FARMNAVIGATOR

Precision Agriculture everywhere,
even on hilly and sloping terrain

Terrain compensation

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

RTK centimeter accuracy

2cm

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 Smart Farming

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 MyFarmnavigator cloud!

Overturning alarm

Increase vehicle safety on your farm***.

* Turtle Pro2, Turtle RTK, All in One RTK
** Turtle RTK, All in One RTK
*** All in One RTK

SOLUTIONS THAT GROW WITH YOUR FARM

GNSS Receivers for Precision Agriculture

A complete range of receivers compatible with most agriculture terminals.

Made in AvMap
GPS pioneers

FARMNAVIGATOR

GNSS Receivers
for Precision Agriculture

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

	Turtle Smart	Turtle Pro2	Turtle RTK	All in One 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 farmnavigator.com for list of countries where Internet services are included

Technical Specifications

- Dimensions: ⌀ 98 mm x H 50 mm
- Weight: 240g without power cable
- Power cable: 4 m Conxall - DB9
- Built-in magnets
- Steel bracket*: 133 x 101 mm

- Power supply: 10-35 Vdc
- Waterproof: IP67
- Operating temperature: -20°C / +60°C
- Storage temperature: -30°C / +80°C
- RS232 baud rate: configurable

- RS232 protocol: NMEA0183 configurable (GGA, GLL, RMC, GSA, GSV, VTG, ZDA, GST)
- Consumption: 0.8 W or 1.5 W**

* Turtle Pro2, Turtle RTK, All in One RTK
** All in One RTK

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SATELLITE NAVIGATION