



# Pilota P1

PRODUCT SHEET

## Automatic Steering System

Pilota P1 is the new automatic steering system developed in Italy by AvMap, the GPS pioneer. Pilota P1 completes the AvMap product ecosystem for agriculture.

### Fewer components: optimized costs and faster installation

The innovative concept incorporates the entire inertial platform inside the powerful AllinOne RTK antenna, so there is no need for any external ECU. A solution with fewer components that optimizes costs and offers easier and faster installation.

### Easy configuration

The automatic guidance configuration has never been so simple. Enter the tractor measurements and simple parameters to adjust the guidance to changing soil and implement conditions.



### Pilota Drive Unit

- ▶ Light and compact: only 2.7kg, only 15.7 cm of diameter x 8 cm height
- ▶ High performance
- ▶ Adapters and anti-rotation kits available upon request



### Pilota Steering Wheel

- ▶ High quality leather steering wheel



### AllinOne RTK antenna

- ▶ The brain of the system, with full integrated inertial platform
- ▶ Integrated and pre-configured NTRIP client for RTK corrections
- ▶ Factory pre-calibrated sensors and self-calibration procedure at first use.

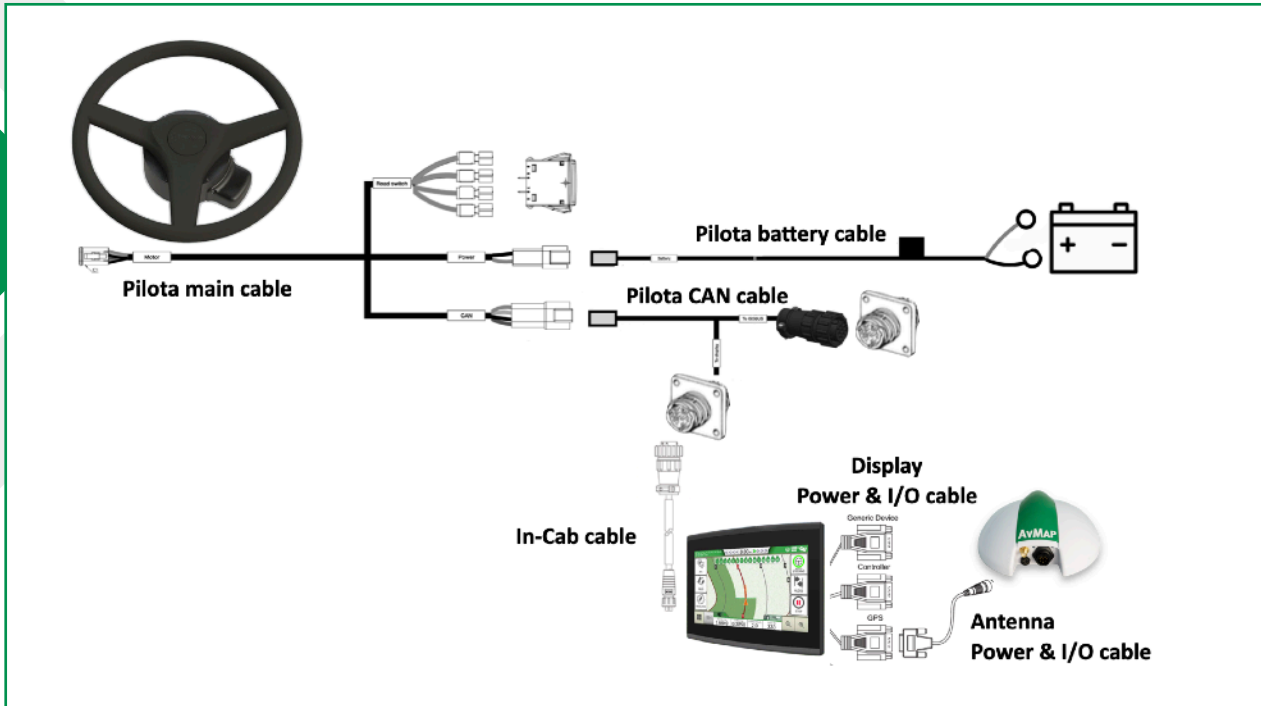


### G7 / G12 display

- ▶ ISOBUS ready
- ▶ Automatic steering and ISOBUS can coexist with the Pilota CAN cable

## Automatic Steering System

### CONNECTION SCHEME



Images are for illustrative purpose only. Products may change without notice

### TECHNICAL SPECIFICATIONS PILOTA DRIVE UNIT

Power: 12V/2A rated - 15A max peak

Operating temperature: -20°C / 60°C

Storage temperature: -40°C / +85°C

Max Speed: 290 RPM

Rated Torque @ 160 RPM: 3.8 Nm

Stall Torque: 5.5 Nm

Internal Hall encoder

Mechanical Shock MIL-STD-810G

Vibration Resistance MIL-STD-810G

Compliance: CE, RCM, FCC and WEEE

Dimensions motor: 15.7 cm diameter x 8 cm h

Diameter steering wheel: 360mm  
405mm (optional)

Weight: 2.7 Kg

### PERFORMANCE (Using AllinOne RTK)

RTK position accuracy: +/-0.02m

Min working speed: 600m/h

Max working speed: 20km/h

Precise heading

Terrain compensation (pitch/roll)

Guidance in straight, curved, and free tracks for MFWD vehicles

### CONTENT OF THE BOX

Pilota Drive Unit

Pilota Steering Wheel

Pilota Main Cable

Pilota Battery Cable

Pilota CAN Cable

### PRODUCT CUSTOMIZATION

- ▶ Serigraphy / 3D resin sticker
- ▶ Packaging
- ▶ Installation Manual
- ▶ Harnesses
- ▶ Steering wheel
- ▶ Installation kit for specific vehicles

### ACCESSORIES

- ▶ Hundred of installation kits available for different brand/models
- ▶ Full compatibility with ISOBUS accessories