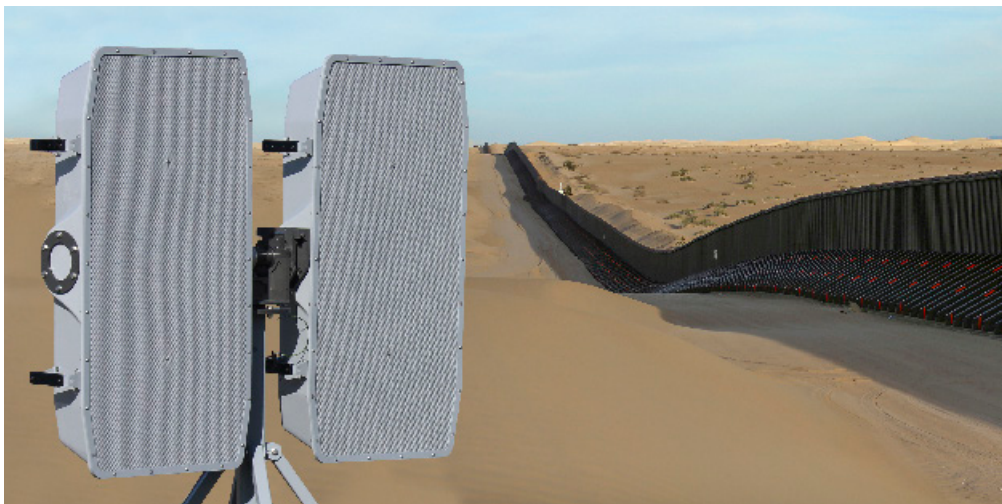


ORDERING INFORMATION

| | |
|------------|---|
| LRAD-2000X | LRAD 2000X long range communications system with heavy duty tripod and remote amplifier |
|------------|---|

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 |
| USB Cable | USB cable for downloading files to the MP3 player |
| MP3 Auxiliary Cable | Allows connection to any audio device with a headphone jack |
| Normalizer Software | Audio Normalizer software for creating customized audio recordings on a PC |
| Tripod | Rugged aluminum tripod easily transports and quickly sets up for rapid deployment |



DIRECTIONALITY, POWER & RANGE

- › Powerful, intelligible voice communications up to 5,500 meters
- › Safely communicate beyond standoff distances to determine intent
- › Variable beam width for extended coverage
- › Clear, long-range, directional communication
- › Creates instant acoustic standoff perimeter

FEATURES

- › Rugged military tested construction
- › Low power requirements
- › All-weather use
- › Scalable, lightweight & portable
- › Simple to operate - Increased coverage with single operator
- › Safer alternative to non-lethal deterrent measures

MARKETS SERVED

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

COMMUNICATE OVER EXTENDED DISTANCES AND ESTABLISH LARGE STANDOFF ZONES

The superior voice intelligibility and clarity of the LRAD 2000X generates directional audio broadcasts far beyond normal standoff distances.

Broadcasting attention-commanding warning and deterrent tones, and exceptionally clear voice messages, the LRAD 2000X enhances response capabilities and establishes substantial standoff zones.

The extended frequency range of the LRAD 2000X ensures voice communications are clearly heard and understood out to 5,500 meters – and beyond in certain environments.

ACOUSTIC PERFORMANCE

| | |
|---------------------------|---|
| Maximum Peak Output | 168dB SPL @ 1 meter, C-weighted |
| Maximum Continuous Output | 160db SPL @ 1 meter, A-weighted |
| Sound Projection | +/- 15° @ 1kHz/-3dB |
| Communication Ranges | Maximum range up to 5,500 meters in ideal conditions. Operational range up to 2000 meters over 88dB of background noise. Ranges based on continuous output. |

ENVIRONMENTAL PERFORMANCE¹



| | |
|----------------------------|---|
| 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) |

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

MECHANICAL

| | |
|---------------------|---|
| Dimensions | 2x (25"W x 48"H x 10"D (64cm x 122cm x 25cm)) |
| Weight | 81 lbs. (37 kg) without accessories |
| Electronics Housing | 22"W x 9"H x 15"D (56cm x 23cm x 38cm) |

ELECTRICAL REQUIREMENTS²

| | |
|-------------------|--|
| Power Consumption | Typical high power warning tone: 1,440 Watts Live or recorded voice messages: 380 Watts |
| Power Input | 90-264VAC 50/60Hz |

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

SAFETY³

MIL-STD-1474D

³MIL-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

⁴REQUIREMENTS 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