



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).

- ✓ Outdoor 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
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
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) without pins
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
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
Weight	58 Kg (127.8 lbs)

ACCESORIES **CLS** SERIES

CLS-28	SV-CLS10 Flying frame 	SV-CLS10 Lite Flying frame 	SC-CLS212/28 Connection system 	SC-CLS28/118S Connection System 	FC-4CLS28 y FC-SVCLS10 Flight case to transport 2/4 
	FD-CLS28 Rain cover 	ST-SVCLS/M20 Kit to connect 	ST-CLSKIT 4 x ground stack stabilisers 	BALL-PSR0820 Ball pin with thread 	Rack-10pro Transport rack 
CLS-118S	SV-CLS118S 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-CLSKIT 4 x ground stack stabilisers 	BALL-PSR0820 Ball pin with thread 	CA-CLS118S/2 Dolly for 2 CLS-118S 
CLS-121S	SV-CLS20 Flying frame 	FC-SVCLS10 Flight case to transport 2 	FD-CLS121S Nylon protection 	SC-CLS212/121S Connection System 	CA-CLS121S Removable front transport dolly 
	FD-CLSSUBNL Rain cover 	ST-SVCLS/M20 Kit to connect 	ST-CLSKIT 4 x ground stack stabilisers 	BALL-PSR0820 Ball pin with thread 	CA-CLS121S/2 Dolly for 2 CLS-118S 
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-CLS28/ FD-4CLS212 Rain and nylon cover 	ST-SVCLS/M20 Kit to connect 	ST-CLSKIT 4 x ground stack stabilisers 	BALL-PSR0820 Ball pin with thread 	Rack-10pro / CA-4CLS212 Transport rack 



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