

EQTrace click



Short Documentation



Introduction

This guide describes the EQTrace click installation. Please notice that the EQTrace click must be switched on for the installation. Please follow the instructions in "Charging station".

Charging station

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.

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 independent 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 transferred 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 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 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, time-controlled 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 need a transmission interval. For this you have to set a base interval in days and a multiplier.