

EPOC-BLU

Critical Alert Responder with Geolocation

Location!

Location!

Location!



Kind of Blue

The EPOC-BLU brings you all the features of the EPOC-S, but now with added Bluetooth® and GPS modules for location and tracking.

Indoor location: when paired with the separately available BLU beacons, the EPOC-BLU will update its location every time it sees a new beacon. When the user sends an alert message, the stored beacon location can be added to the message.

Indoor tracking: the EPOC-BLU can be programmed to automatically transmit every time a new beacon is discovered, providing an indoor tracking function.

A breath of fresh air: send an OTA command to enable the GPS tracking function. Ideal for lone workers on building sites, large farmyards, industrial sites and the like. Can be paired with Scope transponders to provide a complete on-site location system for both indoor & outdoor use.

The BLU beacons are programmable with an App which allows you to set the power range from typically a few metres to 20m, giving you good control of coverage areas for each location zone. The App also allows you to name each beacon and specify the mode of operation (location or tracking).

The EPOC-BLU is available with either a new slimline drop-in charger, or a desktop charger. The battery life between charges can be up to 14 days, depending on usage level.

Features

- Bluetooth® for Indoor Location & Tracking
- GPS for Outdoor Geolocation
- Programmable BLU Beacons
- Accelerometer for Man-Down & Lone Worker use
- Rugged casing to IP67
- Large screen with multi-colour backlighting
- Hi-intensity, white LED feature
- Rechargeable Lithium Ion battery
- 14 days typical battery life
- Rugged removable back clip
- Can be used as a pager with most Scope transmitters



POCSAG

Bluetooth

GPS



See next page for further details

EPOC-BLU

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SPECIFICATIONS

Display:

35.5 x 35.5 mm LCD, 96 x 96 dots
Multi-colour backlight 8
lines of 16 characters per line

Addresses:

128 addresses (software decoding), each
with 4 sub-addresses

Message storage:

20 messages of 256 characters each 64
pre-defined messages 10 pre-
defined Status messages

Alerts:

21 tones selectable Vibrate/
Tone & Vibrate/Vibrate then Tone/Mute
Flash LED

Size:

54.7 (W) x 97.4(H) x 16.7 (D) mm

Weight: 90g (with battery)

Signalling protocols:

POCSAG, BLE, GPS

POCSAG Data transmit/receive rate:

512, 1200, 2400 baud

Rx (POCSAG) Sensitivity:

2.5uV/m @ 512 bd, 3.0uV/m @ 1200 bd

Tx (POCSAG) Output Power:

Up to +14dBm

BLU Beacon

Bluetooth V4.2 Low Energy

Power: 3.6V lithium AA (1 or 2)

GPS

Tracking -165 dBm, Acquisition -148 dBm
66 GPS channels

Power Supply:

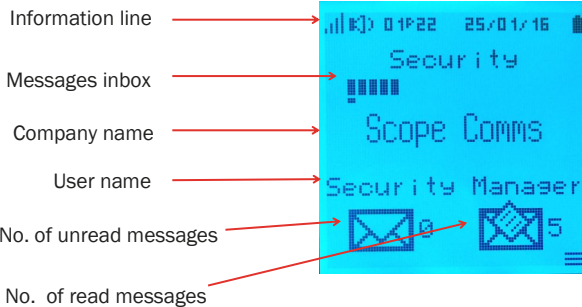
Li-Ion 3.7v battery 700mA

Charger: 5V micro USB

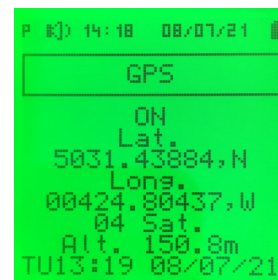
Approvals Compliance

EN 300 220/224 (Radio)

EN 301489 (EMC), EN 62368-1(Safety)



Home screen



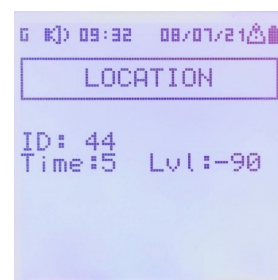
GPS co-ordinates, no. of satellites and altitude



BLU beacon with wall bracket



EPOC-BLU Responder, with POCSAG, GPS & Bluetooth



Bluetooth beacon ID, advertising time and power level

Features (availability depends on programmed setup)

- ◆ POCSAG message receipt and ACK transmission
- ◆ Bluetooth® indoor location & tracking with App selectable power levels
- ◆ GPS outdoor location with OTA enable and variable update intervals
- ◆ Man Down and Lone Worker functions
- ◆ Pre-defined (canned) acknowledge and status messages
- ◆ IOS* & Android™ App for BLE beacons, ideal for setting up power levels
- ◆ Received Signal Strength (RSSI) display, ideal for range testing & diagnostics
- ◆ Optional slimline or desktop chargers

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EPOC-BLU Responder in Slimline charger



EPOC-BLU Responder in Desktop charger

