



AvMap Avionics System

The easy to install, light and cost effective system designed for light-sport, ultralight & experimental aircraft.



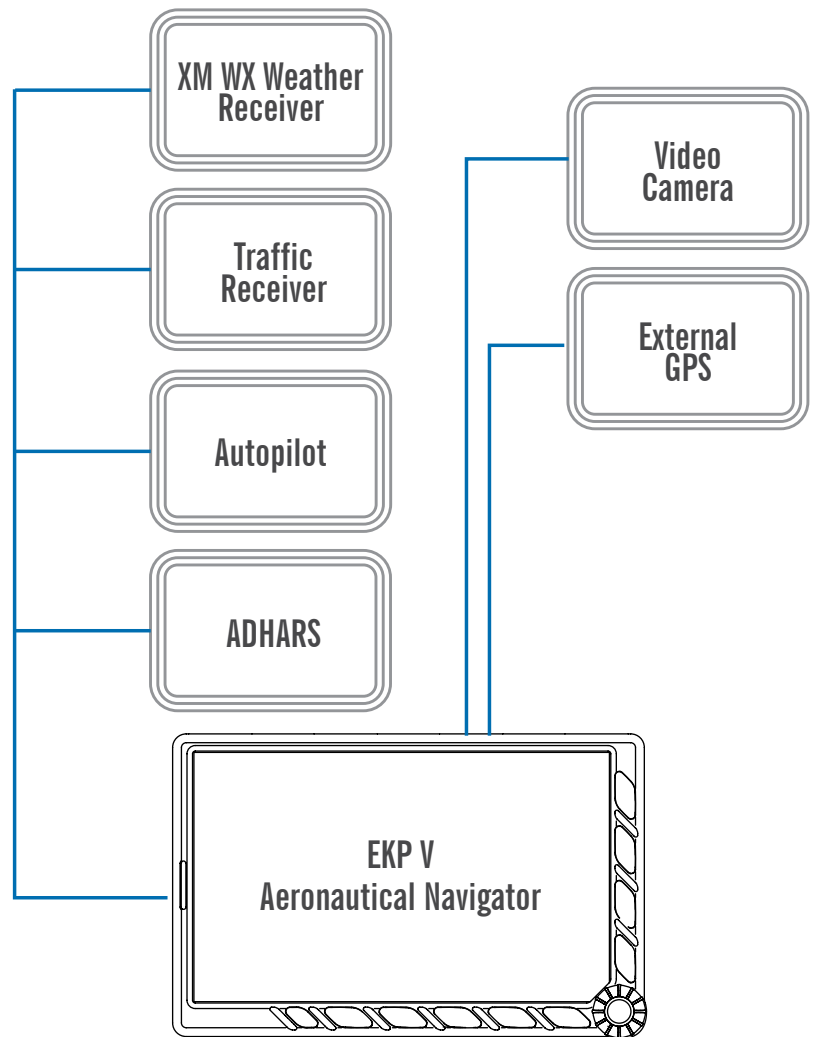
AvMap Avionics System advanced connectivity

The AvMap avionic system consists of:

- AvMap EKP V: GPS navigator, EFB, PFD
- AvMap Cockpit Docking Station
- AvMap A2 ADAHRS module
- AvMap GPS receiver

Moreover, the system can be connected with third party instruments and accessories:

- Collision avoidance systems
- Autopilots
- Video cameras
- Weather receivers*



Start creating your AvMap Avionics System now!



EKP V

A brilliant fully sunlight viewable 7" display, with built-in battery and GPS, only 0.8" thick. A centralized display for both navigation and primary flight information. All you need in a single device



Cockpit Docking Station

It mechanically hosts the EKP V becoming the hub of all electrical connections of the integrated avionic system.



AvMap A2 ADAHRS

A compact module providing Air Data, Attitude and Heading Reference. It connects to the aircraft Pitot-static system and to the docking station via USB and provides information that are displayed on the EKP V LCD. A2 ADAHRS contains solid-state gyros, accelerometers, magnetic field sensors and air data sensors. The module can be installed in any orientation.

Get Airspeed, Altitude, Attitude and Heading on EKP V's 7" display

When connected to the A2 ADAHRS module, EKP V turns into a full-featured Primary Flight Display providing:

- ▶ Airspeed and Altitude from Pitot-static system
- ▶ Attitude, side slip and heading information
- ▶ Integration of TAWS into the PFD with AGL Altitude indication
- ▶ Clear HSI display linked with EKP V flight planning function
- ▶ Customizable data fields
- ▶ PFD settings: Altimeter reference, Heading reference, Aircraft specific V-speed reference value.



Why choose the AvMap Avionics System?

Light and compact

EKPV (400 g) + A2 ADAHRS (50 g) + Docking Station
+ GPS receiver = only 859 g for the entire system!

Ease of installation

EKP V can be installed both in vertical and horizontal mode, and its multifunctional display can provide several flight info optimizing space. Even some accessories such as the A2 ADAHRS module can be installed in any position.

Scalable

With 4 simultaneous USB connections plus 2 serial connections, it is easy to customize the system and connect the desired additional instruments at any time.

Safe

The system is powered by the aircraft electric system with a vibration proof AVG 16 connector. One of the USB ports is powered by the EKP V's internal battery to ensure the functioning even in case of aircrafts power failure.

AvMap Avionics System

EKP V



Hardware:

- Dimensions: 110mm x 172mm x 21mm (4.3" x 6.8" x 0.8")
- Weight: 400 g (14.1 Oz)
- Display: 7" (16:9) 4.75" x 7" x 1.5" Color LCD TFT
- Resolution: 800 x 480 pixels
- Built-in high sensitivity GPS
- Micro SD preloaded with software and maps
- Power supply: external 10/35 V DC with cable adapter
- Battery: lithium-Ion, removable, rechargeable
- Consumption: max 10 Watt
- Speaker
- USB OTG master / slave
- Operative temperature range: -20° + 60°

Software:

- Horizontal / Vertical view
- Night Vision
- Flight plan vertical profile
- Full flight planning capability
- TAWS: Terrain Awareness and Warning System available worldwide
- Airspace alarm and Flightplan Airspaces check
- Full simulator functions
- Fully customizable display
- Editable aircraft checklist
- Customizable profiles
- Compatible with Collision Avoidance Systems
- Compatible with XM Satellite Weather*
- Search and Rescue Patterns



Maps for Life

A2 ADARHS



Features:

- Dimensions (mm) 70 x 60 x 35 / (in) 2.76" x 2.36" x 1.38"
- Weight < 50 g / 1.8 Oz
- Operational Temperature -25°C to +85°C / -13°F to +185°F
- 3-axis gyros, accelerometers and magnetometers
- Acceleration range (3 axis) +/- 8 g
- Rotation Range +/- 1600 deg/s
- Air data sensors: range 10 to 215 kts, -1000 to 40000 ft
- Advanced data fusion capability
- USB Interface (1.5 m cable)
- UAV Navigation® technology inside

Cockpit Docking Station



Technical specifications:

- Size: 172x110x450 mm (6.77"x4.33"x17.71")
- Cutting line: 165.4x106.8 mm (6.51" x 4.20")
- Operating Temperature: -20°C/+70°C (-4°F / +158 °F)
- Supply voltage 10-35 VDC (28W max)
- N.2 serial ports (1x RS-232, 1x TTL levels)
- N.4 USB OTG (output 5v - 500 mA, 1x powered by EKP V internal battery)
- Video input (video composite PAL or NTSC)
- Vibration-proof AVG 16 connector
- Aeronautical grade wires for power supply
- High sensitive external GPS receive

AvMap devices are not IFR certified and are intended for VFR navigation only. Images are for illustrative purpose only. Aspect may vary without notice.

AvMap avionic products

AvMap products are 100% Made in Italy since 1994 and used by private pilots as well as by Armed forces, Governmental agencies, rescue teams, Civil Defense. Find out AvMap's complete range of avionic products including portable GPS, Cockpit integrated solutions and instruments for light sport, ultralight and experimental aircraft.


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