



# NAVIK-200 GNSS RTK SYSTEM

AN ADVANCED AND RELIABLE SURVEYING SOLUTION



# NAVIK-200 GNSS RTK SYSTEM



## KEY FEATURES



### Multi constellations Tracking

700+ tracking channels Supports GPS, Beidou, GLONASS, Galileo, IRNSS



### Rugged Design

Rugged housing with IP67  
Dustproof & Waterproof design.  
Can survive 2 m drop onto concrete.



### High level accuracy

Provides centimeter level accuracy no matter where you are

**UHF**

### Greater efficiency with enhanced UHF

Upto 5 km range.  
Tx/Rx in the frequency range of 866 MHz or 403 - 473 MHz optional.

**L**

### L-Band

Navik 200 has an option to get Centre point RTX Corrections ensuring global 5 cm accuracy without base station.



### Powerful Battery

Powered by high capacity (6800mAh) Li-ion battery to ensure continuous operation.



### Integrated GNSS Receiver

Integrated with a GNSS board, Bluetooth and adjustable TX & RX UHF Radio. Smoothly work with every type of CORS with 4G modem in-built.



### Multi Network Connection

supports NTRIP, Wi-Fi, BLE, Radio, 4G



### Easy to use

compact size with small weight (950 g)



**4G**



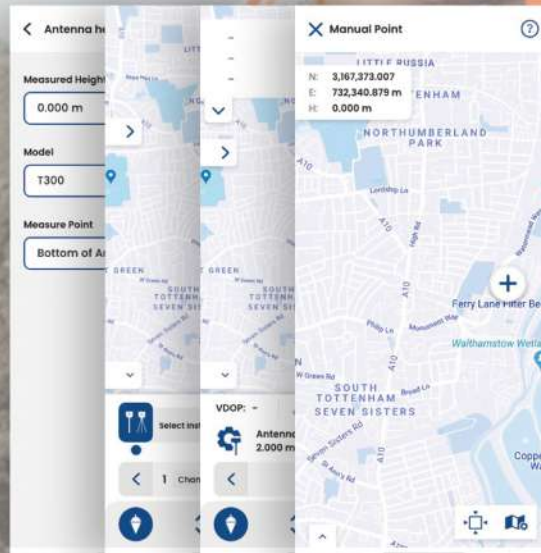
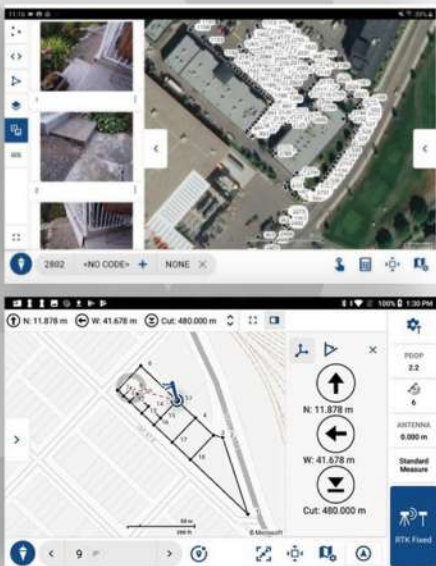
Android

Bluetooth

SD

# 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.





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## SPECIFICATIONS

### Satellite Signal Tracking

700+ channels for simultaneously tracking satellite signals.

### Signals/Constellations Tracked

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

### Positioning Specifications

#### Accuracy

|                 |            |
|-----------------|------------|
| Standalone..... | 1.5 m RMS  |
| SBAS/GAGAN..... | 1.0 m RMS  |
| DGPS.....       | <0.4 m RMS |

#### Static

|                 |                |
|-----------------|----------------|
| Horizontal..... | 3 mm + 0.5 ppm |
| Vertical.....   | 5 mm + 0.5 ppm |

#### RTK

|                           |              |
|---------------------------|--------------|
| Horizontal.....           | 8 mm + 1 ppm |
| Vertical.....             | 15 mm + 1ppm |
| RTK Convergence Time..... | <10 s        |
| Max. Update Time.....     | 20 Hz        |

### Data and Format

|                |                                    |
|----------------|------------------------------------|
| Protocols..... | RTCM 3.X, Rinex 3.x, NMEA v3.0 CMR |
|----------------|------------------------------------|

### Physical

|             |               |
|-------------|---------------|
| Size.....   | φ156x106      |
| Weight..... | 950g (Approx) |

### Environmental

|                            |                   |
|----------------------------|-------------------|
| Operating Temperature..... | -40° C to + 65° C |
| Storage Temperature.....   | -40° C to + 70° C |
| IP Rating.....             | IP67              |

### Interfaces

|               |                              |
|---------------|------------------------------|
| Wireless..... | Wi-Fi, BLE, Radio, NTRIP, 4G |
| Wired.....    | RS-232, USB                  |



### Apogee GNSS Pvt. Ltd.

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