Genasys™

LRAD® 1000Xi

Longer Range Communication System

ORDERING INFORMATION

LRAD-1000Xi	LRAD 1000Xi with integrated amplifier, control unit, cables and microphone.

INCLUDED ACCESSORIES

Control Module	Remote MP3 control module with 2 to 16GB onboard storage memory
Record on the Fly Mic	Microphone with record and playback feature for immediate playback
MP3 Auxiliary Cable	Allows connection to any audio device with a headphone jack
USB Cable	USB cable for downloading files to the MP3 player
Hearing Protection	Disposable hearing protection
Audio Normalizer Software	Audio Normalizer software for creating customized audio recordings on a PC
CD All	CD input cable
Soft Cover	Protective soft cover

OPTIONAL ACCESSORIES

HD Action Camera	During LRAD operation, record High Definition, date/time stamped video and audio with this compact, rugged digital camera
Maxa Beam Kit	12 million candlepower in a lightweight, mounted searchlight, illuminates targets up to 3,500 meters away
Hitch Mount	Vehicle Mount - attaches to standard trailer hitch receiver (2in/5.08cm)
Pickup Mount	Truck Mount
Shiprail Mount	Stainless steel rail mount
Hard Case	Watertight, dust proof, rugged enclosure for storage and transport
Tripod (Quickset)	Rugged aluminum tripod easily transports and quickly sets up for rapid deployment

DIRECTIONALITY, POWER & RANGE

- Powerful, intelligible voice communications up to 3,000 meters
- Safely communicate beyond standoff distances to determine intent
- Variable beam width for extended coverage
- Focused, directional broadcasts for targeted communication
- Creates instant acoustic standoff perimeter

FEATURES

- Rugged military tested construction
- Low power requirements
- All-weather use
- Simple to operate – increased coverage with single operator
- Safer alternative to non-lethal and kinetic measures
- HD Camera (optional) - Quick connect/disconnect camera and mount for recording video and audio during LRAD operation. Includes 4GB micro SDHC for up to 210 minutes of date and time stamped recordings

MARKETS SERVED

- Law Enforcement
- Defense
- Critical Infrastructure Security
- Maritime
- Border & Homeland Security
- Maritime & Port Security
- Emergency Warning
- Mass Communication
- Wildlife Preservation & Control

LRAD® 1000Xi

Longer Range Communication System

LONGER RANGE SYSTEM FOR EXTENDED COMMUNICATION

The LRAD 1000Xi broadcasts powerful deterrent tones and exceptionally clear voice messages up to 3,000 meters to provide extended critical infrastructure protection, coastal, border, port and maritime security, and helicopter and larger vessel/vehicle mounted defense applications.

Featuring a rugged carbon fiber emitter head integrated with electronics and amplification, the LRAD 1000Xi has an MP3 Control Module for local activation of recorded messages or all-weather, live microphone use. The Control Module also enables full operation from a remote location.

The superior voice intelligibility and extended frequency range of the LRAD 1000Xi ensure voice message and deterrent tone broadcasts are clearly delivered to change behavior and enhance response capabilities with safe, scalable escalation of force.

STAND SOLD SEPARATELY

ACOUSTIC PERFORMANCE

Maximum Peak Output	159dB SPL @ 1 meter, C-weighted
Maximum Continuous Output	153 db SPL @ 1 meter, A-weighted
Sound Projection	+/- 15° @ 1kHz
Communication Ranges	Maximum range up to 3,000 meters in ideal conditions. Operational range up to 1,250 meters over 88dB of background noise. Ranges based on continuous output.

ENVIRONMENTAL PERFORMANCE[1]

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, 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)

[1]TESTED BY NATIONAL TECHNICAL SYSTEMS (NTS) FOLLOWING MIL-STD-810G, MIL-STD-167-1A & MIL-S-901D.

MECHANICAL

Dimensions	36″W x 40″H x 13″D (91cm x 102cm x 33cm)
Weight	87 lbs. (39.4 kg) without accessories
Construction	Construction Molded low smoke composite, 6061 Aluminum, 316 Stainless hardware

ELECTRICAL REQUIREMENTS[2]

Power Consumption	Typical Power consumption 720 Watts (With tone) Normal power consumption 190 Watts (With voice content)
Power Input	90-260 VAC, 50/60 Hz

[2]TYPICAL POWER WITH WARNING TONE. NORMAL POWER CONSUMPTION WITH VOICE CONTENT, SOUND PROJECTION IS WIDE AND VOICE BOOST IS OFF.

SAFETY[3]

	MIL-STD-1474D

[3]MIL-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

[4]REQUIREMENTS FOR THE CONTROL OF ELECTROMAGNETIC INTERFERENCE CHARACTERISTICS OF SUBSYSTEMS AND EQUIPMENT.

Genasys - A Critical Communications Company

Genasys Inc. is the global leader in Long Range Voice Broadcast systems and advanced Public Safety Notification and Emergency Warning solutions. The Company's LRAD systems are in service in 72 countries and in more than 450 U.S. cities, counties, and states In diverse applications, including public safety mass notification, law enforcement defense, border and homeland security, critical infrastructure protection, fire rescue and emergency management, maritime and port security, and wildlife control and preservation.

For more information, please visit: **genasys.com**

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: sales@genasys.com

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