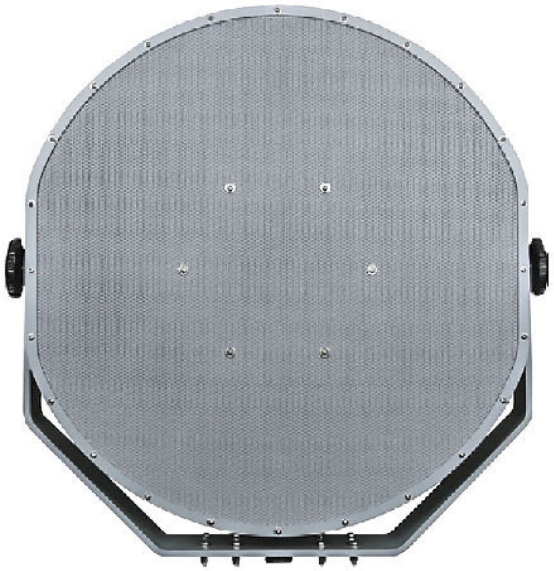
1950XL

Extended Range Communication System



PRODUCT INFORMATION

1950XL-GRY	LRAD 1950XL long range communication system

INCLUDED ACCESSORIES

Control Unit	Control the playback of audio files and live speech
Amplifier Pack	Portable, waterproof amplifier
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
Tripod (Optional)	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
- 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 TECHNOLOGY FOR CRITICAL SITUATIONS

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

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

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

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

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. Ranges based on continuous output.

ENVIRONMENTAL PERFORMANCE

Cold/Hot Operating Temperature	MIL-STD-810G, Method 501.5 & 502.5, Procedure II, -33° to 55° 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
SRS Shock	MIL-STD-810G, Method 516.6, Procedure I, Functional shock

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

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	90 lb (41 kg)
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	90-260 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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