

# Manual



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## PROTHELIS SAYS THANK YOU!

We are delighted that you have chosen to purchase an **area** GPS tracker from Prothelis and thank you for the confidence you have shown in us.

### 1 Important Note

Please note that *area* requires approximately 24 hours after activation to achieve optimum functionality. The activation process is indicated by a flashing LED light after the GPS tracker has been connected to the power supply. Before the activation process starts, the battery requires a minimum level of charge. This may take up to 20 minutes.

## 2 Package contents

- *area* (GPS-Tracker)
- USB cable
  - We recommend a 5V - 2A mains plug (not included), which is suitable for mains voltages from 100 to 240V.
- PTE-holder
  - The holder is used to attach the GPS tracker and can be used universally, e.g. on a dog collar, belt etc..

## 3 Activating area

1. Go to <https://my-prothelis.de/activate> and create a user account.
2. Register your GPS tracker and choose a service package for the desired period.
3. Connect the GPS tracker to the power supply.

The GPS tracker flashes and should not be removed from the power supply until the activation process has been completed. Once the GPS tracker has been activated, it stops flashing and is ready to use.

While trying to register within the network for the first time the GPS tracker flashes in blue light. If the network registration was successful, the device updates the firmware, if necessary, which is indicated by a blinking white light.

During the whole process, the GPS tracker also charges the battery, as it is connected to the power supply. While the GPS tracker is charging the LED shows an animated green, and when the battery is charged a constant green light.

### INFO

The service package is needed to use *area* and the 24h messaging service.

## 4 Installing the app

Download the free Prothelis app from the App Store or Play Store, or scan in the QR code below.

Sign in to your account.

The GPS tracker is now ready for use.

The web app is available here: <https://my-prothelis.de>

App Store (iOS)



Play Store (Android)



Table 1: Mobile App QR Codes

## 5 Using your GPS tracker

Once successfully activated you can use your GPS tracker straight away. Your GPS tracker's current position and battery status can now be seen in the Prothelis app.

If you have any other questions or suggestions regarding our products, please contact us at: [support@prothelis.de](mailto:support@prothelis.de)

### 5.1 Charging your GPS tracker's battery

Connect the GPS tracker to the power supply. The GPS tracker starts the charging process automatically.

The charging process is indicated by an animated **green** light on the GPS tracker. Once the charging process is complete, the light changes to a constant **green**.

The Prothelis app informs you when the battery is low. The GPS tracker also indicates this with a flashing **red** light.

## 6 SAFETY INFORMATION

**Before you begin using the GPS tracker you must please read through this safety information.**

It includes important information that guarantees the GPS tracker is used correctly.

### 6.1 General

The GPS tracker and its accessories can only be used properly if you are familiar with the operating instructions and with the safety information and terms of use. Being familiar with this will protect you and your environment against hazards.

In addition to the mandatory requirements contained in this safety information, please also exercise the care that is typically required when using electrical appliances in traffic situations. Please contact us if you have any concerns regarding the safety information. We will be happy to help you. Any use of the GPS tracker and its accessories other than for the intended use is prohibited. Any claims for damages against Prothelis GmbH that are caused by use other than for the intended use are excluded. All the specifications and information have been compiled taking the current state of technology and engineering development standards into account.

### 6.2 First steps

Remove all the elements from the packaging and check that everything is present. All products are subject to a restrictive quality control. Nevertheless, please check that the elements (in particular the cable) are intact. Sources of danger are,

for example, cracks in the cable insulation. Only activate the GPS tracker and its accessories with the help of the quick start guide or the operating instructions.

The GPS tracker and accessories are not intended for people (in particular children) who cannot assess the implications of electronic and technical features and can therefore not handle them. Children in particular cannot assess the potential hazards, such as swallowing or improper use. The same care must be taken with animals and pets. The GPS tracker may only be charged in an ambient temperature of 0 °C to 45 °C. Otherwise the battery could be damaged.

### 6.3 Safe storage

The GPS tracker and accessories must be stored in such a way that they are out of reach of the aforementioned people or animals and pets. The GPS tracker has been developed for use in temperatures ranging from -20 °C to 60 °C. Please always ensure that the GPS tracker is not exposed to any heat sources that exceed the aforementioned temperature. Otherwise it may overheat and in extreme cases lead to the battery and GPS tracker being damaged, with serious consequences such as smoke or fire. Please refrain from having the GPS tracker or accessories engraved. This could lead to anything from an impairment of functionality to a complete breakdown of the GPS tracker, as well as potential hazards such as overheating.

### 6.4 Attaching the GPS tracker safely

The cable and charger must be protected from moisture. Always ensure that nobody but you has access to the charger and cable. Heavy mechanical strain or constant, unusually strong vibrations must be avoided. Please always ensure that the GPS tracker is attached safely to the object being tracked.

- Always ensure that the GPS tracker is attached to the object being tracked in such a way that it is not exposed to any excessive heat. (GPS-Tracker is attached under a vehicle's bonnet).
- The GPS tracker and accessories must not be attached and stored in or near heating and gas equipment or similar.
- When attaching the GPS tracker to motorised and non-motorised modes of transport always ensure that it is not attached in a place that could impair steering or functionality.
- When transporting (heavy) goods the GPS tracker must be attached in such a way that there is no chance of it being deformed as a result of a long journey.
- The permanent use of the GPS tracker in and around transmitters (radar systems, transmission masts and similar) may lead to interference and impair the GPS tracker's mode of operation.
- Interference can occur with objects which contain magnetic strips or chips (credit, debit or similar payment and identification cards). In extreme cases, this can lead to damage to the GPS tracker or to the object itself. Try to keep the GPS tracker as far away from such objects as possible.

### 6.5 Damage

It is prohibited to use the GPS tracker and its accessories if it can no longer be used in the way it was intended (cracks in GPS tracker's casing, no visual indicators displayed when placed in charger, charging cable damaged, or similar). Please contact us or one of our licensed partner companies.

### 6.6 Battery/Waste disposal

Under the EU Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE), electrical and electronic items may not be disposed of together with household waste. Consumers must hand over any waste equipment that cannot be used any more to a separate collection point. By doing this it is ensured that waste equipment is properly recovered

and recycled, preventing any negative impact on the environment. The same applies to batteries in accordance with the Battery Ordinance (BattV). It is prohibited to dispose of them in the household waste. Used batteries/ rechargeable batteries may be returned free of charge to collection points in your community.

**Never try to remove the battery from the device!**

## 7 Declaration of conformity

Prothelis hereby declares that the GPS tracking device *area* (article no. 090548-02) complies with the essential requirements and other relevant provisions of Directive 2014/53/EU. The complete text of the Declaration of conformity can be downloaded from the following website:

<https://prothelis.de/conformity>

## 8 Warranty

The statutory warranty period applies in each case.

## 9 Technical Specifications

### 9.1 Location Method

- GNSS (Global Navigation Satellite System)
- GSM (Global System for Mobile Communications)

### 9.2 Connection

- GPRS

### 9.3 Protection Class

- IP 67

### 9.4 GNSS Receiver

- GPS + GLONASS
- Accuracy: <2.5 m (CEP)

### 9.5 GSM Module

- GSM 900 33dBm (2W)
- GSM 1800 30dBm (1W)

### 9.6 SIM Card

- Embedded SIM (integrated)

## **9.7 User Interface**

- Status LED
- Mobile app
- Web app for PC

## **9.8 Accumulator**

- Intelligent power management
- 630 mAh LiPo accu
- Chargeable via USB
- Lasts up to 10 days during active usage

## **9.9 Temperature**

- Charge: 0 °C to +45 °C
- Usage: Use in ambient temperatures from -20 °C to +60 °C

## **9.10 Inertial Navigation System (3-Axis Sensor)**

- Accelerometer

## **9.11 Parameter**

- Height: 26 mm
- Width: 30 mm
- Length: 65 mm
- Weight: 38 g (+/- 2 g)