



ORDERING INFORMATION

LRAD-300X-RE	LRAD-300X-RE manually operated 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 customized 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
Hard Case	Watertight and dust proof rugged enclosure for storage/transport
Tripod Adapter	Allows for mounting on optional tripod

OPTIONAL ACCESSORIES

Wireless Kit	Wireless operation of LRAD systems over ranges up to 300 meters, 35mm phone jack connects to a standard MP3 audio device (UHF, US only). Lightweight hypercardioid headset microphone is included
Magnetic Mount Kit	Magnetic base and accompanying mounting yoke to secure the LRAD to metallic surfaces including vehicle roofs
Maxa Beam 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 trailer hitch receiver (2in/5.08cm)
Tripod, Medium Duty	Rugged lightweight tripod with optional hard transport and storage case
HD Camera	Compact, rugged digital camera for recording High Definition, date/time-stamped video and audio during LRAD operation.
GPK Mount	Mounts to Objective Gunner Protection Kit (OGPK) for vehicle mounted operation
Shiprail Mount	Stainless steel rail mount
Table Mount	Flat surface mount

DIRECTIONALITY, POWER & RANGE

- › Powerful, intelligible voice communications up to 1,000 meters
- › Safely communicate beyond standoff 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
- › Safer alternative to non-lethal deterrent measures

MARKETS SERVED

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



LRAD® 300X-RE

Low Profile, Long Range Communication

LOW PROFILE FOR VESSELS AND VEHICLES

The LRAD 300X-RE 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). Easily transported, the LRAD 300X-RE provides a highly effective long range communication and warning system when required. The LRAD 300X is in use throughout the world in law enforcement, public safety and defense applications.

LRAD 300X-RE operators broadcast powerful warning tones that command attention to the highly intelligible voice messages that follow to change behavior, enhance response capabilities, and scale the use of force if required.



LRAD 300X-RE, REAR VIEW



LRAD 300X-RE WITH MAXA BEAM KIT

ACOUSTIC PERFORMANCE

Maximum Peak Output	150dB SPL @ 1 meter, C-weighted
Maximum Continuous Output	143dB SPL @ 1 meter, A-weighted
Sound Projection	+/- 15° @ 1kHz/-3dB
Communication Ranges	Maximum range up to 1000 meters in ideal conditions. Operational range up to 350 meters over 88dB of background noise. Ranges based on continuous output.

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-810G, Method 514.6, Wheeled vehicles
Shipboard Shock	MIL-S-901D, Shipboard Shock, Class I, Shock grade B, Type A shock test
Random Vibration	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.(11.34 kg)
Construction	Molded low smoke composite, 6061 Aluminum, 316 Stainless hardware

ELECTRICAL REQUIREMENTS

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

SAFETY²

MIL-STD-1474D

²MIL-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)³

FCC Part 15 class A radiated emissions, CE

³REQUIREMENTS FOR THE CONTROL OF ELECTROMAGNETIC INTERFERENCE CHARACTERISTICS OF SUBSYSTEMS AND EQUIPMENT.



LRAD products are available for purchase through multiple channels including: GSA Advantage, Federal and State grants, FEMA RKB Standardized Equipment List (SEL), and others. More information: info@LRAD.com.

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