

# bluei

 **Bluetooth™ GPS**



## Bluei - Wireless GPS receiver

Bluei is a small size, high performance, wireless GPS receiver that provides real time navigation data to mobile devices such as PDA:s, laptops and notebooks. Bluei even has the capability to be used together with high-end mobile phones such as Sony-Ericsson P800 and Nokia 3650. The device size is 73(L) x 42(W) x 22(H) mm and the built-in battery can provide the user with 12 hours of use in continues operation mode. Bluei can via the Bluetooth link provide navigation data to any navigation software supporting NMEA.



## Bluei Spec.

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### General:

Frequency: L1, 1,575.42 MHz  
Channels: 8 Channels all-in-view tracking

Antenna Type: Built-in Antenna

### Accuracy:

Horizontal:  $\leq 6$  meters  
Altitude:  $< 11$  meters  
Velocity:  $0.06$  m/sec  
Time: 1 microsecond Synchronized to GPS time

Acquisition Time: Open Sky, Stationary

Reacquisition: 2 sec., average  
Cold start:  $\leq 90$  sec., average  
Warm start:  $\leq 38$  sec., average  
Hot start:  $< 14$  sec., average

### Dynamic Conditions:

Altitude:  $\leq 18,000$  meters  
Velocity:  $\leq 515$  meters / second  
Acceleration:  $\leq 4g$  (39.2 meters / sec<sup>2</sup>)  
Motional Jerk:  $\leq 20^3$  meters / sec<sup>3</sup>

### Interface:

Connection: Bluetooth (class2) Serial Port Profile  
Protocol: NMEA 0183 v3.0

Power: Built-in rechargeable battery  
Operation time: Default: 12 hours after fully charged,  
in continuous operation mode

Device Size: 73(L) x 42(W) x 22(H) mm

Weight: 65 grams

### Environmental:

Operating Temperature:  $\pm 20$  C to +60 C  
Charging Temperature: 0 C to +45 C  
Relative Humidity: 5% to 90%, non-condensing

Specifications are subject to be changed without notice.