

KENAZ

Superior accuracy for handheld mapping



The Kenaz DGPS receiver is a high-accuracy GPS accessory that provides sub-meter positional performance for handheld mapping. The Kenaz DGPS receiver has been specifically developed for the ruggedized Nomad and Recon handheld computers.

The Kenaz is rugged yet small and compact. Its Compact Flash adapter and smart antenna module simplify field use even in the most demanding environments and keeps the total handheld solution IP67-rated.

Key Kenaz N100* and Kenaz R100** Series advantages

- Fully integrated, robust design made to fit the Nomad or the Recon
- Easy to use - just connect to the Nomad or the Recon and go
- COAST™ technology maintains accuracy even during temporary loss of differential signal
- Low power consumption conserves handheld battery power
- Optional external antenna for additional accuracy
- Exclusive e-Dif extended differential option available

*The Kenaz N100 is compatible with the Nomad handheld

**The Kenaz R100 is compatible with the Recon handheld

GPS Sensor Specifications

Receiver Type	L1 (C/A), with carrier phase smoothing
Channels	12-channel parallel tracking (10-channel when tracking SBAS)
SBAS Tracking	2-channel, parallel tracking Update Rate: 1 Hz
Horizontal Accuracy	< 0,4 m RMS (0,8 m – 95% CEP) confidence (DGPS)*, <1,8 m RMS confidence (autonomous, no SA)*, < 0,3 m RMS confidence (DGPS, external antenna)*
Cold Start	60 s (no almanac or RTC)
Warm Start Time 1	45 s (valid almanac, no RTC)
Warm Start Time 2	35 s (valid almanac and RTC)
Hot Start Time	20 s typical (valid almanac, RTC and two hours since last fix)
Reacquisition	<1 s

* Depends on multipath environment, number of satellites in view, satellite geometry, and ionospheric activity

Environmental

Operating Temperature	-25 °F to 140 °F (-30 °C to 60 °C)
Storage Temperature	-40 °F to 158 °F (-40 °C to 70 °C)

Mechanical

Dimensions (LxWxH)	4.0 x 3.8 x 1.4" (101 x 97 x 35 mm)
Weight	<10.6 oz (300 g)
Status Indication (LED)	1 LED indicating power
Antenna Connector	SMB, female

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handheld

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