



AvMap Avionics System

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



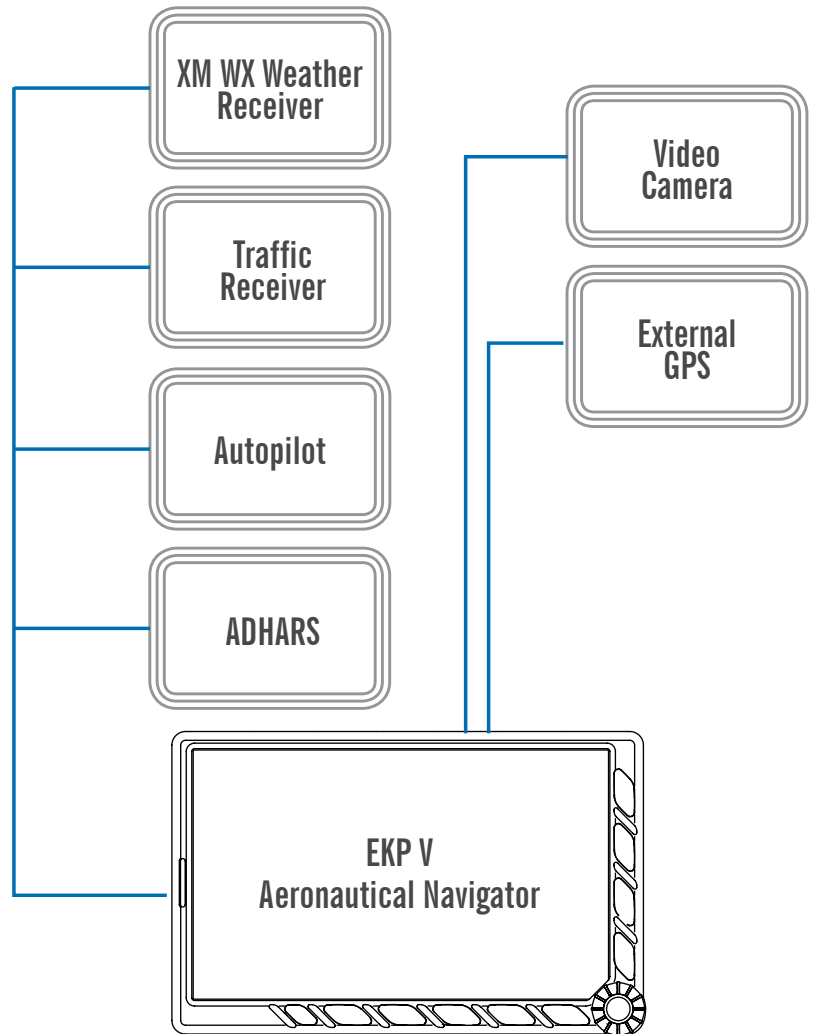
AvMap Avionics System advanced connectivity

The AvMap avionic system consists of:

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

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. 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.



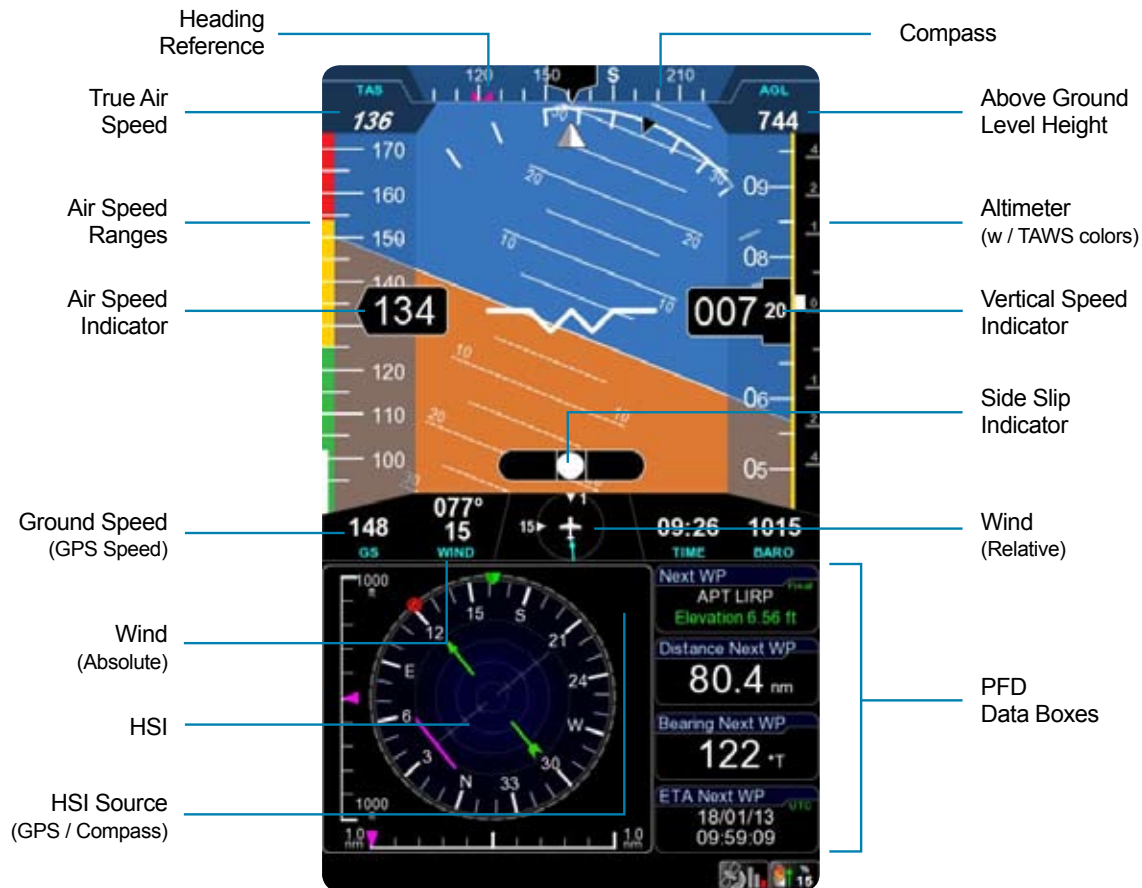
AvMap A2 ADAHRS

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 which the EKP V displays. A2 ADAHRS contains solid-state gyros, accelerometers, magnetic field sensors and air data sensors. Install the module in any orientation.

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

When connected to the A2 ADAHRS module, the 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
- ▶ Wind indicator with wind components
- ▶ Clear HSI display linked with the 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 (14.1 Oz) + A2 ADAHRS (1.8 Oz) + Docking Station + GPS receiver = only 30.3 Oz for the entire system!

Ease of installation

The 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

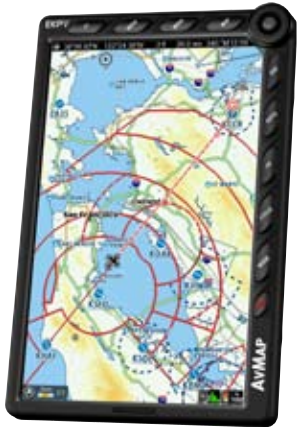
With 4 simultaneous USB connections plus 2 serial connections, it is easy to customize the system and connect the desired additional instruments at any time.

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 its functioning even in case of aircrafts power failure.

EKP V

* Function available in North America



Hardware:

- Dimensions: 4.3" x 6.8" x 0.8"
- Weight: 14.1 Oz
- Display: 7" (16:9) 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 2.76" x 2.36" x 1.38"
- Weight 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 (59" cable)
- UAV Navigation® technology inside

Cockpit Docking Station



Features:

- N. 2 serial ports (1 x RS-232, 1 x TTL levels)
- N. 4 USB 2.0 (1 x powered by the EKP V internal battery)
- Video input - Video composite signal PAL or NTSC
- Audio input and output
- Vibration proof AVG 16 connector
- Aeronautical grade wires for power supply
- Temperature Range -20 + 70 °C / -4°F to +158°F
- High sensitivity external GPS Receiver
- Power supply 10 - 35 VDC (28W max)

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



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