

Short Documentation EQTrace click



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1. Functionality

The EQTrace click is an LTE-GPS-Tracker that offers the following functions:

- Current position for optimized transport and service
- Daily transmission of position/usage time
- Fastens in seconds with a “click” (permanent magnet)
- Theft protection for work area, rest area, times of day
- Powered by internal battery

The EQTrace Click is installed in just a few seconds using a permanent magnet. It is suitable for equipment rentals, trucking companies, service vehicles, RVs, trailer rentals, vehicle rentals and construction companies, among others.

The data is transmitted via LTE to the Obserwando server www.obserwando.de. All data can be accessed in the Obserwando portal with the respective vehicle name. Vehicle position is also available on Android smartphones, Windows Mobile or iPhone.

2. Installation

The EQTrace Click can be attached to metal using a permanent magnet. It can also be screwed with four screws. The EQTrace Click is powered by a builtin battery. If the battery is empty, it must be charged at a charging station.

3. Charging station (Necessary accessories)

The charging station is used to charge the EQTrace click and to set the desired Operation mode.

In order to be able to set an EQTrace click in the desired operating mode, set the device before you install it, briefly (approx. 10 seconds) on the charging station. After leaving the charging station, The EQTrace click tries to connect to the Obserwando server and stays in contact with the server for about 5 minutes. Within these 5 minutes the operating mode can be adjusted in the Obserwando Portal.

4. Setup EQTrace-Click-mode

Choose the following menu inside Obserwando.de: Set up machine -> EQTrace Click mode.

Here you can select a machine group and/or a machine.

Choose the mode for the selected EQTrace click. The modes determine how often and when the recorded data are transmitted to Obserwando.

The modes speak of the beginning and end of the movement, so the time of use the machine / the vehicle.

Theft Alarm

Every time, EQTrace click recognizes theft, an alarm message will be send. This happens independend of the installed setting.

Possible EQTrace click modes:

- **Deep sleep mode, no data acquisition only position acquisition in the adjustable period:**

Only the clock is running if this mode is installed and EQTrace click awakes once a day. GPS coordinates and the voltage of the rechargeable battery will be transfered to the Obserwando server. The awaking interval begins when the battery charge ends.

- **Data recording via accelerometer, data transfer when movement stopps:**

If the monitored object is at rest, the device shuts down all not required components and monitors only the acceleration sensor. As soon as the acceleration sensor registers movement, the time stamp for the start and end of the movement is save. The point in time at which the end of movement is detected can be set. After the end of the movement has been detected, the recorded data is transmitted to the server. The GPS coordinates are recorded when sending at the end of the movement.

- **Data recording via acceleration sensor with cyclic data transmission daily:**

If the monitored object is at rest, the device shuts down all components that are not required and only monitors the acceleration sensor. As soon as the acceleration sensor registers movement, the time stamp for the start and end of the movement is saved. The point in time at which the end of movement is detected can be set. After the end of the movement has been detected, the recorded data is transmitted to the server. The GPS coordinates are recorded during transmission at the end of the movement. In this operating mode, in addition to the data transmission after the end of the movement, a status report is also sent once a day.

The transmission of the status report takes place even if no movement has been registered. The transmission interval begins when the battery charge ends.

- **Track recording at 15 minute intervals, data transmission once an hour when in motion:**

If the monitored object is at rest, the device shuts down all not required components and monitors only the acceleration sensor. As soon as the accelerometer registers movement, the data is recorded via the accelerometer. Additional, if movement, the GPS receiver is switched on every 15 minutes and the current position is recorded. The transmission interval for the collected data is one hour.

If the object is at rest, no data are sent.

- **Track recording at 15 minute intervals and cyclic transmission once a day:**

If the monitored object is at rest, the device shuts down all components that are not required and only monitors the acceleration sensor. As soon as the accelerometer registers movement, the data is recorded via the accelerometer.

In addition, when there is movement, the GPS receiver is switched on every 15 minutes and the current position is determined.

The device transmits the data to the server once a day and sends all the data collected up to that point.

This connection is established regardless of whether there is movement or not.

The transmission interval begins when the battery charge ends.

- **Track recording, data transfer after movement stops:**

If the monitored object is at rest, the device shuts down all components that are not required and only monitors the acceleration sensor. As soon as the accelerometer registers movement, the data is recorded via the accelerometer. In addition, when there is movement, the GPS receiver is switched on every 15 minutes and the current position is recorded.

In this mode there is no automatic, timecontrolled connection to the server.

The recorded data is always transferred after the end of the movement has been detected.

- **Track recording at minute intervals, broadcast once an hour when there is movement. Weekly status report.**

If the device registers movement, status messages with the current GPS coordinates are generated every minute. The generated status messages are sent every hour. In addition, a report is sent weekly regardless of movement.

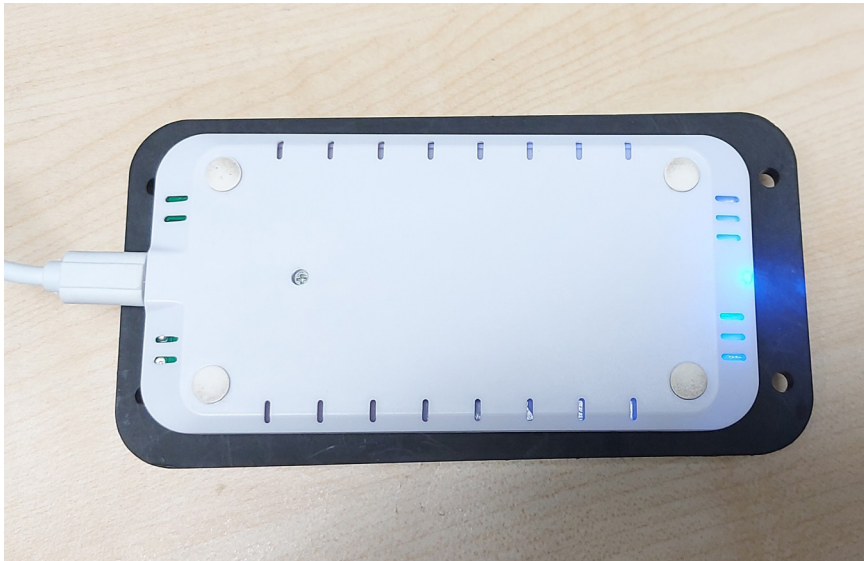
- **Track recording at minute intervals, broadcast every five minutes when there is movement. Weekly status report.**

If the device registers movement, status messages with the current GPS coordinates are generated every minute. The generated status messages are sent every 5 minutes. In addition, a report is sent weekly regardless of movement.

Some modes needs a transmission interval. For this you have to set a base interval in days and a multiplier.

5. Charging the EQTrace click

You can charge the EQTrace Click using the charging station (necessary accessory). Place the device as shown in the following image.



The charging station LED lights up red when it is switched on.

If the EQTrace Click is positioned correctly, the LED on the charging station lights up blue. The EQTrace click is now charging.

If the EQTrace click is misplaced, the charger LED will start flashing.

Take the EQTrace Click from the charging station and wait until the LED on the charging station lights up red.

You can now place the EQTrace Click back on the charging station.



6. Technical data

Operating voltage:	Supply via built in battery
Inputs:	1 virtuel
Protection:	IP68
Temperature range:	-20°C - +70°C
Housing dimensions:	L*B*H (mm) = 112 * 68 * 19,2
Transfer procedure:	LTE in germany with national Roaming (D1/D2/O2)

7. Necessary accessories

- Charging station (item no. 46000106)

8. Scope of delivery

1. EQTrace click

9. Contact and help

Do you need help or have a question?
Then you can reach us at the following contact details:

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