

FARMNAVIGATOR

FARMNAVIGATOR Pilota

The easy to install, complete and reliable automatic steering system



A compact and lightweight solution to optimize costs and make installation easy

The entire inertial platform is integrated into the powerful All in One RTK antenna, without the need for any external control unit.



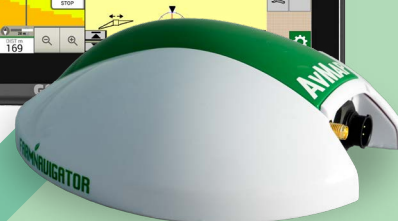
A complete and connected system, towards Transition 5.0

FARMNAVIGATOR Pilota interfaces with the G7 and G12 multifunctional displays that offer high quality hardware, all the most advanced ISOBUS features and connection to the MyFarmnavigator.com cloud, allowing to upgrade your farm for the Transition 5.0.



Easy to set up

Setting up the automatic steering has never been easier. Simply enter the tractor measurements and follow a few simple guided calibrations.



FARMNAVIGATOR
is a product ecosystem
for all your needs:
automatic steering,
ISOBUS Virtual Terminal,
Task Controller and WiFi
connectivity.

A complete kit

FARMNAVIGATOR Pilota includes **everything you need** to interface it with the G7 / G12 displays and start controlling your tractor!

Optimized design

A new generation of automatic steering

2.7 kg

Lightweight and powerful

15.7 cm

Reduced overall dimensions

3 spokes

Equidistant spoke steering wheel

Pilota Steering Wheel

- High quality leather steering wheel;
- 40.5 cm diameter;
- 3-spoke design: three equally spaced spokes provide a comfortable grip for perfect maneuverability and distribute the load evenly on the wheel.

Pilota Motor

- Lightweight: only 2.7 kg;
- Compact: only 15.7 cm diameter x 8 cm height;
- Adapters and anti-rotation kits available for various brands and models.



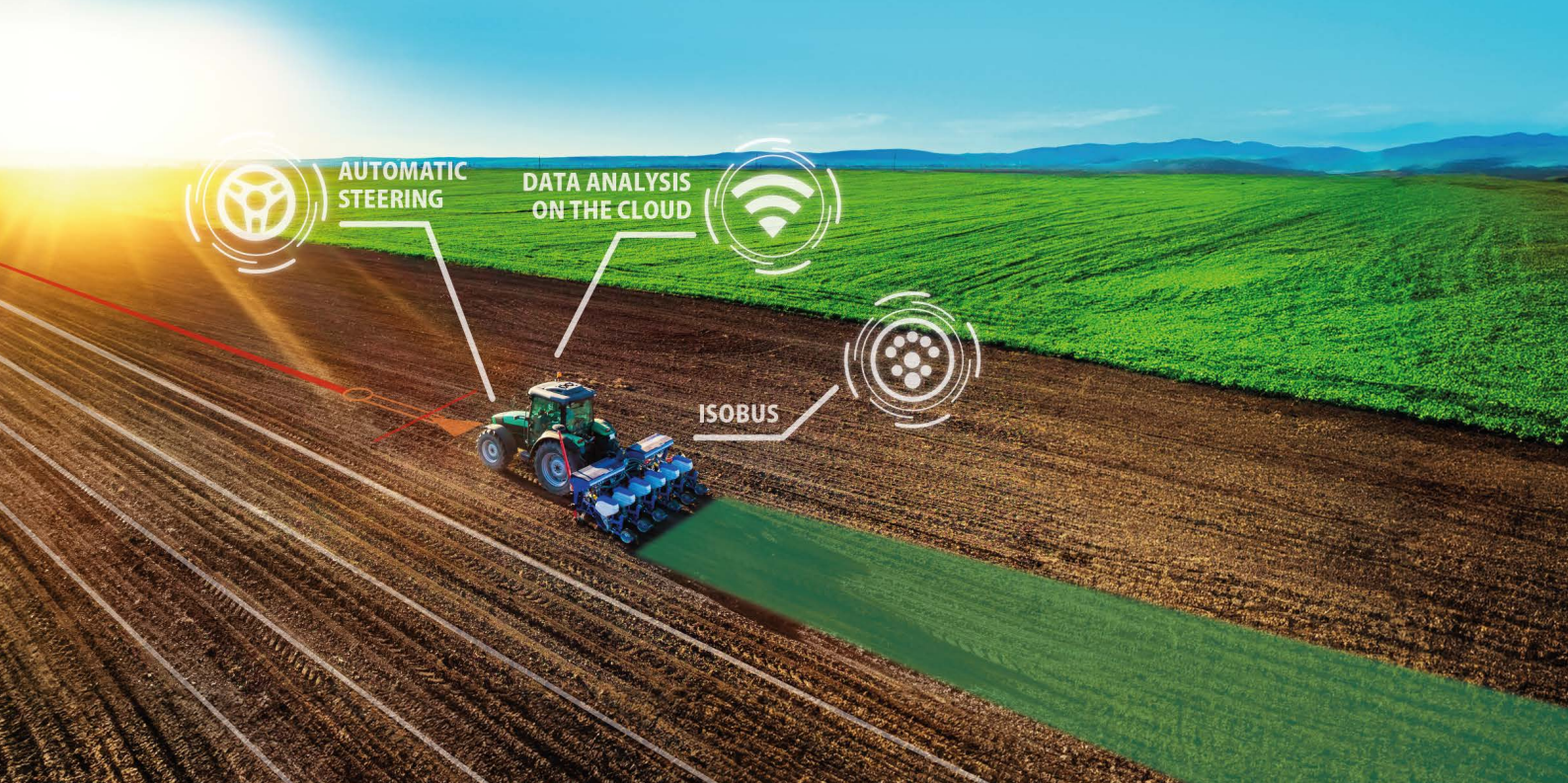
G7 / G12*

- High quality hardware with ultra-bright and anti-condensation display;
- Intuitive software complete with advanced functions for assisted parallel guidance, automatic sections control, management of fields, jobs and products;
- ISOBUS ready;
- Connected to MyFarmnavigator.com cloud for data synchronization.

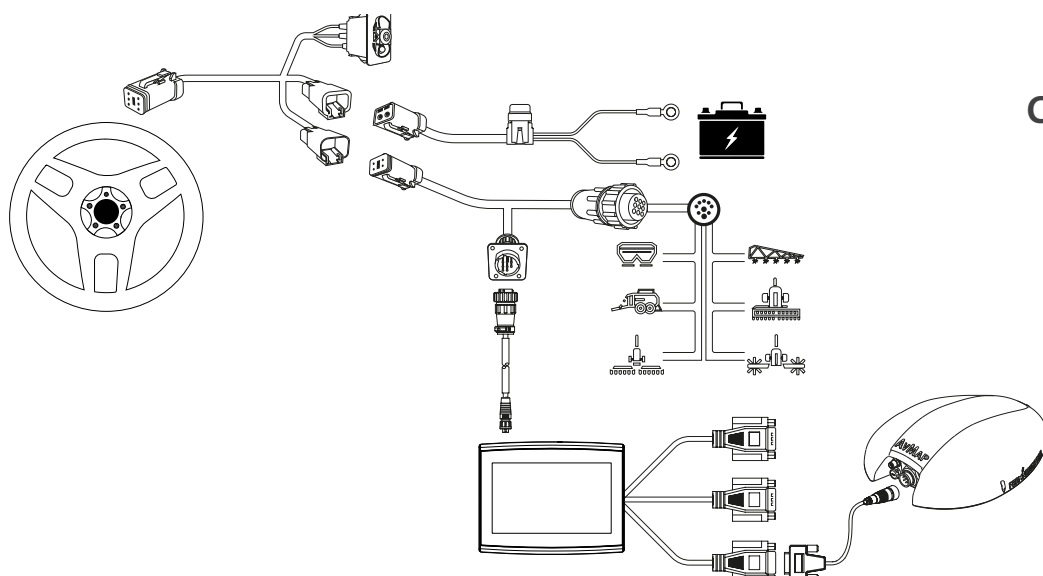
*Not included in the kit

All in One RTK

- All in one device: Smart Antenna + Controller + Telematic Box;
- The brain of the system, with a fully integrated proprietary inertial platform;
- Built-in 4G modem, SIM and NTRIP client allow you to obtain RTK corrections easily and quickly;
- Self-calibration procedure on first use;
- Connected to MyFarmnavigator.com (sending position, speed, pitch, roll).



Automatic steering integrated with ISOBUS Virtual Terminal, Task Controller and WiFi connectivity



CAN line for ISOBUS and automatic steering

Thanks to the special "Pilota CAN cable", which provides an additional CANBUS connection, automatic steering and ISOBUS can coexist without the need to purchase additional components.

Simplified calibration procedure

The FARMNAVIGATOR Pilota inertial platform is the result of AvMap's decades of experience with sensors and telematics in various sectors, from automotive to nautical and avionics.

This technology has enabled AvMap to develop a simplified and effective calibration process.



FARMNAVIGATOR Pilota

From AvMap,
the GPS pioneers

Find out more about our history at:
www.avmap.it



TECHNICAL SPECIFICATIONS

- Motor dimensions: 15.7 x 8 cm (d x h)
- Steering wheel diameter: 40.5 cm
- Motor weight: 2.7 Kg
- Rated torque @ 160 RPM: 3.8 Nm
- Stall torque: 5.5 Nm
- Maximum speed: 290 RPM
- Encoder: integrated Hall sensors
- Mechanical shock: MIL-STD-810G
- Vibration resistance: MIL-STD-810G
- Power supply: 10 - 35V DC
- Operating temperature: -20°C / +60°C
- Storage temperature: -40°C / +85°C
- Consumption: 15A typical / 30A maximum @ 12V DC

PERFORMANCE With All in One RTK

- RTK accuracy: +/- 2 cm
- Minimum working speed: 0.5 km/h
- Maximum working speed: 30 km/h
- Terrain compensation (inclinometer)
- Automatic guidance on straight, curved or free-form guidelines

WHAT'S INCLUDED

- Pilota Steering Wheel
- Pilota Motor
- Wiring:
 - Pilota Main Cable
 - Pilota Battery Cable
 - Pilota CAN Cable



Complete the system with:



All in One RTK

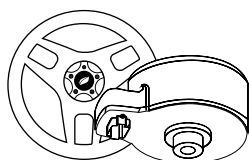
- GNSS receiver: GPS + GLONASS + GALILEO + BEIDOU + SBAS
- GNSS frequency bands: L1, L2
- RTK accuracy +/- 2 cm
- Triaxial accelerometer + gyroscope
- Waterproof: IP67
- Built-in 4G modem, SIM and NTRIP client
- Connection to **MyFarmnavigator.com**



G12 Panorama

G7 Iso

- 12" / 7" Multi-Touch capacitive display, with anti-condensation bonding
- Assisted Parallel Guidance
- Advanced ISOBUS Functionality
- Automatic Sections Control
- Connection to **MyFarmnavigator.com**



Compatibility

Hundreds of installation kits available for different brands and models of tractors!

Customer Service

You can count on our sales network and our corporate Call Center in Italy.
support@avmap.it
+ 39 0585 784044