



## Coded VHF Radio Transmitters

Technology:  Radio

Product:  Collar

Brush-tailed bettong (*Bettongia penicillata*) © WWF-Australia



## Coded VHF Radio Transmitters for Terrestrial Applications

Lotek supplies the smallest coded VHF radio transmitters available today. These transmitters allow researchers to investigate species smaller than ever. With the advent of multi-species rewilding projects, and the new field of reintroduction biology, there has been an increase in requirements for telemetry systems to monitor survival and mortality for many animals simultaneously. Coded VHF uses a digital code that can simultaneously monitor up to 512 individuals on a single frequency.

Employing an autonomous monitoring and recording system, coded VHF significantly reduces time in the field manually tracking.

### Options

- Supports a variety of user-selectable options and features to extend operational life, data collection and collar retrieval possibilities.
- Sensors: Activity/Mortality (available on all transmitters >20g)

### Features:



Accelerometer



Mortality



Duty cycling

### Lotek Proprietary Codesets:

Field proven codes that are robust and reduce collisions, leading to more data.

### Size Options:

Available over a wide range of sizes suitable for reptiles and terrestrial mammals such as small marsupials, rabbits, bobcat, and moose.

### Sensor Capability:

Activity, temperature, mortality, 12 hr on/off

### Product Applications

- Home range analysis
- Survival
- Presence/Absence

| Model              | Weight <sup>(1)</sup><br>(g) | Antenna<br>type      | Collar Material  | Sensors  |
|--------------------|------------------------------|----------------------|--|--|
| NanoTags           | 0.26 - 12.4                  | External             | -  | 12 hr on/off                                   |
| NanoCollars        | <1 - 3.0                     | External             | -  | -  |
| Core Glue On       | 13 - 18                      | External             | -  | Activity, temperature, mortality, duty cycling |
| V7C Series Collars | 30 - 750                     | Internal or External | Cable tie, leather, hautain, nytop, biothane, brass band | Activity, mortality, duty cycling              |

1. Stated weight may vary by ±5% for standard packaging. Antenna or harness tube selections will increase size and weight. Contact Lotek for more information.

Features and specifications subject to change without notice.



NanoTag



NanoCollar



Core Glue On V2G



V7C (brass band)



V7C 173 A

Technical specifications:  
Frequency range: 148MHz to 174MHz

Timed Release Drop-Off:  
microTRD (10g) available for V7C Series models.  
TRD (35-55g) available for V7C Series models.

## Warranty

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