



# ESSENTIAL BOOK 2016

REAL SOURCE FOUND



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# LINE SOURCE

LOUDSPEAKER SYSTEMS, CONFIGURED IN ARRAY THAT  
ACT AS A SINGLE ACOUSTICAL ENTITY FOR APPLICATIONS OF HIGH SPL



# LINE SOURCE

## ST17 MICRO VERTICAL LINE ARRAY SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	±3 dB 75 Hz ~ 18 KHz -10 dB 58 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	98 dB 124 dB
NOMINAL INPUT IMPEDANCE (Ω)	16 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	400 W 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

## LINE SOURCE



## SB17 LOW FREQUENCY EXTENSION FOR ST17

### KEY FEATURES

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



FREQUENCY RESPONSE	±3 dB 40 Hz ~ 150 Hz -10 dB 35 Hz
SENSIVITY (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

## HDA24 HIGH DEFINITION LINE ARRAY SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±3 dB 50 Hz ~ 18 KHz -10 dB 45 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	LF 96 dB HF 103 dB 123 dB 123 dB
<b>NOMINAL INPUT IMPEDANCE</b> (Ω)	LF 16 Ω HF 16 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	LF 600 W HF 100 W LF 2400 W HF 400 W
<b>NOMINAL DISPERSION</b> (@ -6 dB)	120° (H) x 9° (V)
<b>DIMENSIONS</b> mm (±1 mm) (H x W x D)	240 x 700 x 540 with Hardware
<b>WEIGHT</b>	23 Kg



## PP4-10 COLUMNAR MINI ARRAY SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 120 Hz ~ 18 KHz -10 dB 100 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	99.5 dB 126 dB
<b>NOMINAL INPUT IMPEDANCE</b> (Ω)	6 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	500 W 2000 W
<b>NOMINAL DISPERSION</b> (@ -6 dB)	80° (H) x 20° (V)
<b>DIMENSIONS</b> mm (±1 mm) (H x W x D)	1.130 x 125 x 144
<b>WEIGHT</b>	9.5 Kg



# POINT SOURCE

PROFESSIONAL LOUDSPEAKER SYSTEMS FOR LIVE MUSIC, IDEAL FOR BIG CONCERTS AND ALL PERMANENT INSTALLATIONS INDOOR AND OUTDOOR

COMPACT AND VERSATILE PASSIVE LOUDSPEAKERS FOR GREAT PERFORMANCE IDEAL TO SMALL MAIN SYSTEM FOR CLUBS, MUSICIAN AND DJ'S



**POINT SOURCE**

## SP110 COMPACT 2-WAY LOUDSPEAKER SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	± 5dB 80 Hz to 20 KHz -10 dB 65 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	90 dB 107 dB
NOMINAL INPUT IMPEDANCE (Ω)	8 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	50 W 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

**POINT SOURCE**



## SP216 COMPACT 2-WAY LOUDSPEAKER SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	±5 dB 70 Hz ~ 20 KHz -10 dB 60 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	92 dB 112 dB
NOMINAL INPUT IMPEDANCE (Ω)	8 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	100 W 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



## SP320 COMPACT 2-WAY LOUDSPEAKER SYSTEM

### KEY FEATURES

- 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

FREQUENCY RESPONSE	±5 dB 60 Hz ~ 20 KHz -10 dB 50 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	94 dB 118 dB
NOMINAL INPUT IMPEDANCE (Ω)	8 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	300 W 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



## SP530 COMPACT 2-WAY LOUDSPEAKER SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	±5 dB 55 Hz ~ 18 KHz -10 dB 45 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	98 dB 125 dB
NOMINAL INPUT IMPEDANCE (Ω)	8 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	500 W 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



## POINT SOURCE

## SP425 COMPACT 2-WAY LOUDSPEAKER SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	±5 dB 65 Hz ~ 18 KHz -10 dB 45 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	96 dB 122 dB
NOMINAL INPUT IMPEDANCE (Ω)	8 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	400 W 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



## SP640 COMPACT 2-WAY LOUDSPEAKER SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	±5 dB 55 Hz ~ 18 KHz -10 dB 40 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	98 dB 125 dB
NOMINAL INPUT IMPEDANCE (Ω)	8 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	550 W 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



## PULCE EXTREMELY COMPACT LOUDSPEAKER SYSTEM

### KEY FEATURES

- 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

FREQUENCY RESPONSE	±5 dB 120 Hz ~ 18 KHz -10 dB 110 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	87 dB 101 dB
NOMINAL INPUT IMPEDANCE (Ω)	16 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	30 W 120 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



## PP4 EXTREMELY COMPACT LOUDSPEAKER SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	±5 dB 120 Hz ~ 18 KHz -10 dB 110 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	90 dB 108 dB
NOMINAL INPUT IMPEDANCE (Ω)	16 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	60 W 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



## MIL130 COMPACT 2-WAY LOUDSPEAKER SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	±5 dB 70 Hz ~ 20 KHz -10 dB 60 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	91 dB 114 dB
NOMINAL INPUT IMPEDANCE (Ω)	16 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	200 W 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



## POINT SOURCE

## QREX HORN LOADED LONG-THROW ARRAYABLE SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	±2.5 dB 90 Hz ~ 20 KHz -10 dB 65 Hz
SENSIVITY (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





## TREX HORN LOADED LONG-THROW LOUDSPEAKER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 75 Hz ~ 18 KHz -10 dB 50 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	LF 104 dB HF 106 dB 131 dB 126 dB
<b>NOMINAL INPUT IMPEDANCE</b> (Ω)	LF 8 Ω HF 16 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	LF 500 W HF 100 W LF 2000 W HF 400 W
<b>NOMINAL DISPERSION</b> (@ -6 dB)	60° (H) x 40° (V) Asymmetrical (5° down)
<b>DIMENSIONS</b> mm (±1 mm) (H x W x D)	940 x 600 x 700
<b>WEIGHT</b>	55 Kg



# SUBWOOFERS

SYSTEMS FOR LOW-END REINFORCEMENT RESPONSE WITH HIGH IMPACT



# SUBWOOFERS

## PULCEW COMPACT STEREO SUBWOOFER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 40 Hz ~ 180 Hz -10 dB 30 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	92 dB 114 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8+8 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	80+80 W 320 W+320 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS</b> mm (±1 mm) (H x W x D)	270 x 400 x 400
<b>WEIGHT</b>	10,4 Kg



## SUBWOOFERS

## SUBDRIVE12P COMPACT REFLEX SUBWOOFER SYSTEM

### KEY FEATURES

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



<b>FREQUENCY RESPONSE</b>	±5 dB 50 Hz ~ 180 Hz -10 dB 40 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	95 dB 123 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	700 W 2800 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS</b> mm (±1 mm) (H x W x D)	400 x 520 x 450
<b>WEIGHT</b>	25 Kg

## PSUB1 COMPACT REFLEX SUBWOOFER SYSTEM

### KEY FEATURES

- 15" Neodymium LF Subwoofer
- Pole Mount Cup Included
- Powering Mode: Passive with external Digital Processor

<b>FREQUENCY RESPONSE</b>	±5 dB 40 Hz ~ 150 Hz -10 dB 35 Hz
<b>SENSIVITY (1 Watt @ 1 m)</b> Max SPL Calculated	97 dB 128 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	1200 W 4800 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS mm (±1 mm) (H x W x D)</b>	540 x 450 x 550
<b>WEIGHT</b>	35 Kg



## PSUB3 REFLEX SUBWOOFER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 40 Hz ~ 150 Hz -10 dB 30 Hz
<b>SENSIVITY (1 Watt @ 1 m)</b> Max SPL Calculated	103 dB 138 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	4 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	3000 W 12000 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS mm (±1 mm) (H x W x D)</b>	660 x 1000 x 700
<b>WEIGHT</b>	75 Kg



## SUBWOOFERS

## PSUB2 REFLEX SUBWOOFER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 40 Hz ~ 150 Hz -10 dB 30 Hz
<b>SENSIVITY (1 Watt @ 1 m)</b> Max SPL Calculated	101 dB 135 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	4 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	2400 W 9600 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS mm (±1 mm) (H x W x D)</b>	540 x 840 x 620
<b>WEIGHT</b>	70 Kg



## PSUB4 PRO-HORN SUBWOOFER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 35 Hz ~ 120 Hz -10 dB 31 Hz
<b>SENSIVITY (1 Watt @ 1 m)</b> Max SPL Calculated	105 dB 137 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	1500 W 6000 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS mm (±1 mm) (H x W x D)</b>	940 x 600 x 860
<b>WEIGHT</b>	75 Kg

## SUBTREX LOW FREQUENCY EXTENSION FOR TREX SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 45 Hz ~ 180 Hz -10 dB 30 Hz
<b>SENSIVITY (1 Watt @ 1 m)</b> Max SPL Calculated	103 dB 137 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	4 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	2400 W 9600 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS mm (±1 mm) (H x W x D)</b>	940 x 600 x 700
<b>WEIGHT</b>	41 Kg



## OCTO18 ROTABLE REFLEX SUBWOOFER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 40 Hz ~ 150 Hz -10 dB 30 Hz
<b>SENSIVITY (1 Watt @ 1 m)</b> Max SPL Calculated	97 dB 129 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	1500 W 6000 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS mm (±1 mm) (H x W x D)</b>	640 x 520 x 700
<b>WEIGHT</b>	52 Kg



## SUBWOOFERS

## DG118 REFLEX SUBWOOFER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 35 Hz ~ 150 Hz -10 dB 30 Hz
<b>SENSIVITY (1 Watt @ 1 m)</b> Max SPL Calculated	97 dB 129 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	1500 W 6000 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS mm (±1 mm) (H x W x D)</b>	660 x 590 x 600
<b>WEIGHT</b>	44 Kg



### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 30 Hz ~ 150 Hz -10 dB 25 Hz
<b>SENSIVITY (1 Watt @ 1 m)</b> Max SPL Calculated	96 dB 129 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	2000 W 8000 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS mm (±1 mm) (H x W x D)</b>	700 x 600 x 800
<b>WEIGHT</b>	70 Kg



## OCTO21 REFLEX SUBWOOFER SYSTEM

## HPS246 HIGH POWER SUBWOOFER SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	±5 dB 25 Hz ~ 120 Hz -10 dB 20 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	101 dB 136 dB
NOMINAL INPUT IMPEDANCE (Ω)	4 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	3400 W 13600 W
NOMINAL DISPERSION (@ -6 dB)	360°
DIMENSIONS mm (±1 mm) (H x W x D)	600 x 1200 x 810
WEIGHT	99 Kg



## SUBQREX LOW FREQUENCY EXTENSION FOR QREX SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	±5 dB 30 Hz ~ 150 Hz -10 dB 25 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	96 dB 129 dB
NOMINAL INPUT IMPEDANCE (Ω)	8 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	1500 W 6000 W
NOMINAL DISPERSION (@ -6 dB)	360°
DIMENSIONS mm (±1 mm) (H x W x D)	596 x 600 x 720
WEIGHT	56 Kg



**MULTIFUNCTION**  
COMPACT AND VERSATILE SOLUTION TO SATISFY ANY INSTALLATION,  
TOURING, RENTAL NEEDS

# MULTIFUNCTION



## SP220 COMPACT MULTIFUNCTION SYSTEM

### KEY FEATURES

- 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

FREQUENCY RESPONSE	±5 dB 60 Hz ~ 20 KHz -10 dB 40 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	94 dB 118 dB
NOMINAL INPUT IMPEDANCE (Ω)	8 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	300 W 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

## MULTIFUNCTION



## DG300 COMPACT MULTIFUNCTION SYSTEM

### KEY FEATURES

- 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



FREQUENCY RESPONSE	±5 dB 65 Hz ~ 18 KHz -10 dB 55 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	98 dB 124 dB
NOMINAL INPUT IMPEDANCE (Ω)	8 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	400 W 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

## M30.3 ULTRA COMPACT MULTIFUNCTION SYSTEM

### KEY FEATURES

- 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

<b>FREQUENCY RESPONSE</b>	±5 dB 80 Hz ~ 20 KHz -10 dB 65 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	93 dB 117 dB
<b>NOMINAL INPUT IMPEDANCE</b> (Ω)	16 Ω (on request 8 Ω)
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	250 W 1000 W
<b>NOMINAL DISPERSION</b> (@ -6 dB)	90° (H) x 40° (V)
<b>DIMENSIONS</b> mm (±1 mm) (H x W x D)	375 x 195 x 210
<b>WEIGHT</b>	8,5 Kg



# STAGE MONITORS

FROM SMALL TO LARGE FORMAT, WITH HIGH PERFORMANCE  
FOR LIVE MUSIC WITHOUT COMPROMISE

# STAGE MONITORS



## WM2 ULTRA LOW PROFILE STAGE MONITOR SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	±5 dB 65 Hz ~ 18 kHz -10 dB 50 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	98 dB 126 dB
NOMINAL INPUT IMPEDANCE (Ω)	8 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	600 W 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

## STAGE MONITORS



## WM3 LOW PROFILE STAGE MONITOR SYSTEM

### KEY FEATURES

- 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 Install.



FREQUENCY RESPONSE	±5 dB 50 Hz ~ 18 kHz -10 dB 40 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	98 dB 126 dB
NOMINAL INPUT IMPEDANCE (Ω)	8 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	600 W 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



## WM4 LOW PROFILE STAGE MONITOR SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	±5 dB 60 Hz ~ 18 kHz -10 dB 50 Hz
SENSIVITY (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



## MM1 ULTRA LOW PROFILE STAGE MONITOR SYSTEM

### KEY FEATURES

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

FREQUENCY RESPONSE	±5 dB 80 Hz ~ 18 kHz -10 dB 60 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	92 dB 114 dB
NOMINAL INPUT IMPEDANCE (Ω)	8 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	150 W 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



# SELF POWERED

COMPACT AND VERSATILE SELF POWERED LOUDSPEAKERS FOR GREAT PERFORMANCE  
IDEAL TO SMALL MAIN SYSTEMS FOR CLUBS, LIVE MUSIC AND DISCO



**SELF POWERED**



## LT60 COMPACT SELF POWERED SYSTEM (KIT)

### KEY FEATURES

- High power system for Live PA and any kind of port. system
- Pole mount cup included
- High Quality cabinet of birch plywood
- For Portable or Permanent Install.
- 350W for SUB and 350W for the satellite with stored 4 preset
- Powering mode: self powered with digital power module made by Powersoft

### SUB SPECS.

FREQUENCY RESPONSE	±5 dB 50 Hz ~ 120 Hz -10 dB 35 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	95 dB 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

### SATELLITE SPECS.

FREQUENCY RESPONSE	±5 dB 135 Hz ~ 20 KHz -5 dB 100 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	95 dB 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

**NOTE** this kit includes: two sats (with bag), two subs (with bag), two stands (with bag), cables

SELF POWERED



## DG118A REFLEX SELF POWERED LOUDSPEAKER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 35 Hz ~ 150 Hz -10 dB 30 Hz
<b>SENSIVITY (1 Watt @ 1 m)</b> Max SPL Calculated	97 dB 125 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8 Ω
<b>POWER HANDLING (Watts EIAJ)</b>	700 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS mm (±1 mm) (H x W x D)</b>	660 x 590 x 600
<b>WEIGHT</b>	46 Kg



## OCT018A ROTABLE SELF POWERED REFLEX SUBWOOFER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 40 Hz ~ 150 Hz -10 dB 30 Hz
<b>SENSIVITY (1 Watt @ 1 m)</b> Max SPL Calculated	97 dB 128 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8 Ω
<b>POWER HANDLING (Watts EIAJ)</b>	1500 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS mm (±1 mm) (H x W x D)</b>	640 x 520 x 700
<b>WEIGHT</b>	54 Kg



SELF POWERED

## SUBDRIVE12A COMPACT SELF POWERED SUBWOOFER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 40 Hz ~ 180 Hz -10 dB 35 Hz
<b>SENSIVITY (1 Watt @ 1 m)</b> Max SPL Calculated	95 dB 128 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8 Ω
<b>POWER HANDLING (Watts EIAJ)</b>	1500 W 2800 W 350W + 350 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS mm (±1 mm) (H x W x D)</b>	400 x 520 x 450
<b>WEIGHT</b>	27 Kg



## OCT021A SELF POWERED SUBWOOFER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 30 Hz ~ 120 Hz -10 dB 25 Hz
<b>SENSIVITY (1 Watt @ 1 m)</b> Max SPL Calculated	96 dB 129 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8 Ω
<b>POWER HANDLING (Watts EIAJ)</b>	2200 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	360°
<b>DIMENSIONS mm (±1 mm) (H x W x D)</b>	700 x 600 x 800
<b>WEIGHT</b>	72 Kg



## DG300A 2-WAY SELF POWERED LOUDSPEAKER SYSTEM

### KEY FEATURES

- 12" LF Ferrite Driver in Vented Enclosure
- 1.4" Compression Driver with Rotable 1" Horn
- Fly Mounting Points and Pole Mount Cup Incl.
- For Portable Use or Permanent Installation
- Powering Mode: Bi-Amp with Digital Amplifier 350 W + 95 W

<b>FREQUENCY RESPONSE</b>	±5 dB 65 Hz ~ 18 KHz -10 dB 60 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	98 dB 125 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8 Ω
<b>POWER HANDLING</b> (Watts EIAJ)	450 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	90° (H) x 40° (V)
<b>DIMENSIONS</b> mm (±1 mm) (H x W x D)	590 x 430 x 350
<b>WEIGHT</b>	19 Kg



## SP425A COMPACT 2-WAY SELF POWERED LOUDSPEAKER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 65 Hz ~ 18 KHz -10 dB 45 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	96 dB 122 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	4 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	450 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	90° (H) x 40° (V)
<b>DIMENSIONS</b> mm (±1 mm) (H x W x D)	510 x 320 x 365
<b>WEIGHT</b>	21 Kg



## SP530 2-WAY SELF POWERED LOUDSPEAKER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 55 Hz ~ 18 KHz -10 dB 40 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	98 dB 128 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	4 Ω
<b>POWER HANDLING</b> (Watts EIAJ)	1100 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	90° (H) x 40° (V)
<b>DIMENSIONS</b> mm (±1 mm) (H x W x D)	590 x 390 x 395
<b>WEIGHT</b>	22 Kg



SELF POWERED



# ARCHITECTURAL

PROFESSIONAL SYSTEMS FOR ALL PERMANENT  
INDOOR AND OUTDOOR INSTALLATION

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# ARCHITECTURAL

## SP805 ALUMINIUM SOUND PROJECTOR

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 120Hz ~ 18 kHz -10 dB 110 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	92dB 105 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Trasformer tappings 100 Volt line	20 W 20-10-5
<b>NOMINAL DISPERSION (@ -6 dB)</b>	100° (H) x 100° (V)
<b>DIMENSIONS</b> mm (±1 mm) (H x W x D)	200 x 140
<b>WEIGHT</b>	3 Kg

## ARCHITECTURAL



## SP805P PLASTIC SOUND PROJECTOR

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	±5 dB 120 Hz ~ 18 kHz -10 dB 110 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	92 dB 105 dB
<b>NOMINAL INPUT IMPEDANCE (Ω)</b>	8 Ω
<b>POWER HANDLING</b> (Watts Cont. AES) Trasformer tappings 100 Volt line	20 W 20-10-5
<b>NOMINAL DISPERSION (@ -6 dB)</b>	100° (H) x 100° (V)
<b>DIMENSIONS</b> mm (±1 mm) (H x W x D)	200 x 140
<b>WEIGHT</b>	1,6 Kg



## ARC115 COMPACT FULL RANGE LOUDSPEAKER SYSTEM

### KEY FEATURES

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

<b>FREQUENCY RESPONSE</b>	$\pm 5$ dB 80 Hz ~ 18 KHz -10 dB 60 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	92 dB 105 dB
<b>NOMINAL INPUT IMPEDANCE (<math>\Omega</math>)</b>	52 $\Omega$
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	20 W 80 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	100° (H) x 100° (V)
<b>DIMENSIONS mm (<math>\pm 1</math> mm) (H x W x D)</b>	220 x 180 x 140 with Hardware
<b>WEIGHT</b>	1,8 Kg



## CT5 FULL RANGE CEILING SPEAKER

### KEY FEATURES

- 5" Full-Range 8  $\Omega$  Speaker
- Exceptional Voice & Music Reproduction
- Powering Mode: Full Range Passive
- For Permanent Installation

<b>FREQUENCY RESPONSE</b>	$\pm 5$ dB 100 Hz ~ 20 KHz -10 dB 70 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	88 dB 101 dB
<b>NOMINAL INPUT IMPEDANCE (<math>\Omega</math>)</b>	8 $\Omega$
<b>POWER HANDLING</b> (Watts Cont. AES) <b>PEAK POWER</b> <b>TRANSFORMER TAPINGS 100V LINE, WATTS</b>	24 W 96 W 24-12-6 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	100° (H) x 100° (V)
<b>DIMENSIONS mm (<math>\pm 1</math> mm) (H x W x D)</b>	202.5 x 67
<b>WEIGHT</b>	1.5 Kg

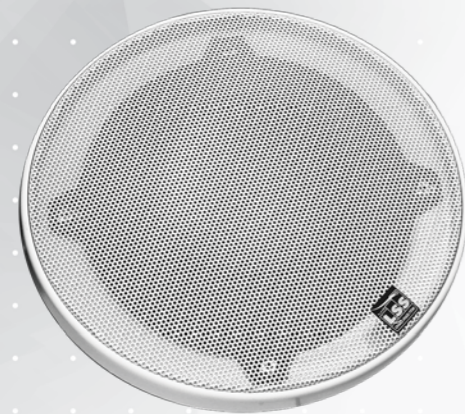


## CS5 FULL RANGE CEILING SPEAKER

### KEY FEATURES

- 5" Full-Range 52  $\Omega$  Speaker
- Exceptional Voice & Music Reproduction
- Powering Mode: Full Range Passive
- For Permanent Installation

<b>FREQUENCY RESPONSE</b>	$\pm 5$ dB 120 Hz ~ 18 Hz -10 dB 100 Hz
<b>SENSIVITY</b> (1 Watt @ 1 m) Max SPL Calculated	93 dB 105 dB
<b>NOMINAL INPUT IMPEDANCE (<math>\Omega</math>)</b>	52 $\Omega$
<b>POWER HANDLING</b> (Watts Cont. AES) Peak Power	24 W 96 W
<b>NOMINAL DISPERSION (@ -6 dB)</b>	100° (H) x 100° (V)
<b>DIMENSIONS mm (<math>\pm 1</math> mm) (H x D)</b>	202.5 x 67
<b>WEIGHT</b>	1.1 Kg





# STUDIO SERIES

LINE OF LOUDSPEAKERS FOR RECORDING STUDIO  
OR HIGH-END HOME CINEMA





# STUDIO SERIES

## SM1 COMPACT 2-WAY STUDIO MONITOR SYSTEM

### KEY FEATURES

- 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 Install.

FREQUENCY RESPONSE	±5 dB 50 Hz ~ 20 KHz -10 dB 45 Hz
SENSIVITY (1 Watt @ 1 m) Max SPL Calculated	90 dB 112 dB
NOMINAL INPUT IMPEDANCE (Ω)	8 Ω
POWER HANDLING (Watts Cont. AES) Peak Power	150 W 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

## STUDIO SERIES



## SUBSM1 SUBWOOFER STUDIO MONITOR SYSTEM

### KEY FEATURES

- Two 320 mm LF In Vented Enclosure
- For Permanent Installation
- Powering Mode: Passive with External Digital Processor



FREQUENCY RESPONSE	±5 dB 35 Hz ~ 150 Hz -10 dB 28 Hz
SENSIVITY (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



# DSP & AMPLIFIERS

DIGITAL CONTROLLERS AND PRO AMPLIFIERS

# DSP & AMPLIFIERS



## DX360/480 DIGITAL SPEAKER CONTROLLER

## DSP & AMPLIFIERS

### KEY FEATURES

- DX360: 3 IN/6 OUT
- DX480: 4 IN/8 OUT
- Flexible routing between inputs and outputs
- High Performance 24-bit A/D and D/A converters
- Accurate 1Hz frequency resolution
- 40-bit floating point DSP (highly accurate digital processing)



INPUTS & OUTPUTS				
Input Impedance	Output Impedance	Maximum Level	Type	
> 10 kOhms	50 Ohms	+20 dBu Level	Electronically balanced	
AUDIO PERFORMANCE				
Frequency Response	Dynamic Range	CMMR	Crosstalk	Distortion
+/- 0.1 dB (20Hz to 20kHz)	15 dB tyo (unweighted)	>60 dB (50Hz to 10 kHz)	<- 100 dB	0,002% (1 kHz @ +4 dBu)
DIGITAL AUDIO PERFORMANCE				
Processor	Sampling Rate	Analog Converters	Propagation Delay	
32-bit (40-bit Extended)	96 kHz	Hi-Performance 24-bit	1.5 ms	
FRONT PANEL CONTROLS				
Display	Level meters	Buttons	4 ways Menu Controls	Dial Encoder
Backlit LCD 3X32	5 segment LED	Mute-Edit Controls One Touch Menu Controls	Embedded Thumb Wheel	
CONNECTORS				
Audio	USB	Power		
3-pin XLR	Usb port	Standard IEC Socket		
GENERAL				
Power	Dimensions			
115/230 Vac/50/60 Hz	483 x 44 x 203 mm (19" x 1.75" x 8")			

# D+/D+Q POWER AMPLIFIER

## KEY FEATURES

- Lightweight and high power density: 11.5 Kg 2U Chassis
- Class D output circuit controller by modulator for high efficiency and sonic transparency
- R-SMPS, regulated switchmode power supply with PFC for highest efficiency and improved audio performance
- Two and four channel versions
- All channel bridgeable



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 of Channels	2	2	2	2	2	4	4	4	4

POWER OUTPUT PER CH.									
16 Ω per ch. (all channels driven)	310 W	430 W	560 W	620 W	830 W	260 W	430 W	550 W	610 W
8 Ω per ch. (all channels driven)	550 W	750 W	1050 W	1250 W	1500 W	450 W	750 W	1000 W	1250 W
4 Ω per ch. (all channels driven)	1000 W	1250 W	1850 W	2200 W	2600 W	750 W	1250 W	1700 W	2100 W
2 Ω per ch. (all channels driven)	1800 W	2000 W	2500 W	3200 W	4000 W	1250 W	1750 W	2000 W	2500 W

POWER OUTPUT BRIDGE 1									
8 Ω per ch.	2000 W	2500 W	3700 W	4400 W	5200 W	1500 W	2500 W	3400 W	4200 W
4 Ω per ch.	3600 W	4000 W	5000 W	6400 W	8000 W	2500 W	3500 W	4000 W	5000 W

PERFORMANCE WITH GAIN	32dB
THD+D 20Hz~20kHz for 1W @ 4 Ω	<0.2%
THD+@ 1KHz 1DB below clipping @ 4 Ω	<0.35%
SIGNAL TO NOISE RATIO	>100dBA
FREQUENCY RESPONSE (1W@8 Ω)+0-1dB	20Hz~20kHz
DAMPING FACTOR @ 8Ω load, 10Hz~200Hz	>200
OUTPUT SLEW RATE @ 8Ω (input filter bypassed)	45V/μS
INPUT IMPEDANCE Balanced/Unbalanced	20k/10kΩ
INPUT CMRR	>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: Neutric 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 2 Ch.	A+B-ch. A is signal input source; C+D-ch. C is signal input source
Rear panel 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	95-265 V AC-50/60 Hz, min. power up voltage 80 V			
Current Draw @230V/AC 1/8 power 4Ω	4.2 A	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, CEE 7; 115V ETL; 15A, NEMA-15			
Options	Digital signal processing board (DSP board-1), Handleless			
Dimensions H x W x D (mm)	88.9 x 483 x 490 mm			
Weight	10Kg			11.5 Kg
Approvals	CE EN 55103-1 (emissions), EN 55103-2 (immunity), EN 60065, class 1 (safety)			

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

Note 2) The amplifier will be fully operational @ 2 Ω loads (or @ bridge-mode @ 4 Ω loads), but due to physical constrains in the construction the Hi Temp Protection may occur and max. output power will not be significantly higher than running the Amp. @ 4 Ω loads (or bridge-mode @ 8 Ω loads) and therefore not stated here

All specifications are subject to change without notice.

# NOTES

A series of 20 horizontal dotted lines for writing notes.



**LSS** Advanced Speakers Systems  
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[www.lss.it](http://www.lss.it)