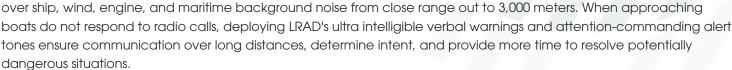# Maritime Safety

Long Range Communication Systems Enhance Safety and Security

Protecting high value assets against terrorism, piracy and other maritime security threats requires a military-tested shipboard protection system. The Long Range Acoustic Device® (LRAD®) has been successfully used to thwart maritime security threats on multiple occasions beginning with the *Seabourn Spirit* incident off the coast of Somalia in November 2005.

LRAD systems broadcast audible live or recorded warnings, commands, and notifications that are clearly heard and understood over ship, wind, engine, and maritime background noise from close range out to 3,000 meters. When approaching boats do not respond to radio calls, deploying LRAD's ultra intelligible verbal warnings and attention-commanding alert tones ensure communication over long distances, determine intent, and provide more time to resolve potentially dangerous situations.

As an essential component in all escalation of force (EOF) protocols, LRAD systems safely initiate and scale EOF, extend ship security perimeters, and demonstrate a ship's preparedness at safe distances. When properly deployed, in most confrontations, LRAD causes attackers to abort their assault and seek out less prepared targets.

LRAD provides crews and security teams more time and distance to determine the intent of potential threats not responding to radio calls and to initiate and scale EOF protocols accordingly.

The LRAD Advantage

- Clearly communicate and establish security perimeters and standoff distances from other vessels

- Initiate an effective, appropriate, and scalable response to potential vessel intrusions

- Avoid confrontations and deter unintentional intrusions into ship security zones

- Unambiguously establish intent of vessels not responding to radio calls by broadcasting audible, attention-commanding warning tones and clear voice communication in any language

- Ensure warnings, commands, and instructions are clearly heard and understood

- LRAD's 30° broadcasts direct warning tones and voice commands only to intended targets

- Choose from a range of scalable, portable systems easily mounted to existing ship infrastructure

- The only acoustic hailing device to meet stringent US Navy / US Army / JIFCO requirements

LRAD 450XL

LRAD 500X-RE

LRAD 1000Xi

LRAD 950NXT

LRAD's unmatched acoustic technology is enclosed in a rugged housing and operates reliably and effectively in the harshest maritime conditions.

Interfaces include a weatherized microphone and rugged MP3 player / controller designed for ease of use and operation.

Genasys

Global Provider of Protective Communications Solutions

Protecting people and saving lives for over 40 years, Genasys Protect covers more than 100 Million people in over 100 countries worldwide, including more than 500 U.S. cities, counties and states.

LRAD products are available for purchase through multiple channels including DLA TLS SOE, GSA Advantage, Federal and State grants, FEMA Authorized Equipment List (AEL), and others.

For more information: sales@genasys.com

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