

# HARRIER ONE-SP

**TRACTION**

12" + AMT. 2-Way Bi-Amp Powered + Driven Output for Harrier Dub 12. Traction Control on board.



The Harrier ONE is a two way loudspeaker. Low frequency is from a 12" (320mm) transducers with a 3" (76mm) voice coil and neodymium magnet. High frequency is from a proprietary Air Motion Transformer (AMT) with a 6.6x1.2" (167x31mm) diaphragm. The AMT is partially in front of the low frequency driver. This presents good cohesion between the sources without masking the low frequency driver.

This self-powered cabinet features a Class-D amplifier. It has Power Factor Correction to reduce energy consumption. Worldwide use is possible with an AC input operating range is 100-240 V AC @ 50-60Hz.

There is a slave output to power a Harrier Dub 12. Slave connection is provided with Neutrik® NL4 SpeakON™ sockets. A pair of XLR sockets provide two channels of input connection. Mains power uses a Neutrik® PowerCON™ connections.

The self-powered cabinet includes optimized DSP. It features Peak and RMS limiters to ensure a reliable system. The DSP can be further customized by connecting it to Traction Control software.

Construction is from 15mm Birch Ply that is sourced from sustainable and managed woodland. The cabinet is finished in textured polyurea. The drivers are protected by a heavy duty 14 Gauge (2mm) steel grill. The cabinet aesthetics takes its cue from contemporary architecture and computational design. The form factor has been optimized to minimize reflection from the rear of the cabinet. The damping material used in the cabinet is from made from recycled single use plastics.

The bottom of the cabinet features a 35mm top hat to allow the speaker to be pole mounted without any additional hardware. The cabinet features an angled back so it can be used as a stage monitor and has four rubber feet for this application. On the sides of the cabinet there are ergonomically handles for portability.

A complete range of mounting hardware is available to compliment the Harrier ONE. This includes wall and ceiling brackets as well as options for more demanding situations.

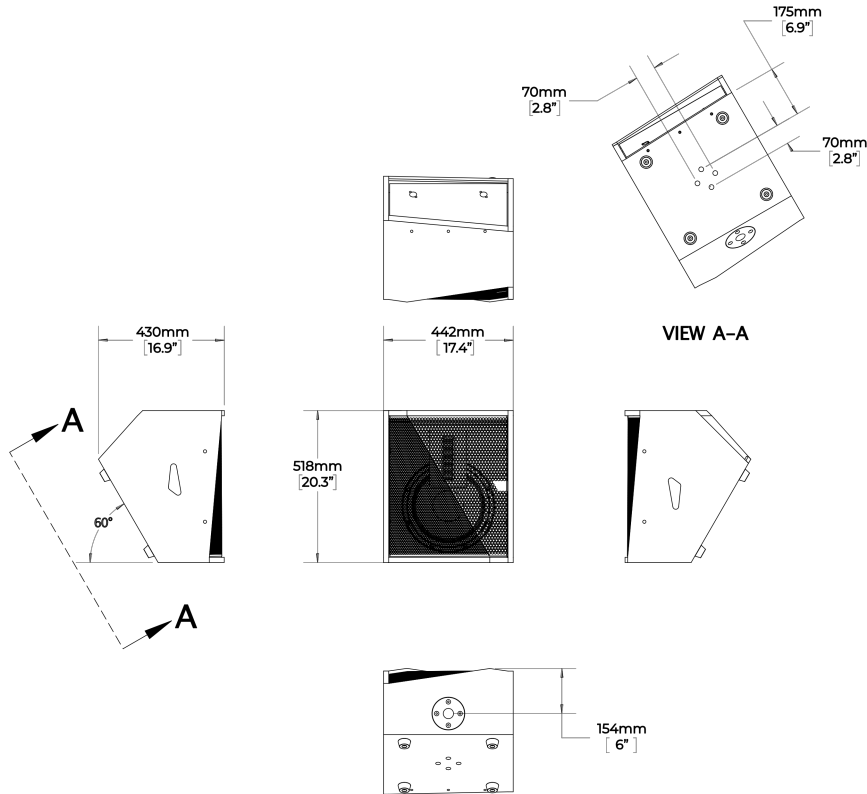
**WWW.TRACTIONSOUND.COM**

**INFO@SCICOUSTIC.COM**

# HARRIER ONE-SP

**TRACTION**

12" + AMT. 2-Way Bi-Amp Powered + Driven Output for Harrier Dub 12. Traction Control on board.



Type	Bi-Amped two-way system	
Frequency Response (1)	57Hz - 20kHz +/-3dB	
HF Driver	AMT with 6.6" x 1.2" (167mm x 31mm) diaphragm, neodymium magnet	
LF Driver	12" (320mm) / 3" (76mm) voice coil, neodymium magnet	
Maximum SPL HF (2)	122dB Cont. 128dB Peak	
Maximum SPL LF (2)	125dB Cont. 131dB Peak	
Audio Input	Connectors	2ch XLR Input
	Audio Input Impedance	10kΩ balanced
	Maximum Analogue Input Level	9.76V / +22dBu
Audio Output	Connectors	Neutrik® NL4 SpeakON™
	Companion Speaker for Mono Output	Harrier Dub 12
Internal Processing	DSP Overview	Traction Control
	S/N Ratio (analogue-to-analogue)	>113 dB
	THD+N	<0.02% (20Hz - 20 kHz)
Amplifier Module	Type	Switched Mode / Class D
	Continuous Output Power	2200W
	Maximum Ambient Temperature	35° C (95°F)
Power Supply	Type	Universal input, regulated Switched Mode with PFC
	Ac Input Operating Range	100-240V AC @ 50-60Hz
	Power Requirements	7 Amps
	Power Factor	> 0.9 @ 4Ω full power
Dispersion (-6dB)	94° horizontal, 14° vertical	
Enclosure	3/4" (15mm) Birch Ply	
Finish	Black or White Textured Polyurea	
Protective Grill	14 Gauge (2mm) steel grill	
Fittings	4x M8 inserts for wall/ceiling brackets, 4x Rubber Feet, 35mm Top Hat	
Dimensions (WxHxD)	442mm x 518mm x 430mm, 17.4" x 20.3" x 16.9"	
Weight	17.6kg, 39 lbs	
Accessories	Wall Bracket, Ceiling Bracket, Pole Mount Bracket	

## Notes

(1) Measured on axis in half (2pi) space at two meters and referred to 1 meter

(2) Calculated at 1 meter.