HYPERSPIKE

HS-10R

Portable Acoustic Hailing System

The HyperSpike® HS-10 is a lightweight, self-contained portable acoustic hailing device delivering up to 144 dB peak output and 1,000 meter communication range for clear, authoritative commands in high-noise environments.

With a **Speech Transmission Index (STI) of 0.85**, a built-in high-frequency alert tone, and rugged aerospace-grade composite construction, it excels in crowd control, search and rescue, law enforcement, maritime operations, and emergency response, while optional mounts, transit case, and Bluetooth accessories ensure rapid, versatile field deployment.

Technical Specifications:

HS-10 Specifications	
Peak Acoustic Output	144 dB SPL @ 1 m
Communication Range	Up to 1,000 Meters (1,093+ Yards)
Acoustic Beam Width	±15°
Frequency Response	400 Hz – 7 kHz (optimized for human voice)
Voice Intelligibility Rating	0.85 / 1.0 (STI)
Weight	12 lbs (HS-10C) / 15 lbs (HS-10R)
Battery Life	15 hours @ duty cycle
Construction	Flame-retardant, UV-stable aerospace composite
Environmental Rating	IP65, NEMA3R
Dimensions	13.5"H x 12.5"L x 10.0"W

Key features:

- Lightweight, portable design for rapid deployment in the field.
- Rugged aerospace-grade composite housing for harsh environments.
- Long battery life with internal rechargeable pack for all-day operation.
- Multiple input options, including live mic, record/play, and analog line-in.
- Thermal management system prevents overheating and shutdown
- Superior voice intelligibility ensures commands are clearly understood in noisy environments.

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HYPERSPIKE

HS-14

Long-Range Acoustic Hailing Device

The HyperSpike® HS-14 is a lightweight, self-contained portable acoustic hailer designed for long-range communication and high-noise environments. Delivering 151 dB max output with a 2,000+ meter acoustic footprint, it ensures clear, authoritative voice commands supported by a built-in high-frequency alert tone for deterrence.

Weighing just 37 lbs, its rugged carbon fiber–reinforced housing is easily transportable and built to withstand extreme maritime and desert conditions. With an extended frequency range and a **Speech Transmission Index (STI) of 0.85**, the HS-14 reliably delivers intelligible commands to intended targets.

Technical Specifications:

HS-14 Specifications	
Peak Acoustic Output	151 dB SPL @ 1m
Communication Range	Up to 2,000+ Meters (2,187+ Yards / 1.07 Nautical Miles)
Acoustic Beam Width	±12° @ 2 kHz
Frequency Response	300 Hz – 8 kHz (optimized for human voice)
Voice Intelligibility Rating	0.85 / 1.0 (STI)
Weight	37 lbs (16.8 kg)
Power Consumption	425W avg / 750W peak
Construction	Carbon fiber reinforced housing; Navy Gray, Desert Tan
Environmental Rating	MIL-STD-810G compliant for extreme conditions
Dimensions	~15" diameter × 16.5" depth

Key features:

- Self-contained, portable acoustic hailer for rapid field deployment
- Penetrates high background noise for clear, intelligible communication
- Built-in high-frequency alert tone for instant deterrence
- Thermal management system prevents overheating and shutdown

HYPERSPIKE

HS-14 RAHD

Integrated Remote Acoustic Hailing & Surveillance Device

The HyperSpike® HS-14 RAHD™ combines the powerful HS-14 acoustic technology with a remote pan-tilt system, making it ideal for perimeter security and sound reinforcement. With a 2,000+ meter acoustic footprint, it delivers clear, authoritative commands with industry-leading intelligibility.

The integrated HyperSpike® Command & Control Center offers intuitive operation from a desk or wirelessly on the move, automatically adapting its interface to connected devices like HD cameras, high-powered searchlights, or optional sensors such as thermal imagers and ocular interrupters. This plug-and-play modularity, paired with the HS-14's acoustic power and remote control capability, creates a versatile and robust security solution.

Technical Specifications:

HS-14 RAHD Specifications	
Peak Acoustic Output	151 dB SPL @ 1m
Communication Range	Up to 2,000+ meters (2,187+ Yards / 1.07+ Nautical Miles)
Acoustic Beam Width	±12° @ 2 kHz
Frequency Response	300 Hz – 8 kHz (optimized for human voice)
Voice Intelligibility Rating	0.85 / 1.0 Speech Transmission Index (STI)
Weight	83.6 lbs (37.9 kg)
Power Consumption	425W avg / 750W peak
Construction	Carbon fiber reinforced housing; Navy Gray, Desert Tan
Environmental Rating	MIL-STD-810G compliant for extreme conditions
Special Features	Unmanned, networkable system with remote pan-tilt control and optional camera or searchlight integration.

Key features:

- Fully unmanned, networkable system for remote perimeter security operations.
- Integrated Command & Control Center for desktop or mobile operation over Ethernet.
- Built-in high-frequency alerts tone for instant deterrence
- Integrated 16GB file player for pre-recorded message playback
- Thermal management system prevents overheating and shutdown
- Carbon fiber reinforced housing, built to withstand extreme maritime and desert environments.

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HYPERSPIKE

HS-18

Long-Range Acoustic Hailing Device

The HyperSpike® HS-18 is a powerful, customizable acoustic hailing device engineered with proprietary HyperSpike® technology and the innovative Opti-Port equipment bay. Delivering 156 dB SPL with a 3,000+ meter communication range, it enables clear, authoritative commands even in high-noise environments.

The Opti-Port bay supports optional mission-critical sensors like video cameras or searchlights, providing enhanced threat evaluation and faster response. Centered sensor placement minimizes calibration needs, while the narrow 5° beam and **0.85 Speech Transmission Index (STI)** ensure unmatched voice clarity.

Technical Specifications:

HS-18 Specifications	
Peak Acoustic Output	156 dB SPL @ 1m
Communication Range	Up to 3,000+ Meters (3,280+ Yards / 1.62+ Nautical Miles)
Acoustic Beam Width	±5° @ 2 kHz
Frequency Response	245 Hz – 10 kHz (optimized for human voice)
Voice Intelligibility Rating	0.85 / 1.0 (STI)
Weight	90 lbs (40.8 kg)
Power Requirements	100–250 VAC, 50/60 Hz; 2.4A typical / 4.0A max
Construction	Carbon fiber housing; Navy Gray, Desert Tan
Environmental Rating	MIL-STD-810F compliant
Dimensions	~20" diameter × 18" depth

Key features:

- Self-contained electronics simplify deployment and reduce setup complexity.
- Compact carbon fiber construction for durability in harsh environments.
- Built-in high-frequency alert tones for instant deterrence
- Integrated 16GB file player for pre-recorded message playback
- Thermal management system prevents overheating and shutdown
- Superior voice intelligibility ensures commands are clearly understood in noisy environments.

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HYPERSPIKE

HS-18 RAHD

Integrated Remote Acoustic Hailing & Surveillance Device

The HyperSpike® HS-18 RAHD™ pairs the high-powered HS-18 acoustic technology with a remote pan-tilt system, delivering up to 3,000+ meter of clear, authoritative voice commands with industry-leading intelligibility.

Its integrated HyperSpike® Command & Control Center provides an intuitive interface, accessible from a desk or wirelessly on the move. Operators can control connected devices such as HD cameras, high-powered searchlights, and optional sensors including thermal imagers or laser dazzlers.

This plug-and-play modularity, combined with the HS-18's acoustic power and remote operation, makes the HS-18 RAHD™ a premier solution for robust perimeter security and sound reinforcement.

Technical Specifications:

HS-18 RAHD Specifications	
Peak Acoustic Output	156 dB SPL @ 1m
Communication Range	Up to 3,000+ Meters (3,280+ Yards / 1.62+ Nautical Miles)
Acoustic Beam Width	±5° @ 2 kHz
Frequency Response	245 Hz – 10 kHz (optimized for human voice)
Voice Intelligibility Rating	0.85 / 1.0 Speech Transmission Index (STI)
Weight	170 lbs (77.1 kg)
Power Requirements	100–250 VAC, 50/60 Hz; 2.4A typical / 4.0A max
Construction	Carbon fiber housing; Navy Gray, Desert Tan
Environmental Rating	MIL-STD-810F compliant
Special Features	Unmanned, networkable system with remote pan-tilt control and optional camera or searchlight integration.

Key features:

- Fully unmanned, networkable system for remote perimeter security operations.
- Integrated Command & Control Center for desktop or mobile operation over Ethernet.
- Superior voice intelligibility for clear communication over long distances.
- Rapid response capability allowing operators to assess and react without on-site presence.
- Carbon fiber construction built to withstand extreme maritime and desert environments.

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HYPERSPIKE

HS-20 Magnum Array

Integrated Wide Area Acoustic Hailing Device

The HyperSpike® HS-20 Magnum Array is a modular, wide-area, high-power speaker system that broadcasts live and pre-recorded voice commands and alert tones over large outdoor spaces. The HS-20 Magnum delivers industry-leading voice intelligibility to ensure commands are clearly heard in expansive venues.

Designed specifically for maritime applications, the HS-20 Magnum Array offers a low-cost, flexible solution for operations requiring durable, corrosion-resistant, wide-area notification in saltwater environments.

This new, highly efficient configuration of the proven HS-10R Magnum is capable of integrating a multilingual database of pre-recorded messages and is engineered to meet the expanding demands of the maritime alerting sector while upholding HyperSpike's tradition of exceeding expectations and delivering life-saving solutions.

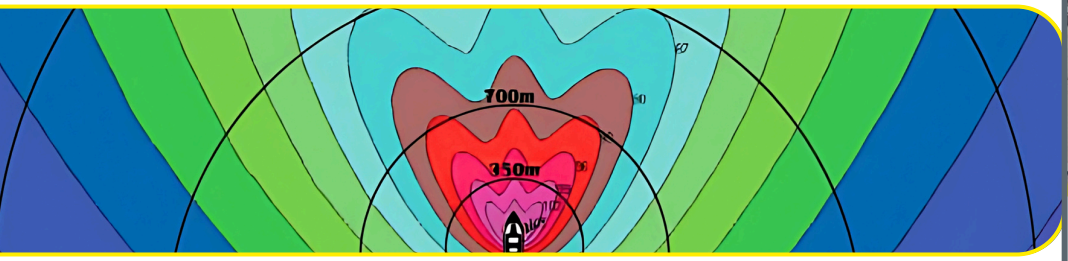
Full Kit Includes:

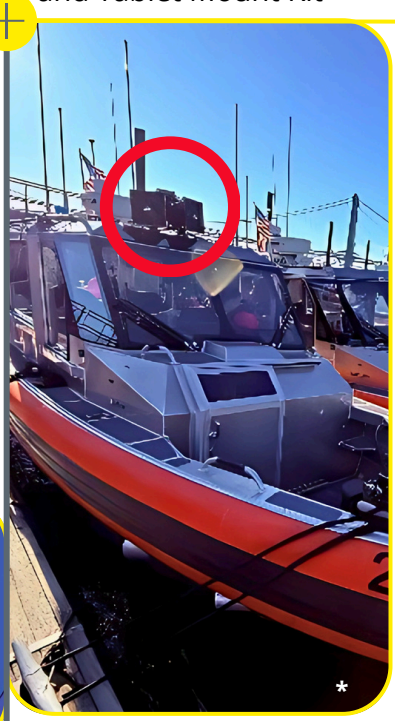
2-Horn Array, App, Microphone, DC Amplifier, Mounting Brackets, and Tablet Mount Kit

**Tablet Not Included*

Technical Specifications:

HS-20 Array Specifications	
Array Specifications	2 Horn Array
dB SPL Max@ 1m*	151 dB
Horizontal Coverage -3dB	+/- 120°
Frequency Response (±6dB)	375Hz-15kHz
Usable Range @ 88dB, C-weighted	Up to 2,000+ Meters (2,187+ Yards / 1.07 Nautical Miles)
Acoustic Dispersion (AVG 375Hz - 15kHz)	120°
Speech Transmission Index	0.90 / 1.0 Excellent **Source Capability Ambient Conditions Dependent*





MSST New York (91106) Demo March 2025.

Key features:

- Cost Effective All Weather Wide Area Notification
- 151 dB acoustic output
- Lightweight with a small footprint
- Excellent voice intelligibility rating
- Multiple input options (analog audio, local mic, tablet)
- Constructed from composite, powder-coated aluminum, and all stainless hardware
- Marine-grade design for all maritime environments (saltwater corrosion resistant, UV and humidity tolerant)

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