HS-Micro
Award Winning HyperSpike® Technology

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.
Acoustic Specifications

- **Sound Pressure Level**: 140 dB A-weighted @ 1 m
- **Usable Range**: Up to 500 m (See graph)
- **Beam Width**: +/- 15° (30° conical @ 2 kHz /-3 dB)
- **Frequency Response**: 250 Hz - 12 kHz (See graph)

Power Requirements

- **Power Input**: 18-36 Vdc battery
- **Compatible Batteries**: Dewalt LiFePo4 36 Vdc p/n DC9360 or Ultralife 24 Vdc p/n UBBL09
- **Battery life**: 8 hours intermittent use
- **Battery charging time**: 1 hour, charger included
- **Recharges**: 2000 recharges

Physical Specifications

- **Dimensions**: 11.3" W x 12.5" H x 16.3" L (28.7 cm W x 31.8 cm H x 41.3 cm L)
- **Weight**: 18 lbs (8.1 kg) with battery
- **Housing material**: Carbon fiber
- **Housing Color**: Black

Environmental

- **High/low operating temperature**: MIL-STD-810F, Method 501.4 & 502.4, +50°C, -33 °C
- **Random vibration**: MIL-STD-810F, Method 514.4
- **Shipboard vibration**: MIL-STD-167-1A
- **Shipboard shock**: MIL-STD-910D, Class I
- **SRS shock (functional)**: MIL-STD-810F, Method 516.5
- **Rain (blowing)**: 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 and Conducted Emissions

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

Ultra Electronics HyperSpike® products are available from:

**Nixalite® of America Inc**

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