LRAD 100X is a self contained, handheld, portable loud hailer that outperforms megaphones and most permanent public address systems. LRAD is an easily transportable communication tool that overcomes the background noise of vehicles, vessels, sirens, and boisterous crowds to ensure the message is clearly heard and understood.

LRAD 100X is 10-21 decibels (dB) louder than the most competitive megaphones. Systems of comparable size and power do not match the intensity of LRAD 100X, which is four to six times louder. Optimized driver and wave-guide design ensures clear and loud voice communication so every syllable is understood. The warning tone provides a non-lethal deterrent, shapes behavior, and supports intent determination while preserving time for force escalation.

This unmatched acoustic performance comes in a rugged package that can be operated in driving rain. Interfaces include a standard microphone as well as a rugged media player designed for easy operation in demanding environments.

Maximum power in a small package - The LRAD 100X is the world’s best solution for on-scene and tactical communications.
# LRAD 100X™

## Acoustic Performance
- **Maximum Continuous Output**: 136 dB SPL at 1 meter
- **Beam Width**: +/- 15° at 2.5 kHz/-3dB
- **Frequency Range**: See frequency response curve below
- **Communications Range**: Highly intelligible speech transmissions over 600 meters; Max range of 250 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)
- **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
- **Dimensions**: 14” W x 14” H x 6.5” D (35.6 x 35.6 x 16.5 cm)
- **Weight**: 15 lbs (6.8 kg) with battery, accessories and cables
- **Construction**: Injection molded impact resistant plastic; 6061 Aluminum

## Electrical Requirements
- **Power Consumption**: Normal power consumption 50 Watts, Peak power consumption 75 Watts
- **Power Input**: 10.8 to 24VDC, included rechargeable 13.4VDC Li-Fe-PO battery for up to 2 hours of continuous operation at maximum volume on a full charge. Adapters available for auto cigarette lighter and for 2590 rechargeable military battery.

## Safety
- **MIL-STD-1474D**

## Colors
- **Black**: Model No. LRAD-100X-BLK
- **Gray**: Model No. LRAD-100X-GRY

## NSN
- 5830015784373

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