# Small WildCell


## Wildlife collars with 2-way communication via GSM

- Receivers
- Dataloggers
- Radio transmitters
- Acoustic transmitters
- Archival tags
- GPS systems

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- Hydrophones
- Wireless hydrophones
- Physiological transmitters
- Depth transmitters
- Accessories
- Consulting

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# Small WildCell

## Specifications

| | WildCellSL | WildCellSLG |
|---|---|---|
| Housing dimensions (cm) W x H x D<br>Battery dimensions (cm) W x H x D | 7.8 x 2.5 x 4.7<br>8.5 x 4.8 x 3.8 | 7.8 x 2.5 x 4.7<br>8.5 x 3.5 x 3.6 |
| The collar contains | GPS receiver<br>GSM cellular modem<br>VHF tracking beacon | |
| Features | Mortality sensor<br>Temperature sensor<br>2 axis activity sensor<br>Advanced scheduler<br>Hibernation sensor | |
| Options | Drop off compatible (call Lotek for availability)<br>Basic or advanced differential correction *<br>WAAS, Egnos compatible (call Lotek for availability) | |
| GSM ground station | Function:<br>- To receive SMS messages containing GPS locations from the collars<br>- To send a new schedule to the collar by using the specialized software and a PC or laptop | |
| Total collar weight/size | Approx. 270g (dependent on belt type and size) | Approx. 230g (dependent on belt type and size) |
| Operational life/battery pack **<br>3 months***<br><br>6 months***<br><br>1 year*** | <br>GPS locations every 1 hour<br><br>GPS locations every 2 hr. + 10 min.<br><br>GPS locations every 5 hours | <br>GPS locations every 1 hr. +15 min.<br><br>GPS locations every 3 hours<br><br>GPS locations every 8 hours |
| User replaceable battery pack | 3B59 | 3B60 |
| User programmable via cable with download link | GPS & beacon schedules<br>Mortality delay<br>Time | |
| Remote upload by phone | GPS & beacon schedules | |
| Remote download by phone | Data & diagnostics | |
| VHF beacon frequency | Customer specified<br>143-155 MHz | |
| Operating temperature range | -30˚C to +50˚C | |
| Software interface<br>(includes host software) | Windows 2000® or higher recommended | |

* The differential data cannot be sent remotely through SMS.

** Battery life estimates are approximate and may vary due to variance in individual battery capacity as per manufacturer, as well as operating conditions including ambient temperature, landscape, species, etc.

*** An SMS message is sent after 7 acquired GPS fixes. The average time to calculate a fix is 90 seconds.



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