



## Strong, Loud and Clear with LRAD 1000Xi™

### The LRAD-X Advantage

#### Proven Performance

- Military & Sustainment Program Support
- Domestic & International Relief Assistance
- Meets Stringent U.S. Navy/U.S. Army Requirements
- U.S. Navy Tested & Approved
- Available on GSA

#### Directionality, Output & Range

- Determine the Intent of a Threat at an Extended Range
- Variable Beam Width for Extended Coverage
- Clear, Long-Range Directional Communication

#### Features

- Rugged Military Tested Construction
- Low Power Requirements
- All-Weather Use
- Flexible Mounting, Simple to Operate
- Safe Alternative to Non-Lethal Deterrent Options

#### Cost Effective

- Increased Coverage with Single Operator
- Improved Response Times
- Improved Coordination Efforts

The LRAD 1000Xi provides long distance hailing and warning and highly intelligible voice communication.

The superior voice intelligibility and clarity of LRAD 1000Xi provides a directional audio broadcast that can safely communicate with high intelligibility far beyond stand off distances. LRAD-X™ operators have the ability to issue clear, authoritative verbal commands, followed with powerful deterrent tones to enhance response capabilities. The extended frequency range of the LRAD-X ensures voice commands will be clearly understood at distances up to 3,000 meters.

The self-contained LRAD 1000Xi systems feature rugged carbon fiber emitter heads with integrated electronics and amplification. These new systems include easily adaptable control interfaces enabling personnel to install and cable Xi control panels to nearby and remote command/control centers.



# LRAD-1000Xi<sup>i</sup>



## ACOUSTIC PERFORMANCE

Maximum Continuous Output Sound Projection	153dB SPL @ 1 meter, A-weighted +/- 15° at 1.0 kHz/-3dB
Communications Range	Highly intelligible speech transmissions over 3,000 meters <sup>1</sup>

## ENVIRONMENTAL & DURABILITY

MIL-STD-810G <sup>2</sup>	Hot/cold operating, hot/cold storage, blowing rain, saltfog SRS shock, operating humidity
MIL-STD-167-1A <sup>2</sup>	Shipboard Vibration
MIL-S-901D <sup>2</sup>	Shipboard Shock, Class I, Shock grade B
Construction	Carbon fiber; 6061 Aluminum Stainless steel, 316 Stainless hardware

## DIMENSIONS & WEIGHT

Emitter Array Weight <sup>3</sup>	87 lbs
Emitter Array Dimension	36" W x 40" H x 13" D
Electronics Module Dimension	11.0"W x 5.5"H x 2.0"D
Electronics Housing	Watertight molded case

## ELECTRICAL REQUIREMENTS

Typical Power Consumption	High power Warning Tone: 720 Watts Recorded or live voice messages: 190 Watts
Power Input	100-240VAC

## SAFETY

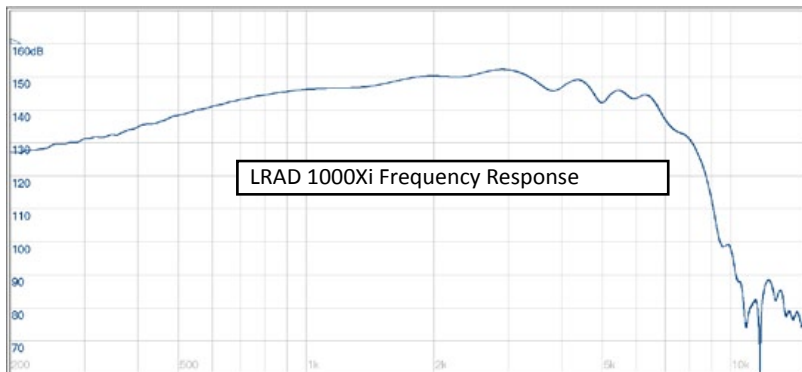
Standard	MIL-STD-1474D <sup>4</sup>
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## ELECTROMAGNETIC COMPATIBILITY (EMC)

FCC Part 15 class A radiated emissions

## ORDERING INFORMATION

Integrated electronics, carbon fiber, gray	LRAD-1000XI-G-SYS
Integrated electronics, carbon fiber, gray, 100ft cord	LRAD-1000XI-G-SYS-100



LRAD 1000Xi Frequency Response

## Options & Accessories

LRAD 1000Xi systems can be integrated with a variety of accessories for custom security solutions

### MP3 PLAYER / CONTROL MODULE



LRAD 1000Xi systems come with a control module which can be operated from up to 100 feet away providing all the controls necessary to operate the system.

### MICROPHONE



The Shure Model 577B Microphone is a handheld dynamic microphone designed for communications that require highly intelligible, low noise output. Included.

### MAXA BEAM

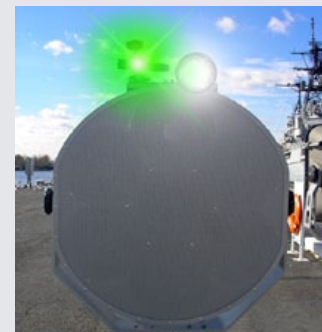


The Maxa Beam searchlight delivers 12 million candlepower in a lightweight, mounted unit. Using a high efficiency 75 watt Xenon short arc lamp with over 500 hours of life, this searchlight illuminates targets up to 3,500 meters away. Optional.

### LASER DAZZLER



Laser engages the target in a wall of green laser light that can be seen at night and in bright sunlight at 200 meters.



## Additional Accessories

### AUXILIARY CONNECTOR

Auxiliary cable to connect any LRAD system to a Phraselator, iPod or any other MP3 device with a 3.5mm audio output. Optional.

### MOUNTING OPTIONS

**Tripod** - The rugged aluminum tripod is easily transported and quickly sets up for rapid deployment.

**Ship Rail Mount** - Constructed of 316 stainless steel for durability in harsh marine environments the ship rail mount can be attached to a horizontal or vertical rail.

### Military Large Pintle Mount

**GPK Mount** - mounts to Objective Gunner Protection Kit (OGPK) for vehicle mounted operations.

**Vehicle Mount** - attaches to standard 2" trailer hitch receiver.

<sup>1</sup>Max range of 1250 meters over 88 dB of background noise. 6+ dB above background noise is based on field trials conducted by independent sources.

<sup>2</sup>Tested by independent third party test lab following MIL-STD-810G, MIL-STD-167-1A & MIL-S-901D.

<sup>3</sup>Weight without accessories

<sup>4</sup>MIL-STD-1474D standard establishes acoustical noise limits and prescribes testing requirements and measurement techniques for determining conformance to the noise limits specified therein.

<sup>5</sup>Requirements for the control of electromagnetic interference characteristics of subsystems and equipment.

Details on all specifications can be found online at [www.LRADX.com](http://www.LRADX.com)

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