



### OPERATING INFORMATION

LRAD-1950XL-G	LRAD 1950XL extended range communication system
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### INCLUDED ACCESSORIES

Control Module	Remote MP3 control module
Record on the Fly Mic	Microphone with record and playback feature for immediate playback
Auxiliary Cable	Allows connection to any audio device with a headphone jack
USB Cable	USB cable for downloading files to the MP3 player
Normalizer Software	Normalizer software for creating customized audio recordings on a PC
Tripod (Optional)	Rugged, easily transportable aluminum tripod that sets up quickly for rapid deployment

### DIRECTIONALITY, POWER, & RANGE

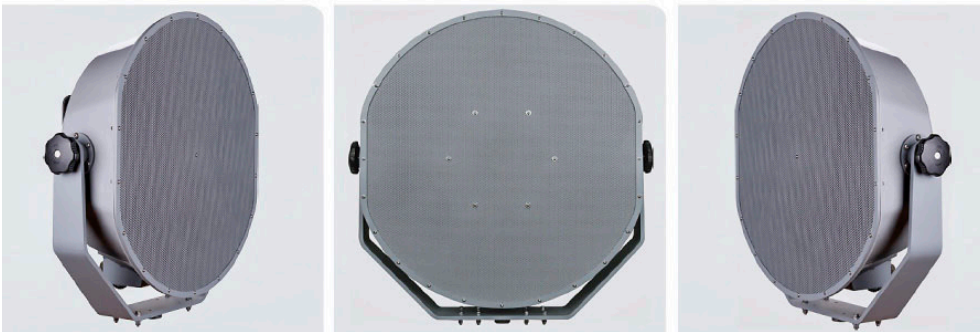
- › Powerful, intelligible communication up to 5,000 meters
- › Safely communicate beyond extended standoff distances to determine intent
- › Clear, long-range, directional communication
- › Instantly establish an acoustic standoff perimeter

### FEATURES

- › Rugged, military tested construction
- › Low Power requirements
- › All weather use
- › Simple to operate
- › Increased security coverage
- › Increased operational efficiency
- › Increased response capabilities
- › Safer alternative than non-lethal deterrents

### Markets Served

- › Defense
- › Commercial Security
- › Critical Infrastructure Security
- › Maritime
- › Homeland Security
- › Port & Border Security
- › Emergency Warning
- › Mass Communication



# LRAD 1950XL

## Extended Range Communication System

### COMMUNICATION, SECURITY AND RESPONSE FOR BORDERS, PORTS, VESSELS AND CRITICAL INFRASTRUCTURE

Utilizing technology developed and patented\* by Genasys Inc., the LRAD 1950XL broadcasts hails, warnings, and voice communications far beyond normal standoff distances with exceptional vocal intelligibility. The enhanced Genasys XL driver technology generates higher audio output in a smaller and lighter form factor.

The LRAD 1950XL issues clear, authoritative warnings, verbal commands, and attention-grabbing deterrent tones to initiate and scale the escalation of force and enhance response capabilities.

The optimized frequency range and advanced technology of the LRAD 1950XL ensure voice messages are clearly heard and understood in any language over distances up to 5,000 meters.

\*U.S. Patent No. 9,693,148

### ACOUSTIC PERFORMANCE

Maximum Peak Output	160 dB SPL @ 1 meter, C-weighted
Maximum Continuous Output	155 dB SPL @ 1 meter, A-weighted
Sound Projection	+/- 15° @ 1 kHz / -3 dB
Communication Ranges	Highly intelligible voice messages over distances up to 5,000 meters in ideal conditions. Operational range up to 1,600 meters over 88 dB of background noise. Ranges based on continuous output.

### ENVIRONMENTAL PERFORMANCE

Cold/Hot Operating Temperature	MIL-STD-810G, Method 501.5 & 502.5, Procedure II, -33° to 55° C
Cold/Hot Storage Temperature	MIL-STD-810G, Method 501.5 & 502.5, Procedure I, -40° to 70° C
Operating Humidity	MIL-STD-810G, Method 507.5, Procedure II, Aggravated Cycle
Rain	MIL-STD-810G, Method 506.5, Procedure I, Blowing Rain
Salt Fog	MIL-STD-810G, Method 509.5
Shipboard Vibration	MIL-STD-167-1A
Shipboard Shock	MIL-S-901D, Class I, Shock grade B
SRS Shock	MIL-STD-810G, Method 516.6, Procedure I, Functional shock

### MECHANICAL SPECIFICATIONS

Dimensions	36" H x 39" W x 12" D (91 cm x 99 cm x 31 cm)
Weight	90 lbs. (41 kg) Head Unit
Construction	Molded low smoke composite, 6061 aluminum, 316 stainless hardware
Electronics Housing	9" H x 22" W x 15" D (23 cm x 56 cm x 38 cm) water resistant case

### ELECTRICAL REQUIREMENTS

Power Consumption	Peak power consumption: 1120 Watts
Power Input	90-260 VAC 50/60 Hz
Electromagnetic Compatibility (EMC)	FCC Part 15 class A radiated emissions, CE



### Genasys - The Critical Communications Company

Genasys is a global provider of critical communications systems and solutions to help keep people safe. Genasys systems are in service in 72 countries and in more than 450 U.S. cities in diverse applications, including public safety, emergency warning, mass notification, critical event management, defense, law enforcement, homeland security and many more.

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