HS-40

Acoustic Hailing Device

Features

- World's first +160 dB directed voice projection system
- Long range: 2 km+
- Narrow acoustic beam
- Optimized for human voice
- Live & pre-recorded messages/warnings
- Multilingual messages
- Highly intelligible at range with excellent STI rating of 0.91
- Compatible with Phraselator P2

Check Us Out On:

HyperSpike HS-40, the loudest Acoustic Hailing Device in production, is the ideal sound solution for communicating to extremely long distances and penetrating high background noise environments.

With an acoustic footprint in excess of 2 km, clear, intelligible messages and authoritative commands are broadcast to intended targets. Determining intent and influencing behavior, the HS-40 can produce a warning tone of 135 dB at 100 meters!

Equipped with Pan & Tilt capability, the HS-40 enables communication at range, in either real-time voice or pre-recorded, multiple language messages.

Its breakthrough HyperSpike technology enables the HS-40 to faithfully reproduce sound with less than 1% distortion across the entire wide frequency range. With a Speech Transmission Index (STI) of .91 (out of 1.0), the HS-40 produces clear and authoritative voice output at range.

The HS-40 is the clear choice for large scale ships and platforms and the longest range requirements.

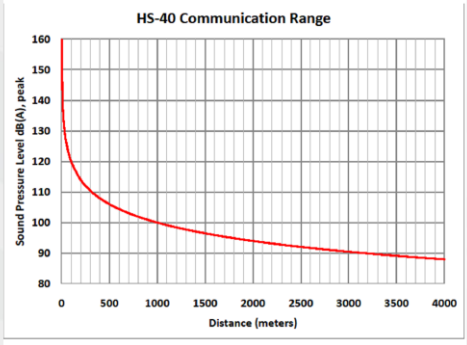
Applications

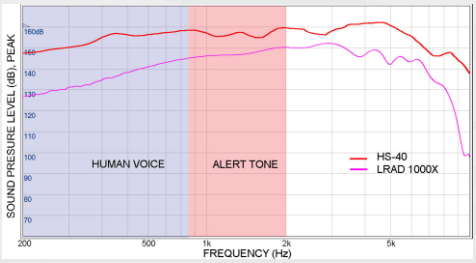
- Military Security
- Maritime & Port Security
- Perimeter Protection
- Oil & Gas Platforms
- Large Area Security
- Commercial Shipping

HYPERSPIKE
Sound that Moves

Ultra ELECTRONICS

HS-40 Specifications





Overlay data compiled by lrad.com and ultra-hyperspike.com

External Amplifier

Ordering Information

Model No. 90076A-801 (Gray)
90076A-802 (Tan)

Included with HS-40

- External Amplifier
- Pan & Tilt Bracket
- Microphone
- MP3 player
- Hearing protection
- HS Audio Optimizer software

Acoustic Specifications:

Sound Pressure Level (SPL), peak	160 dB A-weighted @ 1 m
Usable range[1]	Exceeds 2000m (see graph)
Beam width	+/-5° (10° conical @ 2 kHz)
Frequency response	225 Hz - 12 kHz (see graph)
Speech Transmission Index (STI)	0.91 out of 1.0

Power Requirements:

Power input	100-250 VAC, 50/60 Hz
Current draw, typical	5 Amps, 110-120 V
Current draw, max.	8 Amps, 110-120 V

System Specifications:

Dimensions - Emitter head	39.1" diameter x 15.9" depth (99.3 cm diameter x 40.4 cm depth)
Weight - w/ Electronics	190 lbs (86.2 kg) - w/o Accessories
Housing construction	Advanced Composites
Housing color	Tan or Gray

Environmental Conditions[2]:

Random Vibration	MIL-STD 810F, Method 514.4
Shipboard Vibration	MIL-STD-167-1A
Shipboard Shock	MIL-STD-910D, Class I
SRS Shock	MIL-STD-810F, Method 516.5
High Temperature Operation	MIL-STD-810F, Method 501.4
Low Temperature Operation	MIL-STD-810F, Method 502.4
Rain	MIL-STD-810F, Method 506.4
Operating Humidity	MIL-STD-810F, Method 507.4
Salt Fog	MIL-STD-810F, Method 509.4
Safety Standard	MIL-STD-1474D
EMC Standard	FCC Part 15 Class A Radiated & Conducted Emissions

Mission-Critical Accessories

- Tripod
- Remote Operations Controller
- Weather Cover
- Extended Speaker Cables

[1]Environmental conditions dependent
[2]Designed to meet harsh, maritime environmental conditions

Anchor Innovation, Inc.
208 Golden Oak Court, Suite 121
Virginia Beach, VA 23452
757-962-9175
www.anchori.com
www.ultra-hyperspike.com

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