Driver of Polyester Diagram on Exponential horn
- Powering Mode: Full-Range Passive
- For Portable Use or Permanent Installation

Product Information

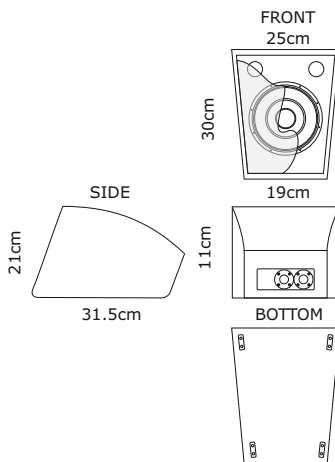
MM1 is the smallest of monitor in LSS. Small sides makes it ideal as a personal monitor in the most different applications. MM1 surprises due to the pressure and the natural timbre it can reproduce. MM1 is easily transportable and extremely lightweight. Due to its extremely low profile and small size, fits easily next to any console. Every DJ, sound engineer, performer or keyboard-player will have a faithful companion to share their best performance

Data Sheet

Frequency Response	±5 dB 80 Hz ~ 18 kHz -10 dB 60 Hz
Sensitivity (1 Watt @ 1 m)	92 dB
Max SPL Calculated	114 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	150 W
Peak Power	600 W
Nominal Dispersion (@ -6 dB)	70°(H) x 70°(V)
Dimensions mm (±1 mm) (H x W x D)	210 x 250 x 315
Weight	4 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 12 mm
- Finish: Texture Polyurethane Black Paint
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 2 Neutrik NL4 Speakon,
- Optional Accessories: Speaker Soft Bag



INSTALL | EVENTS | PORTABLE | TOURING



- 15" Coax Neodymium Transducer in Vented Enclosure
- Modified exponential rotatable horn with controlled coverage
- Fly Mounting Points and Pole Mount Cup Included
- Powering Mode: Bi-Amp (with DSP Controller)
- For Portable Use or Permanent Installation

Product Information

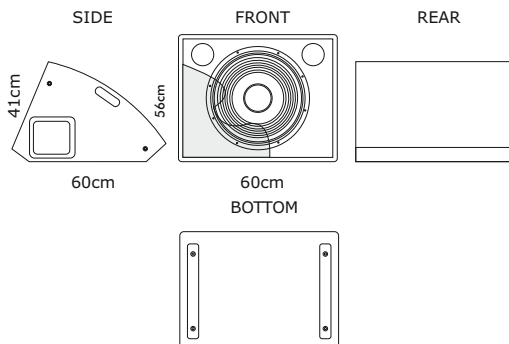
2-WAY loudspeaker system provides high output, low distortion sound reinforcement for the entire range of pro audio application. The 380 mm (15") low frequency cone with 75 mm (3") voice coil and 75mm (3") voice coil high frequency compression driver provides higher output and lower distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. The digital Bi-Amp module allows the pilotage of other passive WM3A system in Bi-Amplified operation. It is ideal for stage monitoring applications high output vocal presence and neutral balanced sound. The pole mount cup provides front or side fill for concert touring applications.

Data Sheet

Frequency Response	±5 dB 50 Hz ~ 18 kHz -10 dB 40 Hz
Sensitivity (1 Watt @ 1 m)	98 dB
Max SPL Calculated	126 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts EIAJ)	600 W
Nominal Dispersion (@ -6 dB)	60°(V) x 40°(H) Rotatable Horn
Dimensions mm (±1 mm) (H x W x D)	410 x 600 x 600
Weight	25 Kg

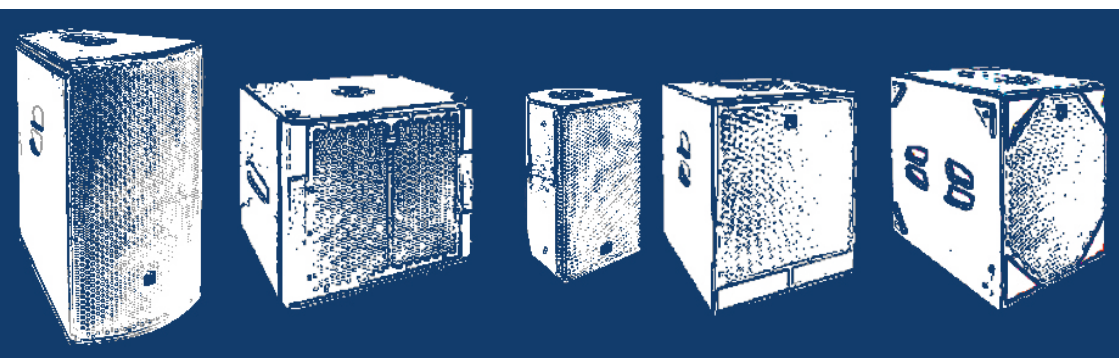
Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 6 Point Mounting Suspension
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Neutrik XLR In & Out and Powercon In & Out
- Optional Accessories: Fly Clip with Ring, Flight Case for 2 WM3A

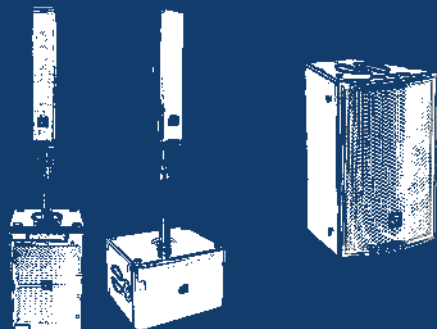


INSTALL | EVENTS | PORTABLE | TOURING





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SELF POWERED

Compact and versatile self powered loudspeakers for great performance ideal to small main system for clubs, live music and Disco



Product Information

Quality innovation and versatility, this is a summary of the new self-powered system developed by LSS for professional sound users. LT60 is a system that uses a subwoofer of 250 mm (10") in reflex configuration with integrated digital module. The module has an active output that controls the satellite with 4 different presets. The subwoofer can be placed in two positions (vertical and horizontal). This allows a very versatile configuration even in not easy areas.

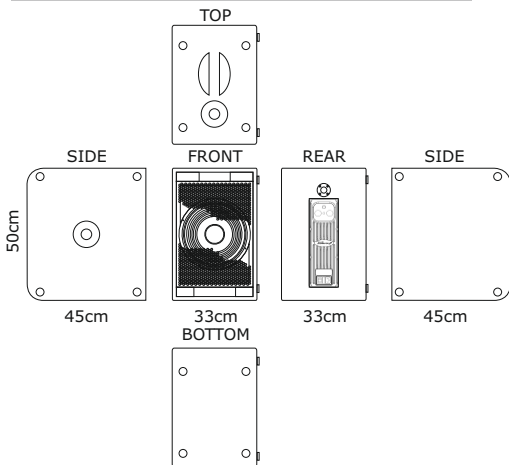
Data Sheet

SUB

Frequency Response	±5 dB 50 Hz ~ 120 Hz -10 dB 35 Hz
Sensitivity (1 Watt @ 1 m)	95 dB
Max SPL Calculated	120 dB
Nominal Input Impedance (Ω)	4 Ω
Power Handling (Watts EIAJ)	350 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	330 x 500 x 450
Weight	21 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: XLR IN & OUT,
Out for Sat Neutrik NL4 Speakon
AC Power: 240V, VDE Connector
- Accessories: 2 Soft Bag for Sub



INSTALL | EVENTS | PORTABLE



Product Information

The satellite is configured as a mini line array with 4 mid-woofers of 100 mm (4") and 26 mm (1") compression driver coupled on waveguide specifically designed for optimal coverage. Impact, natural sound and portability are the strenghts of this system. LT60 is provided with wiring kit, soft cases for the transportation and adjustable rod for easy quick coupling to the sub.

Enclosure Material

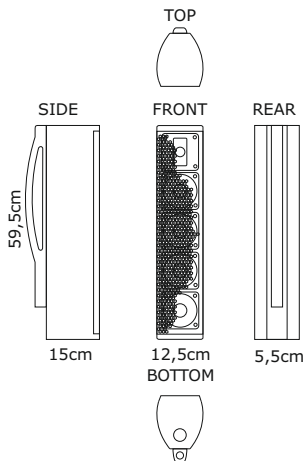
- Enclosure Material: Birch Plywood of 15 mm and 6 mm on sides
- Finish: Texture Polyurethane Black Paint
- Suspension: Pole Mount Cup
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: 1 Neutrik NL4 Speakon
- Accessories: 2 Soft Bag for Satellites and 1 Soft Bag for rods

INSTALL | EVENTS | PORTABLE

Data Sheet

SAT

Frequency Response	±5 dB 135 Hz ~ 20 KHz -5 dB 100 Hz
Sensitivity (1 Watt @ 1 m)	95 dB
Max SPL Calculated	120 dB
Nominal Input Impedance (Ω)	4 Ω
Power Handling (Watts EIAJ)	350 W
Nominal Dispersion (@ -6 dB)	80° (H) x 25° (V)
Dimensions mm (±1 mm) (H x W x D)	595 x 125 x 150
Weight	8 Kg



SP425A

COMPACT 2-WAY SELF POWERED LOUDSPEAKER SYSTEM



- 10" LF in Vented Enclosure
- 1.75" Compression Driver with Rotable Horn
- Fly Mounting Points and Pole mount Cup Included
- Powering Mode: Bi-Amp Active with Digital Amplifier
- For Portable or Permanent Installation

Product Information

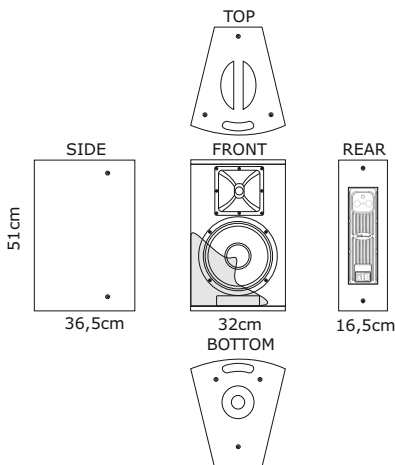
2-WAY loudspeaker system provides high output, low distortion sound reinforcement for the entire range of pro audio application. The 250 mm (10") low frequency cone and 44 mm (1.75") voice coil high frequency compression driver provides higher output and lower distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. The digital amplifier with DSP controller allows the pilotage in Bi-Amp mode.

Data Sheet

Frequency Response	±5 dB 65 Hz ~ 18 KHz -10 dB 45 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	96 dB 122 dB
Nominal Input Impedance (Ω)	4 Ω
Power Handling (Watts EIAJ)	450 W
Nominal Dispersion (@ -6 dB)	90° (H) x 40° (V)
Dimensions mm (±1 mm) (H x W x D)	510 x 320 x 365
Weight	21 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 12 Point Mounting Suspension M10
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: XLR IN & OUT,
AC Power: 240V, VDE Connector
- Optional Accessories: Fly Clip with Ring,
Speaker Soft Bag



INSTALL | EVENTS | PORTABLE

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SF15DC

2-WAY SELF POWERED LOUDSPEAKER SYSTEM



- 15" LF in Vented Enclosure
- 1.4" Titanium Driver (3" VC) on Constant Directivity Rotable Horn
- Powering Mode: Bi-Amp with Digital Amplifier, DSP Controller
- Included Hardware for Easy and Quick Installation
- For Touring or Permanent Installation

Product Information

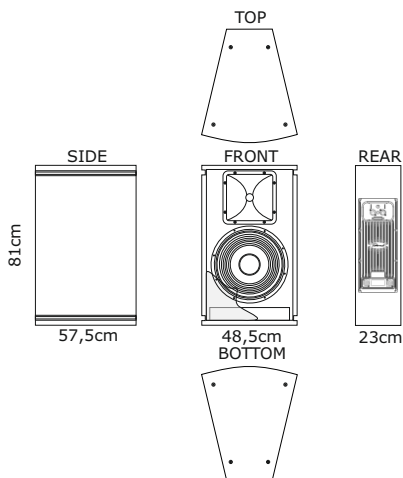
2-WAY loudspeaker system provides high output, low distortion sound reinforcement for the entire range of pro audio application. The 380 mm (15") low frequency cone with 75 mm (3") voice coil with Neodymium magnet and 75 mm (3") voice coil high frequency compression driver provides higher output and lower distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. The digital amplifier with DSP controller allows the pilotage in Bi-Amp mode of the system. It is possible to choice within 4 different preset stored by default.

Data Sheet

Frequency Response	±5 dB 50 Hz ~ 18 KHz -10 dB 40 Hz	
Sensitivity (1 Watt @ 1 m)	LF 99 dB	HF 106 dB
Max SPL Calculated	128 dB	129 dB
Nominal Input Impedance (Ω)	LF 4 Ω HF 16 Ω	
Power Handling (Watts EIAJ)	LF 750 W HF 200 W	
Nominal Dispersion (@ -6 dB)	40° (H) x 60° (V)	
Dimensions mm (±1 mm) (H x W x D)	810 x 485 x 575	
Weight	38 Kg	

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: Hardware Mounting Suspension
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Neutrik Powercon + XLR
- Optional Accessories: Fly Clip with Ring, Flight Case, Bumper, Hardware Array



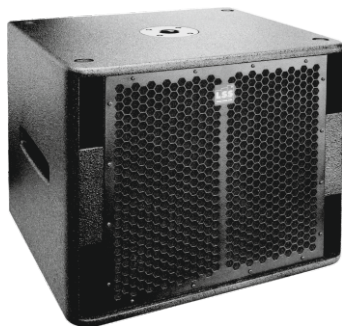
INSTALL | EVENTS | LIVE | PORTABLE



LSS ADVANCED SPEAKER SYSTEMS

SUBDRIVE12A

COMPACT SELF POWERED SUBWOOFER SYSTEM



- 12" Neodymium LF Subwoofer
- High Dynamic Bass Response Subwoofer System for Mini Live PA and any Other Events
- Pole Mount Cup Included
- Powering Mode: Self-Powered with 1500 W Digital Power Module for the SUB and 350 W + 350 W for the satellites with stored four preset
- For Portable Use or Permanent Installation

Product Information

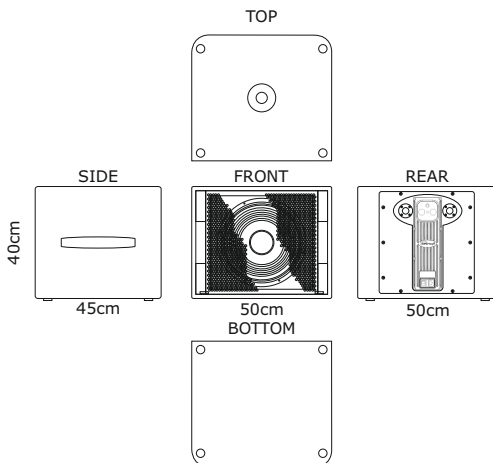
SUBDRIVE12A is a reflex subwoofer that uses a loudspeaker of 320 mm (12") with Neodymium magnet and 100 mm (4") Fiberglass support of coil. Low distortion and high dynamic distinguish this product. The cabinet is constructed from birch plywood of 15 mm anti stretch polyurethane finished. SUBDRIVE12A has a Digital Amplifier and switching power supply from 1500 W for the sub and DSP module integrated and active stereo out for satellites of 350W + 350W. It is possible to choice within 4 different preset stored by default.

Data Sheet

Frequency Response	±5 dB 40 Hz ~ 180 Hz -10 dB 35 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	95 dB 128 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts EIAJ)	1500 W 350 W + 350 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	400 x 500 x 450
Weight	27 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 1 Pole Mount Cup
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Neutrik XLR In & Out + Out for Sat Neutrik NL4 Speakon
- AC Power: 240V, Powercon In & Out
- Optional Accessories: Soft Cover



INSTALL | EVENTS | LIVE | PORTABLE

real source found

OCTO18A

ROTATABLE SELF POWERED REFLEX SUBWOOFER SYSTEM



- 18" Reflex Subwoofer System
- Pole Mount Cup Included
- Powering Mode: Self-Powered with 1500 W Digital Power Module
- For Touring or Permanent Installation

Product Information

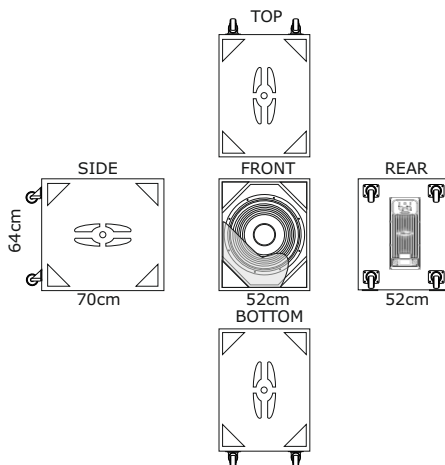
OCTO18A is designed for wide-range of professional applications. OCTO18A enclosure uses one woofer of 460 mm (18") very high excursion cone with 100 mm (4") voice coil of New Technology Dual Split and Neodymium magnet structure. High performance and very high peak output for concert sound. The woofer is mounted in a reflex box hard and reinforced with 18 mm front and rear panel. OCTO18A is the ideal product to be paired with speakers such as SP530, SP640, PSAT1, PSAT2 SF15, ST17, AR208, AR210, HDA24 or similar. The cabinet configuration allows the vertical and horizontal positioning with cup included. The powering mode is Active with Digital Amp module and DSP Controller. It is possible to choose within 4 different preset stored by default.

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Neutrik XLR In & Out + AC Power: 240V, Powercon In & Out

Data Sheet

Frequency Response	±5 dB 40 Hz ~ 150 Hz -10 dB 30 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	97 dB 128 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts EIAJ)	1500 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	640 x 520 x 700
Weight	54 Kg



INSTALL | CONCERT HALL | STADIUM | TOURING

real source found



- 18" Reflex Subwoofer System
- Pole Mount Cup Included
- Powering Mode: Self Powered with 1500 W Digital Power Module
- For Touring or Permanent Installation

Product Information

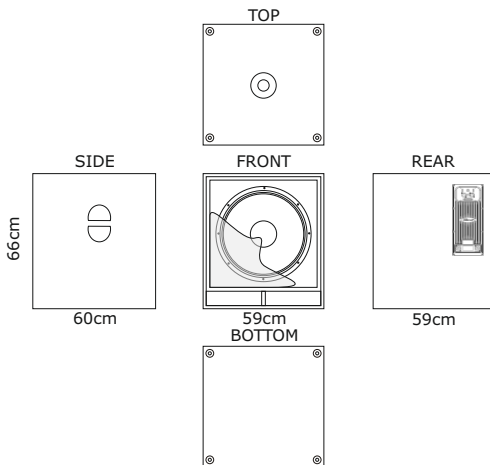
DG118A is a reflex subwoofer with high performance, high power handling, low distortion for professional sound reinforcement. The cabinet is constructed of birch plywood of 15 mm reinforced with optimized reflex for low distortion. The ferrite woofer construction is custom of 460 mm (18") diameter with 100 mm (4") split winding copper voice coil, 57 mm (2") peak-to-peak excursion before damage, double silicone spider with optimized compliance, ventilated voice coil gap for reduced power compression, aluminium demodulating ring for very low distortion. The powering mode is Active with Digital Amp module and DSP Controller. It is possible to choice within 4 different preset stored by default.

Data Sheet

Frequency Response	±5 dB 35 Hz ~ 150 Hz -10 dB 30 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	97 dB 125 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts EIAJ)	700 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	660 x 590 x 600
Weight	46 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: Pole Mount Cup
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Neutrik XLR In & Out + AC Power: 240V, VDE



INSTALL | CONCERT HALL | EVENTS | TOURING

OCTO21A

SELF POWERED REFLEX SUBWOOFER SYSTEM



- 21" Reflex Subwoofer System
- Powering Mode: Self Powered with 2200 W Digital Power Module
- For Touring or Permanent Installation

Product Information

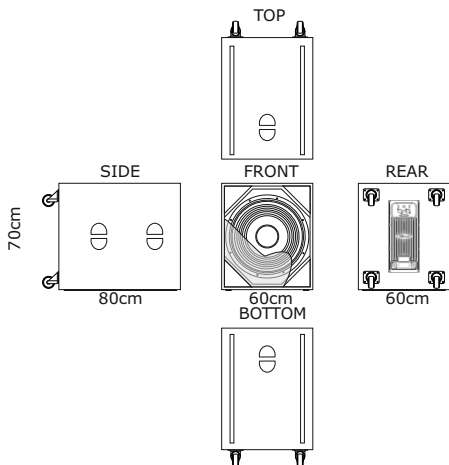
OCTO21A provides high output, low distortion sound reinforcement and is designed for wide-range of professional applications. OCTO21A enclosure uses one woofer of 547 mm (21") very high excursion cone with 150 mm (6") voice coil of New Technology Split Winding and Neodymium magnet structure. High performance and very high peak output for concert sound. High output, bass response and low distortion make the OCTO21A surprising in terms of performance. OCTO21A is the ideal product to be paired with speakers such as SP530, SP640, PSAT1, PSAT2 SF15, ST17, AR208, AR210, HDA24 or similar. OCTO21A powering mode is active with digital Amp module and DSP controller. It is possible to choice within 4 different preset stored by default.

Data Sheet

Frequency Response	±5 dB 30 Hz ~ 120 Hz -10 dB 25 Hz
Sensitivity (1 Watt @ 1 m)	96 dB
Max SPL Calculated	129 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts EIAJ)	2200 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	700 x 600 x 800
Weight	72 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 18/30 mm
- Finish: Texture Polyurethane Black Paint
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Neutrik XLR In & Out +
AC Power: 240V, Powercon In & Out



INSTALL | CONCERT HALL | STADIUM | TOURING

DG300A

2-WAY SELF POWERED LOUDSPEAKER SYSTEM



- 12" LF Ferrite Driver in Vented Enclosure
- 1.4" Compression driver with Rotable 1" Horn
- Fly mounting points and pole mount cup included
- Powering Mode: Bi-Amp with Digital Amplifier 350 W + 95 W
- For Portable use or Permanent installation

Product Information

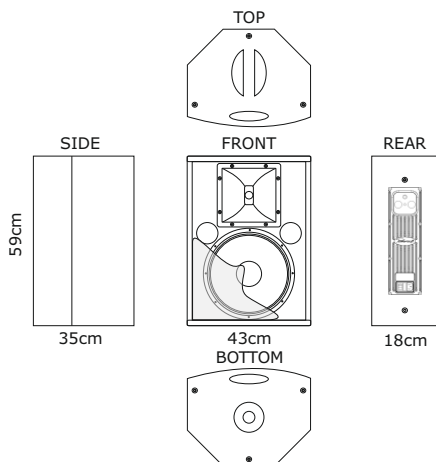
2-WAY loudspeaker system provides high output, low distortion sound reinforcement for the entire range of pro audio application. The 320 mm (12") low frequency woofer and 50 mm (2") voice coil and 36 mm (1.4") voice coil high frequency compression driver on rotatable 1" horn provide higher output and lower distortion plus enhanced power handling capabilities for better performance both in touring or permanent installation. Integrated handles, lightweight design and sturdy mechanical protection features allow to handle DG300 with easy, whether you are a touring company, installer or mobile DJ. The powering mode is Active with Digital Amp module and DSP Controller. It is possible to choose within 4 different presets stored by default.

Data Sheet

Frequency Response	±5 dB 65 Hz ~ 18 KHz -10 dB 60 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	98 dB 125 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts EIAJ)	450 W
Nominal Dispersion (@ -6 dB)	90° (H) x 40° (V)
Dimensions mm (±1 mm) (H x W x D)	590 x 430 x 350
Weight	19 Kg

Enclosure Material

- Enclosure Material: Birch Plywood of 15 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 8 Point Mounting Suspension
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: XLR IN & OUT, AC Power: 240V, VDE Connector
- Optional Accessories: Fly Clip with Ring, Speaker Soft Bag



INSTALL | EVENTS | PORTABLE | TOURING

real source found

SP530A

2-WAY SELF POWERED LOUDSPEAKER SYSTEM



- 12" LF in Vented Enclosure
- 1.75" Compression Driver with Horn
- Fly Mounting Points and Pole mount Cup Included
- Powering Mode: Bi-Amp with Digital Amplifier 750 W + 370 W
- For Portable or Permanent Installation

Product Information

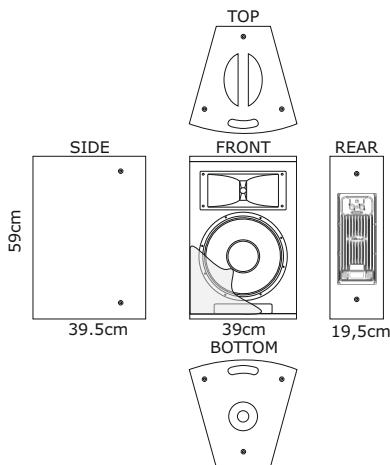
2-WAY loudspeaker system provides high output, low distortion sound reinforcement for the entire range of pro audio application. The 320 mm (12") low frequency cone and 100 mm (4") voice coil and 44 mm (1.75") voice coil high frequency compression driver provides higher output and lower distortion plus enhanced power handling capabilities for better performance in both touring and permanently installed applications. The powering mode is Active with Digital Amp module and DSP Controller. It is possible to choice within 4 different presets stored by default.

Data Sheet

Frequency Response	±5 dB 55 Hz ~ 18 KHz -10 dB 40 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	98 dB 128 dB
Nominal Input Impedance (Ω)	4 Ω
Power Handling (Watts EIAJ)	1100 W
Nominal Dispersion (@ -6 dB)	90° (H) x 40° (V)
Dimensions mm (±1 mm) (H x W x D)	590 x 390 x 395
Weight	22 Kg

Enclosure Material

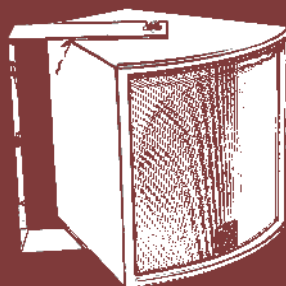
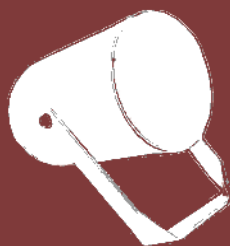
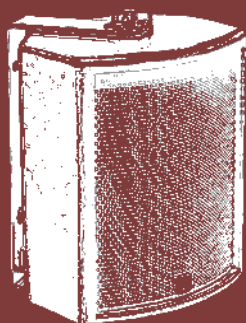
- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: 12 Point Mounting Suspension M10
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Neutrik XLR In & Out + AC Power: 240V, Powercon In & Out
- Optional Accessories: Fly Clip with Ring, Speaker Soft Bag



INSTALL | EVENTS | PORTABLE | TOURING



LSS ADVANCED SPEAKER SYSTEMS



real source found



ARCHITECTURAL

Professional systems for all permanent indoor and outdoor installation.



- 5" Full-Range Loudspeaker
- Exceptional Voice & Music Reproduction
- Transformer with Three Position Powering Mode
- Powering Mode: Full Range Passive
- For permanent Installation

Product Information

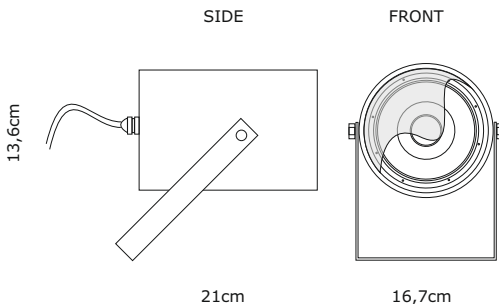
SP805 is a sound projector of Aluminium extruded, water-resistant and resistant at the vandal actions, ideal for the reproduction of the speech and the background music. SP805 uses a loudspeaker from 130 mm (5") double cone with membrane waterproofed to exponential profile with transformer included of 20 W with 3 position of pilotage. Extremely linear response in mid-range, elevated dispersion, high power and extreme sturdiness make of this product an unique and exceptional loudspeaker for his category.

Data Sheet

Frequency Response	±5 dB 120 Hz ~ 18 KHz -10 dB 110 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	92 dB 105 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES) Peak Power Transformer Taping 100V Line	20 W 80 W 20-10-5 W
Nominal Dispersion (@ -6 dB)	100° (H) x 100° (V)
Dimensions mm (±1 mm) (H x W x D)	136 x 167 x 210
Weight	2 Kg

Enclosure Material

- Enclosure Material: Aluminium
- Finish: White RAL 9010
- Suspension: U Bracket System
- Grille: Powder Coated Perforated Steel
- Connectors: Free Wires
- Wiring Mode: Blu - Common
 - Red - 20 W
 - Yellow - 10 W
 - Green - 5 W



INSTALL | EVENTS



- 5" Full-Range Loudspeaker
- Exceptional Voice & Music Reproduction
- Transformer with Three Position Powering Mode
- Powering Mode: Full Range Passive
- For permanent Installation

Product Information

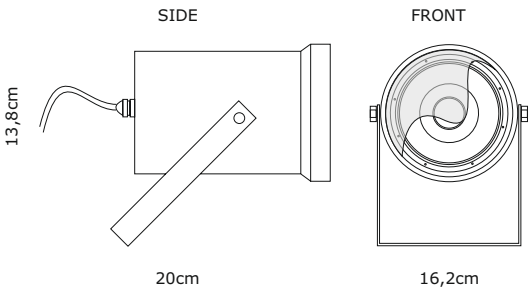
SP805P is a sound projector for ABS fusion, water-resistant and resistant at the vandal actions, ideal for the reproduction of the speech and the background music. SP805P uses a loudspeaker from 130 mm (5") double cone with membrane waterproofed to exponential profile with transformer included of 20 W with 3 position of pilotage. Extremely linear response in mid-range, elevated dispersion, high power and extreme sturdiness make of this product an unique and exceptional loudspeaker for his category.

Data Sheet

Frequency Response	±5 dB 120 Hz ~ 18 KHz -10 dB 110 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	92 dB 105 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES) Peak Power Transformer Taping 100V Line	20 W 80 W 20-10-5 W
Nominal Dispersion (@ -6 dB)	100° (H) x 100° (V)
Dimensions mm (±1 mm) (H x W x D)	138 x 162 x 200
Weight	1.6 Kg

Enclosure Material

- Enclosure Material: Plastic
- Finish: White RAL 9010
- Suspension: U Bracket System
- Grille: Powder Coated Perforated Steel
- Connectors: Free Wires
- Wiring Mode: Blu - Common
 - Red - 20 W
 - Yellow - 10 W
 - Green - 5 W



INSTALL | EVENTS

ARC115

COMPACT FULL RANGE LOUDSPEAKER SYSTEM



- 5" Full Range Loudspeaker
- Exceptional Voice & Music Reproduction
- Nominal Impedance 52 Ω , on Request 8 Ω
- Powering Mode: Full Range Passive
- For Permanent Installation

Product Information

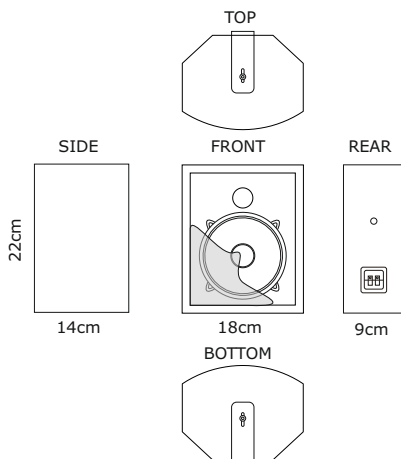
ARC115 is ideal for speech reproduction and the background music. ARC115 uses loudspeaker from 130 mm (5") double cone with membrane waterproofed to exponential profile of high level impedance speaker (52 Ω nominal). This allows the parallel connection on the same line for a maximum of 12 loudspeakers without transformers and constant voltage amplifiers. High power dispersion and extreme sturdiness, they make of this product an unique and exceptional loudspeaker. On request with 8 Ω nominal impedance.

Data Sheet

Frequency Response	± 5 dB 80 Hz ~ 18 KHz -10 dB 60 Hz
Sensitivity (1 Watt @ 1 m)	92 dB
Max SPL Calculated	105 dB
Nominal Input Impedance (Ω)	52 Ω
Power Handling (Watts Cont. AES)	20 W
Peak Power	80 W
Nominal Dispersion (@ -6 dB)	100° (H) x 100° (V)
Dimensions mm (± 1 mm) (H x W x D)	220 x 180 x 140
Weight	1.8 Kg

Enclosure Material

- Enclosure Material: MDF of 12 mm
- Finish: Texture Polyurethane Black Paint
- Suspension: U Bracket System
- Grille: Powder Coated Perforated Steel with anti-dust foam
- Connectors: Black and Red Clamps



INSTALL | EVENTS

real source found



- 5" Full-Range 52Ω Speaker
- Exceptional Voive & Music Reproduction
- Powering Mode: Full Range Passive
- For Permanent Installation

Product Information

CS5 is designed for speech and music reproduction. The main features that countersign this product are: 130 mm (5") double cone driver with powerproofed membrane to exponential profile, low distortion, extremely linear frequency response in vocal range, elevated dispersion, coated painted steel grille, easy fixing with soft torsion in box steel for ceiling. CS5 uses high level impedance speaker (52Ω nominal). This allows the parallel connection on the same line for a maximum of 12 ceiling speakers without transformers and constant voltage amplifiers.

Data Sheet

Frequency Response	±5 dB 120 Hz ~ 18 KHz -10 dB 100 Hz
Sensitivity (1 Watt @ 1 m)	93 dB
Max SPL Calculated	105 dB
Nominal Input Impedance (Ω)	52 Ω
Power Handling (Watts Cont. AES)	24 W
Peak Power	96 W
Nominal Dispersion (@ -6 dB)	100° (H) x 100° (V)
Dimensions mm (±1 mm) (H x D)	202.5 x 67
Weight	1.1 Kg

Enclosure Material

- Plastic Baffle, Metal Driver Chassis, Metal Grille
- Finish: White or Black
- Connectors: Fastens

FRONT



20.25 cm

SIDE



6.7 cm

INSTALL | EVENTS



- 5" Full-Range 8Ω Speaker
- Exceptional Voive & Music Reproduction
- Powering Mode: Full Range Passive
- For Permanent Installation

Product Information

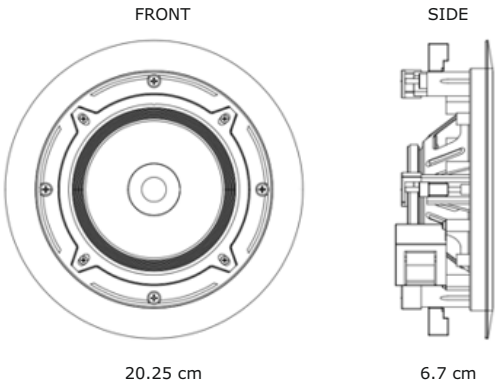
CT5 is designed for vocal and music reproduction. The main features that countersign this product are: 130 mm (5") 2-way coaxial with waterproofed membrane to exponential profile, low distortion, extremely linear frequency response in vocal range, elevated dispersion, coated painted steel grille, easy fixing with soft torsion in box steel for ceiling. CT5 uses three positions line transformer for fittings to costant voltage.

Data Sheet

Frequency Response	±5 dB 100 Hz ~ 20 KHz -10 dB 70 Hz
Sensitivity (1 Watt @ 1 m)	88 dB
Max SPL Calculated	101 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	24 W
Peak Power	96 W
Transformer Tapings 100V Line, Watts	24 - 12 - 6 W
Nominal Dispersion (@ -6 dB)	100° (H) x 100° (V)
Dimensions mm (±1 mm) (H x D)	202.5 x 67
Weight	1.5 Kg

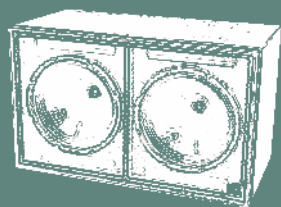
Enclosure Material

- Plastic Baffle, Metal Driver Chassis, Metal Grille
- Finish: White or Black
- Connectors: Multi Clamps



INSTALL | EVENTS





STUDIO SERIES

Line of loudspeakers for recording studio or high-end home cinema.





- 6" Ferrite LF in Vented Enclosure
- 1.1" Neodymium Soft Dome Tweeter
- Powering Mode: Full Range or Bi-Amp
(with Internal Passive Crossover)
- For Portable Use or Permanent Installation

Product Information

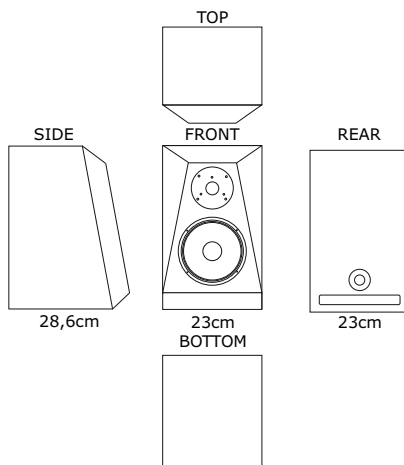
SM1 is a near-field sound monitoring designed to support the widest range of studio monitor applications. Ultra flat frequency response and physical phase alignment assure a precise reference for pro audio applications. SM1 is a 2-way system comprising a 160 mm (6") Ferrite LF, 1.5" voice coil Kapton former, Progressive spider, Rubber surround with DAR technology, a 28 mm (1.1") silk treated soft dome Neodymium HF, 1.1" voice coil aluminium former and flat aluminium wire with additional damping treatment, cooling radiator to reduce power compression and damped rear chamber. LSS's advanced crossover includes professional protection of HF. Powering mode full range passive with internal crossover filter network, on request Bi-Wiring passive mode.

Enclosure Material

- Enclosure Material: MDF 60 mm + MDF 20 mm
- Finish: Natural Wood Texture
- Connectors: 1 Neutrik NL4 Speakon
- Optional Accessories: Flight case

Data Sheet

Frequency Response	±5 dB 50 Hz ~ 20 kHz -10 dB 45 Hz
Sensitivity (1 Watt @ 1 m)	90 dB
Max SPL Calculated	112 dB
Nominal Input Impedance (Ω)	8 Ω
Power Handling (Watts Cont. AES)	150 W
Peak Power	600 W
Nominal Dispersion (@ -6 dB)	90°(H) x 90°(V)
Dimensions mm (±1 mm) (H x W x D)	386 x 230 x 286
Weight	8,7 Kg



INSTALL | STUDIO | MONITOR

SUBSM1

SUBWOOFER STUDIO MONITOR SYSTEM



- Two 320 mm LF in vented enclosure
- Powering Mode: Passive with external Digital Processor
- For Permanent Installation

Product Information

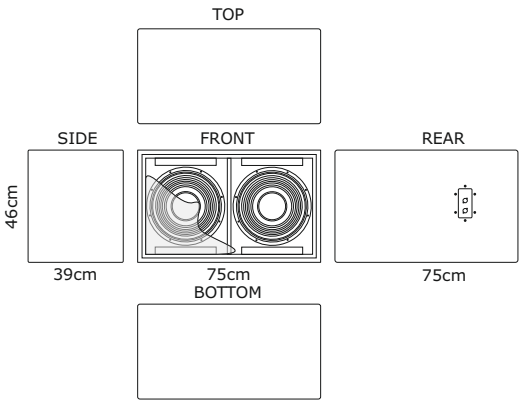
LSS SUBSM1 is a subwoofer that provides flat response in the 35-150 Hz range. The SUBSM1 performs well with SM1 studio monitors loudspeakers to form full-range reproduction systems, and is also compatible with other LSS mid-high loudspeakers. SUBSM1 cabinet houses two 320mm (12") 100 mm (4 in) copper voice coil FEA optimized Neodymium magnet assembly Double silicone spider with optimized compliance Ventilated voice coil gap for reduced power compression. The SUBSM1 was designed to support bass reinforcement of studio monitor applications, surround sound and cinema post production. SUBSM1 powering mode is only passive amplified operation with external Digital Processor.

Enclosure Material

- Enclosure Material: Birch Plywood of 18 mm
- Finish: Texture Polyurethane Black Paint
- Connectors: 2 Neutrik NL4 Speakon

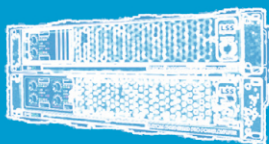
Data Sheet

Frequency Response	±5 dB 35 Hz ~ 150 Hz -10 dB 28 Hz
Sensitivity (1 Watt @ 1 m) Max SPL Calculated	96 dB 129 dB
Nominal Input Impedance (Ω)	8+8 Ω
Power Handling (Watts Cont. AES) Peak Power	2000 W 8000 W
Nominal Dispersion (@ -6 dB)	360°
Dimensions mm (±1 mm) (H x W x D)	460 x 750 x 390
Weight	35 Kg



INSTALL | STUDIO | MONITOR





DSP & AMPLIFIERS

Digital Controllers and Pro Power Amplifiers





- DX360: 3 IN / 6 OUT
- DX480: 4 IN / 8 OUT
- Flexible routing between Inputs and Outputs
- 40-bit floating point DSP (Highly accurate digital processing)
- High Performance 24-bit A/D and D/A Converters
- Accurate 1 Hz Frequency Resolution

Product Information

LSS introduces the new DX series System, it is one of the most advanced and easiest management system to control digital loudspeakers in the audio industry. The DX features 40-bit floating point processor that collects all of facilities required to drive and align sound reinforcement systems in a single box. Using a high-bit DSP prevents noise and distortion that usually gets truncation and errors when 24-bit fixed point DSP devices are used. DX series can be used as a stand-alone device managed directly from its front panel or with a laptop or other computer via built-in USB port or RS485 (for extended control distance up to one mile) for Real Time Control. Designed for touring or fixed installation, The DX comes with DX360 3-IN/6OUT, and DX480 4IN/8OUT. DX Series is designed with a quick access 'One Touch' button for Volume, EQ, Crossover, Limiter, Input Channel, and System, all this make it easily to direct access the features to configure with one touch - in real time. Moreover, DX is equipped with most advanced Pink noise and Single Frequency Generator to simplify and help to accurately setup the desired configuration. Additionally, DX Drive software on the the included CD has been developed with an intuitive graphical user interface wich makes setup a snap, even when setting up complex system. Up to 30 program setups can be stored in the onboard memory module. The DX also features full system security to prevent unwanted setting being changed.



Rotary Thumb Wheel - Changes parameter data values and press to confirm the changes. The wheel has travel speed sensing wich erase large incremental data modifications according to the speed dialed. To confirm the setting press the wheel one time.

«One touch» easy access menu keys

There are 8 menu key for:

- Signal - Gain/POL (Phase) Delay
- EQ - PEQ Equalizer
- X'over (Crossover)
- Limiter - THRESHOLD, ATTACK, RELEASE
- System - Load, Store or Erase programs
- Channel - Input Mix
- Name (Channel name) - For each Input / Output channel
- Exit - exit control main system

Data Sheet

Inputs and Outputs

Input Impedance	> 10 kOhms
Output Impedance	50 Ohms
Maximum Level	+ 20 dBu Level
Type	Electronically Balanced

Audio Performance

Frequency Response	+/- 0.1 dB (20 Hz to 20 kHz)
Dynamic Range	15 dB typ (unweighted)
CMMR	>60 dB (50 Hz to 10 kHz)
Crosstalk	< -100 dB
Distortion	0.002% (1 kHz @+4 dBu)

Digital Audio Performance

Processor	32-bit (40-bit extended)
Sampling Rate	96 kHz
Analog Converters	High Performance 24-bit
Propagation Delay	1.5 ms

Front Panel controls

Display	Backlit LCD 3x32
Level Meters	5 Segment LED
Buttons	Mute/Edit Controls One Touch Menu Controls
4 ways mMenu Controls	
Dial Encoder	Embedded Thumb Wheel

Connectors

Audio	3-pin XLR
USB	USB port
Power	Standard IEC Socket

General

Power	115/230 Vac /50/60 Hz)
Dimensions	483 x 44 x 203 mm (19" x 1.75" x 8")
Input and Output	

All specification are subject to change without notice.

DX Benefits

- 6-Band Parametric Equalizers for each Input and Output
- 'One Touch' easy access setup button
- Full 5-segment LEDs on every Input and Output
- USB and RS-485 interfaces for PC-Control and Configuration
- Original Neutrik XLR Connectors
- Full-Function Limiters on Output Channels
- Backlit 4-Line x 32 Character LCD Display
- Storage up to 30 Program Setups
- Pink Noise and Single Frequency Generator
- Safety Lock

D+/D+Q AMPLIFIER

POWER AMPLIFIER



- Light Weight and high power density: 11.5kg 2U chassis
- R-SMPS, regulated switchmode power supply with PFC for highest efficiency and improved audio performance
- Two and four channel versions
- Class D output circuit controlled by modulator for high efficiency and sonic transparency
- All channels bridgeable

Product Information

The D+ / D+Q models are based on Class D output circuit. The great advantages of this technology are: low dissipation, compact size and sonic integrity. Reactive 'back EMF' from the speaker is recycled to the power supply and an efficiency higher than 85% keeps AC power needs to a minimum, while delivering more energy to the speaker. Thanks to the high efficiency the D+ / D+Q series dramatically reduce power distribution demands compared to older high power amplifiers. In addition to higher power, the D+ / D+Q Series offers higher input voltage, multiple selectable input gains, and with the four channel models a very high power density. For those users who simply want a high performance amplifier to go with their existing processor or console, the D+ / D+Q series is an ideal choice, offering high power, excellent value, and zero signal latency. The D+ / D+Q series have an open input architecture and can have as option a Digital Signal Processing board and a remote control that allows monitoring of all key amplifier parameters: power on/off, channel mutes, and channel solo functions. The high efficient global power supply is regulated (R-SMPS), works anywhere in the world and offers PFC (Power Factor Correction). The regulated power supply easily deals with a very high variation in the AC mains voltage: it can drop by up to 20% below its nominal level e.g. to 180VAC instead of 230VAC without any loss of the amplifier's rated output Power. D+ / D+Q Series incorporates comprehensive warning and protection features to safeguard the amplifier and all connected loudspeaker drivers. Front-panel indicators give clear warnings when any potential problems are detected. Protection measures are enabled only when critical thresholds are passed or at start-up. Additionally, a soft-start circuit limits initial current draw when amplifier is turned on. The complete protection / warning suite includes: Short circuit, open circuit, thermal, RF protection, mains over / lower voltage, on/off muting, DC fault shutdown, clip limiter. Under normal use these features are inaudible and all protection methods are independent for each channel. The L.S.C. protection constantly monitors the current at the amplifier's output. When load's current exceed the amplifier's limit, the output voltage will be automatically re-adjusted to keep the output devices in a security condition. An additional circuit, with automatic reset, shut down the amplifier's channel if a full short is made between a positive output and GND. The temperature management system sense the output devices temperature. In case of inadequate ventilation or overload, the hi-temp LED start to blinking and a level compensation process will be enabled. This protection safeguard the amplifier and prevent the definitive muting for overtemperature. The cooling is front to back airflow.

D+/D+Q Benefits

- Strong Reduction of kW/hr needed and power distributions demands, this is GREEN POWER
- Low Heat Dissipation
- Flow-thru air path and solid aluminum heat sinks for maximum cooling
- Continuously variable speed fans
- Clip Limiters
- Multiple selectable (from rear panel) input gains 26 - 29- 32 - 35 - 38 - 41 - 44dB
- Selectable low-freq. HP Filters (30Hz or 75Hz)
- Tamper-proof optional DSP board
- 3 year Warranty

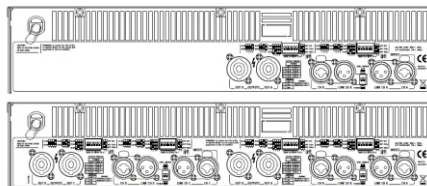
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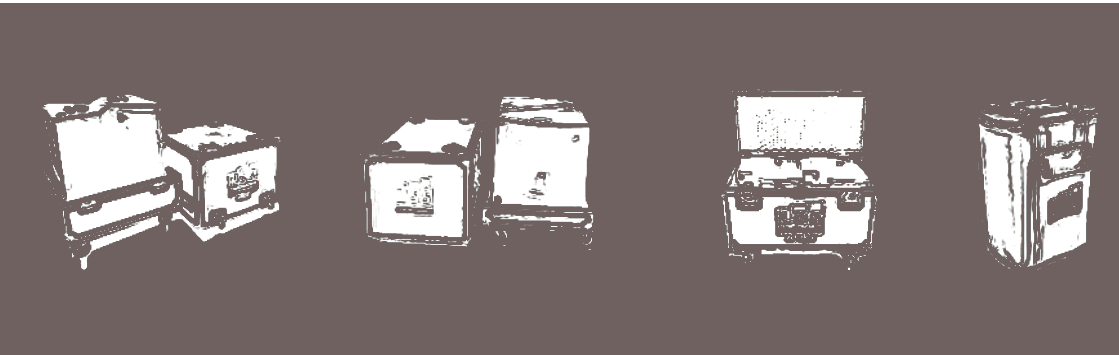
Data Sheet

MODEL	D+3.6	D+4.0	D+5.0	D+6.4	D+8.0	D+Q5.0	D+Q7.0	D+Q8.0	D+Q10.0
Number fo Channels	2	2	2	2	2	4	4	4	4
Power Ouput Per Channel 1)									
16Ω per ch. (all channels driven)	310W	430W	560W	620W	830W	260W	430W	550W	610W
8Ω per ch. (all channels driven)	550W	750W	1050W	1250W	1500W	450W	750W	1000W	1250W
4Ω per ch. (all channels driven)	1000W	1250W	1850W	2200W	2600W	750W	1250W	1700W	2100W
2Ω per ch. (all channels driven)	1800W	2000W	2500W	3200W	4000W	1250W	1750W	2000W	2500W
Power Ouput Bridge 1)									
8Ω per ch.	2000W	2500W	3700W	4400W	5200W	1500W	2500W	3400W	4200W
4Ω per ch.	3600W	4000W	5000W	6400W	8000W	2500W	3500W	4000W	5000W
Performance with Gain									
THD+D 20Hz ~ 20kHz for 1W @ 4Ω	32dB								
THD+@1kHz 1dB Below Clipping @ 4Ω	<0.2%								
Signal to Noise Ratio	<0.35%								
Frequency Response(1W@8Ω) +0/-1dB	>100dB								
Damping Factor @8Ω Load, 10Hz ~ 200Hz	20Hz ~ 20kHz								
Output Slew Rate @8Ω (input filter bypassed)	>200								
Input Impedance Balanced/Unbalanced	45V/μs								
Input CMRR	20k/10kΩ								
	>50dB								
Gain and Level									
Input Sensitivity@4Ω(32dB Gain) ±3%	1.5V	1.78V	2.16V	2.36V	2.56V	1.38V	1.59V	1.78V	2.30V
Input Gain Selectable(all Ch. internal jumpers)	26, 29, 32, 35, 38, 41, 44dB								
Default Gain	32dB								
Level Adjustment(per Ch.)	Front panel potentiometer, 21 pos. stepped gain from -Inf. to 0dB								
Front Panel Indicators									
Common	Active On(Normal Status), Active Off(Mute); Hi Temperature(Blinking for Power Reduction and on for Mute); Digital Signal								
Processor(DSP) Preset Board Present									
Per Channel	Signal Output -35dB, -20dB, -10dB; Clip / Limit; Protect								
Connectors and Switches									
Input Connectors(per Ch.)	Balanced: Neutrik Combo™ (XLR and 1/4" jack), XLR pin 2 and TRS tip positive, and 3-pin detachable Europlug (Phoenix)								
Output Connectors(per Ch.)	Neutrik Speakon™ (Bi-Wiring Connected)								
Output Bridge Mode per Two Ch.	A+B - ch. A is Signal Input Source; C+D - ch. C is Signal Input Source								
Rear Pannel 4 Position DIP Switches Power (On/Off)	Ch. A / B (C / D) High Pass Filter 30/75 Hz on; Ch.s A+B (C+D) link/Bridge on Switch on Front Panel								
Output Circuitry	Class D technology								
Power Supply	(R-SMPS) Regulated Switch Mode Power Supply with PFC (Power Factor Correction); The unit works anywhere in the world								
Cooling	Two Fans, Front to Rear Air Flow, Temperature Controlled Speed; Front Panel Removable Dust Filter								
Amplifier and Load Protection	Short Circuit, Open Circuit, Thermal, RF Protection, Mains over/Lower Voltage, On/Off Muting, DC Fault Shutdown, Clip Limiter								
Power									
Operating Voltage	95 - 265V AC - 50/60 Hz, min. power up voltage 80V								
Current Draw @ 230V/ AC 1/8 Power 4Ω	4.2A	4.9A	6.2A	7.6A					
Current Draw @ 230V/ AC 1/3 Power 4Ω	8.7A	10.2A	13.2A	16.2A					
Current Draw @ 230V/ AC idle	0.5A	0.5A	0.5A	0.5A					
Soft Start/Inrush Current Draw @ 230V AC	Yes / Max. 2A								
AC Cordset	230V CE: 16A, CEE7; 115V ETL: 15A, NEMA-15								
Options	Digital Signal Processing Board (DSP Board-1), Handles								
Dimensions(H x W x D)mm	88.9 x 483 x 490mm								
Weight	10kg								11.5kg
Approvals	CE EN55103-1(Emissions), EN55103-2(Immunity), EN60065, Class I(Safety)								

Note 1) EIA 1kHz - 1% THD @ 230V AC

Note 2) The Amplifier will be fully operational @ 2Ω loads (or @ bridge-mode @ 4Ω loads), but due to physical constraints in the construction the Hi Temp Protection may occur and max. Output Power will not be significantly higher than running the Amp. @4Ω loads (or bridge-mode @ 8Ω loads) and therefore not stated here All specifications are subject to change without notice.





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ACCESSORIES

Transport/storage cases, mounting brackets, rigging frames, speaker poles and speaker covers, spare parts etc..

ACCESSORIES

Flight Case x 2 WM4



Flight case on wheels
with 4 handles for 2 WM4

Hardware SF15



Hardware Sf15

Flight Case x 2 WM3



Flight case on wheels
with 4 handles for 2 WM3

Skate 208



Skate for AR208 max 6 modules

ACCESSORIES

SKATE&BAG HDA24



Skate and bag for HDA24

FBAR208



Flyght bar for AR208 max 16 modules

FCST17



Flight case on wheels with
4 handles x 4 ST17

BAGSP220



Speaker bag for SP220

ACCESSORIES

Case x 4 SP218



Flight case on wheels with
4 handles x 4 Sp218

BAGM30.3



Speaker bag for M30.3

Speaker bag x PP4-10



Speaker bag for PP4-10

BAGDG300



Speaker bag for DG300

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BAGSP425



Speaker bag for SP425

BAGSP530



Speaker bag for SP530

COVER for SUBDRIVE



Soft Cover for SUBDRIVE12A/P

BUMPERQREX



Bumper for QREX

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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