



ACS10 (M+P)



ACS10 (M+P) is an ultra-compact line source speaker system designed for precision, power, and portability. Featuring our patented IsoTop™ coaxial waveguide, it delivers uniform coverage and exceptional clarity in a tiny A3 paper size format, achieving the performance of a traditional 2x8" line source at half the size and half the weight. The system comprises two models: ACS10M (Master) - active version with integrated amplification and DSP, and ACS10P (Passive) - powered via SpeakOn output from ACS10M. Optimized for use with the ACS218 subwoofer, the ACS10 system provides superior performance in portable and fixed applications.

Key Features

- Patented IsoTop™ waveguide for precise horizontal and vertical coverage
- All-Neodymium drivers ensure lightweight, high-output performance
- Integrated rigging for fast, secure deployment
- Up to 6 cabinets per array with 10 times safety
- Active PFC + SMPS power supply for stable, efficient operation
- Class D amplifier with DSP processing for protection and audio optimization
- ACS10M can power one ACS10P directly via SpeakOn connection
- Compact and transport-friendly system design

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Specifications

Speaker type	Self-powered Coaxial Line source Speaker System
Maximum SPL (calculated)	136 dB Peak above 1 kHz
Frequency response (-6 dB no preset)	95~22000 Hz
Nominal directivity (-6 dB)	100° (H), Vertical is array dependant
Design	2-way coaxial with IsoTop™ waveguide
Transducers	10" LF + 1" exit Annular HF (All Neodymium)
Amplifier Module	CELTO SPM3000 with alumium heatsink
Power Supply	Active PFC + SMPS (universal mains 90~260V AC)
Amplifier Type	4th Generation proprietary Class D
Power Output	LF : 3000 W Peak / 1500 W RMS (total for 2 cabinets) HF : 1600 W Peak / 800 W RMS (total for 2 cabinets)
Preamplifier	-120 dB noise floor op-amps, Fine Gold capacitors
DSP Architecture	115 dB AKM converters, 56-bit accumulators
DPS Control	Crossover, EQ, phase and protection
DPS Presets	Near / Mid / Far Field - Flat / Music
Connectivity	ASC10M Balanced XLR input/thru + Speakon Output (Powers one ACS10P) + PowerCon In/Out
Enclosure	Exterior grade Birch Plywood
Cabinet finish	Touring Grade Rubberized PolyUrea Black coating Acoustic PU foam behind Front grill
Floor monitor use	Does not apply
Flying hardware	Fully integrated, cable-free, rigging > 0° / 5° / 10° angles
Mounting hardware	ACS-MA Mouting Adapter
LF	10" coaxial CELTO ACOUSTIQUE 10CXN400LA
Woofer Chassis	Die Cast Aluminium
Woofer Voice coil diameter	3" / 75 mm
HF	CELTO ACOUSTIQUE ACDN44 loaded by IsoTop waveguide (in coaxial mounting)
HF RMS power (AES standard)	80 W above 1.2 kHz
HF Exit	1" / 25 mm
HF Voice coil diameter	1.7" / 44 mm Silver loaded wire
HF Diaphragm	HSP Annular (High Strenght Polymer)
Speaker size (HxWxD)	450 x 280 x 395 mm
Speaker Weight	ACS10M: 16 kg / ACS10P: 13 kg
Shipping information	1x ACS10M + 1x ACS10P per single carton 37.5 kg 695 x 500 x 580 mm
Accessories	ACS10-CB (Crossbow flying/stacking frame) ACS10-ZBAG (padded bag with Zip) CB700 (connection bar) ACS-MA (mounting adapter)

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