

1950XL-RT

Extended Range Communication with Remote Operation



PRODUCT INFORMATION

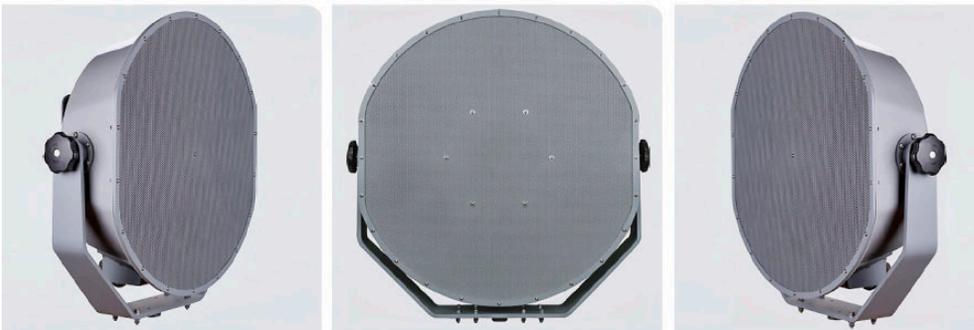
1950XL-RT-GRY	Remote electronics, DC-powered, long range communication system
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INCLUDED ACCESSORIES

Control Unit	Control the playback of audio files and live speech
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-C or Apple lightning connector
USB Cable	Download audio files to the control unit
Normalizer Software	Create and optimize custom audio recordings

OPTIONAL ACCESSORIES

AC/DC Power Supply	Input: 100 - 240VAC, 23A MAX, 50/60Hz Output: +48VDC, 35.4A, 1700W
Tripod	Rugged, easily transportable aluminum tripod that sets up quickly for rapid deployment



DIRECTIONALITY, POWER, & RANGE

- > Powerful, intelligible communication up to 5,000 meters in ideal conditions
- > Safely communicate beyond extended standoff distances to determine intent
- > Clear, long-range, directional communication
- > Instantly establish an acoustic standoff perimeter

FEATURES

- > Rugged, military tested construction
- > Low power requirements
- > All weather use
- > Built-in IP Ethernet capability enables audio streaming over the network in remote operation
- > Simple to operate
- > Increased operational efficiency and security
- > Increased response capabilities

Markets Served

- > Defense
- > Commercial Security
- > Critical Infrastructure Security
- > Maritime
- > Homeland Security
- > Port & Border Security
- > Emergency Warning
- > Mass Communication



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SUPERIOR COMMUNICATION AND HIGHLY SCALABLE ESCALATION OF FORCE

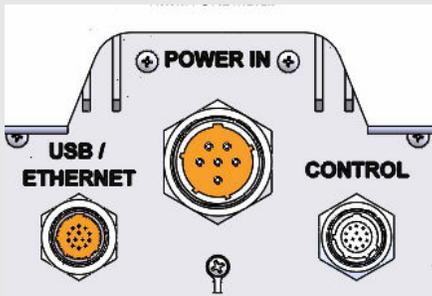
Utilizing technology developed and patented* by Genasys Inc., the LRAD 1950XL-RT broadcasts voice messages and alert tones with exceptional clarity far beyond normal standoff distances .

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.

The LRAD 1950XL-RT issues clear, focused voice messages and alert tones to initiate and scale escalation of force and enhance first response capabilities.

The 1950XL-RT's optimized frequency range and advanced technology ensure communications are clearly broadcast in any language out to 5,000 meters in ideal conditions.

*U.S. Patent No. 9,693,148



Analog / Digital / Power Interface

ACOUSTIC PERFORMANCE

Maximum Peak Output	160 dB SPL @ 1 meter, C-weighted
Maximum Continuous Output	155 dB SPL @ 1 meter, A-weighted
Sound Projection	+/- 15° @ 1 kHz / -3 dB
Communication Ranges	Maximum Range up to 5,000 meters in ideal conditions. Operational range up to 1,600 meters over 88 dB of background noise.

ENVIRONMENTAL PERFORMANCE

Cold/Hot Operating Temperature	MIL-STD-810H, Method 501.7 & 502.7, Procedure II, -33° to 60° C
Cold/Hot Storage Temperature	MIL-STD-810H, Method 501.7 & 502.7, Procedure I, -40° to 70° 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
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 SPECIFICATIONS

Head Unit Dimensions	36 in H x 39 in W x 12 in D (91 cm x 99 cm x 31 cm)
Head Unit Weight	95 lbs (43.1 kgs)
Construction	Molded low smoke composite, 6061 aluminum, 316 stainless hardware
Electronics Housing	9 in H x 22 in W x 15 in D (23 cm x 56 cm x 38 cm) Water resistant case

ELECTRICAL REQUIREMENTS

Power Consumption	Standby: 150 W	Voice Broadcast: 750 W	Alert Tone: 1120 W
Power Input	24 - 48 VDC		
Electromagnetic Compatibility (EMC)	FCC Part 15 class A radiated emissions		

Designed to meet FCC Part 15 class A

Genasys

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REQUEST A DEMO



LRAD products are available for purchase through multiple channels including: DLA TLS SOE, GSA Advantage, Federal and State grants, FEMA Authorized Equipment List (AEL), and others. More information: sales@genasys.com

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