



LRAD Defense Brochure

The LRAD Advantage

LRAD adds new dimensions to voice broadcast and mass notification systems

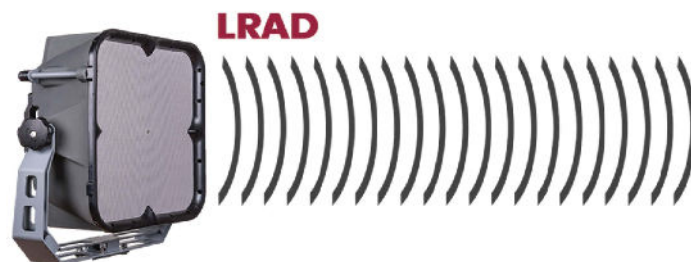
- Controlled broadcast dispersion
- Audible broadcasts feature industry-leading clarity and intelligibility
- 30° audible transmission ranges out to 3,500 meters
- 60° – 360° audible mass notification coverage over areas up to 14 km²

LRAD systems broadcast audible voice messages and warning tones with exceptional clarity over large distances to safely —

- Warn & Notify
- Direct & Command
- Establish Large Safety Zones
- Prevent Misunderstandings
- Determine Intent
- Resolve Uncertain Situations
- Alleviate The Use of Force
- Prevent Casualties & Save Lives



Essential Communication
and EOF Systems
for Military Forces



LRAD

**Focused, Clear Sound
Long Range Broadcasts
Exceptional Voice Quality**

BULLHORN



**Sound Diffuses
Limited Range**

Advanced Technology

With its full line of voice broadcast and mass notification systems, LRAD provides advanced technology solutions that are rugged, reliable and easy to operate.

Superior Intelligibility

Safely optimized to the primary range of human hearing, LRAD systems broadcast voice messages with industry-leading vocal intelligibility. LRAD's advanced driver and waveguide technology ensures voice and warning siren broadcasts cut through background noise and are clearly heard and understood.

Clear & Unambiguous Communication

By maintaining a smooth frequency response, LRAD eliminates the audio variability inherent in other voice broadcast systems by preventing fading and producing clear, unambiguous communication across all broadcast frequencies.

LRAD Provides Essential Communication and EOF Capabilities for the Army, National Guard, Marines, Air Force, Navy and Coast Guard

LRAD systems are the most thoroughly tested acoustic hailing devices available having passed 40 separate U.S. government tests, including MIL STD testing for heat, humidity and shock.



Today's military forces are required to support the full spectrum of missions. From combat and counterinsurgency to disaster response and humanitarian assistance. Regardless of the assigned mission, clear communication and scalable EOF are critical to mission success.

From close range to 3,500 meters, LRAD systems broadcast attention-commanding voice messages and warning tones with exceptional clarity to communicate and safely initiate and scale EOF.



The LRAD Advantage

Ground and Maneuver Forces



Checkpoints/Exclusion Zones



Humanitarian Missions/Disaster Response



Crowd Communication/Incident Management



Search and Rescue Operations



Firing Ranges/Mock Munitions/PSYOPS



Air-to-Ground Communication



Mass Notification/Public Address



LRAD PRODUCTS

LRAD100X

Self-contained, hand-held device for on-scene and tactical communication

Maximum Range	600 m
Peak dB	140
Continuous dB	137
Weight	6.8 kg

The LRAD 100X is 20 - 30 decibels louder than bullhorns and vehicle P.A. systems and up to 6X louder than systems of comparable size and weight. Live or recorded audible voice broadcasts are clearly heard and understood over background noise, and inside vehicles and buildings.

- » Powerful, intelligible communication out to 600m
- » Focused, directional sound pattern for targeted communication
- » Create instant acoustic standoff perimeter
- » 8-hour rechargeable battery
- » Simple operator interface
- » Water-resistant



LRAD100X MAG-HS Kit

Remotely controlled, rapidly deployable, self-contained, on-scene and tactical communication

Maximum Range	2,000 ft / 600 m
Peak dB	140
Continuous dB	137
Weight	22 lbs / 10 kg

With wireless control out to 300 meters and a high strength, easy on/off magnetic mount system, the LRAD 100X MAG-HS Kit is designed for evolving tactical situations. Up to 6X louder than systems of comparable size and weight.

- » Focused, directional sound pattern for targeted communication with unparalleled clarity
- » Create instant acoustic standoff perimeter
- » High-strength neodymium mount system
- » Wireless system batteries operate up to 8 hours
- » 8-hour rechargeable battery
- » Simple operator interface
- » Water-resistant
- » Includes shock-resistant transport case for all components



MAGNET BASE SYSTEM PROVIDES 600 LBS. OF HOLDING AND 120 LBS. OF SHEAR FORCE; ACCOMPANYING MOUNTING YOKE SECURES TO METALLIC SURFACES INCLUDING VEHICLE ROOFS.

LRAD 360XL-MID MOBILE KIT

Rapidly deployable emergency warning and mass notification system

Max. SPL @ 1 meter	133 dBA
80 dB Coverage Range	800 m
Weight	70 lbs/ 36.2 kg

Powered by LRAD XL driver technology, this lightweight emergency warning system is a completely self-contained solution for applications requiring portable advanced mass notification.

- » 360° uniform sound coverage
- » Powerful, highly intelligible voice communications over 2.0 km²
- » Complete mass notification kit (emitter head, power amplifier, control module, push-to-talk microphone)
- » Lightweight & compact form factor
- » Low power consumption for hours of continuous operation
- » Industry-leading voice clarity and intelligibility
- » Operable via satellite link with LRAD Command & Control Cabinet



The LRAD Advantage

LRAD 450XL

The industry's loudest, most intelligible AHD for its size and weight

Maximum Range	5,580 ft / 1,700 m
Peak dB	150
Continuous dB	145
Weight	37 lbs / 16.6 kg

The U.S. Army's AHD of choice, the low profile, lightweight LRAD 450XL is powered by LRAD XL driver technology. The LRAD 450XL is designed for temporary or fixed mounting on tripods, small vessels, vehicles, helicopters and remote weapon stations.

- » Powerful, intelligible communication out to 1,700m
- » Voice Boost for extended coverage
- » Safely communicate beyond standoff distances to determine intent
- » Clear, long-range directional communication
- » All-weather use
- » Creates instant acoustic standoff perimeter
- » Simple operator interface, lightweight and portable



LRAD 500X-RE

Compact long range communication system for mid-sized vehicles, vessels, helicopters & fixed installations

Maximum Range	2,000 m
Peak dB	154
Continuous dB	149
Weight	44 lbs / 20 kg

Designed for mid-sized vessels and vehicles and easily transported, the LRAD 500X provides highly effective communication and scalable EOF capabilities for public safety, defense, maritime and homeland security applications.

- » Powerful, intelligible communication out to 2,000 meters
- » Voice Boost for extended coverage
- » Creates instant acoustic standoff perimeter
- » Rugged, military tested construction
- » All-weather use
- » Lightweight and portable
- » Low power requirements: 60W w/voice, 260W w/ tone
- » Simple operator interface



LRAD 500X-MMT

Helicopter mounted, air-to-ground communication system featuring rugged mount with full pan and tilt range of motion

Maximum Range	2,000 m
Peak dB	154
Continuous dB	149
Weight	180 lbs / 68 kg

Self-contained, self-powered, temporarily mounted and quickly removed following mission completion, the LRAD 500X-MMT featured a rechargeable power pack for operation inside most helicopters. The 12-jaw cargo tie down quick disconnect adapters accommodate a variety of helicopter cabin floor mounting options.

- » Powerful, intelligible communication out to 2,000m
- » Quickly installed and removed from helicopter
- » Self-powered for 6+ hours of continuous operation when fully charged
- » Supplemental type certificates not required
- » Simple operator interface



LRAD ACCESSORIES

LRAD Wireless System

REMOTE LRAD OPERATION OUT TO 300 METERS



- Wireless control for LRAD 100X, LRAD 450XL, and all manually operated systems
- Runs up to 16 LRAD systems simultaneously
- UHF synthesized frequencies for up to 188 frequencies
- Operates up to 8 hours on two AA alkaline batteries
- Integrated push to talk (PTT) button and large volume control knob allow for simple one-handed operation

LRAD Portable 24V Power Pack

INSTANT POWER ANYTIME, ANYWHERE



- Powers LRAD 450XL and LRAD 500X
- Powered by leak-proof Absorbed Glass Mat (AGM) batteries
- Marine grade, electronically controlled battery charger
- Integrated battery level display
- 21 amp hour / 24 VDC
- Up to 10 hours of continuous operation



LRAD Tripod



- Mounts LRAD 100X, LRAD 300X, LRAD 360XL-MID MOBILE KIT, LRAD 450XL, LRAD 500X, LRAD 1000XI
- Quickly mount and dismount LRAD systems
- Rugged, medium duty construction
- Optional wheeled hard case for storage and transport

LRAD®

The Global Leader In
Long Range Voice Broadcast and
Advanced Mass Notification Systems

360XT-MIL

FULLY SELF-CONTAINED MOBILE MASS NOTIFICATION SYSTEM
Featuring industry-leading area coverage and vocal clarity

Max. SPL @ 1 meter	135 dBA
80 dB Coverage Range	2600 ft / 800m
Weight	4400 lbs / 1996 kg



Genasys - The Leader in Protective Communications

Genasys Protective Communications Solutions have a diverse range of applications, including predictive simulation to anticipate and understand the potential impact of emerging crises; emergency warning and mass notification for public safety; critical event management for commercial enterprises and government agencies; de-escalation for defense and law enforcement; as well as automatic detection of real-time threats.

For more information, visit [genasys.com](https://www.genasys.com)



DLA TLS SOE



GSA Advantage!



FEMA

Genasys 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. More information: sales@genasys.com

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