

ATS G5M Iridium GPS Collar

The most accurate and reliable tracking system begins with ATS tracking systems



Get your animal's data anywhere you have internet access.

The model G5M uses the Iridium satellite to downlink GPS location data collected by the collar. An integrated VHF transmitter allows you to track the animal in the field. Also, the G5M series provides a radio-link with ATS' Neolink series of VITs and Fawn Collars in order to monitor a doe and its fawns. Release unit is re-useable for life of the collar.

Your collar's GPS location data is uploaded to ATS' managed Iridium website (ATSIDAQ.com) according to the schedule you choose. A Google Earth data file is included. The G5M collar is programmed wirelessly using the included Windows-based software. You can control how often fixes are collected and stored how often data is uploaded to the ATS Iridium website (up to six per day), and how often the VHF beacon will transmit (this allows you to maximize battery life). You can also remotely command program changes to the fix rate, mortality schedule, fix duration time, and Iridium data transmission interval using the website.

- Weighs just ~480-780 grams
- G5M Series includes Neolink radio-link for doe and fawn monitoring
- Receive up to 24 location fixes per day, up to 6 downloads per day
- Long life:
 - 4 years @ 3 locations/day
 - 3 years @ 12 locations/day
- 12 months G5M-2A (VHF beacon on 8 hours/day)
- Remotely commanded release via website, mechanical release
- Remotely modified user selectable location and data transmission schedule
- Low battery "fail safe" collar release

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ATS G5M Iridium/GPS Collar

Large Data Transmission Capacity – Receive animal location data via website, up to 24 location fixes per day, up to 6 downloads per day. Data files include: latest location, aggregate location since deployment (both .txt), and Google map compatible (.kml).

Collar Release – Log on to the Iridium website, where you may relay the release command to the Iridium collar. (New mechanical release system) Release unit is re-usable for life of the collar.

Low Battery Release – Collar will automatically drop off when the battery reaches the end of its life.

Programmable GPS Sampling Rates – User programs the number of fixes to collect per 24 hour period in one hour increments, and the calendar days of the year on which to collect fixes. Program may be remotely modified via website.

Standard VHF Beacon Included – VHF transmitter is user programmable on a daily on/off hourly schedule. The minimum on time is one hour per day. Turning off the VHF transmitter during periods when it will not be monitored saves power, enabling longer battery life.

Windows® Based Collar Communication Software Included – Software is used to program the collar location fix rate, VHF beacon and duty cycle. Compatible with most MS Windows® OS's. Changes to program may also be remotely commanded on-the-fly via the ATS Iridium website.

Activity Sensor Included – Reports percentage of time active since the last GPS coordinate was recorded.

Mortality Sensor Included – Allows the researcher to know when the animal has not moved within a 4, 6, 8, 10 or 12 hour time period. The mortality schedule may be changed via website command. Mortality notifications are sent via e-mail.

Ambient Air Temperature Sensor Included – Records external temperature each time a GPS location is acquired, accurate to ± 2 degrees Celsius with resolution to one degree.

G5M Iridium/GPS Collar Specifications

BATTERY

2 "A", "D" and 2 "D" batteries available

Typical life is variable; factors affecting life include number of GPS fixes per day, number of Iridium data transmissions per day, visibility of GPS and Iridium satellites, and VHF on-time per day.

Typical Life with VHF beacon on 8 hours/day:

4 years @ 3 locations/day, uploaded weekly | 3 years @ 12 locations/day, uploaded daily
*12 months for the G5M-2A

MEMORY

- On board data storage • Datum = WGS84
- 256K nonvolatile data storage memory (64,000 GPS locations)

PHYSICAL:

Weight:	~780 gram (1.7 lbs) 2 "D" Size ~580 gram (1.3 lbs) 1 "D" Size, ~480 grams (1.05 lbs) 2-"A" Size
Electronics Box size:	10 long x 6 wide x 4 cm high (4 x 2.25 x 2") Silicon reinforced
Electronics Box material:	polycarbonate plastic
Collar size	5 cm (2") wide Neoprene Belting Circumference made to customer specifications

WARRANTY

New GPS collars include a limited warranty for one year from the time of shipment, or up to the calculated minimum battery life, whichever occurs first.

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