LRAD 1000X can be manually operated to provide long distance hailing and warning with highly intelligible communication.

The superior voice intelligibility and clarity of LRAD 1000X provides a directional audio beam that can communicate with high intelligibility over 88 dB of background noise beyond 1250 meters and capable of communicating over 3000 meters away in a benign environment. 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.
ACOUSTIC PERFORMANCE
- Maximum Continuous Output: 152 dB SPL at 1 meter
- Beam Width: +/-15° @ 1.0 kHz/-3dB
- Frequency Range: See frequency response curve below
- Communications Range: Highly intelligible speech transmissions over 3000 meters; *Max range of 1250 meters over 88 dB of background noise.

ENVIRONMENTAL PERFORMANCE
- Hot Operating Temperature: MIL-STD-810G, Method 501.5, Procedure II, Design type Hot, 60°C
- Cold Operating Temperature: MIL-STD-810G, Method 502.5, Procedure II, Design type Basic Cold, -33°C
- 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
- Random Vibration: MIL-STD-810G, Method 514.6, Wheeled vehicles
- SRS Shock: MIL-STD-810G, Method 516.6, Procedure I (Functional shock)
- Operating Humidity: MIL-STD-810G, Method 507.5, Procedure II – Aggravated Cycle

MECHANICAL
- Construction: Molded low smoke composite; 6061 Aluminum Stainless steel 316 Stainless hardware
- Emitter Array Weight: 85 lbs without accessories
- Emitter Array Dimension: 36" W x 40" H x 13" D
- Electronics Module Dimension: 21.2" x 16" x 8.3"
- Electronics Housing: Watertight molded case

ELECTRICAL REQUIREMENTS
- Power Consumption: Normal power consumption 250 watts, Peak power consumption 750 watts
- Power Input: 100 – 240VAC

SAFETY
- MIL-STD-1474D

ELECTROMAGNETIC COMPATIBILITY (EMC)
- FCC Part 15 class A radiated and conducted emissions; MIL-STD-461ECE

COLORS
- White: Catalog No. LRAD-1000X-W-SYS
- Gray: Catalog No. LRAD-1000X-G-SYS

*6+ dB above background noise is based on field trials conducted by independent sources.

LRAD 1000X Frequency Response