

## PRODUCT SHEET

### SYSTEM COMPONENTS

LRAD 300X can be integrated with a variety of accessories for custom security solutions



#### CONTROL MODULE

LRAD Corporation's hardened, ruggedized control module can be located up to 50 feet away from the hailer and provides all controls necessary to operate the unit.



#### AMPLIFIER MODULE

The remote amplifier module is environmentally sealed and can be located remotely from the LRAD acoustic device.



#### MAXA BEAM

The Maxa Beam searchlight delivers 6 million candlepower in a lightweight, handheld unit. Using a high efficiency 75 watt Xenon short arc lamp with over 500 hours of life, this searchlight illuminates targets up to 1.5 miles away.



### THE LRAD-X™ ADVANTAGE:

#### EXTENDED DIRECTIONALITY/OUTPUT

- DETERMINES THE INTENT OF A THREAT AT AN EXTENDED RANGE
- ASSESSES A THREAT SITUATION PRIOR TO INTERDICTION
- VARIABLE BEAM WIDTH FOR EXTENDED COVERAGE
- REDUCES THE RISK OF EXPOSING NEARBY PERSONNEL TO EXCESSIVE AUDIO LEVELS

#### EXTENDED FREQUENCY RANGE

- BROADCAST FULL VOICE SPECTRUM AT EXTENDED RANGES

#### COST EFFECTIVE SOLUTION

- INCREASED SECURITY COVERAGE
- REDUCED MANPOWER
- IMPROVED RESPONSE TIMES
- IMPROVED COORDINATION EFFORTS

#### EASE OF USE

- RUGGEDIZED PACKAGE
- LOW POWER REQUIREMENTS
- ALL WEATHER CAPABILITY
- LIGHTWEIGHT
- FLEXIBLE MOUNTING

### STRONG, LOUD AND CLEAR WITH LRAD 300X

LRAD 300X is a compact, lightweight solution for use on small vessels, CROVs and vehicle mounted armor. It can be easily transported to provide security personnel long range communications and a highly effective hailing and warning capability where needed.

LRAD 300X produces highly intelligible voice transmissions over 88dB of background noise beyond 350 meters and beyond 1500 meters in a benign environment. LRAD 300X operators have the ability to issue clear, authoritative verbal commands, followed with powerful deterrent tones to enhance response capabilities. The extended frequency range of LRAD 300X ensures voice commands will be clearly understood.



### ACOUSTIC PERFORMANCE

Maximum Continuous Output	142 dB SPL at 1 meter
Beam Width	+/- 15° at 1 kHz/-3dB
Frequency Range	See frequency response curve below
Communications Range	Highly intelligible speech transmissions over 1000 meters; *Max range of 350 meters over 88 dB of background noise.

### ENVIRONMENTAL PERFORMANCE

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
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)
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

### MECHANICAL

Emitter Array Dimension	25" W x 14" H x 10" D
Emitter Array Weight	25 lbs without accessories
Construction	Molded low smoke composite 6061 Aluminum Stainless steel 316 Stainless hardware

### ELECTRICAL REQUIREMENTS

Power Consumption	Normal Power Consumption 100 Watts , Peak Power Consumption 150 Watts
Power Input	12 - 28VDC



### SAFETY

MIL-STD-1474D

### ELECTROMAGNETIC COMPATIBILITY (EMC)

FCC Part 15 class B radiated emissions, MIL-STD-461E, CE

### COLORS

Gray		Catalog No. LRAD-300X-G-SYS
Tan		Catalog No. LRAD-300X-T-SYS

### NSN

5830015784368

\*6+ dB above background noise is based on field trials conducted by independent sources.

