



AmericanTechnology
CORPORATION

Shaping the future of sound®

LRAD 1000®

PRODUCT SHEET

SYSTEM COMPONENTS

LRAD 1000 can be integrated with a variety of accessories for custom security solutions



MP3 PLAYER

ATC's hardened, ruggedized MP3 player comes standard with LRAD 1000 and is used to play pre-recorded messages and warning tones.



MICROPHONE

The Shure Model 577B Microphone is a handheld dynamic microphone designed for communications that require highly intelligible, low noise output.



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 ADVANTAGE:

HIGH DIRECTIONALITY

- REDUCES THE RISK OF EXPOSING NEARBY PERSONNEL TO EXCESSIVE AUDIO LEVELS

HIGH DECIBEL OUTPUT

- CLEAR COMMUNICATION AND UNMISTAKABLE WARNING AT EXTENDED RANGES

COST EFFICIENT

- INCREASED SECURITY COVERAGE
- REDUCED MANPOWER
- INCREASED OPERATIONAL EFFICIENCY
- INCREASED RESPONSE CAPABILITIES

EASE OF INSTALLATION

- LOW POWER REQUIREMENTS
- WEATHERPROOF
- LIGHTWEIGHT
- FLEXIBLE MOUNTING

PROVEN TECHNOLOGY SOLUTION

- IN COMBAT SINCE DECEMBER 2003
- AT SEA SINCE MAY 2004
- MARITIME SECURITY SINCE AUGUST 2004
- PUBLIC SAFETY SINCE AUGUST 2004

STRONG, LOUD AND CLEAR WITH LRAD 1000

The LRAD 1000 uses its directionality and high acoustic output to clearly transmit critical information, instructions, and warnings well beyond 500 meters. The system can also transmit powerful deterrent tones to influence behavior or determine intent of a threat.

What makes the LRAD product unique is its ability to transmit your message with exceptional voice intelligibility and tonal clarity in a highly directional beam, even with significant ambient noise. The directionality of the LRAD device reduces the risk of exposing nearby personnel or peripheral bystanders to harmful audio levels.






Long Range Acoustic Device™

UNIT WEIGHT

Emitter Array Weight 65 pounds

UNIT COLORS

White  Catalog No. LRAD-1000-150-W-SYS
 Gray  Catalog No. LRAD-1000-150-G-SYS
 Tan  Catalog No. LRAD-1000-150-T-SYS

MECHANICAL

Emitter Array Dimension 33" O.D. x 6" thick (84 cm O.D. x 15.5 cm)

ENVIRONMENTAL

Random Vibration MIL-STD-810F, Method 514.4, Category 20, US Highway
 SRS Shock MIL-STD-810F, Method 516.5, Procedure 1 (Functional Shock)
 High/Low Temp, Non-Operational MIL-STD-810F, Method 501.4 & 502.4, Procedure 1
 High/Low Temp Operational MIL-STD-810F, Method 501.4 & 502.4, Procedure 2
 Rain MIL-STD-810F, Method 506.4, Procedure 2

TECHNICAL PERFORMANCE

Maximum SPL 151dB instantaneous max @ 1 Meter
 Maximum SPL Regulated Power Mode 121dB @ 1 Meter
 Emitter Harmonic Distortion <2.2% THD @ 2 kHz
 Power Requirements Normal Power Consumption 240 Watts
 Peak Power Consumption 480 Watt
 Nominal Beam Width +/- 15° at 2kHz
 Power Input 90 - 240 VAC 50 - 60 Hz

CERTIFICATIONS



LRAD 1000 IS ATEX CERTIFIED

ATEX refers to European Directive 94/9/EC, which covers equipment and protective systems for use in areas endangered by potentially explosive atmospheres created by the presence of flammable gases, vapors, mists or dusts.

