

## WW1500AS-AVIAN GPS/UHF tracking device

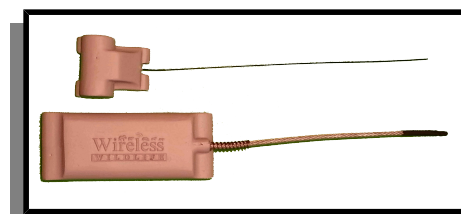


The WW1500AS-avian transmits **and stores** the location and behaviour information periodically, according to an established scenario (user defined schedule), when a defined violation of “normal” behaviour is observed or on request from the user. This data is received in real time by a base station located within range of the tagged animals or the data is downloaded when the animal enters a coverage area.

In addition to the base stations, additional download receivers or “repeater stations” can be positioned within the study area or mounted on vehicles to extend the coverage area of the base station by relaying transmissions from the tags to the base station if required or downloading data from collars and dumping it to the base stations when in range.

The base station re-transmits data to a remote server through a global system for mobile communications (GSM) network. The data is stored and is protected on the remote server through a series of on and off site backup systems.

The location and behaviour of all the tagged animal as well as telemetry systems operational status data can be accessed by a user in real time through an internet based web browser on a password protected website. The communication channels (from the tags to the end user) are bidirectional, which allows the user to change any parameters on the tags or radio tracking and monitoring system via a web-browser.



- ✓ **GPS:** GPS for accurate position calculation.
- ✓ **UHF Modem:** Download range up to 5km (ground) and 10km+ (air to ground).
- ✓ **Data Storage:** All data stored on-board.
- ✓ **Sensing Capabilities:** Activity and temperature sensing. User specific sensors can be added.
- ✓ **Advanced Scheduling:** Scheduling remotely changeable.
- ✓ **“Position-on-Demand”:** GPS location of the animal within 5 minutes of operator request.



## **BATTERY LIFE**

The battery life of the WW1500AS device is dependant on GPS conditions and the frequency of "Position-on-Demand" requests as well as the GPS and sensing sample rate. Typical life projections:

| Battery | 2 GPS fixes/day | 4 GPS fixes/day | 12 GPS fixes/day | 24 GPS fixes/day | 48 GPS fixes/day |
|---------|-----------------|-----------------|------------------|------------------|------------------|
| 2/3AA   | 300 days        | 200 days        | 83 days          | 44 days          | 22 days          |
| AA      | 1.4 years       | 339 days        | 140 days         | 74 days          | 38 days          |
| 2AA     | >3 years        | 2.5 years       | 1 year           | 204 days         | 105 days         |

- For alternative life projection calculations please send a request to [info@wireless-wildlife.co.za](mailto:info@wireless-wildlife.co.za) .
- Power consumption calculations are based on good GPS signal conditions.

## **PACKAGING**

Please contact us at [info@wireless-wildlife.co.za](mailto:info@wireless-wildlife.co.za) to discuss alternative packaging options.

## **WARRANTY**

The WW1500AS device is under warranty for one year from the date of shipment or for 50% of the projected battery life under normal circumstances, whichever occurs first.