

# Your Global Tracking Solution

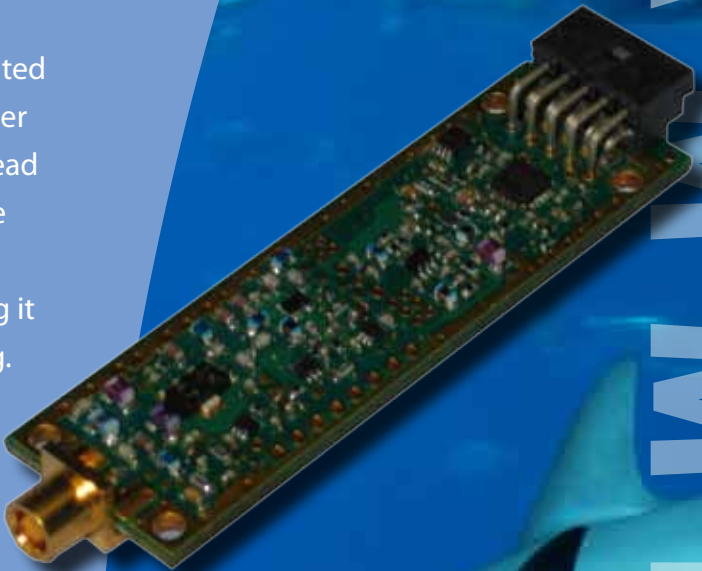
## MINIATURIZED ARGOS TRANSMITTER

The **Hammerhead** is a fully functional Argos PTT (stand-alone transmitter) that can be quickly integrated into mission specific packages or used alone to gather Doppler based position information. The Hammerhead achieves a high percentage of Class III fixes (accurate to <250m) while benefiting from an incredibly small package and advanced power management, making it an ideal choice for long range, long term monitoring. Advanced firmware provides multiple options for remote sensors and data acquisition.

### Key Features

- **Small Size: 2.26" x .67" x .18" w/o connectors (unshielded)**
- **Integrated 3-axis accelerometer**
- **Encapsulated version available for high pressure marine applications**
- **Extremely low power consumption for extended operations**

The Hammerhead is field proven to provide excellent results in the harshest environments. Fully backed by a comprehensive warranty and excellent support you can be confident this is a tool you'll come back to time and time again. To arrange a demonstration or to learn more about our products please contact us at the numbers below.



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**Xeos** *Technologies Inc*  
**Data Telemetry Specialists**

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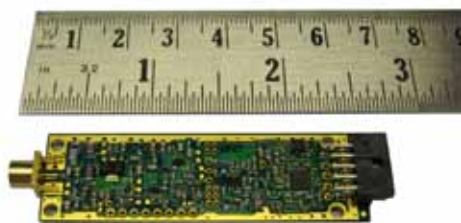
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# Hammerhead

## TECHNICAL SPECIFICATIONS\*

### Additional Features/Specifications

- Frequency synthesizer can be programmed for operation in any channel over a 80kHz bandwidth. Channels S1-S14 available
- Integrated 3-axis accelerometer
- Integrated on board (or external) temperature sensor
- High percentage of Class III fixes, accurate to <250m
- Frequency and repetition period are user configurable through HyperTerminal
- Advanced RISC controller
- Robust RF design is very stable and requires minimal shielding even under adverse antenna loads
- High efficiency custom designed power amplifier
- Supports 28 bit ID numbers



### Who are we?

Xeos is a leading technology firm created by visionary engineers with a passion for excellence. Xeos prides itself on a pioneer mentality, always striving to create superior technological solutions to tracking and telemetry problems. For more information on our COTS and custom developments please contact us at the numbers below.

### Functionality

*Base Function:*  
*Programmable Functions:*

Fully compliant Argos PTT

*Sensors:*

Repetition Period, Transmit Frequency  
Accelerometer & Temperature

### Electrical

*Supply Voltage:*  
*Sleep Current:*  
*Transmit Current:*

6 V - 12 V  
<30uA  
350mA @ 6.5V

### RF

*Output Power:*  
*Antenna Output Impedance:*  
*Transmit Frequency:*

800 mW nominal  
50 ohms nominal  
14 channels, user selectable

### Programming Interface

*TTL Level Serial:*  
*Bootloader:*

9600 baud  
Allows user firmware upgrades

### Mechanical

*Dimensions:*  
*Weight:*  
*Connectors*

2.26" x .67" x .18" w/o connectors  
Uncast 4g; Cast 6g  
Multiple connector options available.  
Ask us for more details on configurations.

### Environmental

*Operating Temperature:*  
*Temperature Storage:*

-30C to +70C  
-50C to +80C

*\*Specifications subject to change without notice.*

### Kit Contents

#### Hammerhead (KIT)

- 1 x Hammerhead
- 1 x USB Dongle
- 1 x Argos squawker
- 2 x dipole antennas
- 2 x power cables
- 1 x Test battery holder



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