



Communicate Even Farther with LRAD 2000X™

The LRAD-X Advantage

Proven Performance

- Full Military & Sustainment Program Support
- Domestic & International Relief Assistance
- Designed to Meet Stringent U.S. Navy / U.S. Army Requirements

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

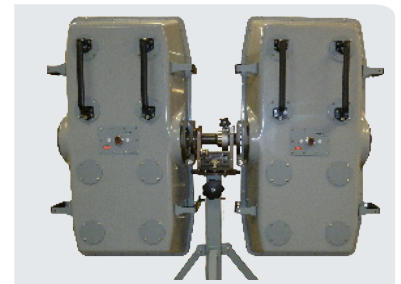
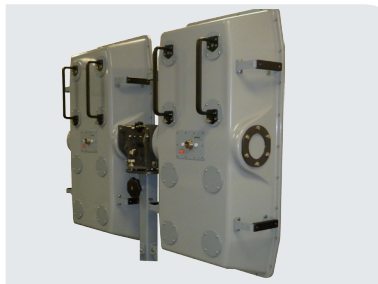
- Increased Coverage with Single Operator
- Improved Response Times
- Improved Coordination Efforts

The LRAD 2000X provides long distance hailing and warning with highly intelligible voice communication.

The superior voice intelligibility and clarity of the LRAD 2000X provides a directional audio broadcast that can safely communicate with high intelligibility far beyond standoff distances. LRAD 2000X operators have the ability to issue clear, authoritative verbal commands, followed with a powerful deterrent tone to alter behavior and enhance response capabilities. The extended frequency range of the LRAD 2000X ensures voice commands will be clearly understood at distances up to 5.7 miles.



LRAD-2000X



ACOUSTIC PERFORMANCE

Maximum Continuous Output	162dB SPL @ 1 meter, A-weighted
Sound Projection	+/- 15° at 1.0 kHz/-3dB
Communications Range	Highly intelligible speech transmissions over 5.7 miles

ENVIRONMENTAL & DURABILITY

MIL-STD-810G ¹	Hot/cold operating, hot/cold storage, blowing rain, saltfog
	SRS shock, operating humidity
MIL-STD-167-1A ¹	Shipboard Vibration
MIL-S-901D ¹	Shipboard Shock, Class I, Shock grade B
Construction	Molded low smoke composite; 6061 Aluminum Stainless steel, 316 Stainless hardware

DIMENSIONS & WEIGHT

Emitter Array Weight ²	160lbs (dual head units 80 lbs x2)
Emitter Array Dimension	2x (25" W x 48" H x 10" D)
Electronics Housing	31" W x 21" H x 12" D Watertight molded case

ELECTRICAL REQUIREMENTS

Typical Power Consumption	High power Warning Tone: 2,000 Watts Recorded or live voice messages: 500 Watts
Power Input	100-240VAC

SAFETY

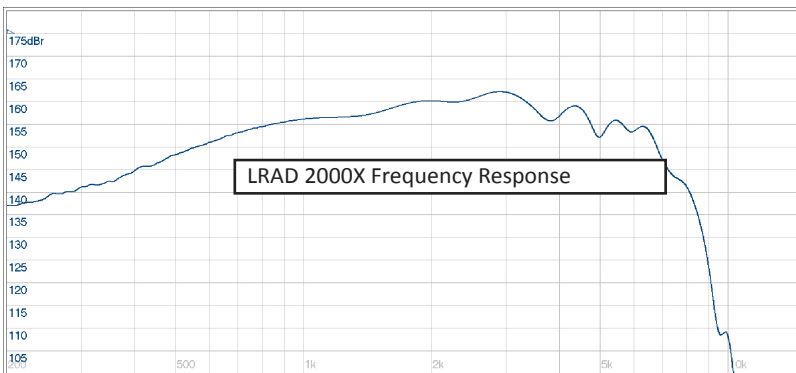
Standard	MIL-STD-1474D ³
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ELECTROMAGNETIC COMPATIBILITY (EMC)⁴

FCC Part 15 class A radiated emissions, CE

ORDERING INFORMATION

TBD



Options & Accessories

LRAD 2000X systems can be integrated with a variety of accessories for custom security solutions

MP3 PLAYER / CONTROL MODULE



LRAD 2000X systems come standard with a ruggedized MP3 player. The MP3 player can play up to 2GB of pre-recorded messages and warning tones. The large control buttons are designed to allow easy operation with gloves or bulky MOPP gear.

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.

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.

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¹Designed to meet MIL-STD-810G, MIL-STD-167-1A & MIL-S-901D.

²Weight without accessories

³MIL-STD-1474D standard establishes acoustical noise limits and prescribes testing requirements and measurement techniques for determining conformance to the noise limits specified therein.

⁴Requirements for the control of electromagnetic interference characteristics of subsystems and equipment.

