

FARMNAVIGATOR



FARMNAVIGATOR Product Line

Displays, GNSS receivers, accessories and spare parts

www.farmnavigators.com

AvMAP
SATELLITE NAVIGATION

AvMap was established in 1994, within the TWS Holding, world leader in marine electronic cartography.

Innovation is part of our DNA. In 1985, TWS developed the world's first electronic device able to display a vehicle moving on a map. The first aeronautical navigator launched by AvMap marked the progress of GPS technology for aircrafts.

AvMap has extended its Know-How in Avionic and Marine also to farming and automotive sectors to produce navigation systems that are currently adopted by some of the most important entities at a global level.

From the Italian Headquarter, AvMap controls its branches located in Europe, Russia, Brazil, Tunisia and USA.

For more than 25 years, AvMap produces navigation systems and intelligent electronic devices for B2C, B2B and OEM markets.



Farming



Marine



Avionic



Automotive

AvMap Srl

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AvMap Satellite Navigation Inc

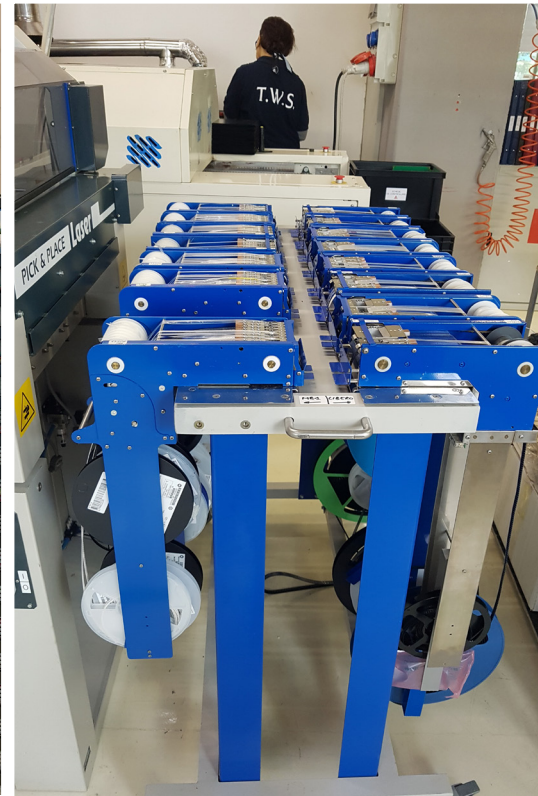
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FARMNAVIGATOR

A product 100% made in AvMap



Full know-how of each product

Every single product is manufactured in our Italian factory and it is 100% made in AvMap.

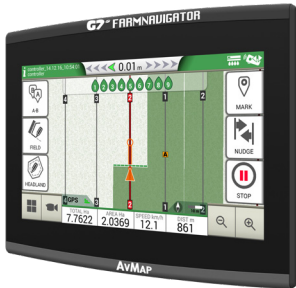
A guarantee of quality

We reach the maximum efficiency and a full control of the development process:

- Research and development
- Engineering
- Hardware design
- Software development
- Manufacturing
- Distribution

Strong customer support

The in-house manufacturing allows us to be flexible during all the stages of production and to have a strong customer care after each sale.



G7 Ezy Farmnavigator

PAGE 6



G7 Plus Farmnavigator

PAGE 9



Auto-Steering System

PAGE 10



GNSS Receivers

PAGE 12



Products, Accessories & Spare parts

PAGE 13

FARMNAVIGATOR

**FARMNAVIGATOR family:
for each need, its solution.**



G7 Ezy Farmnavigator

Parallel guidance and Automatic section control



G7 Plus Farmnavigator

Parallel guidance + Automatic section control
Auto-Steering and Road Navigation



FARMNAVIGATOR



Easiness is our philosophy

Whether you are an expert of precision farming or a complete novice, **G7 Farmnavigator** is the best solution for you. It is a multi-touch console suitable for all levels of expertise:

- Easy to install
- Dust and waterproof
- Extremely Bright LCD display
- Ready-to-go in few minutes
- Large icons on a tactile screen



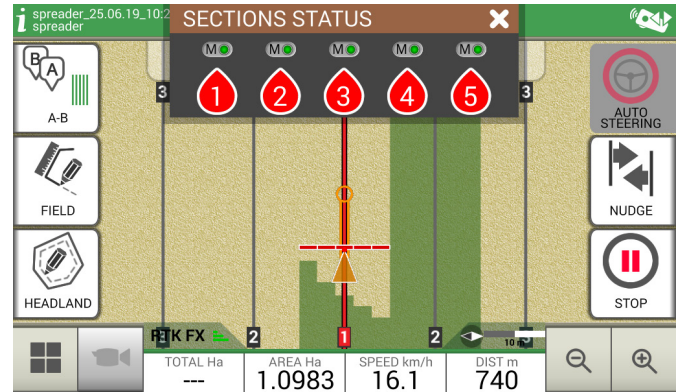
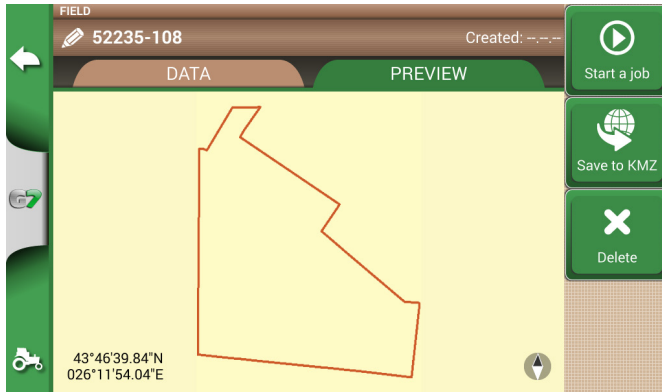
“ Thanks to G7 Farmnavigator I've enjoyed the benefits of satellite technologies in my farm. I've saved time and money! Easy to use, a pleasure every day!

Mario, Italy



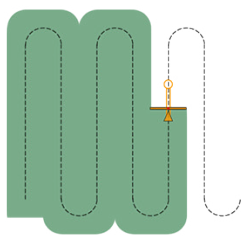
FARMNAVIGATOR

G7 Farmnavigator Your farm just a touch away

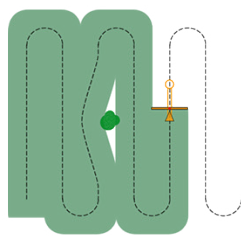


Main features

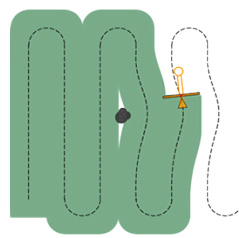
- Follow the lines: AB parallel, contours, adaptive, free, pivots
- Re-work the same field using the same lines
- Manage the headland
- Control sections manually
- Connect an automatic section controller
- Store fields, products and drivers' data
- Store implements with different working width
- Import/Export jobs and visualize it on Google Earth™
- Connect an external Video Camera



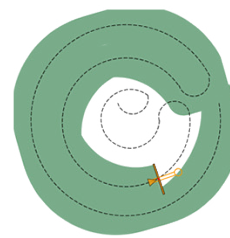
Parallel guidelines



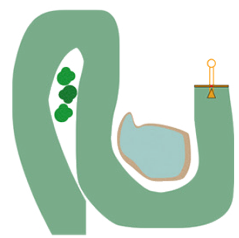
Contour guidelines



Adaptive contour



Pivot



Free form



“

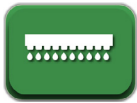
Fantastic, the installation took very few minutes and after that I was acting like a Pro. Finally I can work precise and faster!

Boris, Russia

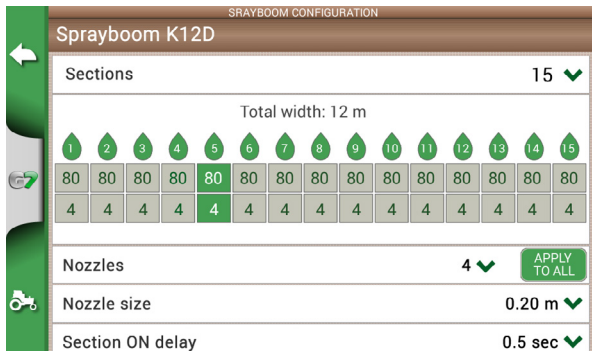
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FARMNAVIGATOR

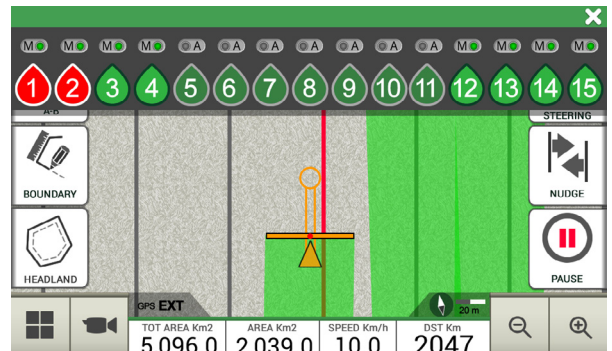
Save time, increase the efficiency



Configure your implements and control them



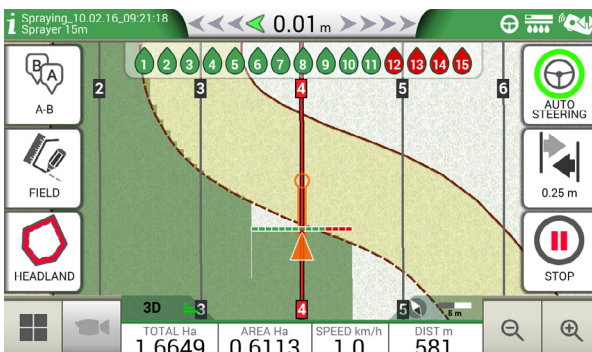
Setup your spray-boom, set the working width or the width of each boom section



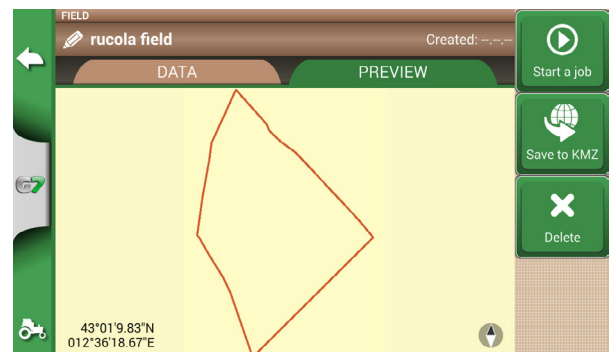
Control sections manually or connect an automatic section controller, more than 10+ third-parts devices, not ISOBUS, already compatibles



Manage the fields and headlands



Create the headland and manage it to avoid unnecessary overlaps



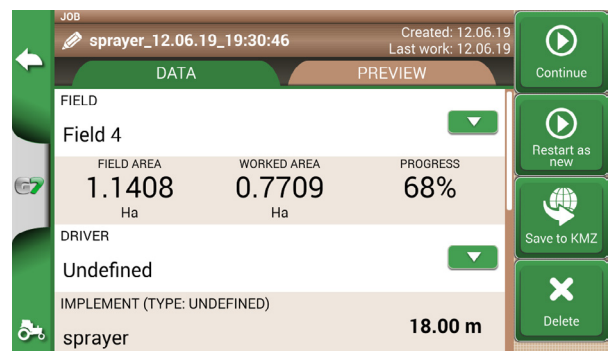
Use RTK to store the area of your fields and re-use the AB lines every year



Save and re-work the jobs

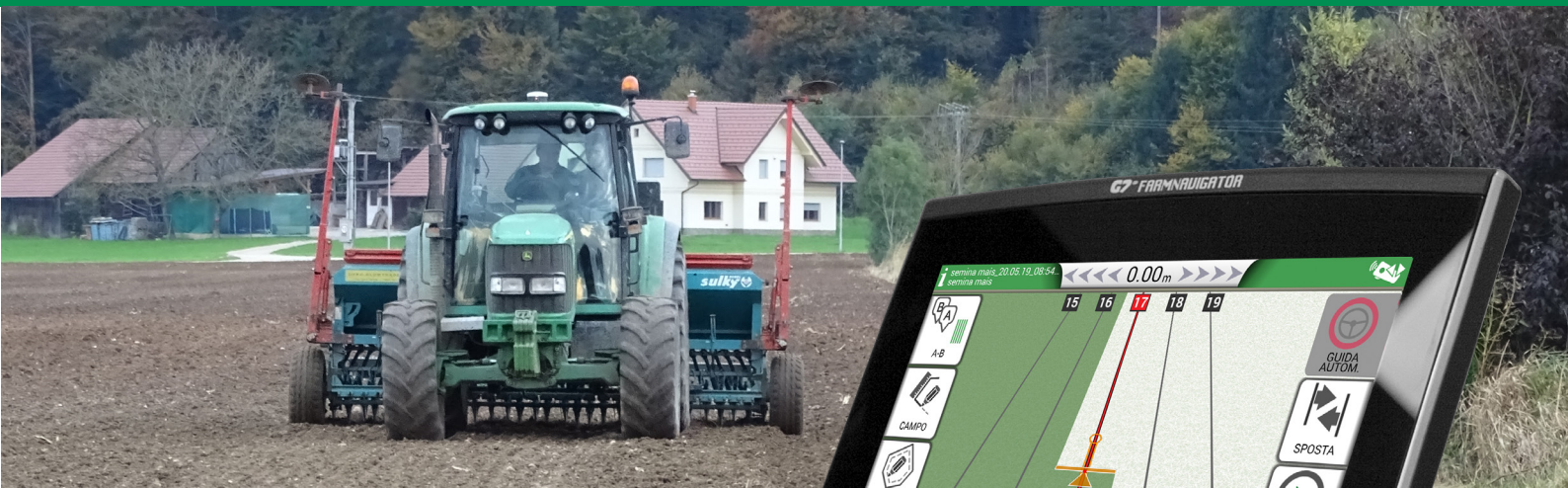


Save your data (farmers, activities, fields, implements, etc.)



Check your data and manage your times and working costs

FARMNAVIGATOR

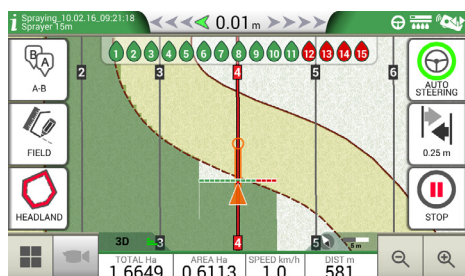


G7 Plus



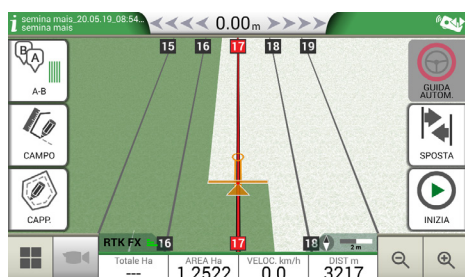
G7 Plus Premium Features

Beyond the main functions, G7 Plus Farmnavigator allows you to exploit other additional features



Auto-Steering

Control the implements instead of worrying about the steering wheel. More than 800 compatible tractors, included tracks, articulated, steer-ready and ISO.



Connectivity

G7 Plus Farmnavigator includes the WiFi technology. Update the software of your device without any effort with WiFi connectivity!



Discover the worldwide maps

Use your G7 Plus Farmnavigator all year round to navigate to your fields or to anywhere else, the HERE maps are included!

FARMNAVIGATOR



Farmnavigator Auto-Steering System

A cost effective Auto-Steering system to increase work accuracy, save fuel and reduce operator's stress and fatigue



Electric motor

- Patented universal ring gear
- Easy to move from one vehicle to another
- Compatible with more than 800 types of tractor
- Silent and very fast, can steer in every type of land

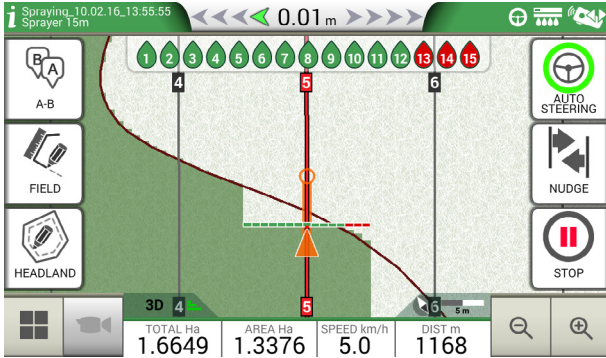


ECU, unit calculation

The compact and versatile steering controller.

- It detects orientation and movement of vehicle
- It receive corrected GPS data from the receiver and converts information from the Farmnavigator to actual steering commands
- Compatible with all types of tractor

FARMLNAVIGATOR



All the advantages of Automatic Steering

The Farmnavigator Auto-Steering System allows you using the whole length of your implements, maximizing the crop area and reducing overlapping.

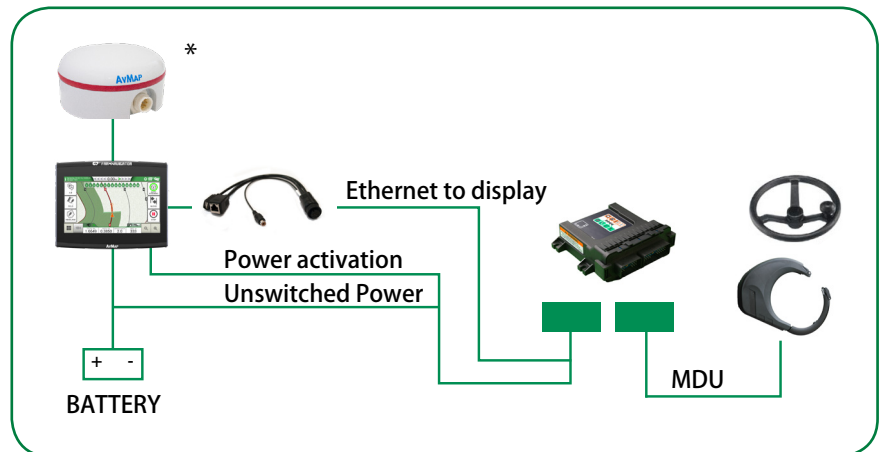
This system saves you time (as the headland maneuvers will be faster) and saves you money, reducing waste of fuel, seeds and fertilizers. This results in a quantitative and qualitative improvement of your crop, and a higher return on investment.

Easy setup and calibration and maintenance over WiFi

Easily configure the ECU following the step-by-step wizard on the G7 Plus Farmnavigator display.

Easy installation and transfer

The smart Mechanical Drive Unit (MDU) is clamped on existing steering wheel without removing it thanks to the patented universal ring gear. It can be easily used on vehicles of different brands and types: tractors, sprayers, spreaders or combiners.



* Receiver not included



GNSS receivers

Choose the precision that best suits your needs



Turtle SMART

- GPS, GLONASS, GALILEO
- SBAS
- L1
- From 4Hz to 10 Hz
- Precision: +/- 30 cm track to track



Turtle PRO

- GPS, GLONASS, GALILEO, BEIDOU
- SBAS
- L1
- 10Hz
- Precision: +/- 15 cm track to track













Turtle RTK




- GPS, GLONASS, GALILEO, BEIDOU
- L1L2
- 10Hz
- 2G Modem Embedded
- NTRIP Client
- Precision: +/- 2 cm
- Baseline up to 100Km
- BT wireless technology compatibility (optional)

	Turtle SMART	Turtle PRO	Turtle RTK
Precision	+/- 30 cm	+/- 15 cm	+/- 2 cm
Activities			
Spraying	✓	✓	✓
Manuring	✓	✓	✓
Harrowing	✓	✓	✓
Seeding	✗	✓	✓
Plowing	✗	✗	✓
Strip-till	✗	✗	✓
Planting	✗	✗	✓
Weeding	✗	✗	✓






Products




	Product Name	Product Code
	G7 EZY FARMNAVIGATOR	P3MJ52WBAM
	G7 EZY FARMNAVIGATOR + GNSS receiver	P3MJ520BAM
	G7 Plus FARMNAVIGATOR	P3MJ52WWAM
	G7 Plus FARMNAVIGATOR + GNSS receiver	P3MJ520WAM
	G7 Plus FARMNAVIGATOR + GNSS receiver	P3MJ52NWAM
	Auto-steering Kit MDU-G4 + ECU-S1+ Anti-Rotation kit + ECU-S1 Power Cable	K10ASSKY01
	Turtle SMART GNSS Receiver 9pin serial cable included	UXAGTG20AM
	Turtle PRO GNSS Receiver 9pin serial cable included	UX0GTG30AM
	Turtle RTK GNSS Receiver 9pin serial cable included	UX0GTR00AM
	Novatel AG-Star Receiver 4m Connection cable included	UXAGGA00AM




Accessories

	Product Name	Product code
	Spider adapter / Cigarette lighter Cigarette lighter plug to: Cobo female plus Cigarette lighter female plug, Farmnavigator female plug for connection with G7 powered bracket	CBYYGY0205
	Spider adapter / Cobo Cobo plug to: Cobo female plug, Cigarette lighter female plug, Farmnavigator female plug for connection with G7 powered bracket	CBYYGY0200
	Desktop bracket Desktop bracket with sunction cup with Ac/DC power supply cable, 14 pin connector and USB & Video cable	K10QDBD00A

Spare parts

	Product Name	Product code
Power cables		
	Powered bracket 3 DB9 serial ports + power cable with Faston Plug for connection with adapters.	K10QDB200B
	Powered bracket kit 3 DB9 serial ports + power cable with Faston Plug and 3 combination options: cigarette lighter / spade terminals / Cobo adapter	K10QDBF00A
	Cobo plug adapter Combine it with the Powered Bracket Combo to power the G7 from a Cobo plug.	CBYYGY0202
	Spade terminals adapter Combine it with the Powered Bracket Combo to power the G7 from a battery	CBYYGY0203
	Cigarette lighter adapter Combine it with the Powered Bracket Combo to power the G7 from a cigarette lighter	CBYYGY0204

	Product Name	Product code
Mounts		
	Heavy-duty suction cup holder Robust holder with heavy duty suction cup.	HBS50AX
Protective cases		
	Protective cover for G7 Farmnavigator Protects G7 Farmnavigator' display when not in use.	HPC51AX/C
Remote control		
	Farmnavigator Remote control Control the G7 Farmnavigator without reaching the touch screen.	UX0RK100AM

	Product Name	Product code
Antennas accessories		
	Novatel antenna connection cable It connects Novatel AG-Star or Smart6-L to the G7 Farmnavigator (DB9 serial port).	CBYDFS0401
	Antenna - Farmnavigator Serial cable 9 Pin It connects the external antenna to the Farmnavigator (serial DB9 port).	CBCDFS0801
	Fixing bracket kit Tube fixing bracket for Turle GPS/GNSS receiver	K10GTG001A



How to order

- Shop on line at www.avmap.it/shop
- Or order writing to orders@avmap.it specifying **Product Name** and **Product Code**



Sales

farm@avmap.it



Customer Support

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AvMap
SATELLITE NAVIGATION

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