

1000Xi-RT

Longer Range Communication System with Remote Operation



ORDERING INFORMATION

1000XI-RT-GRY	DC-powered, long range communication system
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INCLUDED ACCESSORIES

Control Unit	Control the playback of audio files and live speech
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 Control Unit
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

AC/DC Power Supply	Input: 100 - 240VAC, 11.5A MAX, 50/60Hz Output: 48VDC, 21A, 1000W
Maxa Beam Kit	12 million candlepower in a lightweight, mounted searchlight, illuminates targets up to 3,500 M
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	Rugged, easily transportable aluminum tripod that sets quickly 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
- › Built-in IP Ethernet capability enables audio streaming over the network in remote operation
- › HD Camera (optional) - Quick connect/disconnect camera and mount for recording video and audio during LRAD operation
- › Increased operational efficiency and security
- › Increased response capabilities

MARKETS SERVED

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



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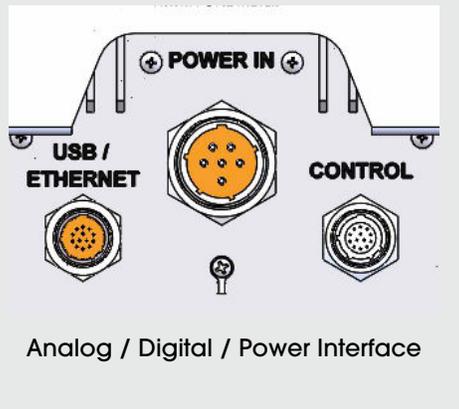
LONGER RANGE SYSTEM FOR EXTENDED COMMUNICATION

The LRAD 1000Xi-RT broadcasts powerful alert tones and exceptionally clear voice messages out to 3,000 meters for extended communication and critical infrastructure protection, coastal, border, port and maritime security, and helicopter and larger vessel/ vehicle mounted defense applications.

This next generation LRAD activates automatic system health checks after powering on and includes a native Ethernet interface for full-featured operation that supports both local and remote system control and operation.

Featuring a rugged emitter head integrated with electronics and amplification, the 1000Xi-RT Control Unit enables local activation of recorded messages or all-weather, live microphone use.

The superior voice intelligibility and extended frequency range of the LRAD 1000Xi-RT ensure voice messages and alert tones are clearly delivered to provide safe, scalable de-escalation and escalation and of force capabilities.



ACOUSTIC PERFORMANCE

Maximum Peak Output	159dB SPL @ 1 meter, C-weighted
Max 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

Hot Operating Temp	MIL-STD-810H, Method 501.7, Procedure II, Design type Hot, 60°C
Cold Operating Temp	MIL-STD-810H, Method 502.7, Procedure II, Design type Basic Cold, -33°C
Hot Storage Temp	MIL-STD-810H, Method 501.7, Procedure I, 70°C
Cold Storage Temp	MIL-STD-810H, Method 502.7, Procedure I, -40°C
Operating Humidity	MIL-STD 810H, Method 507.6, Procedure II - Aggravated Cycle
Rain	MIL-STD-810H, Method 506.6, Procedure I, Blowing rain
Salt Fog	MIL-STD-810H, Method 509.7
Shipboard Vibration	MIL-STD-167-1A
Shipboard Shock	MIL-DTL-901E, Class I, Shock grade B
Random Vibration	MIL-STD-810H, Method 514.8, Wheeled Vehicles
SRS Shock	MIL-STD-810H, Method 516.8, Procedure I, (Functional shock)

Designed to meet MIL-STD-810H, MIL-STD-167-1A, MIL-DTL-901E

MECHANICAL

Dimensions	36 in H x 39 in W x 12 in D (91 cm x 99 cm x 31 cm))
Weight	92 lbs. (41.7 kgs) without accessories
Construction	Construction Molded low smoke composite, 6061 Aluminum, 316 Stainless hardware

ELECTRICAL REQUIREMENTS¹

Power Consumption	Standby: 20 W	Voice Broadcast: 100 W	Alert Tone: 600 W
Power Input	24 - 48 VDC		

¹ Typical power with Warning Tone, normal power consumption with voice content, sound projection wide, Voice Boost off.

SAFETY²

MIL-STD-1474D

² Designed to meet 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)³

FCC Part 15 class A radiated emissions

³ Designed to meet requirement for the control of electromagnetic interference characteristics of subsystems and equipment.

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