



DIRECTIONALITY, POWER & RANGE

- › Powerful, intelligible communication up to 1,000 meters
- › Safely communicate beyond stand-off distances to determine intent
- › Variable beam width for extended coverage
- › Clear, long-range directional communication
- › Creates instant acoustic standoff perimeter

FEATURES

- › Rugged military tested construction
- › Low power requirements
- › All-weather use
- › Scalable, lightweight & portable
- › Simple to operate - Increased coverage with single operator
- › Safe alternative to non-lethal deterrent options

MARKETS SERVED

- › Law Enforcement
- › Defense
- › Commercial Security
- › Critical Infrastructure Security
- › Maritime
- › Homeland Security
- › CBRNE Incident Management
- › Port & Border Security
- › Emergency Warning
- › Mass Communication
- › Wildlife Preservation & Control

ORDERING INFORMATION

LRAD-300X-RE	LRAD-300X-RE integrated electronics long range communications system with dash mounted MP3 control module
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INCLUDED ACCESSORIES

Control Module	Remote MP3 control module with 2GB onboard storage memory
Record on the Fly Mic	Microphone with record and playback feature for immediate playback
USB Cable	USB cable for downloading files to the MP3 player
Normalizer Software	Audio Normalizer software for creating audio recordings on a PC
Hearing Protection	Disposable hearing protection
MP3 Auxiliary Cable	Auxiliary audio cable for connecting to any audio device with a headphone jack

OPTIONAL ACCESSORIES

Wireless Kit	Wireless operation of LRAD systems at ranges up to 300 meters, 3.5 mm phone jack connects to a standard MP3 audio device (UHF, US only). Lightweight hyper-cardioid headset microphone is included
Magnetic Mount Kit	Magnetic base and accompanying mounting yoke to secure the LRAD system to metallic surfaces such as a vehicle roof
Maxabeam Kit	12 million candlepower in a lightweight, mounted searchlight, illuminates targets up to 3,500 meters away
Power Supply Module	External AC to DC power supply, 100-220VAC to 28VDC
Power Pack	Portable power pack with internal battery, charger, 24VDC, 21AH
Hitch Mount	Vehicle Mount - attaches to standard 2" trailer hitch receiver (2in/5.08cm)
GPK Mount	Mounts to Objective Gunner Protection Kit (OGPK) for vehicle mounted operations
Shiprail Mount	Stainless steel rail mount

LOW PROFILE FOR SMALL VESSELS AND VEHICLES

The LRAD 300X is low profile, lightweight and designed for use on a tripod mount configuration or mounted on small vessels, security and defense vehicles and Remote Weapon Stations (RWS). It can be easily transported to provide security personnel long range communications and a highly effective communication and warning system where required. The LRAD 300X has been used for commercial, security and defense applications throughout the world.

LRAD 300X operators have the capability to broadcast clear, authoritative verbal commands, followed with powerful deterrent tones to modify behavior, enhance response capabilities and provide more time to scale the use of force if required.

ACOUSTIC PERFORMANCE

Maximum Continuous Output	143dB SPL @ 1 meter, A-weighted
Sound Projection	+/- 15° at 1 kHz/-3dB
Communications Range	Highly intelligible voice messages over distances up to 1,000 meters; max range of 350 meters over 88 dB of background noise. 6+ dB above background noise is based on field trials conducted by independent sources.

ENVIRONMENTAL PERFORMANCE¹

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
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
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, Shipboard Shock, Class I, Shock grade B, Type A shock test
Random Vibration	MIL-STD-810G, Method 514.6, Wheeled vehicles
SRS Shock	MIL-STD-810G, Method 516.6, Procedure I, (Functional shock)

¹Tested by National Technical Systems (NTS) following MIL-STD-810G, MIL-STD-167-1A & MIL-S-901D.



MECHANICAL

Dimensions	25" W x 14" H x 11.5" D (63.5cm x 35.6cm x 29cm)
Weight	25 lbs. (11.34kg)
Construction	Molded low smoke composite, 6061 Aluminum, 316 Stainless hardware

ELECTRICAL REQUIREMENTS²

Power Consumption	Typical Power consumption 150 Watts (With tone) Normal power consumption 50 Watts (With voice content)
Power Input	12 - 28VDC

SAFETY³

MIL-STD-1474D

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

ELECTROMAGNETIC COMPATIBILITY (EMC)⁴

FCC Part 15 class A radiated emissions, CE

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