



# Public Safety

**LRAD emergency alerts, warnings and notifications keep people safe and informed during disasters and other crises**

**LRAD** is the Communication System of Choice for Public Safety.

When first responders and public safety personnel need to **communicate critical information** to people in danger, they use LRAD systems to broadcast audible voice messages with exceptional clarity, over background noise, and into vehicles and buildings.

Mobile LRAD systems are being used by public safety agencies around the world to **ensure emergency alerts, warnings, and notifications** containing potentially lifesaving information **are clearly heard and understood** by people in harm's way.



## 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.

## Variable Broadcast Range

LRAD's easy-to-use audio level control enables operators to quickly change the systems' broadcast distance from close range out to several hundred meters.

## Superior Voice Intelligibility

LRAD systems broadcast live or recorded voice messages with the highest Speech Transmission Index (STI) in the mass notification industry.

## Mobile, Rapid Response

Temporarily or permanently mounted on vehicles, boats or helicopters, Genasys offers LRAD magnetic, vacuum, tripod, and other mounting options.

## Clear 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.

## Robust and Durable

All LRAD systems feature rugged construction and military standard environmental performance. LRAD systems are operating throughout the world in all types of weather and climates.

## Focused, Audible Broadcasts

Alert and notify only the people in danger. LRAD's proprietary audio technology focuses sound in a 30° beam while substantially reducing sound levels behind the device and in surrounding areas.

## Safe Communication

Safely optimized to the primary range of human hearing, LRAD systems broadcast live or recorded alerts, warnings, notifications, and information that protect people and save lives.

*"If we're using a bullhorn, we can't with any degree of certainty state that everybody has heard us or understood us. LRAD is a highly effective long-range communications system used to clearly broadcast critical information, instructions and warnings."*

- **Jeff Greenwalt, Assistant Chief, Austin, Texas Police Department**



## How LRAD Works

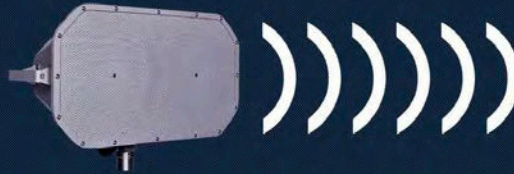
LRAD systems focus sound in a 30° beam to broadcast live or recorded voice messages and attention-commanding ALERT tones with exceptional clarity from close range out to 5,500 meters

- Audible, focused, clear sound
- Long-range broadcasts
- Industry-leading vocal clarity



Conventional loudspeakers disperse sound in all directions

LRAD



LRAD's proprietary audio technology focuses sound in front and significantly reduces audio levels behind the device and in surrounding areas



Bullhorns and PA systems have limited broadcast range and poor voice intelligibility

## LRAD 100X

The world's leading portable acoustic hailing device, the **LRAD 100X** is 20 - 30 dB louder than most bullhorns and portable P.A. systems and broadcasts voice communications from close range out to 750 meters. Live or recorded broadcasts from the portable LRAD 100X are clearly heard and understood over wind, engine, and other background noise in any type of terrain or environment.



## LRAD 450XL

Utilizing technology developed and patented by **Genasys**, the **LRAD 450XL** delivers the audio output of acoustic devices almost twice its size and weight. Lightweight and designed for use on tripods or mounted on vehicles, vessels and helicopters, the LRAD 450XL broadcasts live or recorded audible voice messages that can be clearly heard and understood over background noise at distances up to 1700 meters.



## 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.

**REQUEST A DEMO**

