

LONG RANCE ACOUSTIC DEVICE CIVIL DEFENCE (LRAD)



Official Representative

Initially the **LRAD** was designed for Military Maritime Operations (developed in response to the USS Cole attack in October 2000) but its applications have now diversified substantially. Currently they are used for Anti-Piracy, Safety, Crowd Control, Emergency Services, Civil Unrest & Demonstrations, as well as Maritime applications, including the O & G Industry, Port Facilities & Terminals, Vessels and Yachts.

The **LRAD** is a revolutionary (non-lethal) high-intensity directional acoustic array device for precise audio targeting which can be integrated with other solutions such as cameras and sensors (motion monitors, radar etc). It is also easily integrated with a software control interface. The vision / aiming and positioning system allows users to locate, communicate with and/or deter specific potential threats over extended distances.



The LRAD range of Products includes:



Applications:

- Land / Maritime
- Safety / Security
- Mass Communication
 - Demonstrations
 - Crowd Control
- Search & Rescue
- Emergency Response



Key Features:

- Easy installation
- Portable - less than 23kg
- Operates on 240 VAC
- Low power consumption - 2 amps
- Clear, effective comms at ranges in excess of 1000m
- Weather resistant

Interested parties can arrange for LRAD purchases, leasing or a package deal which will comprise of Security Assessment, Professional Escorts and/or Training

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THE ISS TEAM:

Infinite Security Solutions Pte Ltd – Singapore | Infinite Security Solutions Ltd – UK
Infinite Security Solutions Ltd – Anguilla | Infinite Security Solutions Global Ltd – HK
Infinite Security Solutions Europe Ltd – UK | Infinite Security Solutions Ghana Ltd | Ghana
Infinite Security Solutions Corporation | BVI Holding Company

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In a maritime environment the **LRAD** fills the critical capability gap for vessels to HAIL, NOTIFY and WARN approaching vessels at significant ranges, with crystal-clear audible, voice or pre-recorded messages in almost any language. It significantly extends the stand-off and perimeter in friendly or hostile environments thereby providing immediate enhancement to force protection allowing communication at safe ranges to gain compliance, establish intent, and change behaviour.

The **LRAD** has been a key element in thwarting security threats and attacks against ships.

The **LRAD** products:



LRAD: 100X --- 300X --- 500X --- 1000Xi --- RX --- 2000X --- 360Xm --- 360X
(plus LRAD & Scram Cart see "Remote (LRAD-R) & Scram Cart" for details & pictures)

Benefits:

- Supports existing communication platforms
- "Stand-off" capability in excess of 500m
- Reduces "pull along sides"
- Provides hailing & warning capabilities for oil terminals and shore installations
- Critical in determining the intent of approaching vessels
- Significantly enhances the SAFETY and SECURITY for personnel and vessels

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LONG RANGE ACOUSTIC DEVICE REMOTE (LRAD-R) & SCRAM CART

Official Representative

LRAD-R (Remote)

The **LRAD-R** is an automated system consisting of an LRAD emitter head, pan/tilt device for precise audio targeting, integrated camera, and an easy to use software control interface. The vision and positioning system allows users to locate, communicate with, and deter specific potential threats over extended distances.

The software control interface gives the operator the ability to program movement commands for automated scanning, assess real time video feed from the integrated camera, and select and playback pre-recorded warning messages or aversion sounds through the LRAD device and a host of other advanced features.

The **LRAD-R** has been specifically developed to operate in a variety of harsh climatic and commercial environments ranging from the Maritime and Oil & Gas Industries, particularly Platform and Pipeline protection, to large utility, petrochemical and chemical plant infrastructures, as well other applications where low maintenance, trouble-free operation is a must.

LRAD Scram Cart

The **Scram Cart** provides users with an effective self-contained mobile solution, which allows rapid deployment of the LRAD unit by a single operator.

The **Scram Cart** consists of a simple easy to use cart / trolley, a power pack and inverter.

During transportation the **LRAD** is folded in the 'down' position for stability and ease of movement. Once sited the **LRAD** is easily swung into position.



The **LRAD-R** can be integrated with the following detection / alarm capabilities:

- Visual, by day / night
- Illumination, low light levels / night
- Motion, surface and sub-surface
- Acoustic System
- Notification & Deterrent, covering motion
- Remotely controlled using secure protocol over fibre optics and / or wireless
- Slaved with other units

The **LRAD** is now used by a number of Navy, Army and Police Forces globally, as well as many other security and safety organisations to help relay critical information / orders to the public to mitigate safety and security situations, including for example, at check points or policing demonstrations.



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