



BENEFON  **.com**



TRACK one

Safety for everyone

Benefon Track One is a state-of-the-art communication device with a combination of full-feature Dual Band GSM Phone, high-performance GPS-receiver and Mobile Phone Telematics Protocol (MPTP). With MPTP and BeneGuard – a unique, easily programmable multifunction button – Benefon Track One can be implemented for all emergency centers that can use voice and SMS for telematics.

Versatile solutions within the phone

Benefon Track One always includes both the phone and the service. Depending on the solution surrounding the phone, it is possible to use it for several purposes: as a safety device for elderly people, as a road assistance device, for locating a friend etc. It's all about using your imagination!



Getting help made quick and easy

With Benefon Track One's unique BeneGuard button help can be reached in a moment. Just one push of the button sends an SOS message or opens a voice connection to a predefined emergency number. With every message goes accurate location and time information from the GPS. The imperceptible BeneGuard button is easy to use but hard to push by mistake.

Designed to work in extreme conditions

Tough, yet small, Benefon Track One is shock resistant and splash water proof. Its' practical design and elastomer protection on all sides give a good, firm grip, and the large keys can be used even with gloves on.



Hands free operated speaker phone

The remarkable speaker phone system releases both hands, if needed. An oversized earpiece at the top of the phone gives good voice quality and enables others to listen in on the conversation.

Full features for modern communication

As an advanced GSM phone, Benefon Track One comes with a phone book, calendar, appointment manager and alarm clock. It also enables access to e-mail and the Web via a PC with 14.4 kbps built-in GSM data and fax modem.



Benefon Track One NT 2.0

GSM+GPS Safety device for everyone

Technical Data



Available in

Metallic Blue

Graphite Grey

CONSTRUCTION

- Glass fiber reinforced back cover
- Elastomer protected edges
- Splash proof
- Shock resistant

DIMENSIONS

- Weight: 185 g
- Length: 129 mm
- Width: 49 mm
- Thickness: 25 mm
- Volume: 132 cc³

WIRELESS NETWORK STANDARD

- GSM900, GSM1800 and EGSM900/1800 MHz Dual Band networks

POSITIONING TECHNOLOGY

- Global Positioning System (GPS)
- Twelve-parallel-channel receiver continuously tracks and uses up to 12 satellites
- GSM network based positioning system (Network operator dependent)

DISPLAY

- Full graphics high-contrast screen
- Resolution 100 x 48 pixels
- Dynamic, user-selectable font size
- Up to 5 lines of text
- Graphical status indication and icons
- Graphical icons and scroll bars

KEYPAD AND EDITING

- Illumination
- Automatic and manual key lock
- ITU-T European Keypad printing
- Full screen cursor editor
- Clear last character or whole display
- International access (+) button
- Any-key answering

PERSONAL ORGANIZER

- Clock and date
- Alarm clock with snooze
- Calendar
- Calendar appointment manager, with reminders
- Phone power-on and off timers

OTHER PHONE FEATURES

- Vibrating Alert
- Calculator and phone book
- Downloadable ringing melodies
- Precision GSM antenna RF connector for optimal performance and changing to optional antennas
- Tone control

CALL MANAGEMENT

- One-touch dialling
- Quick dialling
- Last or recent-numbers redial
- Multiparty calls
- Call waiting, call hold
- Call divert
- Calling number or name identification
- Caller number identification control
- Dialling prefix
- DTMF transmission
- Automatic and manual network selection
- Automatic answer with headset and car kit

BATTERIES

Type	Phone Weight	Stand-by op. time	GSM Talk time	GPS operating time** One	GPS operating time** One NT	Charging time
Lithium ion 900 mAh	164 g	55 - 150 h	2 h 30 min - 8 h	5 - 34 h	12 - 125 h	2 h
Lithium ion 1200 mAh	185 g	72 - 200 h	3 h 30 min - 10 h	7 - 45 h	17 - 170 h	3 h
Lithium ion 1700 mAh	183 g	100 - 280 h	4 h 30 min - 14 h		24 - 240 h	4 h

* Operating times can vary substantially depending on distance to base station, SIM card, temperature, network settings, network usage and GPS receiver operating mode.

** GPS operating time can vary substantially depending on power saving modes, satellite coverage and atmospheric conditions

SAFETY FEATURES

- Easy to use BeneGuard button for emergency call and/or SMS-message
- Automatic calling to optional emergency numbers
- Loud or silent emergency alert
- Emergency 112 call without SIM card or while phone is locked
- Assistance call
- Quick Assistance call request message
- Condition Check timer

TELEMATICS FEATURES

- Benefon Mobile Phone Telematics Protocol (MPTP), a sophisticated set of Telematic commands
- Location update commands
- Remote Configuration
- Trace download via data cable

ACCESSORIES

- Fast mains charger
- Cigarette lighter charger
- Hands-free (HF) headset kit
- Digital, full-duplex, plug-in HF car kit
- Vehicle or boat cradle
- Bike mounting brace
- Benefon Configurator software and data cable
- External active GPS antenna
- Cross-country antenna
- Carrying holster (case)
- Car Kit
- NMEA Data Cable

OPTIONAL FEATURES

- Verticality sensor battery
- Waypoint tracking
- Encryption of messages
- Trace download via data call

BENEFON CONFIGURATOR

- Data cable from phone to serial port of PC
- Up to 14.4 kbps data and fax support through AT commands
- Benefon Configurator PC software:
 - Edit and back up phone book memory
 - Send and receive SMS messages by using a PC keyboard
 - Compose and change ringing melodies with BeneWin Maestro
 - Manage phone settings
 - Manage telematics settings
 - Activate and configure options

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PHONE BOOK AND MEMORY FUNCTIONS

- Supports up to 255 phone book entries on the SIM card
- Lists of dialled calls, answered calls and unanswered calls with time and date stamp. Lists of answered and unanswered calls also with calling number or name identification.
- Access phone book for sending SMS
- Pick SMS sender's number for phone book
- Show sender number or name (if stored in SIM) as an SMS header

SHORT MESSAGES SERVICE (SMS)

- On screen messages
- Send and receive text messages of up to 160 characters (standard) or 640 characters (if supported by network)
- Time and date stamp for received messages
- Answer message
- Forward message
- Pick sender name or number from message text
- Call SMS sender

SECURITY AND CALL COUNTERS

- Call barring
- Notification of charges and charge limits
- Call Timers: last call, outgoing calls, received calls and all calls
- Fixed dialling numbers
- Phone code, PIN1, PIN2
- Security code for telematics & GPS settings

GSM SYSTEM-SPECIFIC FUNCTIONS

- GSM Phase 2+ signalling
- Enhanced Full Rate speech codec
- Automatic power save if no network

SERVICE PROVIDER-SPECIFIC FUNCTIONS

- SIM application toolkit
- Pre-paid SIM support
- Network lock

GSM DATA

- Up to 14.4 kbps circuit switched GSM data and fax
- Integrated modem, data cable directly to PC serial port
- Data protocols: V.21, V.22, V.23, V.22bis, V.36ter, V.32, V.34, V.110 (ISDN), X.31 flag stuffing, V.42bis
- AT commands interface

GPS FEATURES

- Assisted GPS support (SMS point-to-point)
- GPS Power management
- 12 channel, high-performance GPS receiver
- Integrated high-gain flip antenna
- Position coordinates display
- Connector for external active antenna
- External NMEA 0183 interface
- GPS tuning and GPS operating mode management

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