



MRAD™

The Medium Range Acoustic Device (MRAD™) is a breakthrough medium-range hailing and warning device designed to communicate with authority, affect behavior, and help determine intent up to 300 meters with clarity and directionality. What makes MRAD unique is its ability to transmit your message with exceptional voice intelligibility and tone clarity in a tight beam, even with significant ambient noise. The directionality of this device reduces the risk of exposing nearby personnel or peripheral bystanders to excessive audio levels.



APPLICATION

- Mass Notification
- Crowd Control/Maintaining Compliance (Demonstration/Riot)
- Emergency Evacuation Orders
- First Responders (Natural Disaster/Terrorism)
- Critical Infrastructure Protection
- Life Guards
- Building Evacuation
- Perimeter Enforcement
- Cruise Lines
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MRAD is a highly-directional communication device with integrated electronics. The choices for inputs include pre-recorded or real time verbal communications, as well as warning tones (provided or user-defined). The MRAD has a standard line-level audio input that will accommodate an MP3 player, CD player, audio preamplifier, tape player, or laptop computer.

With MRAD you can communicate with intelligibility and authority to ensure that your message is heard, without unnecessary escalation of force.

MRAD OFFERS THE ABILITY FOR:

- Police and Fire crews to provide clear direction to gatherings and crowds.
- Determining intent of groups or individuals from greater distances with superior intelligibility.
- Facilitating building or area evacuation.
- Restricting area denial.
- Transmitting tones or calls from birds of prey to scare away birds from roof tops and air fields.
- Airborne notification or warning from helicopters to people on the ground with clarity over jet noise.
- Communicating with people in hazardous areas warning innocent bystanders to stay away.
- Communication to swimmers/surfers from the beach.



TECHNICAL CHARACTERISTICS

MRAD™ Characteristics:

Loud: 146dB burst at 1 meter / about 95dB at 500 meters

Clear: Less than 10% total harmonic distortion

Directional: 20-30 degree beam width

Low Power Consumption: 2 amps max, 1 amp continuous

Man-Portable: Easily moved or mounted on vehicle



Weight: 28 lbs / 12.7 kg

Dimensions: 20in W x 6.5in D / 50.8cm W x 16.51cm D

Maximum SPL Tone: 146dB burst @ 1 Meter

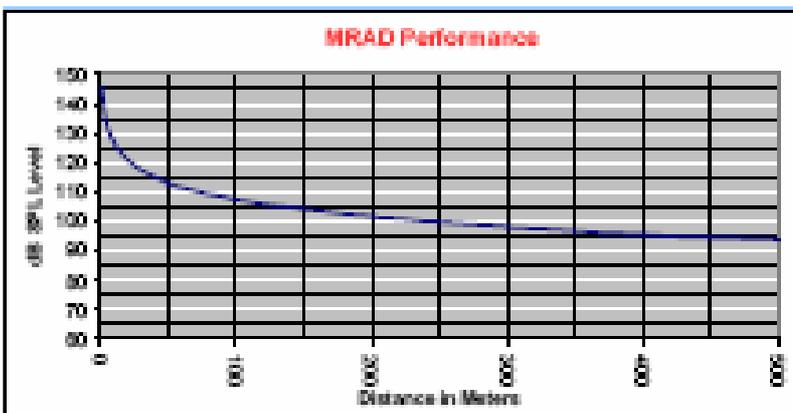
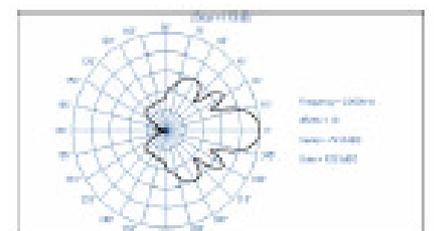
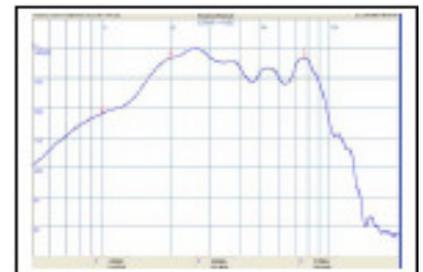
Durability: Thermal conditions have minimal effect on system performance.
System designed to meet MIL-STD 810 environmental specifications.

Harmonic Distortion: <10% THD @ 126dB @ 1 Meter @ 2.5 kHz

Maximum Power Usage: 240 Watts (2A @ 115V)

Normal Power Usage: 120 Watts (1A @ 115V)

Directionality: -20dB @ +/- 15° @ 2.5kHz



ACCESSORIES



ACCESSORIES AVAILABLE

- 1 MP3 Player (Hardened Case)
- 2 50-ft Power Cable
- 3 Tripod
- 4 Tripod Ballast Bags (2 each Blue)
- 5 Universal Mount
- 6 MaxaBeam Light Kit (6 million candlepower)
- 7 Hard-side Carrying Case
- 8 Replacement All-Weather Cover

ADDITIONAL SERVICES AVAILABLE

- Assembly Labor & Test
- Training Documentation
- On-Site Installation
- On-Site Training
- Custom Color (<40 Units)
- Custom Color (>40 Units)