



PinPoint GPS VHF

Technology:



Satellite



Radio

Product:



Tag



Economical remote download of GPS data, when you can see your subject, but can't catch it

With our PinPoint VHF tags, GPS locations are logged, then a radio-beacon allows you to find your animal and download the data from a distance using our PinPoint Commander and Yagi antenna. Alternatively, the PinPoint Commander can be left in the field to download data when the animal is close enough. For efficient power use, you have the flexibility to schedule the beacon and the remote download at the end of the GPS schedule, or on a periodic basis. New schedules can be remotely uploaded to the tags, e.g. if you want to gather more frequent information because the animal is in a particular location or behaving unusually.

Options

- Sensing Activity or Proximity
- Custom Packaging
- [Solar Models Available](#)

Features:



Temperature



Accelerometer



Mortality



Position



Beacon



Proximity



Duty cycling



Data download (Radio)

Low Cost Download:

No bills for satellite services, with accurate GPS data

Sensor Data:

Activity, Mortality, Temperature and Proximity of other tagged individuals

Flexible Scheduling:

To optimise the best use of GPS acquisition, VHF Beacon, VHF Communication, Activity recording.

Product Applications

PinPoint VHF download works well for species, that are difficult to re-trap to retrieve a tag for download but are likely to stay within or return to a known area. For example, you may wish to know the home range of an animal that does not venture far and can be easily tracked down using the VHF beacon.

Alternatively, a migratory species may return to its nest after migration, and the PinPoint VHF Commander can be left close to the nest to download its migration and wintering area. Significant behavioural data can be remotely downloaded, which would be prohibitive over a remote network for practical or financial reasons.

| Model | PinPoint VHF-50 | PinPoint VHF-75 | PinPoint VHF-120 | PinPoint VHF-240 |
|-------------------------------|--|-----------------|------------------|------------------|
| Standard weight (g) | 3.0 | 3.5 | - | - |
| Heavy duty weight (g) | 4.1 | 4.8 | 5.3 | 8.0 |
| Size (LxWxH) (mm) | 23 x 12 x 6 | 25 x 14 x 7 | 25 x 14 x 10 | 55 x 17 x 11 |
| Estimated number of locations | 90 to 5,500 (dependent on model and schedules) | | | |
| Antenna length ⁽¹⁾ | 5cm GPS antenna, 18cm VHF antenna | | | |

1. Tags can be further customised for attachment method, antenna strength and potting level. Note that these options will affect weight and dimensions. Please get in touch with one of our Avian Telemetry Specialists to discuss your project requirements.

Features and specifications subject to change without notice.

Other battery sizes are available, please contact one of our Telemetry Specialists to find out more.

A PinPoint DLC is required for scheduling, and downloading data if the tag is retrieved after deployment.

A [PinPoint VHF Commander](#) and Yagi antenna are required for remote download.

A manual tracking receiver, such as the [Biotracker](#), and Yagi antenna on an appropriate frequency band, is required to find the tag using the beacon.

Technical specifications:

Operating temperature: -5°C to +50°C

Waterproofing:

Standard & Heavy-duty models: Splash tolerant

Marinised Models: Depth proof to 50m

Warranty

PinPoint GPS VHF tags are warrantied to be free of defects in materials and workmanship under Normal Use for a duration of 80% of Estimated Life to a Maximum of 3 months, whichever is shorter, of their first deployment. For Warranty terms and conditions, please review our [Warranty Statement](#).