

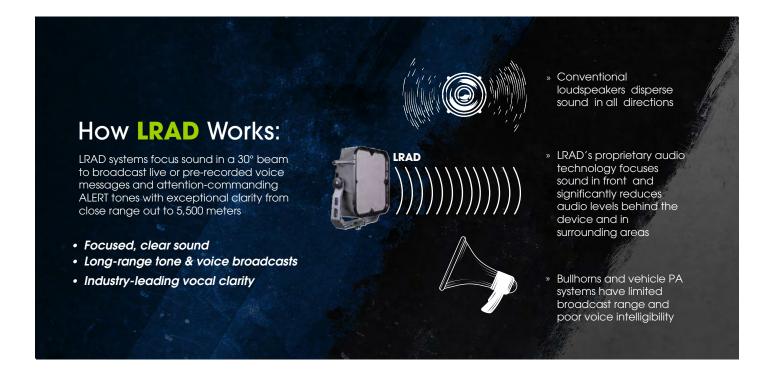
LRAD / PRODUCT CATALOG - 2025

LRADby Genasys

OVERVIEW & PRODUCT GUIDE

GENASYS.COM

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 5,500 meters
- 60° 360° audible mass notification coverage over areas out to 14 km2

LRAD systems broadcast audible voice messages and alert tones with exceptional clarity over great distances

- · Warn, Notify & Instruct
- · Determine Intent
- · Resolve Uncertain Situations
- Establish Large Safety Zones
- · Minimize the Use of Force
- · Save Lives



Advanced Technology

With its full line of portable, fixed, and vehiclemounted systems, Genasys provides advanced technology solutions that are rugged, reliable, and easy to operate.

Superior Intelligibility

Genasys' advanced XL™ Driver and Waveguide technology ensures voice and alert tones cut through significant levels of background noise

Clear & Unambiguous Communication

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

LRAD systems are safely optimized to the primary human hearing range of 1 – 5 kHz to generate voice messages with exceptional clarity from close range out to 5,500 meters.

LRAD systems are in service in a range of diverse applications in more than 100 countries and 550 U.S. cities



DEFENSE

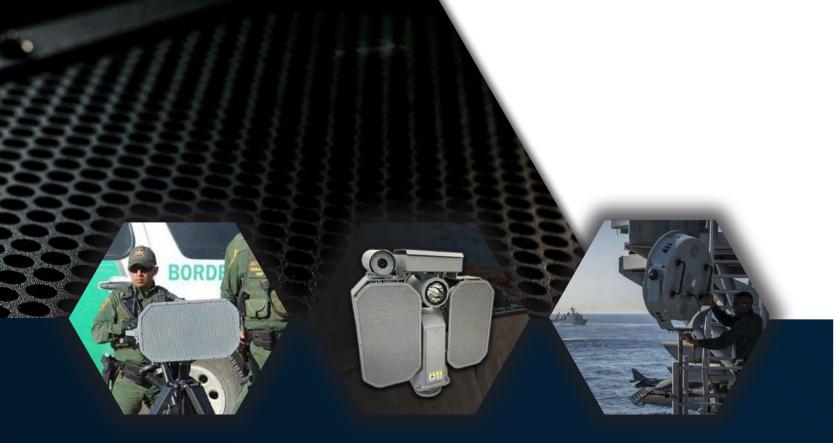
Today's military forces are required to support the full spectrum of missions from combat and counterinsurgency to disaster response and humanitarian assistance. Regardless of the assigned mission, clear communication and scalable escalation of force (EOF) are critical to success. LRAD systems are deployed by all U.S. military branches and by international defense forces throughout the world.

LAW ENFORCEMENT

LRAD is fundamentally changing the way law enforcement agencies conduct everyday duties and elevated risk operations. 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 resolves uncertain situations, safeguards the public and protects police officers.

FIRE & RESCUE

When Fire & Rescue teams need to communicate critical information to individuals or groups in harm's way, LRAD systems broadcast real-time messages with exceptional vocal clarity from close range to several hundred meters. LRAD alert tones and voice broadcasts can be clearly heard and understood inside buildings and vehicles.



HOMELAND & BORDER SECURITY

Security measures that enhance public safety are top priorities in today's escalated threat environment. In any operational scenario, the products and systems that homeland security agencies use must be versatile, rugged, easy to operate and cost effective. LRAD turns passive surveillance systems into first responders by broadcasting critical information, instructions and warnings from close range out to 5,500 meters.

CRITICAL INFRASTRUCTURE

Throughout the world, LRAD systems are enhancing security at power plants, dams, embassies, government facilities, water treatment plants and other critical infrastructure. Unlike traditional surveillance systems, LRAD systems provide a vital first response capability missing from observe-only integrated security installations. LRAD turns passive surveillance systems into first responders by broadcasting critical information, instructions and warning.

MARITIME SAFETY

In response to the deadly October 2000 attack on the USS Cole, Genasys created the acoustic hailing device market by developing and launching its proprietary LRAD technology and systems. LRAD extends a ship's security perimeter and provides the crew with a critical self-defense capability.

LRAD 100X

Lightweight, Portable, Long Range Communication









LRAD 100X

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.

SPECS

Max Range	2,200ft / 600m
Peak dB	140
Continuous dB	137
Weight	15lbs / 6.8kg

100X-BLK	LRAD 100X battery powered portable long range communication system

LRAD 450XL

The Loudest, Longest Range Midsize Acoustic Hailing Device







LRAD 100X & 450XL are the Long Range Communication Systems of Choice for Defense and Law Enforcement

LRAD 450XL

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



450XL-RT remote operation input

SPECS

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

450XL-GRY 450XL-TAN 450XL-BLK 450XL-GRN	LRAD 450XL manually operated, long range communication system with dash mounted MP3 control module
450XL-RT-	Remote operation. Same specs & color options



LRAD 100X MAG SYSTEM

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.

SPECS

Max Range	2,200ft / 600m
Peak DB	140
Continuous DB	137
Weight	15lbs / 6.8kg

ORDERING INFO

100X-BLK-MAG	LRAD 100X base system with additional magnetic base and yoke to secure the LRAD to metallic surfaces, like vehicle roofs
100X-BLK-MAG -SYS	LRAD 100X base system with additional magnetic base, yoke, and wireless kit for remote operation out to 200 m



LRAD 450XL MMT

Low profile and designed for temporary or fixed mounting on most helicopters, the LRAD 450XL-MMT features an adjustable mount with an integrated rechargeable power pack for full positioning and operation of the advanced air-to-ground communication system.

SPECS

Max Range	5,580ft / 1,700m
Peak DB	150
Continuous DB	145
Weight	168lbs / 76kg

450XL-MMT- G-HH60	LRAD 450XL with HH-60 helicopter mount
450XL-MMT- G-UH1	LRAD 450XL with UH-1 helicopter mount



LRAD 500X-RE

Easily transported, the LRAD 500X-RE provides highly effective communication and scalable EOF capabilities for public safety, defense, maritime and homeland security applications.

SPECS

Max Range	6,562ft / 2,000m
Peak DB	154
Continuous DB	149
Weight	44lbs / 29kg

ORDERING INFO

500X-RE-BLK 500X-RE-GRN 500X-RE-GRY 500X-RE-TAN	LRAD-500X-RE remote electronics, long range communication system with dash mounted MP3 control module. Color options black, green, gray, tan.
500X-RT	Remote operation. Same specs & color options





LRAD 500X-MMT

Features a rechargeable power pack for operation inside most helicopters. The 12-jaw cargo tie down accommodates a variety of helicopter cabin floors.

SPECS

Weight 44lbs / 29kg

ORDERING INFO

500X-MMT-GRY-HH60	LRAD 500X with HH-60 helicopter mount
500X-MMT-GRY-UH-1	LRAD 500X with UH-1 helicopter mount





60XL Mobile Range System

The 60XL Mobile Range System incorporates highly intelligible, focused sound in a small, portable form factor. The horn's 60° audio dispersion pattern safely broadcasts instructions and warnings over significant levels of background noise. The self-contained amplifier pack is easily transported and set up to provide several hours of continuous mass notification.

SPECS

Max Range	2,953ft / 900m
Peak DB	142
Continuous DB	139
Weight	24.6lbs / 11.16kg

RANGE-1	Single Horn: 60XL Mobile Range System
RANGE-2	Dual Horn: 60XL Mobile Range System

LRAD Systems

Communicate even further with our longest range systems



LRAD 950NXT

Utilizing technology developed and patented* by Genasys Inc., the LRAD 950NXT's ability to identify and interact with targets from a distance provides security personnel the additional time and information necessary to accurately assess situations and appropriately scale responses.

Because of its automated capabilities, the LRAD 950NXT reduces manpower and false alarms, resolves uncertain situations, and provides a highly effective, cost efficient security solution.

SPECS

Max Range	9,843ft / 3,000m
Peak DB	155
Continuous DB	151
Weight	208lbs / 94.3kg

ORDERING INFO

950NXT-GRY	Gray LRAD 950NXT communication system with XL Drivers, HD Camera, and pan & tilt capabilities.
950NXT-SWH	Signal white LRAD 950NXT communication system with XL Drivers, HD Camera, and pan & tilt capabilities.



LRAD 1000Xi

Designed for deployment on larger vehicles and vessels, the LRAD 1000Xi is a powerful hailer for defense, homeland, maritime and critical infrastructure security applications.

SPECS

Max Range	9,843ft / 3,000m
Peak DB	159
Continuous DB	153
Weight	87lbs / 39.4kg

ORDERING INFO

	1000XI-GRY	LRAD 1000Xi with integrated amplifier, control unit, cables & microphone
- 11		a morophono



LRAD 1950XL

The LRAD 1950XL broadcasts audible hails, warnings and voice communications far beyond normal standoff distances, and safely initiates and scales EOF.

SPECS

Max Range	16,404ft / 5,000m
Peak DB	160
Continuous DB	155
Weight	90lbs / 41kg

ORDERING INFO



LRAD 2000X

The superior voice intelligibility and clarity of the LRAD 2000X generates directional audio broadcasts far beyond normal standoff distances.

SPECS

Max Range	18,045ft / 5,500m
Peak DB	168
Continuous DB	160
Weight	81lbs / 37kg

ORDERING INFO

2000X-GRY	LRAD 2000X long range communications system with heavy duty tripod &
	remote amplifier
	2000X-GRY



LRAD Mobile Sound Shield

The Mobile Sound Shield broadcasts powerful warning tones and highly intelligible voice commands in a full 360° radius up to 100 meters.

SPECS

Max Range	328ft / 100m
Peak DB	121
Continuous DB	105
Weight (Emitter)	13.6lbs / 6.2kg

FKIT-05	Mobile sound shield kit with emitter, amp pack, dash-mounted control unit, and cables
---------	--

LRAD ACCESSORIES

Enhancements & Upgrades



VAC MOUNT

The VAC mount is equipped with mounting fasteners to secure the mount in position. Each mounting fastener has a capacity of 40 lbs of upward force to ensure the VAC Mount will remain secure even when positioned upside down or on a moving vehicle.

ORDERING INFO

100X-MNT-VAC	LRAD 100X VAC Mount
450XL-MNT-VAC	LRAD 450XL/300X VAC Mount
FKIT-05-1	Mobile Sound Shield VAC Mount*



LRAD TRIPOD

Military grade tripod and hard storage case.



LRAD WIRELESS SYSTEM

Wireless control for LRAD 100X, LRAD 450XL, and all manually operated systems. Runs up to 16 LRAD systems simultaneously.

ORDERING INFO

1	TRIPOD-SYS	LRAD Tripod
П		
-		

ORDERING INFO

WIRELESS-CU-CH14	Wireless System - US & Canada
WIRELESS-CU-RES	Wireless System - International (Radio not included
	(Radio not included





HD ACTION CAMERA

The HD Action Camera provides video and audio recording capability for all LRAD systems.

ORDERING INFO

100X-GOPRO	LRAD 100X HD Action Camera
450XL-GOPRO	LRAD 450XL HD Action Camera



LRAD POWER PACK

The Power Pack allows users to power units without being tethered to an outlet, resulting in greater deployment flexibility.

ORDERING INFO

24V-PACK	Power Pack with Charger, 24 VDC, 21 AH, Type B Power Plug (USA, Canada, Japan, etc.)
24V-PACK-EU01	Power Pack with Charger, 24 VDC, 21 AH, Type E/F Power Plug (France, Belgium, Poland, etc.)
24V-PACK-UK	Power Pack with Charger, 24 VDC, 21 AH, Type G Power Plug (UK, Singapore, Hong Kong, etc)



28V, 500W POWER SUPPLY

The 24-volt DC Power Pack provides up to 5 hours of continuous use for LRAD 450XL and 500X systems.

28V-PS	Kit, Power Supply, 28 VDC Out, 500 W, SS, Type B Power Plug (USA, Canada, Japan, etc.)
28V-PS-EU01	Kit, Power Supply, 28 VDC Out, 500 W, SS, Type E/F Power Plug (France, Belgium, Poland, etc.)
28V-PS-UK01	Kit, Power Supply, 28 VDC Out, 500 W, SS, Type G Power Plug (UK, Singapore, Hong Kong, etc.)

PRODUCT COMPARISON

Communication ranges, audio output, and power requirements.



LRAD 100X

Battery

|--|

LRAD 100X

MAG System



LRAD 450XL

150

145



LRAD 450XL

MMT





LRAD	500	X-RE

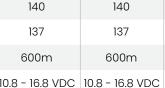
LRAD 500X-RE 154

149

2000m

Max dB	140	140
Continuous dB	137	137
Max Range	600m	600m
Power	10.8 - 16.8 VDC Rechargeable	10.8 - 16.8 VDC Rechargeable

140	
137	
600m	



Battery

1700m 12 - 28 VDC

1700m 12 - 28 VDC

150

145

2000m 12 - 28 VDC 100 - 220 VAC

154

149

12 - 28 VDC













LRAD 950NXT

Max dB	lbb
Continuous dB	151
Max Range	3000m
Power	48 VDC (+/_3%) at 35 amps



LRAD 1000Xi **LRAD 1950XL** 159 160

LRAD 2000X

DS 60XL Mobile Range System 142

2x 160 W

Sound Shield

121





153



155

168 160 5500m 90-260 VAC 50/60 Hz

139 900m

105 100m

2x (30v/ 15 V

288 Wh)



16262 W Bernardo Dr. San Diego, CA, 92127 858 676 1112 info@genasys.com www.genasys.com



Tulle

in

@genasysinc facebook.com/genasysinc/ youtube.comchannel/UCI21-WFohP2F2DKU2-elx7A linkedin.com/company/genasys-inc





© 2025 Genasys Inc.