LRAD 300X is a compact, lightweight solution for use on small vessels, CROWs and vehicle mounted armor. It can be easily transported to provide security personnel long range communications and a highly effective hailing and warning capability where needed.

LRAD 300X produces highly intelligible voice transmissions over 88dB of background noise beyond 350 meters and beyond 1500 meters in a benign environment. LRAD 300X operators have the ability to issue clear, authoritative verbal commands, followed with powerful deterrent tones to enhance response capabilities. The extended frequency range of LRAD 300X ensures voice commands will be clearly understood.
### ACOUSTIC PERFORMANCE
- **Maximum Continuous Output**: 142 dB SPL at 1 meter
- **Beam Width**: +/-15° at 1 kHz/-3dB
- **Frequency Range**: See frequency response curve below
- **Communications Range**: Highly intelligible speech transmissions over 1000 meters; *Max range of 350 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 509.5
- **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)
- **Hot Storage Temperature**: MIL-STD-810G, Method 501.5, Procedure I, 70°C
- **Cold Storage Temperature**: MIL-STD-810G, Method 502.5, Procedure I, -40°C
- **Operating Humidity**: MIL-STD 810G, Method 507.5, Procedure II – Aggravated Cycle

### MECHANICAL
- **Emitter Array Dimension**: 25” W x 14” H x 10” D
- **Emitter Array Weight**: 25 lbs without accessories
- **Construction**: Molded low smoke composite 6061 Aluminum, Stainless steel 316 Stainless hardware

### ELECTRICAL REQUIREMENTS
- **Power Consumption**: Normal Power Consumption 100 Watts, Peak Power Consumption 150 Watts
- **Power Input**: 12 - 28VDC

### SAFETY
- MIL-STD-1474D

### ELECTROMAGNETIC COMPATIBILITY (EMC)
- FCC Part 15 class B radiated emissions, MIL-STD-461E, CE

### COLORS
- Gray: Catalog No. LRAD-300X-G-SYS
- Tan: Catalog No. LRAD-300X-T-SYS

### NSN
- 5830015784368

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