

## Defense Vehicle & Airborne Mounted Solutions

The ability to clearly communicate provides soldiers with critical information when making decisions on escalation of force (EOF). Increasingly blurred distinctions between acts of harassment and acts of warfare require extraordinary efforts by soldiers to conduct graduated response and precise target discrimination with restrictive rules of engagement (ROE).

Bullhorns, megaphones and vehicle PA systems limit options for soldiers dealing with and communicating to civilians and non-combatants. LRAD removes these limitations by providing soldiers the ability to clearly deliver audible warnings, notifications and instructions from close range to 2000M in host nation languages. Operators can employ LRAD's warning tone to ensure attention to the voice communications that follow.

LRAD transmits messages with exceptional voice intelligibility and tonal clarity over significant ambient noise. LRAD's directionality reduces the risk of exposing nearby personnel or peripheral bystanders to elevated audio levels.

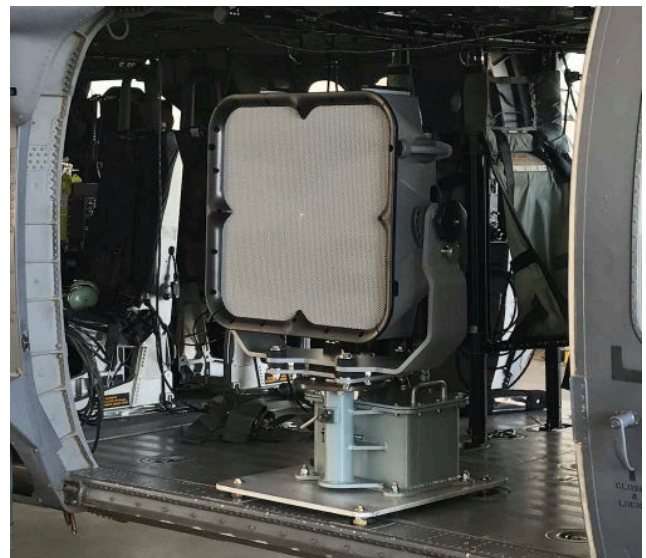
## UNMANNED REMOTE OPERATION

LRAD systems can be integrated into sensor networks that locate and track potential threats from remotely operated command and control centers. The coordinates are transmitted to UGV / UAV-mounted LRADs to provide operators precise targeting of LRAD's unique directed communications capabilities to appropriately respond to potential threats from a safe location. LRAD systems can assist security forces at control points to enforce restricted areas and provide more time and distance to accurately assess and appropriately scale EOF during threat situations. By remotely operating the IP-addressable systems, LRAD operators minimize their exposure to arms fire while deploying powerful, directed warning tones and voice messages.



## AIR-TO-GROUND COMMUNICATIONS

Helicopter mounted LRAD MMT air-to-ground communication systems are self-powered and completely autonomous from other aircraft systems. LRAD MMT systems broadcast highly intelligible voice messages and attention commanding warning tones out to 2,000 meters over wind, engine and rotor wash. Classified as a payload by the FAA, LRAD MMT systems easily mount to the cabin floor of a wide range of helicopters using cargo tie-down quick disconnect fittings. Featuring a rugged mount with a full range of pan & tilt motion and an integrated rechargeable power pack that provides 4 to 6+ hours of continuous operation, LRAD MMT systems significantly enhance the operational effectiveness of airborne defense missions and public safety operations.

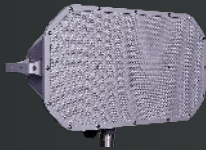


## The LRAD Advantage

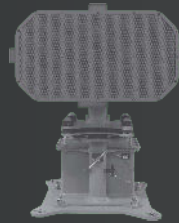
- Long-range, directional audible communications that are clearly heard and understood over background noise in most every environment
- Scalable and portable with several mounting options
- Simple to operate - Single operator use
- Broadcasts audible warning tones and live or recorded voice messages
- Establishes increased standoff distance to enhance operator safety. Provides more time and distance to assess threat situations and appropriately scale response
- Full military support and sustainment programs
- Rugged military construction - Tested and approved by ARDEC and Aberdeen Test Center
- The only acoustic hailing device to meet stringent US Navy / US Army / JIFCO requirements



**LRAD 100X**



**LRAD 450XL**



**LRAD 450XL-MMT**



**LRAD 500X-RE**



**LRAD 500X-MMT**

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](mailto:sales@genasys.com)

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