iTraQ

Butterfly User Guide

iTraq

Global Location Tracking Device with the Longest Battery Life

Key benefits

Gives you peace of mind by helping you keep track of your loved ones and valuables.

Has extra-long battery life (up to 4 months) on a single charge.

Works globally. Includes free trial period.

Provides accurate reporting both indoors and outdoors.

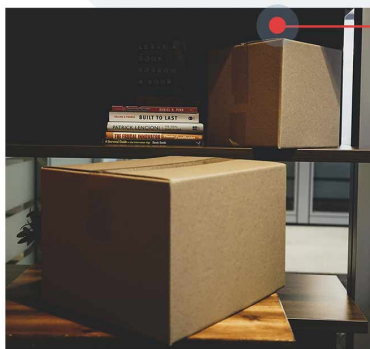Can be triggered to report when motion is detected.

Is very small (2.16 x 2.16 x 0.43in) and lightweight (1.09oz).

Reports ambient temperature and can be triggered when it reaches some threshold.

How It Is Used

In the CONSUMER world

- Track your loved ones and valuable belongings.

- Feel safer knowing where the person you love is located. Get an alert when they leave the safety of their home.

- Attach iTraq Butterfly to your luggage and make sure that no matter what country it is, you will always be able to find it.

- Keep iTraq Butterfly in your car or on your bicycle and report its location to the authorities in case of theft.

In the BUSINESS world

Use iTraq location tracking Platform and API to:

- Track your valuable assets
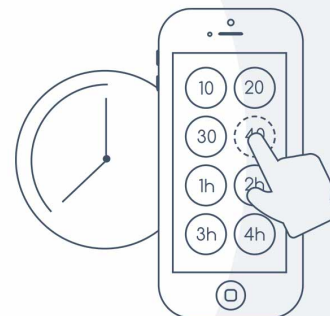
- Track your shipments

Get Started

1. Download the iTraq Butterfly mobile application and Sign Up

Download on the **App Store**

GET IT ON **Google Play**

2. Add your iTraq Butterfly
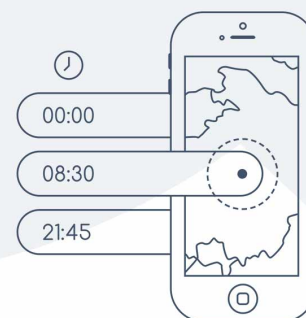
Scan the QR code or enter the Serial number.
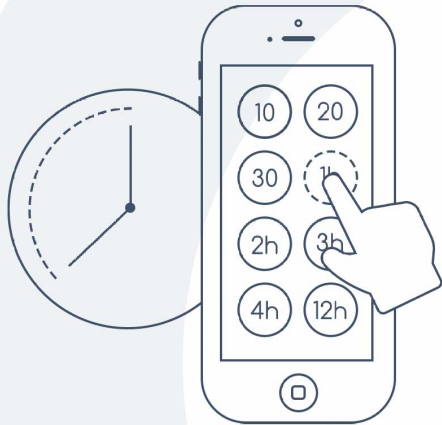
3. Set up the schedule for location reports

This schedule will be sent to the iTraq Butterfly during the next communication session Get Started.

10	20
30	
1h	2h
3h	4h

4. Check the location of the device

iTraq Butterfly reports its location on the schedule you set. It can take a few minutes for the first report to appear.
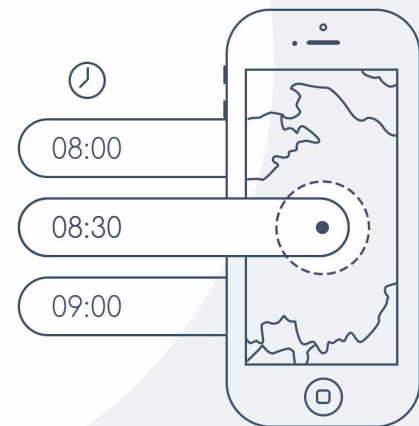
00:00

08:30
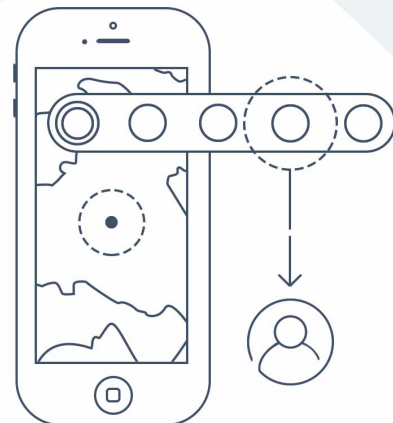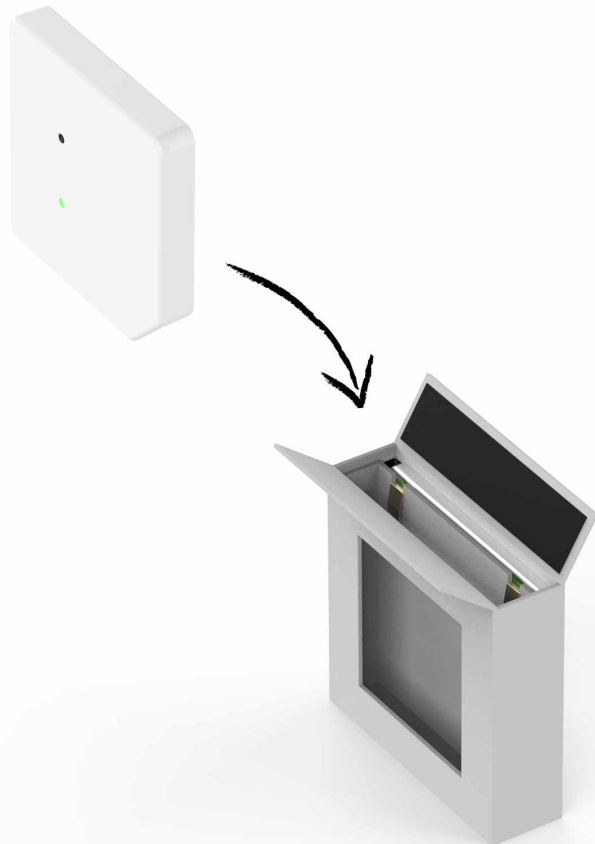
21:45

Important Information

- iTraq Butterfly is NOT a real-time tracker. iTraq Butterfly operations are driven by a defined schedule. Using free iTraq Butterfly mobile application (iOS or Android), you can define the frequency of the location reports. These reports can range from every 15 minutes to every hour. The battery life depends on the frequency of the reports. The more reports per day – the shorter the battery life.

- Please note that between reports iTraq Butterfly is in a deep sleep state, preserving the battery. However, it can be triggered to report by motion or temperature sensor.

- If you have multiple iTraq Butterfly devices, you can track them all in a single mobile application.

- You can share iTraq Butterfly device with other people. They will be able to see the location of the shared iTraq Butterfly, but will not be able to change settings.

The **iTraq Butterfly** is a very small, powerful, yet low-cost hybrid tracking solution designed to track all your shipments and high-value assets with ease and precision.

The two-part solution is comprised of a reusable tracking device with cutting-edge tracking technologies to provide precise location information, indoors and outdoors, and a disposable cardboard case with integrated battery that powers iTraq Butterfly while your shipment travels.

To activate iTraq Butterfly, simply place the tracker into the cardboard enclosure. Peel off the tape, attach to your shipment, and enjoy iTraq's high-end tracking capabilities. Plus, the tracking device can be re-used with a new cardboard case, if desired.

Product Highlights

- Reports accurate location from both outdoors and indoors

- Has extra-long battery life to perform up to 1,300 reports during the life of the device (lab tests at 22.5°C / 72.5°F)

- Can be programmed to report location on various schedules, ranging from every 5 minutes to once per week

- Can be triggered to report when motion is detected

- Can automatically turn off/on the radio when flight mode is detected

- Reports ambient temperature; can be triggered to report when temperature reaches a specified threshold

- Equipped with a light sensor to monitor unauthorized access to the shipment

- Equipped with a battery that has a long shelf life, is not restricted for transportation, is safe for public use, and is compliant with IEC safety standards

- Can be configured and managed via iTraq Platform and/or API

General Specifications

Dimensions (enclosure)	55 x 55 x 17 mm
	2.16 x 2.16 x 0.67 in
Weight (tracker & enclosure)	52 g (1.83 oz)
Battery	3.0v, primary, LiMnO2, 3000 mAh
SIM Card	Mounted onboard (MFF2)
Operating Temperature	-20□C ~ +60□C (-4□F ~ 140□F)

Features

3-axis Accelerometer	Yes (trigger only)
Temperature Sensor	Yes (report & trigger)
Light Sensor	Yes (report & trigger)
Barometer Sensor	Yes (report & flight detection)

Navigation

Wi-Fi Triangulation	Yes (On/Off configurable)
GPS & GLONASS	Yes (On/Off configurable)
Base Station Triangulation / Cell-ID	Yes

Wireless

Data	LTE Cat M1 / NB1 / 2G fallback
	(powered by Quectel BG96 module)
Bluetooth	v5.0 (configurable)
Wi-Fi	2.4 GHz (location detection only)

Power & Battery

Number of reports, max	1,300
Battery shelf life, max	10 years
Battery charging	Not supported
	(replaceable battery)

Materials

Housing (tracker)	Matte finish painted plastic
Dust / Water resistance (tracker)	IP68
Housing (enclosure)	Cardboard

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

－－ Reorient or relocate the receiving antenna.

－－ Increase the separation between the equipment and receiver.

－－ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

－－ Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Specific Absorption Rate (SAR) information:

This smart phone meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

This cquipment should be installed and operated with minimum distance of 1 cm the radiator your body.