

FARMNAVIGATOR

Precision Agriculture everywhere,
even on hilly and sloping terrain



Ground compensation inclinometer

The powerful built-in inertial platform* detects roll and pitch of the vehicle to calculate the exact position at the ground level.



Overturning alarm

Increase vehicle safety on your farm**.



RTK Centimetric accuracy

Thanks to the RTK corrections received via the Internet***, the positioning reaches an accuracy of +/- 2 cm with baseline up to 100 Km.



Connectivity and Agriculture 4.0

The connected receiver gets RTK corrections via the Internet thanks to the built-in NTrip Client** and GSM modem**. It is also possible to localize it on the MyGarage cloud!

* Turtle Pro2, Turtle RTK, 1Minute RTK

** 1Minute RTK

*** Turtle RTK, 1Minute RTK



SOLUTIONS THAT GROW WITH YOUR FARM

GNSS Receivers for Precision Agriculture

A complete range of receivers compatible with G7 FARMNAVIGATOR and with any third-party display.



MADE IN ITALY

By AvMap, the GPS pioneers

The FARMNAVIGATOR line is produced by AvMap, the Italian company pioneer of positioning and satellite navigation in every environment: land, sky and sea.

FARMNAVIGATOR

GNSS Receivers
for Precision Agriculture



	Turtle Smart	Turtle Pro2	Turtle RTK	1Minute RTK
FEATURES				
GPS	✓	✓	✓	✓
Glonass	✓	✓ ¹	✓	✓
Galileo	✓	✓	✓	✓
Beidou	✗	✓ ¹	✓	✓
SBAS	✓	✓	✗	✓
Multi-band	✗	✗	✓	✓
Update rate up to	10Hz	10Hz	10Hz	10Hz
Baud rate	9600	9600	115200	115200
RTK	✗	✗	✓	✓
Pass-to-pass accuracy	+/- 30cm	+/- 15cm	+/- 2cm	+/- 2cm
Terrain compensation	✗	✓	✓	✓
Embedded modem with NTrip client	✗	✗	✗ ²	✓
1 Year of Internet services included	✗	✗	✗	✓ ³
ACTIVITIES				
Weeding	✓	✓	✓	✓
Manuring	✓	✓	✓	✓
Harrowing	✓	✓	✓	✓
Seeding	✗	✗	✓	✓
Plowing	✗	✗	✓	✓
Strip-till	✗	✗	✓	✓
Planting	✗	✗	✓	✓

1. Glonass and Beidou are not concurrent
2. Only through G7 Plus

3. Refer to installation manual for list of countries where Internet services are included

Technical Specifications

- Dimensions: 98 mm x H 50 mm
- Weight: 240g without power cable
- Power supply: 10-35 Vdc
- Consumption: 0.8 W or 1.5 W*
- Power cable: 4 m Conxall - DB9
- Built-in magnets
- Steel bracket**: 133 x 101 mm
- Operating temperature: -20°C / +60°C
- Storage temperature: -30°C / +80°C
- Waterproof: IP67
- RS232 baud rate: configurable
- RS232 protocol: NMEA0183 configurable (GGA, GLL, RMC, GSA, GSV, VTG, ZDA, GST)

* 1Minute RTK

** Turtle Pro2, Turtle RTK, 1Minute RTK



Customer Support

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