



recover-e

Asset Tracking & Recovery System



ACTUAL SIZE

“it’s size makes it very hard to find”

- Protect equipment you’ve never been able to before
- Transfer it between assets easily
- Track the **RingTrack recover-e** asset tracker outdoors and indoors, unlike GPS only tracking systems which rely on line-of-sight to the sky
- Protect your property for up to 4 years, before the **RingTrack recover-e** battery needs re-charging
- No external wiring & sleep mode mean it’s virtually undetectable
- Water and dust resistant (IP rated)
- Tracking Possible Worldwide (150 countries)
- Advanced 3 axis Movement detection
- See the location of your asset on a secure website
- Built-in high power homing beacon with internal antenna’s

successful covert tracker technology for owners, hirers or dealers to protect assets & equipment and recover if stolen



“95% success rate in recovering stolen plant”

“stealth mode, self-contained power source and internal aerials make it almost impossible to detect”



OPERATION

A RingTrack **recover-e** works using mobile phone (GSM) & RF (homing beacon) technologies; in combination, these give extremely accurate location information to enable successful recovery operations.

The RingTrack **recover-e** operates on a wake/sleep cycle when the device wakes up, it logs onto the GSM network and sends its location back to the RingTrack servers. This information is plotted on a map and made available on a secure web site.

If your asset is stolen our control room can obtain the general location of it from our database of cell transmitter sites, our recovery team can then narrow down the precise location by means of the homing beacon and a direction finder. Homing beacon technology can penetrate most materials, this is critical in the event of theft and is one of only a very few systems to work in this way and will enable us to find equipment even if it is hidden inside a building, Truck or Container.

POWER REQUIREMENTS

Because the RingTrack **recover-e** has a self-contained power source, you can enclose or install it into anything from a bicycle to a 40 tonne crane. It's also available as non-enclosed unit, so it can even be installed and powered inside a PC or other item of electrical equipment.

The RingTrack **recover-e** has a battery life of 3 to 4 years depending on the wake/sleep.

STOLEN EQUIPMENT RECOVERY SERVICE

With Police budgets being cut it is even more important that an independent recovery service is used to recover your stolen equipment. RingTrack's country wide recovery team have achieved a 95% success rate (providing the tracker is well hidden and the battery is charged) in recovering stolen equipment. In fact most items have been found in less than 24 hours of being stolen. The cost of the recovery can in most cases be reclaimed from your insurance company.

recover-e technical information

POWER

- Hi capacity long life 3.6V primary lithium-thionyl chloride (Li-SOCl₂) battery for long term use (3/4 years)
- Or medium capacity lithium Iron battery for short term (90 Days)
- Ultra low current consumption < 60uA in sensing sleep mode
- Built in power & battery management
- 6V to 30V DC @ 1.5A max input. (rechargeable version)

SENSORS/INPUT OUTPUT

- 2 ultra low power 3 axis accelerometers for movement/tilt and tamper protection 1 active in sleep mode
- 1 x 3 axis magnetometer for tamper detection (optional)
- Vibration/movement detector active in sleep mode
- 4 external inputs, individually configurable for analog or volt/ground detection
- Temperature sensor
- 1 diagnostic and 1 user serial port
- Optional multi port expansion board

GSM

- Quad band GSM/GPRS/EDGE modem with advanced custom positioning technology to give very accurate GSM cell locations
- Internal GSM antenna or optional external antenna

RF

- High power 433 MHz transceiver with internal antenna's for communications and beacon
- Variable frequency
- Variable power (diversity transmission using 2 antenna's)
- Programmable modulation methods and encoder/decoder
- Optional external RF antenna's

GPS (optional)

- High sensitivity GPS receiver with internal antenna
- Optional external GPS antenna

SIZE

- Board size 53mm x 36mm x 15mm (with lithium iron battery)

“designed and made in the UK”



application suitable for:-

- Plant Hire
- Construction Companies
- Transport & Logistics Companies
- Banks, Cash in Transit & ATM Operators
- Car Dealerships & Insurance Companies
- Cars, Motor Bikes, Caravans, Boats, Jet Ski Owners

AVAILABILITY AND MONITORING

The RingTrack **recover-e** unit is available to buy or rent with or without on-going monitoring. Please contact the sales office (01353 865568) for a copy of our latest price list.

Monitoring is available in 3 packages: **Gold, Silver & Bronze**

Gold Service: Includes a daily location update on a web based mapping service, monthly battery/health check, Geo fence options with SMS and E-mail alerts. Recovery service available. Monthly fee.

Silver Service: Weekly location update to web based mapping service. Monthly battery/health check. Recovery service available. Monthly fee.

Bronze Service: Location updates available on theft. Low battery alert. Recovery service available. One off lifetime payment.

SECURITY FEATURES

It is possible to detect any tracking device using a scanner. However the RingTrack **recover-e** has a stealth mode in which the unit wakes up for a matter of seconds at a pre-set period of time. It is only during these few seconds that the unit transmits a signal that can register on a scanner. This helps to make discovery of the unit much more difficult. Additionally the RingTrack **recover-e** is the smallest tracking device of this type on the market so can be well hidden.

The RingTrack **recover-e** has several built in security features that can detect attempted unexpected removal of the unit or movement during unscheduled hours.



E-Space North • Wisbech Road
Littleport • Cambridgeshire CB6 1RA

Tel: +44 (0)1353 865 568

Fax: +44 (0)1353 865 301 • sales@ringuk.com

www.ringtrack.com

