



CULTURE OF SOUND



CLS SERIES CATALOGUE

PASSIVE EDITION



CLS Series

COAXIAL LINE ARRAY SPEAKERS

The CLS (Coaxial Line Source) Series is our scalable line array solution.

There are three full range cabinets available, CLS-212P, CLS-28P and CLS-210P and also three sub-bass options; CLS-121SP, CLS-218SP and CLS-118SP all designed to offer incredible output in the most compact format possible.

Extreme care has been taken to select and customize the most advanced components on the market, including coaxial Mid/high drivers together with full electronic synergy through the coupling of the system amplification.

- ✓ Live events
- ✓ Auditoriums
- ✓ Theatres
- ✓ Large stadiums / arenas
- ✓ Houses of worship

CLS-212P



Extremely compact & extremely powerful 3-way, bi-amplified coaxial line array element. Dual high power 12" neodymium transducers and two unique 6.5" dual diaphragm coaxial planar wave driver.

Components	LF: 2 x 12". 4" DUO double layer in/out copper voice coil, Waterproof cone treated on both sides, Neodymium magnet. 1400 W (AES) MF/HF: 2 x 6.5" dual diaphragm coaxial planar wave driver. - Mid: 3.5" (90 mm) voice coil, 150 W (AES) 600W Peak - High: 1.5" (44.4 mm) voice coil, 80 W (AES)
Frequency range	60 Hz - 22 KHz (-6 dB)
Coverage	H: 100° V: Single element 10°
Max SPL / peak	LF: 135 dB / 140 dB MF/HF: 141 dB / 147 dB
Sensitive	LF: 103 dB MF/HF: 114 dB
Impedance	Low section: 4 Ω (8 + 8 Ω) Mig/high section: 8 Ω
Crossover	Mid/high: 6300 Hz Low/mid: 500 Hz
Dimensions	384 x 800 x 480 mm (H x W x D) / with pins 815.5 mm (W)
Weight	47 Kg (103.6 lbs)

CLS-210P



Extremely compact & powerful 3-way, bi-amplified coaxial line array element. Dual high power 10" neodymium transducers and a unique 10" dual diaphragm coaxial planar wave driver.

Components	LF: 2 x 10" (DUAL 88mm (3,5") voice coil), waterproof treated cone on both sides, neodymium magnet, 1600W (AES) MH/HF: 10" dual diaphragm coaxial planar wave driver. Mid: 3.5" (90 mm) voice coil, 150 W (AES) High: 1.75" (44.4 mm) voice coil, 80 W (AES)
Frequency range	55 Hz - 22 KHz (-10 dB)
Frequency response	65 Hz - 20 KHz (± 6 dB)
Impedance	16 Ω
Sensitivity	LF: 102 dB MF/HF: 122 dB
Max SPL / Peak	LF: 134 dB / 140 dB MF/HF: 135 dB / 143 dB
Power	LF Left: 800W (1600W program, 3200W peak) Right: 800W (1600W program, 3200W peak) MF: 150W (300W program, 1000W peak) HF: 80W (160W program, 320W peak)
Coverage	H: 110° (-10 dB) / 100° (-6 dB) V: Single element 10°
Crossover	Low/Mid 550 Hz Mid/High 6300 Hz
Dimensions	302 x 800 x 479 mm (H x W x D)
Weight	33 Kg

CLS-28P



Extremely compact & powerful 3-way, bi-amplified coaxial line array element. Dual high power 8" neodymium transducers and a unique 8" dual diaphragm coaxial planar wave driver.

Components	LF: 2 x 8" (2.5" DUO double layer in/out copper voice coil), waterproof cone treated on both sides, neodymium magnet, 1000W (AES) MH/HF: 8" dual diaphragm coaxial planar wave driver. Mid: 3.5" (90 mm) voice coil, 150 W (AES) High: 1.5" (44.4 mm) voice coil, 80 W (AES)
Frequency range	55 Hz - 22 KHz (-10 dB)
Frequency response	65 Hz - 20 KHz (± 6 dB)
Impedance	Low Section: 8 Ω Mid / High Section: 16 Ω
Sensitivity	LF: 100 dB MF/HF: 122 dB
Max SPL / Peak	LF: 130 dB / 136 dB MF/HF: 135 dB / 143 dB
Power	Bi- Amp LF: 1000W (2000W program, 4000W peak) Bi-Amp MF/ HF: 150W (300W program, 1000W peak)
Coverage	H: 110° (-10 dB) / 100° (-6 dB) V: Single element 10°
Weight	27 Kg (59.5 lbs)
Crossover	Low/Mid 550 Hz Mid/High 6300 Hz
Dimensions	254.5 x 600 x 480 mm (H x W x D) / with pins 613.5 mm (W)
Weight	25 Kg (55 lbs)

CLS-218SP



Compact & extremely powerful, 3400 W subwoofer unit in direct radiation configuration. Dual 18" (4.5" voice coil) neodymium transducer.

Frequency response	30 Hz - 100 Hz (preset 100 Hz) / 28 Hz - 80 Hz (preset infra)
Coverage	Quasi omnidirectional
Max SPL / Peak	136 dB / 142 dB
Sensitive 1w/1m half space	101 dB
Power	3400 W / 6800 W / 13600 W peak
Impedance	4 Ω
Configuration	Bass-reflex direct radiation enclosure
Material	15 mm / 18 mm Premium birch plywood
Dimensions	600 x 1200 x 770 mm (H x W x D)
Weight	81 Kg (178.5 lbs)

CLS-121SP



Compact & extremely powerful subwoofer unit in direct radiation configuration. 21" (4" voice coil) neodymium transducer.

Components	LF: 21" Neodymium magnet transducer. 4" quattro in/out copper voice coil, Waterproof cone treated on both sides. Malt Cross Technology cooling system. Aluminium demodulating ring for very low distortion. 1600 W (AES)
Frequency range	30 Hz - 90 Hz (preset 90 Hz)
Coverage	QUASI omnidirectional
Max SPL / Peak	131 dB / 137 dB
Sensitive 1w/1m half space	99 dB
Configuration	Bass-reflex direct radiation enclosure
Impedance	8 Ω
Dimensions	608 x 800 x 778 mm (H x W x D) without pins 814.5 mm (W)
Weight	64 Kg (141 lbs)

CLS-118SP



Compact & extremely powerful 1700W subwoofer unit in direct radiation configuration. 18" (4.5" voice coil) neodymium transducer.

Components	18" Neodymium magnet transducer. 4.5" split winding copper voice coil, Waterproof cone with treatment for both sides. Aluminium demodulating ring for very low distortion. 1700 W (AES)
Frequency response	30 Hz - 100 Hz (preset 100 Hz)
Impedance	8 Ω
Sensitive 1w/1m half space	99 dB
Max SPL / Peak	131 dB / 137 dB
Power AES	1700 W (3400W program, 7400W peak)
Coverage	Quasi-omnidirectional
Dimensions	600 x 613 x 770 mm (H x W x D) / with pins 609 x 613 mm (H x W)
Weight	58 Kg (127.8 lbs)

ACCESSORIES **CLS** SERIES

CLS-212P

SV-CLS20
Flying frame



SV-CLS20 Lite
Flying frame



SC-CLS212/28
Connection system



SC-CLS212/121S
Connection System



FC-SVCLS20
Flight case to transport



**FD-CLS22NL/
FD-4CLS212**
Rain and nylon cover



ST-SVCLS/M20
Kit to connect



ST-CLS20KIT
4 x ground stack stabilisers



BALL-PSR0820R
Ball pin with thread



CA-4CLS212
Transport rack



CLS-210P

SV-CLS20
Flying frame



SC-CLS212/28
Connection system



SC-CLS212/121S
Connection System



FC-SVCLS20
Flight case to transport



ST-CLS20KIT
4 x ground stack stabilisers



**FD-CLS22NL/
FD-4CLS212**
Rain and nylon cover



ST-SVCLS/M20
Kit to connect



BALL-PSR0820R
Ball pin with thread



CA-4CLS212
Transport rack



POWERRACK10
Transport rack



CLS-28P

SV-CLS10
Flying frame



SC-CLS212/28
Connection system



SC-CLS28/118S
Connection System



FC-4CLS28 | FC-SVCLS10
Flight case to transport 2/4



FD-CLS28NL
Rain cover



ST-SVCLS/M20
Kit to connect



ST-CLS10KIT
4 x ground stack stabilisers



BALL-PSR0820R
Ball pin with thread



POWERRACK10
Transport rack



CLS-218SP

SV-CLS20
Flying frame



**FD-2CLS218S |
FD-3CLS218S**
Nylon protection



CA-CLS218S
Removable front transport
dolly



FD-CLSSUBNL
Rain cover



ST-SVCLS/M20
Kit to connect



CA-CLS218S/2
Dolly for 2 CLS-118S



CLS-121SP

SV-CLS20
Flying frame



FC-SVCLS20
Flight case to transport 2



**FD-CLS121S |
FD-2CLS121S**
Nylon protection



SC-CLS212/121S
Connection System



CA-CLS121S
Removable front transport dolly



FD-CLSSUBNL
Rain cover



ST-SVCLS/M20
Kit to connect



ST-CLS20KIT
4 x ground stack stabilisers



BALL-PSR0820R Ball pin
with thread



CA-CLS121S/2
Dolly for 2 CLS-118S



CLS-118SP

SV-CLS20
Flying frame



FC-SVCLS10
Flight case to transport 2



FD-CLS118S
Nylon protection



SC-CLS28/118S
Connection System



CA-CLS118S
Removable front transport dolly



FD-CLSSUBNL
Rain cover



ST-SVCLS/M20
Kit to connect



ST-CLS10KIT
4 x ground stack stabilisers



BALL-PSR0820R
Ball pin with thread



CA-CLS118S/2
Dolly for 2 CLS-118S





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