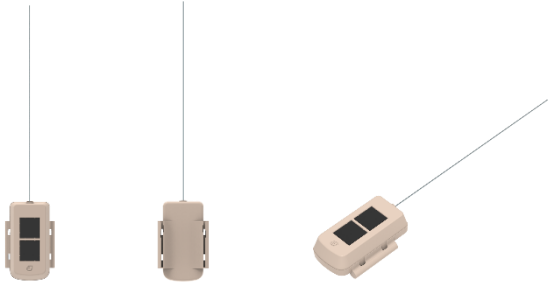


Product Introduction

Debut[®] FLEX C3

Debut FLEX C3 is solar-driven GPS-GSM/GPRS -ACC trackers suitable for backpack deployment. Besides, it also has a VHF module to function as a beacon. With certain triggering condition, the VHF beacon will be activated to allow users to recover it from the field.

BASIC SPECIFICATIONS

MODEL	FLEX C3
Appearance	
Dimensions (LWD)	67 mm × 33 mm × 40 mm (antenna not included, and the lower housing customizable to have different height)
Weight	60 g
Battery Capacity	210mAh lithium polymer rechargeable battery, with under-and-over-charging protection
Battery Life	Over 2000 GPS positions under optimal GPS satellite view at 5-minute interval
Solar Type	GaAs solar unit (30% efficiency) with good performance under weak light
Transmission	GSM/GPRS
Beacon	VHF
Antenna	External, titanium alloy with protective coating
Housing	ABS injection molding with excellent toughness and environment tolerance, multiple harness threading holes
Available Colors	Light brown
GPS Module	Precision: CEP (50%) 5m Maximum update rate: 10 Hz
Working Temperature	-20°C~60°C (good for cold winter as close to animal body)
Waterproof	IP 68

Firmware Upgrade	Remotely via network, or instantly via INTELINK
Working Schedule	Remotely via network, or instantly via INTELINK
Global Roaming	Support
SMS Function	Support (upon request)
Data Storage	Logged data will be stored in memory when network is unavailable.
Online Data Portal	Yes
Movebank Synchronization	Yes

DATA TYPES

- GPS: longitude, latitude, altitude, geoid height, course, satellite quantity
- ENV: voltage, light intensity, temperature
- BHV: ODBA (overall dynamic body acceleration)
- ACC: x/y/z acceleration data (upon request)
- BSS: longitude, latitude, altitude (alternative locating method for extreme situation)

DATA COLLECTION & TRANSMISSION SETTING

■ Regular-Interval Mode

- GPS interval: 5 min ~1 day
- ENV interval: 5 min ~1 day
- ODBA interval: 10 min/30 min
- ACC interval: 25 Hz, 3 seconds in every 10 min (by default)
- Transmission interval: 5 min ~1 day

(Contact us if other settings are required.)

■ On-Time Mode

- Transmission: Up to three times at fixed hours per day (such as 13:00/14:00/18:00)
- GPS/ENV/BHV: Regular-interval model or on-time model follow each transmission

■ Sleep Mode

This mode is to deactivate certain type of data collection for:

- a certain period (from minutes to months)
- a regular period each day (up to 16 hours)

INTELLIGENT FREQUENCY OPTIMIZATION & FLIGHT DETECTION (BOOST)

The BOOST function intelligently increases data collection & transmission frequency when the charging condition is good or the bird is flying. The default setting is as below:

- Frequency Optimization: every 10 min/1 min
- Flight Detection: every 20 sec

With BOOST, the device portrays detailed movement tracks without manual intervention and avoids the possibility of battery drain due to radical settings in bad weather.