

FARMNAVIGATOR

FARMNAVIGATOR All in One 4G



GNSS RECEIVER FOR SMART FARMING

**All-in-one powerful smart antenna:
RTK corrections, 4G connectivity,
telematics!**

- Multifrequency GNSS receiver
- +/- 2 cm pass-to-pass accuracy
- Terrain compensation
- Embedded 4G modem
- NTRIP client for RTK service
- 1 year of connectivity
and telematic services on
myfarmnavigator.com
- Automatic firmware update

FARMNAVIGATOR All in One 4G

Advanced positioning technology and telematic services, all in one device!

FARMNAVIGATOR All in One 4G **combines the most up-to-date GNSS technology**, with **RTK corrections via internet** for enhanced accuracy, and telematic services to monitor vehicle's **localization and telemetry on myfamnavigator.com** cloud.



IDEAL FOR

High-performance semi-autonomous or autonomous applications that need centimeter level accuracy, even in highly variable terrain:

- **Auto-Steering**
 - **Seeding**
 - **Plowing**
 - **Strip-till**
 - **Planting**
 - **Weeding**





Centimeter-level accuracy

Superior tracking for smoother steering and straighter rows

High-precision multi-frequency GNSS receiver for GPS, GLONASS, GALILEO and BEIDOU satellite systems. Thanks to the RTK corrections the positioning reaches centimeter-level accuracy: +/- 2 cm.



Terrain compensation

High-precision positioning anywhere

Precision tracking on uneven ground and slopes thanks to the built-in inertial platform and the Terrain Compensation algorithm that correct errors caused by the roll and pitch of the vehicle.



4G Connectivity & IoT

Designed for smart farming applications

All in One 4G includes a powerful inbuilt platform with 4G modem, SIM, NTRIP client and IoT functionality. Ready to connect to myfarmnavigator.com cloud.



NTRIP ready

RTK corrections made easy

The embedded and pre-configured NTRIP Client receives RTK connections via the internet from NTRIP services. Simply insert your NTRIP account once and you are ready to go!



Connected

4G connectivity all over Europe

All in One 4G includes 1 Year / 1000 hours of connectivity. 4G GSM connectivity is already included, SIM card embedded.

My Farmnavigator

Including 1 YEAR of Telematics Services

Telemetry and tilt sensor data

The service is included for 1 Year, and can be extended to 3 or 5 years. Register All in One 4G on myfarmnavigator.com in a few simple steps, and start monitoring your vehicles on the cloud!



NEW DESIGN

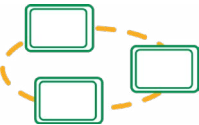
New rugged housing for longtime outdoor use

The **IP67 rating housing** ensures good waterproof, dustproof, high & low temperature protection, and anti-vibration protection.



The **aerodynamic design** allows the antenna to resist impacts with branches without moving and without being damaged.

Both **magnetic supporting** and **screw mounting** are supported.



Easy to integrate

Universal compatibility

All in One 4G is compatible with agriculture terminals using serial communication and NMEA0183 messaging. You can set up All in One 4G with any third-party device, thanks to the included configuration software.

FARMNAVIGATOR **All in One** 4G

GNSS RECEIVER FOR SMART FARMING



Technical Specifications

- Dimensions: 184 x 152 x 55 mm
- Weight: 240g without power cable
- Power cable: 4 m Conxall - DB9
- Steel bracket: 133 x 101 mm
- Triaxial accelerometer + gyro
- Waterproof: IP67
- Supply voltage: 10-35 V DC
- Operating temperature: -20°C / +60°C
- Storage temperature: -30°C / +80°C
- Power consumption: 125 mA max @12V DC (~ 1.5 W)
- 2x Led indicators

Communication

- GNSS Receiver: GPS + GLONASS + GALILEO + BEIDOU + SBAS
- GNSS frequency band: L1, L2
- GNSS rate: configurable (up to 10Hz)
- RS232 baud rate: configurable (115200 default)
- RS232 protocol: NMEA0183 configurable (GGA, GLL, RMC, GSA, GSV, VTG, ZDA, GST)

Performance and Connectivity

- RTK accuracy +/- 2 cm
- Integrated NTRIP client
- Automatic connection to IoT server
- Automatic FOTA Updates

