



PRODUCT INFORMATION

2000X-GRY

LRAD 2000X long range communication system

INCLUDED ACCESSORIES

Control Unit	Control the playback of audio files and live speech
Amplifier Pack	Portable, waterproof amplifier
Tripod	Rugged, easily transportable aluminum tripod that sets up quickly for rapid deployment
Recording Microphone	Record audio messages for playback or utilize the push-to-talk feature to broadcast live speech
Auxiliary Cable	Connect to any audio device with a 3.5mm headphone jack
USB Cable	Download audio files to the control unit
Normalizer Software	Create and optimize custom audio recordings



DIRECTIONALITY, POWER, & RANGE

- Powerful, intelligible communication up to 8,900 meters in ideal conditions
- Safely communicate beyond extended standoff distances to determine intent
- Variable beam width for extended coverage
- Clear, long-range, directional communication
- Instantly establish an acoustic standoff perimeter

FEATURES

- Rugged, military tested construction
- Low power requirements
- All weather use
- Scalable, lightweight, & portable
- Simple to operate
- Increased operational efficiency and security
- Increased response capabilities

Markets Served

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

CLEAR COMMUNICATIONS OVER EXTENDED DISTANCES

The LRAD 2000X's exceptional clarity and superior range enable operators to broadcast directional, focused communications far beyond normal standoff distances. In ideal conditions, the 2000X can broadcast audio up to 8,900 meters.

The LRAD's control unit ships preinstalled with an alert tone and various warning messages. Operators can also upload new audio files to the control unit or record and broadcast messages while in the field via the recording microphone. With so many messaging options, operators have the ability to tailor their responses and broadcasts to the unique needs of any given situation.

ACOUSTIC PERFORMANCE

Maximum Peak Output	168 dB SPL @ 1 meter, C-weighted
Maximum Continuous Output	160 dB SPL @ 1 meter, A-weighted
Sound Projection	+/- 15° @ 1 kHz / -3 dB
Communication Ranges	Maximum range up to 8,900 meters in ideal conditions. Operational range up to 2,800 meters over 88 dB of background noise. Ranges based on continuous output.

ENVIRONMENTAL PERFORMANCE

Cold/Hot Operating Temperature	MIL-STD-810G, Method 501.5 & 502.5, Procedure II, -33° to 60° C
Cold/Hot Storage Temperature	MIL-STD-810G, Method 501.5 & 502.5, Procedure I, -40° to 70° 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
Safety	MIL-STD-1474D

Designed to meet MIL-STD-810G, MIL-STD-167-1A, MIL-S-901D, MIL-STD-1474D

MECHANICAL SPECIFICATIONS

Head Unit Dimensions	48 in H x 25 in W x 10 in D (122 cm H x 64 cm W x 25 cm D) each
Head Unit Weight	81 lb (37 kg) each, without accessories
Electronics Housing	9 in H x 22 in W x 15 in D (23 cm H x 56 cm W x 38 cm D)

ELECTRICAL SPECIFICATIONS

Power Consumption	Standby: 150 W	Voice Broadcast: 500 W	Alert Tone: 2000 W
Power Input	90-264 VAC	50/60 Hz	
Electromagnetic Compatibility (EMC)	FCC Part 15 class A radiated emissions		

Designed to meet FCC Part 15 class A



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