



MicroLiteTrack Series

Technology:  **Satellite**  **Radio**

Product:  **Collar**

Ship rat (*Rattus rattus*) © Andrea Byrom 2013



Efficient, Lightweight and Rechargeable

As the smallest collar in our LiteTrack family, the MicroLiteTrack 10 feeds the GPS age of technology for studying very small mammalian species where VHF only technology previously existed. Small species research can now think BIG with our MicroLiteTrack 10 collar. Some species are just too small for a collar. In this situation you can consider a glue on device, such as the MicroLiteTrack 5.

Options

- SWIFT fixes for many more locations
- Sensors: Contact and close proximity, ODBA and VeDBA activity, temperature
- Mortality indication
- Remote data download and upload with potential for UAV download
- Flexible scheduling of GPS + VHF + RF communication for extended operating life
- Deploy multiple collars on the same frequency and distinguish between them by means of embedded collar IDs in the beacon signals
- Geofencing

Features:



Long battery life:

Up to 20 days battery life for 3 GPS locations per day, 40 days battery life for 3 SWIFT GPS locations per day

Small species:

Weighing as little as 100 grams

Light weight:

7 - 10g

Product Applications

Home range analysis, Dispersal, Survival, Reintroductions in historical habitat, Disease transmission, Habitat use and movement behaviour, Translocation studies, Encounter competition, Efficient eradication planning and management.

| Model | MicroLiteTrack 5 | MicroLiteTrack 10 |
|--------------------------------|------------------|--|
| Approx. weight (g) | <7 | <10 |
| GPS life ^[1] (days) | | |
| Regular fixes | | 20 @ 3 fixes per day 6 @ 24 fixes per day |
| SWIFT fixes | | 40 @ 3 fixes per day 8 @ 24 fixes per day |
| VHF life ^[2] (days) | | ~7 |
| Collar width (mm) | - | 4 |

1. Presented numbers are theoretical operating lives at 25 °C using cell manufacturers stated capacity at 20% derating. Actual lives may vary at the extremes of the operating temperature range by up to 50%. Operating GPS life has been estimated with VHF beacon programmed to operate 7 hours per week on average. GPS schedule can be adjusted to match either study length or goals.
2. This is an estimate of how long the VHF beacon continues to operate after GPS records its last scheduled fix.

Features and specifications subject to change without notice.



MicroLiteTrack 5



MicroLiteTrack 10

Technical Specifications:

Frequency Range: 148MHz to 174MHz

Antenna Options:

External Whip Antenna: Vertical / Horizontal

Warranty

Contact one of our telemetry specialists for details about our warranty. For Warranty terms and conditions, please review our [Warranty Statement](#).