



## HS-Micro

### Award Winning HyperSpike® Technology

#### Features

- 140 dB SPL peak acoustic output
- Long range: 500 m+
- Narrow acoustic beam: +/-15°
- Wide frequency range: 250 Hz - 12 kHz
- Optimized for human voice
- STI 0.85 out of 1.0
- Lightweight at 18lbs
- Rugged carbon fiber construction
- Built-in high frequency alert tone

HyperSpike® products are available from Nixalite® of America Inc

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With its unique and proprietary HyperSpike® technology, the HS-Micro is a self-contained, portable acoustic hailing device. Weighing only 18 lbs, the Micro packs a peak acoustic output of 140 dB for a communication range of 500 m (547 yards). The HS-Micro is used for long range notification, animal control, bird dispersal and more.

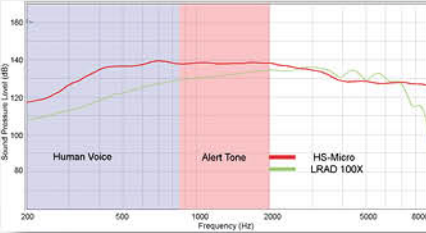
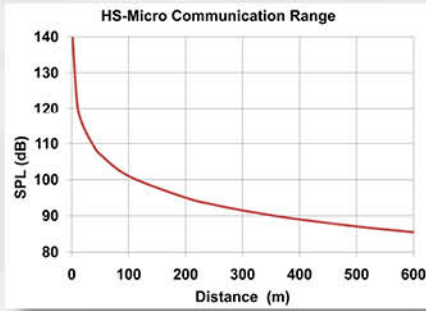
Reducing agency liability, the HS-Micro easily penetrates high background noise environments to ensure unmistakable commands and piercing alert tones are heard - loud and clear! Exceeding traditional megaphones and common hailing devices, the HS-Micro brings clear and intelligible commands and authoritative messages to the intended target with an exceptional STI rating of 0.85 out of 1.0. The STI (Speech Transmission Index) rates how clear a message is at a standardized distance.

The rugged, lightweight carbon fiber housing was designed to withstand the harsh marine environment yet provides up to eight hours of battery operation.

#### Applications

- Crowd Control
- Fire Services
- Search & Rescue
- First Responders
- Law Enforcement
- Public Safety
- Emergency/Event Control
- Maritime – RHIB
- Border & Port Protection
- Bird and wildlife dispersal
- Colleges, Universities
- High value facilities
- Keep people, animals and birds out of high security locations





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

### Ordering Information

Model No.

90077A-1102-01(110 VAC Charger)

90077A-2102-01(240 VAC Charger)

### Included with the HS-Micro

- (1) Rechargeable battery
- (1) Battery charger
- (1) Record/Play Microphone
- (1) MP3 player
- (1) Shoulder Strap

### Mission-Critical Accessories

- Spare battery - p/n DC9360 (1)
- Transit Case - p/n 92029A-1
- Tripod



### Acoustic Specifications

- Sound Pressure Level
- Usable Range
- Beam Width
- Frequency Response

- 140 dB A-weighted @ 1 m
- Up to 500 m (See graph)
- +/- 15° (30° conical @ 2 kHz /-3 dB)
- 250 Hz - 12 kHz (See graph)

### Power Requirements

- Power Input
- Compatible Batteries

- 18-36 Vdc battery
- Dewalt LiFePo4 36 Vdc p/n DC9360 or Ultralife 24 Vdc p/n UBBL09

- Battery life
- Battery charging time
- Recharges

- 8 hours intermittent use
- 1 hour, charger included
- 2000 recharges

### Physical Specifications

- Dimensions
- Weight
- Housing material
- Housing Color

- 11.3" W × 12.5" H × 16.3" L  
(28.7 cm W × 31.8 cm H × 41.3 cm L)
- 18 lbs (8.1 kg) with battery
- Carbon fiber
- Black

### Environmental<sup>B</sup>:

- High/low operating temperature
- Random vibration
- Shipboard vibration
- Shipboard shock
- SRS shock (functional)
- Rain (blowing)
- Operating humidity
- Salt fog
- Safety Standard
- EMC Standard

- MIL-STD-810F, Method 501.4 & 502.4, +50°C, -33 °C
- MIL-STD-810F, Method 514.4
- MIL-STD-167-1A
- MIL-STD-910D, Class I
- MIL-STD-810F, Method 516.5
- MIL-STD-810F, Method 506.4
- MIL-STD-810F, Method 507.4
- MIL-STD-810F, Method 509.4
- MIL-STD-1474D
- FCC Part 15 class A Radiated and Conducted Emissions

A Ambient environmental conditions  
B Designed to meet harsh, maritime environmental conditions

Ultra Electronics HyperSpike® products are available from:



## Nixalite® of America Inc

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