AvMap EKP V Navigation + Docking Station

Includes AIRPORT DIAGRAMS and APPROACH PLATES for Europe.

AvMap presents EKP V the next step in the evolution of aeronautical GPS, redefining the role of the GPS inside the cockpit.

Two versions available.
STD: Standard version supplied with quick-release connector for docking station.
OEM: Original Equipment version supplied with solder connector for docking station.

Fully Portable
A brilliant 7-inch display, with built-in battery and GPS, only 0.8 inch thick. EKP V is slim and light, yet very powerful: with built in u-blox 5 GPS receiver, built-in battery and speakers.

Offering full Connectivity
Thanks to the special Docking Station, you can connect EKP V to several on-board devices at the same time (autopilot, XM WX, CAS, EIS, EFIS etc.) so that the large 7 inch LCD becomes multifunctional and capable to display different flight info.

Fully Customizable
Easily change the layout choosing what to see and where to display it: maps, taws, weather, vertical profile on map, nav data, HSI, EFIS. Set different PROFILES for different aircrafts with different settings for taws, selective display and even different hard keys configurations.

User Friendly
The new practical keyboard includes a configurable key, a progressive jostick and a smart wheel selector. Ease of use is ensured by the new graphic interface and the full qwerty virtual keyboard.

INCLUDES COCKPIT DOCKING STATION.

Cockpit Docking Station
The Hub of your integrated avionic system.
The EKP V Cockpit Docking Station allows the installation of AvMap EKP V Aeronautical Navigator into the cockpit, and enables the unit to interface to multiple external devices at the same time.
The Cockpit Docking Station is conceived to host the EKP V when used as part of the basic on board instrumentation, becoming the hub of your integrated avionic system.

Multiple connections

The Docking Station transforms the EKP V large 7" LCD into a true multifunctional display and fight information system.

When docked the EKP V is powered by the aircraft electrical system and it can connect to several on-board devices at the same time such as: AvMap's IMU, third-party autopilots, XM WX, Zaon XRX.

The CDS includes 4 USB ports, 2 serial ports, Audio video input (NTSC and PAL) , Audio output. The external GPS antenna is included in the box.

Video on your EKP V

The Cockpit Docking Station includes a Audio video input (NTSC and PAL) that allows connecting the EKP V to video cameras with very useful applications for tail-draggers, or monitoring flights!

Safe connections

When docked, the EKP V is powered/charged by the aircraft electrical system (through a socket vibration proof for power supply AVG 16).

One of the USB ports is powered by the EKP V internal battery to ensure functionality even in case of aircraft electrical power failure.

DB 15 Connections

• 4 x USB 2.0 ports (1 x battery powered by EKP V internal),
• 2x Serials ports (1 x RS-232, 1 x TTL levels),
• Audio IN,
• Audio OUT,
• Video IN (video composite signal PAL or NTSC)
• Push-To-Talk

Specifications:

Hardware

Dimensions	4.3" x 6.8" x 0.8"
Weight	14.1 Oz
Display	7" (16:9) LCD TFT, 64k colors
Display Resolution	800 x 480 pixels
Display Brightness	600 cd/m2
Automatic Brightness Control	

Hardware

Built-in high sensitivity GPS receiver
with WAAS position accuracy

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	

Temperature range: -20+60° operative / -30°80° storage

Cockpit installation: through optional
Cockpit Cradle Kit or Cockpit docking station

Software

Horizontal / Vertical view

Night Vision

Go to smart menu
(cursor, Airports, VOR, NDB, Intersection, Address, POI, User Point, LAT LON)

Nearest Airport quick search

Set a street address as destination

Electronic flight bag: airport info, diagram and approach plate

Full flight planning capability, up to 15 flight plans of up to 100 legs each

Flight plan page with vertical profile

Vertical Profile on map

Airspace alarm and Flight plan Airspaces check

Full or split HSI / RMI screen with data fields

Full simulator functions

Fully customizable display: choose what to see and where!

Editable checklists to prepare your aircraft for the flight

Customizable profiles for each aircraft with different TAWS settings, map configurations etc.

SAR: Search and Rescue Patterns

Import and export flight plans, waypoints and routes from Navigator to PC

Compatible with the most popular flight planning services: import flight plans from Rocket Route, iFlightplanner and Google Earth

Free Software Updates

Extensions available through
Cockpit Docking Station

EFIS: when connected to optional A2 ADAHRS module
Traffic: when connected to optional Collision Avoidance Systems receiver
Video: when connected to optional video camera
Weather info: when connected to optional weather receiver such as XM WX Wxworx

Maps

Jeppesen Database

Street Database by HERE

Airport diagrams

Approach plates

FAA VFR charts (North America only)

Selective display: select which data to display at every map scale

Map cycles builder: create 3 customized map views choosing objects to be shown

Import your own charts through the AvMap Suite