



# EARS<sup>®</sup> SWATS<sup>®</sup>

Shoulder-Worn Acoustic Targeting System

EARS SWATS is a compact, shoulder-worn acoustic targeting system that instantly detects and locates the origin of hostile gunfire. This system provides situational awareness, protection and enhances survival to those who need to quickly locate and respond to enemy threats.

### Proven Technology

SWATS is a rugged and reliable system that's been field-proven by the U.S. Army, U.S. Marine Corps, Allied Armed Forces and national police forces around the world. It is the smallest, lightest and lowest-power gunshot detector available. With more than 19,500 units shipped to 12 nations, SWATS has been combat-tested and field-proven in Iraq, Afghanistan and in homeland security missions.

### Increases Survivability

SWATS provides timely and actionable information that enable the soldier to take cover or respond—enhancing survival. SWATS performs accurately in urban, mountainous, and open terrain and does not false alarm or respond to nearby friendly fire.

### Key Features and Benefits

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Detects, locates and displays hostile shooter location in less than 1/4 of a second

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Lightweight

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Rugged and reliable

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Accurate and effective

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Operates in challenging environments

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Visual and audible alerts

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Built-in compass and GPS

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Available for online purchase via NATO Support Agency contract for NATO nations

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Language versions available

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Enhances situational awareness

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Increases survivability

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Enhances mobility and lethality

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## EARS SWATS General Specifications

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| <b>Small, lightweight and low power</b> | <ul style="list-style-type: none"> <li>Small form factor (entire kit &lt; 500cc)</li> <li>313 grams (sensor and batteries)</li> <li>114 grams (display unit with cable)</li> <li>14-hour battery life (CR123A x2)</li> </ul>  |
| <b>Complete solution in one package</b> | <ul style="list-style-type: none"> <li>GPS/gyro/magnetic accelerometer sensors</li> <li>Chest/wrist-mounted display unit</li> <li>Built-in compass</li> <li>Spoken alert, e.g. 6 o'clock 450 meters</li> <li>Simple clock-face visual threat display</li> <li>Display-free audio-only operation</li> </ul>  |
| <b>Accurate and reliable</b>            | <ul style="list-style-type: none"> <li>95% detection rate</li> <li>+/- 7.5 degrees bearing accuracy</li> <li>10% of range accuracy</li> <li>&gt; 700 meters detection range (open terrain)</li> </ul>   |
| <b>Interoperable and flexible</b>       | <ul style="list-style-type: none"> <li>RS-232 or USB serial data interface</li> <li>Support for XML, JVMF and CoT</li> <li>Integrated with numerous SA and C4ISR systems including Land Warrior, Nett Warrior and FBCB2</li> <li>Mounting solution is compatible with rucksacks, MOLLE gear and a wide variety of equipment ensembles</li> </ul>                      |
| <b>Quality tested</b>                   | <ul style="list-style-type: none"> <li>Environmentally stress screened during assembly</li> <li>100% function checked prior to shipment</li> </ul>  |
| <b>Qualifications</b>                   | <ul style="list-style-type: none"> <li>CE: Radiated emissions and susceptibility and electrostatic discharge</li> <li>MIL-STD-810F: High and low temperature storage and operation, temperature shock, humidity, drop, shock, vibration, sand, dust, salt fog, and blowing rain</li> <li>MIL-STD-461E: Radiated and conducted emissions and susceptibility</li> </ul> |



## Collaborating with QinetiQ

At QinetiQ we bring organizations and people together to provide innovative solutions to real world problems, creating customer advantage. Working with our partners and customers, we collaborate widely, working in partnership, listening hard and thinking through what customers need. Building trusted partnerships, we are helping customers anticipate and shape future requirements, adding value and future advantage.

[www.QinetiQ.com](http://www.QinetiQ.com)

## For further information please contact:

350 Second Avenue  
Waltham, MA USA  
+1 781 684 4000  
[Survivability@US.QinetiQ.com](mailto:Survivability@US.QinetiQ.com)