

# HS-18

## Award Winning HyperSpike™ Technology

### Features

- Loud, peak acoustic output, 156 dB SPL
- Long range 2000 m+
- +/-5° narrow acoustic beam
- Optimized for human voice communication
- Pan & Tilt capable
- Completely self-contained amplifier & electronics
- Compact carbon fiber construction
- Compatible with Phraselator P2
- STI rating of 0.96

Combining Ultra's unique and proprietary HyperSpike technology with the innovative Opti-Port equipment bay, the customizable HS-18 is an ideal sound reinforcement solution. With a 156 dB of forceful acoustics, operators have the ability to issue clear, authoritative verbal commands and cut through high background noise.

Security operations are enhanced with the HS-18's first-to-market, Opti-Port equipment bay. Easily configured with an optional video camera, search light, or laser/dazzler, mission-critical sensors gives security personnel additional time and valuable information to evaluate a potential threat.

With the Opti-Port equipment bay located in the center of the HS-18, optional sensors are inherently centered in the middle of the acoustic wave, minimizing calibration and maintenance time.

With an acoustic footprint up to 2000 m+, clear, intelligible commands and authoritative messages are broadcast to intended targets with exceptional, crystal clear STI ratings of 0.96 out of 1.0.

### Applications

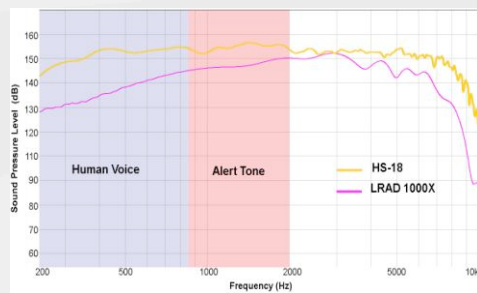
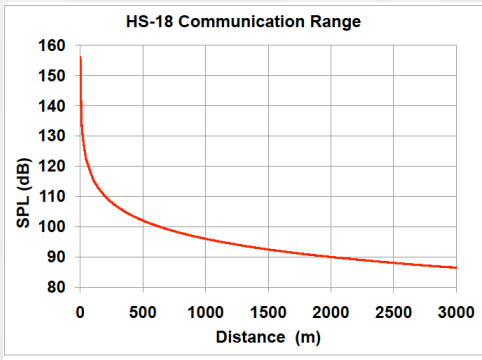
- Military Security
- Maritime & Port Security
- Perimeter Protection
- Law Enforcement
- Oil & Gas Platforms
- Airports & Runways
- Commercial Shipping
- Yacht & Cruiseline Security



Check Us Out On:



# HS-18 Specifications



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

## Acoustic Specifications:

Sound pressure level, peak 156 dB A-weighted @ 1 m  
 Usable range<sup>1</sup> Exceeds 2000 m (see graph)  
 Beam width +/- 5° (10° conical @ 2 kHz /-3 dB)  
 Frequency response 245 Hz - 10 kHz (see graph)

## Power Requirements:

Power input 100-250 VAC, 50/60 Hz  
 Current Draw (voice) 2.4 Amps, 110V, typical  
 Current Draw (alert tone) 4.0 Amps, 110V, maximum

## System Specifications<sup>2</sup>:

Dimensions - Emitter head 20.0" diameter × 18.3" depth (50.8 cm diameter × 46.5 cm depth)  
 Dimensions - Opti-Port bay 5.75" diameter x 5.5" depth (14.6 cm diameter x 14.0 cm depth)  
 Weight - Emitter 90 lbs (40.8 kg)  
 Weight - Emitter w/ saddle bracket 100 lbs (45.4 kg)  
 Housing construction Carbon fiber  
 Housing color Black

## Environmental<sup>2</sup>:

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  
 Drop survivability 36 inches  
 Safety Standard MIL-STD-1474D  
 EMC Standard FCC Part 15 class a Radiated and Conducted Emissions

## Ordering Information

Model No. 90096A-1111-04

## Included with HS-18

- Saddle Bracket
- Microphone
- MP3 player
- Hearing protection
- HS Audio Optimizer software

*Opti-Port equipment bay may be customized with optical sensors. See Accessories list or call factory.*



## Mission-Critical Accessories

- Remote Operations Controller
- Thermal Imager
- Sony Daylight Camera
- Programmable Search Light
- Laser Vision Interrupter

<sup>1</sup> Ambient Environmental **Conditions**

<sup>2</sup> Designed to meet harsh, maritime environmental conditions

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