



Law Enforcement's
Communication
Systems of Choice

Overview & Product Guide



LRAD® adds new dimensions to voice broadcast and public safety notification systems

- Audible voice broadcasts featuring industry-leading clarity and intelligibility
- Broadcasts clearly heard and understood inside vehicles and buildings
- 30° – focused voice and alert tone broadcast ranges out to 2,000 meters
- 60° – 360° voice and alert tone public safety 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
- » Save lives

Law Enforcement's Communication Systems of Choice



LRAD is fundamentally changing the way law enforcement agencies conduct everyday duties and elevated risk operations

Broadcasting highly intelligible voice communications and attention-commanding alert tones, LRAD systems ensure law enforcement's warnings, commands and notifications are clearly heard and understood in every operational situation. Rugged, reliable, and easy to operate, LRAD safeguards the public, protects police officers, resolves uncertain situations, and saves lives.

Advanced Technology

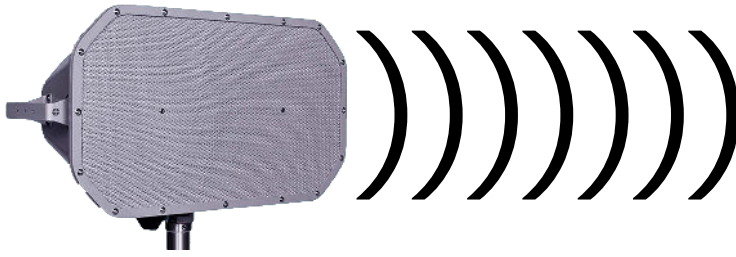
LRAD's advanced driver and waveguide technology ensures voice and alert tone broadcasts cut through background noise and are clearly heard and understood, even inside vehicles and buildings.

Superior Intelligibility

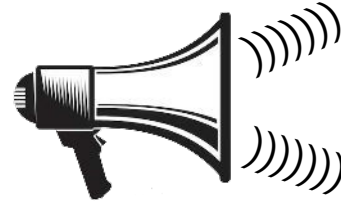
Safely optimized to the primary range of human hearing, LRAD systems broadcast voice messages with industry-leading vocal clarity and intelligibility.

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.



Focused, Clear Sound
Long Distance Communication
Exceptional Voice Quality



Sound Diffuses
Limited Range
Poor Voice Quality

LRAD Voice Broadcast Systems are Louder and Significantly More Intelligible than Bullhorns and Patrol Car P.A. Systems

Protecting Officers

"We have the opportunity to work with several other agencies in the valley, and when they hear our LRAD everyone asks about it. I overheard one of our senior operators say 'It's the best thing we have ever bought for the team.'"

— Officer Jeff Weiner, Henderson, NV PD

Safeguarding the Public

"LRAD is a game changer for communication between the police and the public. If we can effectively communicate...we reduce the chances of anybody getting hurt."

— Sgt. J.E. Armstrong, Greensboro, NC PD

LRAD systems eliminate confusion and establish greater standoff distance between police officers and potentially dangerous situations.



LRAD systems provide law enforcement with a safer, more effective alternative than non-lethals to initiate and scale EOF.

Law enforcement and public safety agencies in more than 500 U.S. cities and counties use LRAD systems and support equipment during daily duties and elevated risk operations.

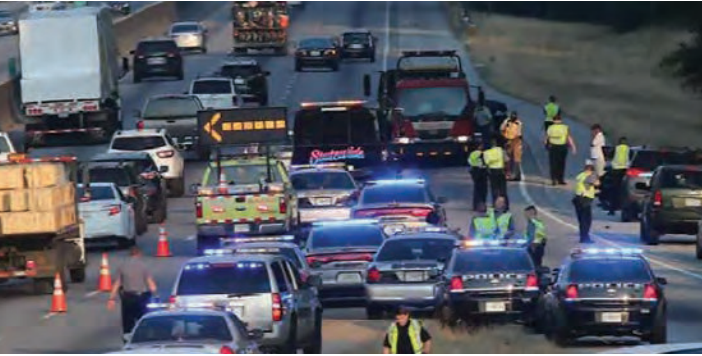


"LRAD is a game changer for communication."



LRAD Law Enforcement & Public Safety Applications

Traffic Control



Event & Crowd Communication



Firing Range Communication



Incident Management



SWAT Operations



Barricaded Subjects



Serving High-Risk Warrants



Hostage Negotiations





LRAD Law Enforcement & Public Safety Applications

Active Shooter Situations



Protests & Riots



Establishing & Enforcing Standoff Zones



Large Crowd Celebrations



Evacuation / Shelter-in-Place Notifications



Search & Rescue Operations



Air-to-Ground Communication



Force Multiplier





LRAD 100X

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

Maximum Range	2,000 ft / 600 m
Peak dB	140
Continuous dB	137
Weight	15 lbs / 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



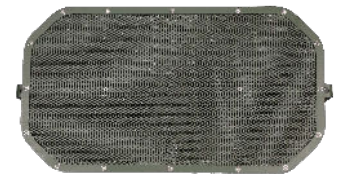
LRAD 450XL RT

Digital Control for local and remote operation

Maximum Range	5,580 ft / 1,700 m
Peak dB	150
Continuous dB	146
Weight	37 lbs / 16.6 kg

Low profile, lightweight and designed for temporary or fixed mounting on tripods, small vessels, vehicles, and helicopters, the 450XL RT uses LRAD's patented XL driver technology to generate the audio output of devices almost twice its size and weight.

- » 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 RT

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

Maximum Range	6,560 ft / 2,000 m
Peak dB	154
Continuous dB	149
Weight	44 lbs / 20 kg

Easily transported, the 500X RT provides highly effective communication and scalable EOF capabilities for public safety and law enforcement 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 RT MMT

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

Maximum Range	6,560 ft / 2,000 m
Peak dB	154
Continuous dB	149
Weight	150 lbs / 68 kg

Self-contained, self-powered, temporarily mounted and quickly removed following mission completion, the 500X RT MMT features 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
- » Air certified by the Air National Guard



60XL MOBILE RANGE SYSTEM

Available in either one or two-horn configurations to provide several hours of continuous mass notification in any location

Max. SPL @ 1 meter	139 dBA
74 dB Coverage Range	3,000 ft / 900m
Weight	59 lbs / 27 kg

The 60XL Mobile Range System delivers clear voice communications over large areas from a small, portable form factor. Quick and easy to set up and take down, the kit is configurable to meet local incident management and mass notification needs.

- » Fully self-contained mass notification system
- » Industry-leading vocal intelligibility
- » Rugged construction for use in all weather conditions
- » Lightweight and easy to operate
- » Portable and versatile
- » Live or recorded voice messages
- » Self-contained battery/amplifier pack powers several hours of continuous voice broadcast
- » Pelican™ protective cases included



360XL-MID MOBILE KIT

Rapidly deployable emergency warning and mass notification system

Max. SPL @ 1 meter	133 dBA
70 dB Coverage Range	4,626 ft / 1410m
Weight	80 lbs / 36.2 kg

Powered by Genasys 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 Genasys Command & Control Cabinet





- Exceptional Voice Clarity
- Communicate from Close Range to 2000 Meters
- Establish Large Standoff Zones
- Ensure Warnings, Commands and Notifications are Clearly Heard & Understood
- Safe, Effective Alert Tones
- Alleviate the Use of Force
- Save Lives



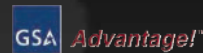
LRAD 100X MAG-HS Kit



Procure the LRADs Your Department Needs with Our COMPLIMENTARY Federal Grant Application Service

At no cost to your department, Genasys' Federal Grants specialist will assist in completing any documentation that is required. Contact Amanda Wood at awood@bplegal.com to start an LRAD grant application.

AVAILABLE THROUGH



Genasys - The Leader in Protective Communications

Genasys is the global leader in Protective Communications systems and solutions that are designed around one premise: ensuring organizations and public safety agencies are *Ready when it matters*[®]. Protecting people and saving lives for over 40 years, Genasys Protect covers more than 155 million people in all 50 states and in over 100 countries worldwide

For more information, visit genasys.com.