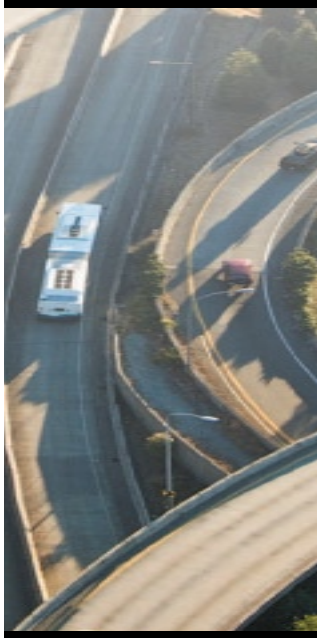
Benefon Discovery Pro

The compact protection, surveillance and alarm device



TWIG Discovery Pro is an advanced communication device that combines a triple band GSM mobile phone with a high performance GPS receiver and Twig Telematics (MPTP).

These features, and the unique TWIG alert button, make the TWIG Discovery Pro ideal for locating phone users and increasing their safety in addition to allowing them to be supervised and directed to a desired position. The device can be configured for several different business applications including personal tracking for resource management and as a safety device for lone workers.

Safety and Security

WIG Discovery Pro is an ideal portable safety device for solitary workers and people who may be at risk. By using the MPTP TWIG Discovery Pro can be configured to connect to any emergency centre that uses voice, SMS or TCP/IP (GPRS based data connection) for telematics. The centre can be contacted by the user by pressing the TWIG Alert button – this will send an SOS message and/or open a voice connection to the predefined emergency number. The SOS message will include location, time, speed, direction and battery status to help to track the user.

Personnel and Resource Management

With communication, positioning and telematic capabilities and full portability from the one device TWIG Discovery Pro makes most expensive resource management packages unnecessary. Using the TWIG Discovery Pro businesses can track not only their fleet but also their personnel such as servicemen, policemen or couriers and all with the same application.

Phone features

The TWIG Discovery Pro has been designed to include the phone features required by businesses. The TWIG Discovery Pro features a calendar – including appointment manager and email functionality. It has Bluetooth connectivity and is WAP enabled.

Personal surveillance online

TWIG Internet Services allows you to track TWIG users from a PC. The internet interface allows you to track and locate someone carrying the TWIG Discovery Pro via any web browser, providing you with peace of mind as to their location and current status. You can also use your own corporate back end systems and connect via SMS or TCP/IP to Twig Discovery Pro.

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Mechanics
(not including protective casing)
Weight: 128g
Length: 116mm
Width: 51mm
Thickness: 24mm

Wireless Network Standard*
Tri-Band GSM/GPRS
900/1800/1900Mhz
Tri-Band GSM/GPRS
850/1800/1900Mhz
GPRS Multi Slot 10/Class B
Compliant to GSM phase 2/2 + USSD

Output Power
2W for GSM 850/900
1W for GSM 1800/1900

Hardware
ARM9 application processor, variable speed 13MHz...312MHz
10MB of internal user memory
MiniSd card support up to 1GB card size

Audio
Codecs HR/FR/EFR/AMR
Speaker phone operation

Display
2" TFT display
176 x 220 pixels within 262k colours

Antenna
GSM: Integrated antenna
GPS: High sensitivity, integrated, quad helix antenna

GPS
12 channel high performance receiver
Accuracy ~5m, 95% of time (Open sky) Acquisition Rate (Open sky, receiver stationary)
• Cold Start 45sec (typical)
• Warm Start 38sec (typical)
• Snap Start 2-8sec (typical)
• Reacquisition 0.1sec (typical)
Advanced power saving methods

Telematics features
Benefon Twig Telematics (MPTP), a sophisticated set of Telematic commands.
Locating commands
Tracking commands
Emergency commands
Status commands
Remote configuration
GPS tracelog
Accessoy layer connector for embedded "accessories" such as motion sensor or RF tag reader

Operating Times**
Standard battery li-ion 1350mAh.
Stand-by: up to 210hrs
Talk time: up to 9hrs
GPS operating time with 60 seconds interval: 30hrs
Charging time: <2 hrs for 100%

Security
• PIN codes
• Fixed dialing
• SIM card/network lock
• User Interface
• Menu locks

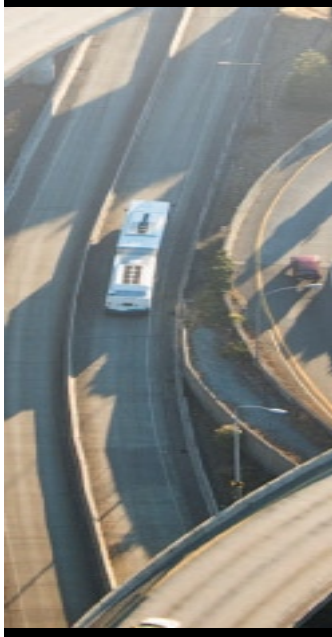
Controls
• Vibrating Alert
• Sound/GPS profiles
• Keypad/phone lock
• Dedicated TWIG Alert button
• Dedicated menu/application switcher key
• Dedicated volume level keys

Messaging
- Concatenated SMS: Send and receive up to 2800 characters in one message consisting of several ordinary messages
- Send to multiple recipients at the same time
- Predictive text input: Support for major European and Asian languages
- MMS (Multimedia messaging)
- E-mail client (POP3/IMAP/SMTP)
- Cell broadcast
- SMS/MMS unified Inbox

Integrated Software
- Mobile Internet Access, WAP Browser2.0
- Contacts book
- Six Games
- PIM applications (Calendar, notes, converter, calculator)
- Dual zone clock with 3 alarms with snooze capability
- Communication log with missed/ received/dialled call lists
- SIM application toolkit
- GPS monitor
- GPS Profiles menu allowing the user to add and customize GPS operation
- Twig SOS - Advanded emergency messaging application
- TWIG Status - management messaging application

Connectivity
- Connect via USB/Bluetooth to a PC application
- Browsing XHTML (WAP 2.0)
- Bluetooth Data connection for data exchange
- Bluetooth headset connection
- Synchronisation with MS Outlook/ Lotus Notes via TWIG PC Tools 2
- Internal I C data bus for 3rd party custom hardware modules. e.g motion sensor, RF receiver

Accessories
- Windscreen mount car cradle
- Cigarette lighter adapter
- Personal hands free
- USB cable
- Carrying case
- PC Tools SW
- Bluetooth headset
- Full HF carkit with external GSM /GPS antenna connection
- Protective rubber casing
- Motion sensor and verticality switch for automated emergency messaging
- Mini SD card for data, map and application storage



Some of the features and services described in this datasheet are subject to country roll out and might not be available during launch of the product.
Please consult your local deal
environment & needed performance

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