



Drop-off Mechanism for Lotek collars

Product:  Accessory

Red fox (*Vulpes vulpes*)



Timer and Radio Release Mechanisms

Capturing and recapturing for collar deployment is a stressful event for the animals and costly endeavour for the biologists. Lotek's drop off solutions are designed to reduce the cost associated with recapture, as well as the stress on the animal. The choices offered can cover deployment on a multiple array of species. The weights of drop offs vary from 10g – 121g. The release principles include timer countdown, radio command for release up to 5 years, and release by Iridium command. Contact your Telemetry Specialist to discuss suitability of dropoff model for your study goals.

Options

- Choice of 3 drop-off mechanisms:
 - TRD (Timed release device) drop off by timer countdown
 - TRRD (Timed radio release device) drop off by timer or radio command
 - TRRD-VHF (Timed radio release device) timer, radio or Iridium command
 On-demand triggering allows full control of release location. Units equipped with radio are also equipped with timer as a backup.
- Either send existing collars to Lotek to be retrofitted, or do it yourself.
- Compatible with most Lotek GPS and VHF collars.

Features:

Versatility:

The dropoffs solutions are compatible with most Lotek GPS and VHF collars.

On-demand triggering:

Allows full control of release location.

Long battery life:

Units may be released on command or set for release up to 60 months from moment of deployment.

Product Applications

Long battery life: Units may be released on command or set for release up to 60 months from moment of deployment.

Model	Micro-TRD	Mini-TRD	TRD-L	TRD	TRRD/ TRRD-VHF
Weight (g) ^[1]	10	16	30	40	121
Size (LxWxH) (mm)	28 x 15 x 12.5	30 x 15 x 16.5	32 x 30 x 22	32 x 30 x 22	61 x 41 x 25
Life (months)	12	12	60	60	60
Time resolution ^[2]	Set days, 365 max.	Set days, 365 max.	1 week increments	1 week increments	1 week increments
Time programming ^[3]	At Lotek only	At Lotek only	At Lotek only	At Lotek only	At Lotek only
Operating distance ^[4]	-	-	-	-	<400m
Tensile strength (kg)	10	~60	30	400	400

1. Weight does not include mounting hardware.
2. Activation by relative time function (not absolute time) is initiated by a magnet.
3. Once a time is programmed into the mechanism at Lotek, it cannot be changed unless the electronics are replaced.
4. Operating distance in line of sight OR via Iridium command for TRRD-VHF.

Features and specifications subject to change without notice.



Micro-TRD



Mini-TRD



TRD-L/TRD



TRRD/TRRD-VHF

Technical specifications:

Operating temperature range:

Micro-TRD and Mini-TRD: -10°C to +50°C

TRD-L/TRD and TRRD/TRRD-VHF: -30°C to +50°C

Warranty

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