



NAVIK-200 GNSS RTK SYSTEM

AN ADVANCED AND RELIABLE SURVEYING SOLUTION



NAVIK-200 GNSS RTK SYSTEM



KEY FEATURES



Multi constellations Tracking

More than 700 tracking channels
Supports GPS, Beidou, GLONASS, Galileo, IRNSS



Powerful Battery

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



Rugged Design

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



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.



High level accuracy

Provides centimeter level accuracy no matter where you are



Multi Network Connection

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

UHF

Greater efficiency with enhanced UHF

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



Easy to use

compact size with small weight (950 g)

DATA COLLECTOR

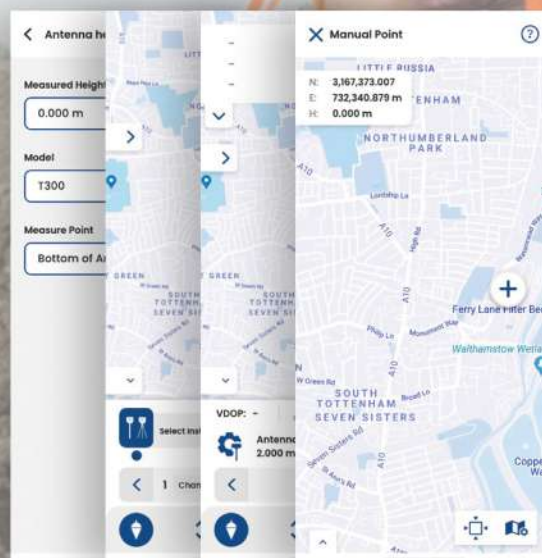
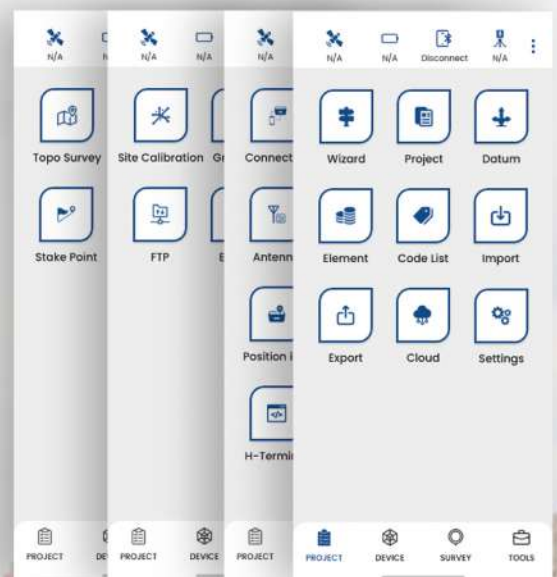
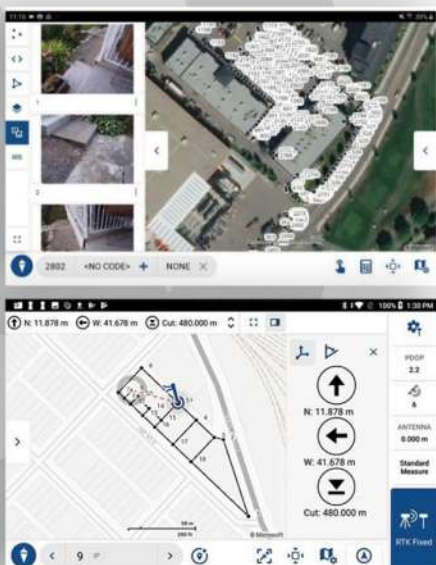


4G



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
BeiDou	B1, B2, B3
BeiDou Global Signal	B1C, B2a
GLONASS	L1, L2
Galileo	E1, E5a, E5b
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 + 1 ppm

RTK Convergence Time < 10 s

Max. Update Rate 20 Hz

Data and Format

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

Size	φ156x106
Weight	950g (Approx.)

Environmental

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

Interfaces

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



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