

# Benefon TrackKeeper



## Standard package contains:

- Trackbox GSM+ GPS900/1800
- Standard Li-ion battery 1700 mAh
- Rubber seal
- Quick mains charger
- TrackKeeper software CD
- English language user manual and installation guide
- Configuration PC software (BeneWin requires cable)
- Communication protocol specifications (AT & MPTP)

## Product description

Benefon TrackKeeper NT is an unique and simple GPS - locating and tracking solution for securing a company's personnel and assets. Benefon TrackKeeper NT does not require any installation procedures. It also moves with the target anywhere and can easily be transferred from one vehicle to another depending on tracking need.

Typical usage areas can be different hired equipment, vehicles that are used in different tasks inside the company and also staff that need tracking for security reasons during their shift.

Benefon Mobile Phone Telematics Protocol (MPTP), a sophisticated set of telematic commands:

- Locating commands, position, history
- Area tracking commands
- Emergency commands
- Remote configuration

## Order code

ZVXX58

## **BENEFON TrackKeeper NT**

Operating range from -20C to +55C (charging only above +0C).

Can be utilised e.g. in applications where telematics and robustness is a must, ranging from Search and Rescue (SAR) to locating your lost co-worker.

Fully autonomous operation with integrated high gain GPS antenna, GSM antenna (optional cross country antenna ZE2102) and battery.

Support for Mobile Phone Telematics Protocol (MPTP) offering e.g. remote control/configuration, position request, geo fencing and battery report.

AT-command interface (subset of V25TER, GSM 07.05, GSM 07.07 and Benefon commands).

Circuit Switched Data and NMEA data ports.

Listen-in functionality with integrated microphone or full voice connection over optional external headset (ZE5520).

## **GSM STANDARDS**

- EGSM900/1800MHz

## **GPS**

- Active antenna 12 channels
- Cold Start 60s (typical)
- Warm Start 45s (typical)
- Hot Start 4s (typical)

## **OPERATING TIMES W/1700Battery**

Continuos operating mode	StBy/GSM ON	GSM Talk	GPS Full Power	GPS Low Power
Operating time	100h-280h	5h-15h	22h	48-77h

Activity timer actions Operating time	GPS position once / hour 13 days	GPS position every 24 hours 150 days
Activity timer actions Operating time	GSM ON once / hour 46 days	GSM ON every 24 hours 180 days

Operating times can vary substantially depending on distance to base station, SIM card, temperature, network usage, GPS operating mode, GPS satellite visibility and GPS usage. Presented values are calculated at +20C in typical conditions.

## **COMMUNICATION**

- MPTP (mobile phone telematics protocol)
- Voice, FR & EFR with build in microphone and/or accessory headset ZE5520
- SMS
- Circuit Switched Data, 14.4kbs
- AT-command interface (subset of V25TER, GSM 07.05, GSM 07.07, Benefon proprietary)
- NMEA0183 2.0, subset (output only)

## **ENVIRONMENTAL**

Handset: IPX4(w/ supplied rubber seal)

## **LIMITATIONS OF USE**

- GPS only works with unobstructed view to satellites
- Communication only works, with valid SIM and operational GSM network

## **FEATURE HIGHLIGHTS:**

- Dedicated Emergency call /SMS input
- Remote On/Off timer, periodical operation
- Tracking, various triggers
- Geo Fencing
- Simple location request with history log
- Remote configuration of all settings
- Data capability NMEA & GSM data