

# The Phoenix Ungulate Ear Tag ~ \$1,850

The World's First Solar Powered Globalstar Ear Tag for Ungulates ~ If You Have Sky, You Have Coverage

- ▶ 50 grams (can be made smaller)
- ▶ No External Antennas
- ▶ Solar Powered For Long Operational Life
- ▶ Internal 56-Channel GPS Engine; Uplink via Globalstar Satellite System
  - Heading, Altitude, and Speed Recorded With Each GPS Fix
- ▶ Truly Real-Time Data From Field To Web
- ▶ Accelerometer Readings in 1, 5, or 10 Hz Bursts
- ▶ Field Downloadable & Reprogramable Without Recapture Via Bluetooth link
- ▶ Temperature and Accelerometer included
- ▶ Geofences Available
- ▶ Internal heating element for cold weather deployment



## LOGGING SPECIFICATIONS

GPS fixes per day: 1 to 48, based on solar charging conditions  
Memory: 16 MB

## UPLINK TRANSMIT SPECIFICATIONS

Frequency: 1611.25 MHz (Channel A)  
1616.25 MHz (Channel C)  
Frequency Select: Automatic (from GPS location)  
Power: 18 dBm,  $\pm 2$  dB

## GPS RECEIVER SPECIFICATIONS

Receiver Type: 56-Channel, u-Blox 7 engine  
Datum: WGS84  
Receiver Accuracy: 2.5 m CEP  
Antenna: Dual band F flat patch

## GENERAL SPECIFICATIONS

Weight: 50 grams  
Dimensions: 61mm x 29mm x 18mm  
Material: glass-filled nylon  
Battery: 350 mA-h High Discharge Li-Po  
Operating Temperature:  $-10^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$

Built-In Solar Cell & Charging Circuit • No External Antenna  
Rechargeable Li-Polymer Battery • Nitrogen Filled Enclosure

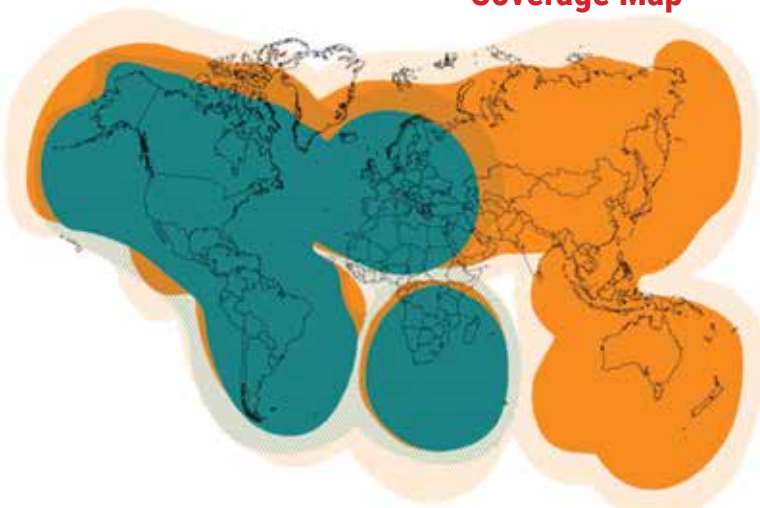


In collaboration with

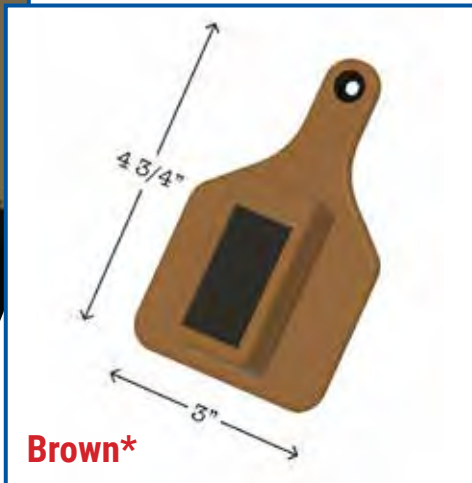
**Patriot**



### Coverage Map



- S.O.S. AND ONE-WAY MESSAGE COVERAGE
- FRINGE S.O.S. AND ONE-WAY MESSAGE COVERAGE
- S.O.S. AND 2-WAY MESSAGE COVERAGE
- FRINGE S.O.S. AND 2-WAY MESSAGE COVERAGE



**\*Other Colors Available**

