



This device is intended to be used as a means of autonomously monitoring your wildlife traps (snare traps, culvert traps, etc.) so that you know the moment your trap has fired.



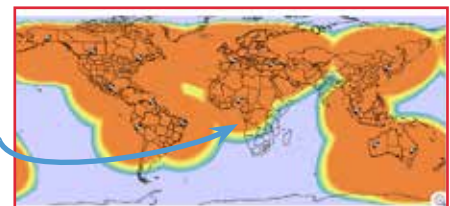
## Trap Transmitter

Base Price—\$585



### Features

- ◆ Offers Real Time Monitoring through Globalstar Satellite System
- ◆ If you have sky, you have coverage
- ◆ Low Cost Satellite Air-Time; Real Time Data from the field to www
- ◆ Available with and without GPS Receiver
- ◆ Available with and without VHF Transmitter
- ◆ Web Based Data Secure and Password Protected
- ◆ Ideal for Remote Trap Locations
- ◆ Battery life measured in years; different battery configurations available, including rechargeable
- ◆ Can be configured to transmit "Operations Normal" message periodically to confirm device is working even though the trap has not fired yet
- ◆ Alarm function sends an E-mail alert the moment trap fires; repeats every hour for 6 hours
- ◆ North Star's Secure Customer Web Page Provides Seamless Data Fusion and Display on Google Earth™
- ◆ Coverage Map for Globalstar Service with New Ground Stations now in Africa



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## Trap Transmitter~Specifications

### General Data

- |   |                                  |
|---|----------------------------------|
| • <b>Output Power</b>   | <b>150mW</b>                     |
| • <b>Transmit Signal Length</b>   | <b>1.5 Seconds</b>               |
| • <b>Temp Range</b>   | <b>-40° to +50° C</b>            |
| • <b>Frequency</b>  | <b>1611.25 to 1618.75MHz</b>     |
| • <b>Modulation</b>   | <b>BPSK-modulated PRN Code</b>   |
| • <b>GPS Engine</b>   | <b>µBlox 16 Channel</b>          |
| • <b>GPS Accuracy</b>   | <b>+/- 10m horz, +/- 25 vert</b> |
| • <b>GPS Antenna</b>  | <b>Active</b>                    |
| • <b>GPS Datum</b>  | <b>WGS84</b>                     |
| • <b>VHF Power Output</b>   | <b>1-2mW</b>                     |
| • <b>Waterproof Enclosure</b>   |                                  |
| • <b>LED blinks when Transmitter is on</b>  |                                  |
| • <b>Multiple magnetic switches are wired in parallel to ensure activation when magnet is removed</b> |                                  |

### If GPS is included:

- **Specified accuracy is 2.5 meters CEP and 5 meters SEP. CEP is Circular Error Probability. It is the radius of a horizontal circle, centered at the true antenna position, containing 50% of the fixes. SEP is Spherical Error Probability. It is the radius of a sphere, centered at the true antenna position, containing 50% of the fixes.**
- **NOTE: We are turning off our GPS engine after 5 positions in a row (1 per second) are acquired with a horizontal accuracy of 5 meters or less.**

