



# NAVIK 50 GNSS RECEIVER

*HIGHLY PRECISE, RELIABLE, INNOVATIVE*



# NAVIK 50 GNSS RECEIVER

**APOGEE®**

## KEY FEATURES

### MULTI CONSTELLATIONS TRACKING

184 TRACKING CHANNELS, SUPPORTS GPS, BEIDOU, GLONASS, GALILEO ETC.

### RUGGED DESIGN

RUGGED HOUSING WITH IP67 DUSTPROOF & WATERPROOF DESIGN. IT CAN SURVIVE 2 M POLL DROP AND 1.2 M FREE FALL TO CONCRETE.

### EASY TO USE

COMPACT SIZE ALONG WITH VERY EASY APP INTERFACE.

### HIGH-LEVEL ACCURACY

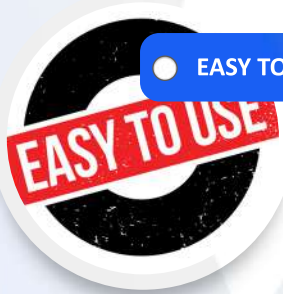
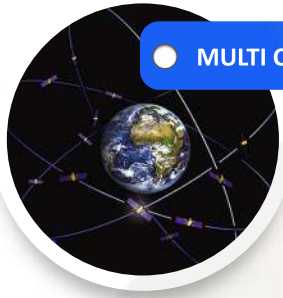
PROVIDES CENTIMETER-LEVEL ACCURACY NO MATTER WHERE YOU ARE.

### MULTI NETWORK CONNECTION

SUPPORTS WI-FI, BLE, RADIO, NTRIP.

### ENHANCED UHF RADIO

UPTO 5 KM RANGE WITH 1W POWER CONSUMPTION. TX/RX IN THE FREQUENCY RANGE OF 866 MHZ OR 403 – 473 MHZ (OPTIONAL). NAVIK 50 ALSO AVAILABLE WITHOUT RADIO

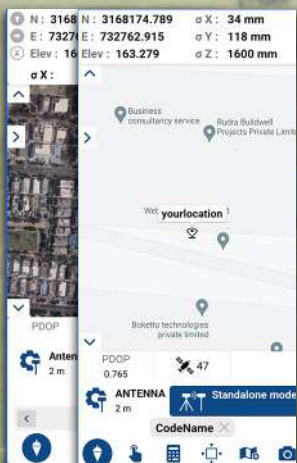






## GEO MASTER SURVEY APP

- GeoMaster is a survey data collection android application.
- It supports all modes of surveying like Static, PPK and RTK.
- GeoMaster is a professional and easy to use app which is designed for more productive surveys.
- GeoMaster also provides a convenient way to import/export surveying data in various formats.
- It is ideal for topographic survey, stake out, auto surveying and incorporates various cogo functions.
- This app is also compatible with external Laser Range Finders.



# NAVIK 50 GNSS RTK SYSTEM



## SPECIFICATIONS

### Satellite Signal Tracking

184 channels simultaneous tracking.

### Signals/Constellations Tracked

GPS.....L1, L2, L2C, L5  
GLONASS.....L1, L2  
GALILEO.....E1, E5a, E5b  
Beidou.....B1, B2, B3  
BeiDou Global Signal..... B1C, B2a  
QZSS..... L1, L2

### Positioning Specifications

#### Accuracy

Standalone.....1 m CEP  
SBAS/GAGAN.....upto 0.6 m CEP

#### Static

Horizontal.....upto 10 mm + 1 ppm  
Vertical.....upto 10 mm + 1ppm

#### RTK

Horizontal.....10 mm + 1 ppm  
Vertical.....15 mm + 1ppm  
RTK Convergence Time.....<10 s  
Max. Update Rate.....7 Hz

### Data and Format

Protocols.....RTCM 3.X, NMEA, NTRIP

### Physical

Size.....143.95\*65.00  
Weight.....600 gm

### Environmental

Operating Temperature.....-10° C to + 65° C  
Storage Temperature.....-25° C to + 70° C  
IP Rating.....IP67  
Power Source.....7 V to 20 V External Battery Source

### Interfaces

Wireless.....Wi-Fi, BLE, Radio, NTRIP  
Wired.....RS-232, USB



**Apogee GNSS Pvt. Ltd. (AGPL)**

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