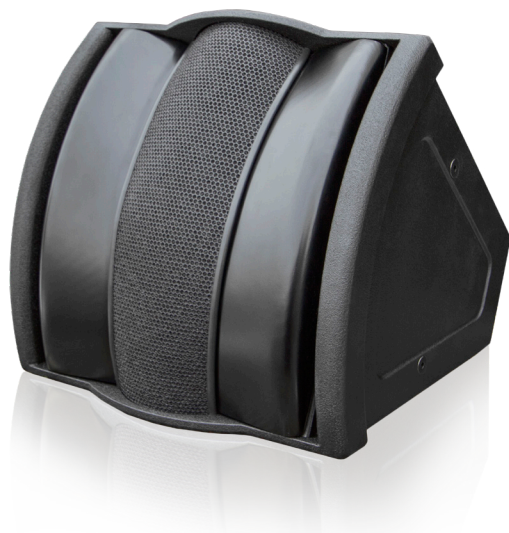


10SPOT

Passive Coaxial Point Source



The 10SPOT has been designed and engineered to be a hybrid speaker combining Clair's Curved Array Technology and advanced One Series coaxial horn technology resulting in a unique form factor loudspeaker with impressive sound reproduction characteristics. Its compact size and distinctive ability to coherently cover large listening areas makes it an ideal system where space is at a premium. Its specialized characteristics make it particularly applicable for distributed systems, under balcony, delay fills and live entertainment speech and music reinforcement.

Its distinctive directivity is the result of its coaxial horn arrangement providing constant curvature vertical and progressively increasing horizontal directivity. The resultant directivity pattern is 90° at the top and 135° at the bottom across a 45° vertical angle. A 10-inch neodymium cone driver and 1.7-inch compression driver both load into the unique combination of two overlaid horns resolving the problem of horn shadowing common to coaxial systems. This enables the mid/high frequencies of the 10-inch driver and the high frequency horn to seamlessly converge as they extend towards the mouth of the horn.

Its unique form factor and impressive directivity characteristics make the 10SPOT well suited for installations near ceiling to wall intersections such as in hotel/club bar areas. The low/mid frequencies are ported thru discreet horns located on both sides of the forward-facing enclosure. The frequency response is 90 Hz – 20 kHz (+/-3 dB).

The 10Spot includes an integrated passive two-way crossover that facilitates single amp channel operation using approved Clair Global DSP amplified controllers.

The enclosure is constructed of premium Baltic birch plywood and has (8) M10 x 1.5 integrated mounting points for optional mounting brackets or custom rigging. A heavy-duty perforated powder coated steel grille, backed with foam and weather-resistant components ensure reliability in harsh environments. A textured polyurea paint provides a durable, attractive finish.

As with all Clair Global loudspeaker products, the 10SPOT is designed and engineered with pride in the USA.

APPLICATIONS

Performing Arts Centers
Houses of Worship
Arenas/Auditoriums
Night Clubs
Cruise Ship Venues
A/V Systems Support

FEATURES

Two-Way Passive
Coaxial, Horn-loaded
Max Output: 131 dB SPL
LF Device: (1) 10 in. (254 mm)
HF Device: (1) 1.7 in (43.18 mm)
90°- 135° H x 45° V
Textured Polyurea Finish
Connectors:
(2) EP-4 Connectors (1 - M, 1 - F)
(1) 4-Position Terminal Strip
Epoxy Mastic Finish

OPTIONS & ACCESSORIES

Top Mount Tilt Bracket
Yoke Mount Bracket
Custom Rigging

LEGACY
COLLECTION

Call or e-mail Clair Global for more information on available options.
717.626.4000 | e-mail: product@clairglobal.com

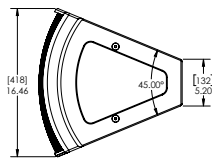
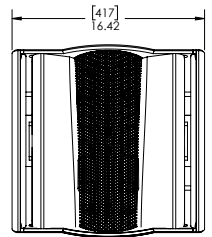
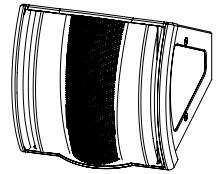
10SPOT

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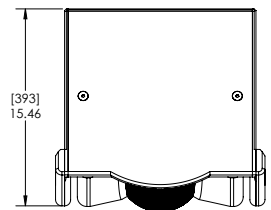
AUDIO SPECIFICATIONS

Loudspeaker Type	Point Source	Two-Way (Single Amp Channel Passive)
Frequency Response		90Hz - 20 kHz (+/-3 dB)/ 70 Hz (-10 dB)
Recommended Power Amplifier ¹		Lab.gruppen D40:4L ¹
Compatible Subs		kiT-Sub-II, kiT-Sub-II+
Prediction Software		Clair GLL/AFMG Ease Focus™
Processing, Configuration & System Optimization Software		Lake Controller® with Clair DSP, WiFi System Control
Maximum Output ²		131 dB SPL @ 1 M Bandpass Dependent ²
Drivers	LF/LMF HF	(1) 10 in. (254 mm) Cone Driver (1) 1.7 in. (42.17 mm) Compression Driver
Nominal Impedance	LF HF	8 Ohms 16 Ohms
Power Handling	Program (AES) Peak	300 W 600 W
Directivity	Asymmetric Horizontal Vertical	90° - 135° 45°
Input Connection		(2) EP-4 Connectors (1 Male, 1 Female) (1) 4-Position Terminal Strip



MECHANICAL SPECIFICATIONS

Enclosure	Shell Finish	Baltic Birch Plywood Textured Polyurea Finish
Rigging		(8) - M10 x 1.5
Grille		Powder Coated Steel, Foam Backed
Dimensions	Front Height Rear Height Width Depth	16.46 in. (418 mm) 5.20 in. (132 mm) 16.42 in. (417 mm) 15.46 in. (393 mm)
Weight		35 lbs. (16 kg)
Shipping Weight		40 lbs. (18 kg)



1) Minimum recommended amplifier to achieve the designed acoustic performance.

2) Maximum SPL calculated based on peak power from specified amplifier and preset, combined with measured 1w/1m sensitivity, 12dB crest factor.

Note: All wattage figures are calculated using the rated nominal impedance.

Clair Global products are designed to perform optimally by utilizing factory recommended proprietary DSP settings.

10SPOT Passive Pin Configuration

EP-4 PIN	USE
1 & 3	(-)
2 & 4	(+)
Terminal Strip	USE
Black	Low (-)
Black	High (-)
White	High (+)
Red	Low (+)

ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker shall be a two-way passive, coaxial point source system for permanent installation. There shall be a single 10-inch coaxial driver mounted in a tuned, vented enclosure. The low frequency 10-inch driver shall have a 2.5-inch voice coil and neodymium magnet structure. The high frequency 1.7-inch voice coil, neodymium compression driver shall be mounted coaxially on a system of two overlaid solid wood horns to smoothly transition the directivity from 90°- 135° H x 45° V. The high frequency horn shall provide complete pattern control over the bandwidth. The frequency response shall be 90 Hz - 20 kHz (+/-3 dB). The loudspeaker input connectors shall be 2 - EP-4 (1 Male, 1 Female) and a 4-position terminal strip. The enclosure shall be trapezoidal in geometry and constructed of premium Baltic birch plywood. The enclosure shall have (8) - M10 x 1.5 integral mounting points for optional mounting brackets. The centrally located horn guide shall be fitted with a perforated powder coated steel grille backed with foam. The cabinet shall be finished with a textured polyurea paint. The dimensions shall be H: Front: 16.46 in. (418 mm) Rear: 5.20 in. (132 mm) x W: 16.42 in (417 mm) x D: 15.46 in. (393 mm) and weigh 35 lbs. The loudspeaker shall be called the Clair Global 10SPOT.

Due to constant research, development and improvements all specifications are subject to change without notice.