



CULTURE OF SOUND



CLS SERIES CATALOGUE

LATEST 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-212, CLS-28 and CLS-210 and also three sub-bass options; CLS-121S, CLS-218S and CLS-118S 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 & integrated DSP technology.

Total system control is also achieved through our 3D prediction software (Rainbow 3D) working together with our remote system management platform (OCS).



Live events



Auditoriums



Theatres



Large stadiums / arenas



Houses of worship

CLS-212



The CLS-212 is a high-output extremely compact and extremely powerful 3-way, self-powered, DSP integrated, symmetrical coaxial line source element designed for large and medium sized touring & fixed installations.

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) High: 1.5" (44.4 mm) voice coil, 80 W (AES)
Max SPL	142 dB / 148 dB peak
Crossover	Digital: FIR filter 550 Hz Passive: 6.3 KHz
DSP Processing	96 KHz / 64 bit double-precision, DSP with FIR filter linear phase. Passive version available
Power	6000 W Class-D with switching power supply & PFC LF/MF/ HF amplifier: 1 x 3000 W
Control	User control interface with 2.8" IPS and joystick controller
Control connection	USB (DSP programming)/ Dual Ethernet port / OCS
Dimensions	384 x 800 x 480 mm (H x W x D) without pins
Weight	47 Kg (103.6 lbs)

CLS-210



The CLS-210 is a high-output extremely compact and extremely powerful 3-way, self-powered, DSP integrated, symmetrical coaxial line source element designed for medium sized touring & fixed installations.

Components	LF: 2 x 10", (3" DUO double layer in/out copper voice coil), Waterproof cone treated on both sides, Neodymium magnet. 1400 W (AES) MF: 3" (76 mm) voice coil, 90 W (AES)/ HF: 2" (51 mm) voice coil, 50 W (AES)
Max SPL	136 dB / 142 dB Peak
DSP Processing	96 KHz / 64 bit double-precision, DSP with FIR filter linear phase
Crossover	Digital: FIR Filter 550Hz
Power	4000 W Class-D with switching power supply & PFC
Control	User control interface with 2.8" IPS and joystick controller
Control connection	USB (DSP programming)/ Dual Ethernet port / OCS
Dimensions	300 x 800 x 480 mm (H x W x D)
Weight	33 Kg (72.75lbs)

CLS-28

The CLS-28 is a high-output extremely compact and powerful 3-way, self-powered, DSP integrated, symmetrical coaxial line source element designed for medium sized touring & fixed installations.



Components	LF: 2 x 8"(2.5" DUO double layer in/out copper voice coil), waterproof cone treated on both sides, neodymium magnet. 1000 W AES MF/HF: 8" dual diaphragm coaxial planar wave driver
Max SPL	135 dB / 141 dB
DSP Processing	96 KHz / 64 bit double-precision, DSP with FIR filter linear phase
Crossover	Digital: FIR filter 550 Hz Passive: 6.3 KHz
Power	2800 W Class D with switching power supply & PFC
Control	User control interface with 2.8" IPS and joystick controller
Control connection	USB (DSP programming)/ Dual Ethernet port / OCS
Dimensions	254.5 x 600 x 480 mm (H x W x D) without pins 613.5 mm (W)
Weight	27 Kg (59.5 lbs)

CLS-218S

The CLS-218S is a high-output, extremely powerful sub-bass element designed to be used in unison with the coaxial CLS-212 or CLS-28 line array module. Compact & extremely powerful, self-powered (6000 W Class D with PFC), DSP integrated sub-bass unit in direct radiation configuration.



Components	Dual 18" Neodymium magnet transducer. 4.5" split winding copper voice coil. Waterproof cone treated on both sides. Aluminium demodulating ring for very low distortion. 1700 W (AES)
Max SPL	136 dB / 142 dB Peak
Coverage	QUASI omnidirectional
DSP Processing	96 KHz / 64 bit double-precision
Power	6000 W Class-D with switching power supply & PFC
Control	User control interface with 2.8" IPS and joystick controller
Control connection	USB (DSP programming)/ Dual Ethernet port / OCS
Dimensions	600 x 1200 x 770 mm (H x W x D)
Weight	81 Kg (178.5 lbs)

CLS-121S



The CLS-121S is a high-output, extremely powerful sub-bass element designed to be used in unison with the coaxial CLS-212 and CLS-210 line array module. Compact & extremely powerful, self-powered (3000 W Class-D with PFC), DSP integrated subwoofer unit in direct radiation configuration.

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)
Max SPL	131 dB / 137 dB Peak
Coverage	QUASI omnidirectional
DSP Processing	96 KHz / 64 bit double-precision. Passive version available
Power	3000 W Class D with switching power supply & PFC
Control	User control interface with 2.8" IPS and joystick controller
Control connection	USB (DSP programming)/ Dual Ethernet port / OCS
Dimensions	608 x 800 x 778 mm (H x W x D) without pins 814.5 mm (W)
Weight	64 Kg (141 lbs)

CLS-118S



The CLS-118S is a high-output, extremely powerful sub-bass element designed to be used in unison with the coaxial CLS-28 line array module. Compact & extremely powerful, self-powered (3000 W Class-D with PFC), DSP integrated subwoofer unit in direct radiation configuration.

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)
Max SPL	131 dB / 137 dB Peak
Coverage	QUASI omnidirectional
DSP Processing	96 KHz / 64 bit double-precision. Passive version available
Power	3000 W Class D with switching power supply & PFC
Control	User control interface with 2.8" IPS and joystick controller
Control connection	USB (DSP programming)/ Dual Ethernet port / OCS
Dimensions	600 x 613 x 770 mm (H x W x D) without pins 609 x 613 mm (H x W)
Weight	58 Kg (127.8 lbs)

ACCESSORIES **CLS** SERIES

CLS-212

SV-CLS20
Flying frame



SV-CLS20 Lite
Flying frame



SC-CLS212/28
Connection system



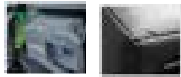
SC-CLS212/121S
Connection System



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



POWERRACK10/ CA-4CLS212
Transport rack



CLS-210

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-CLS210NL/ FD-
4CLS210
Rain and nylon cover



ST-SVCLS/M20
Kit to connect



BALL-PSR0820R
Ball pin with thread



CA-4CLS210
Transport rack



POWERRACK10
Transport rack



CLS-28

SV-CLS10
Flying frame



SV-CLS10 Lite
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-218S

SV-CLS20
Flying frame



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



CA-CLS218S
Removable front transport dolly



**FD-CLSSUBNL |
FD-CLS218S**
Rain cover



ST-SVCLS/M20
Kit to connect



CA-CLS218S/2
Dolly for 2 CLS-218S



CLS-121S

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-118S

SV-CLS10
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

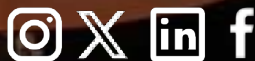




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