

Excerpts of the ‘Pilot’s Guide to ForeFlight Mobile’

NTSB Investigation: ERA20LA305

Pilot's Guide to **FOREFLIGHT MOBILE**



ForeFlight
Intelligent Apps for Pilots™

90th Edition
Covers ForeFlight Mobile v13.4

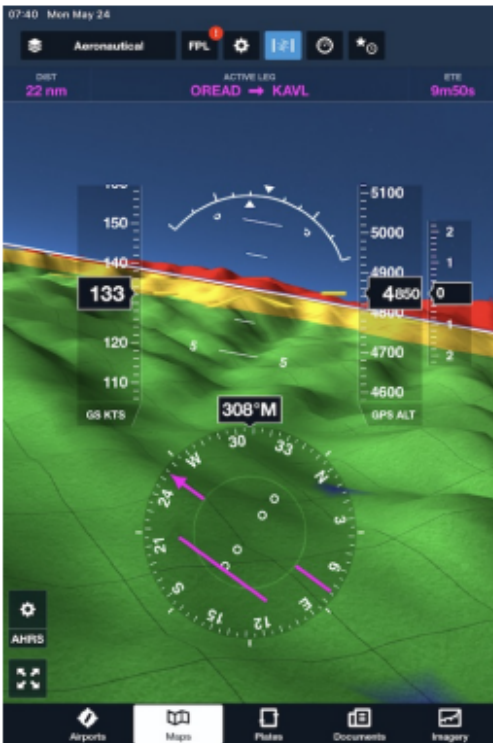
Attitude Indicator / Synthetic Vision

Tap the updated Attitude Indicator/Synthetic Vision (SV) button  at the top of the Maps page to view the Attitude Indicator display. On the iPad the display also includes GPS altitude (MSL), GPS ground track, GPS ground speed and GPS calculated rate of climb (ft/min). If connected to a Sentry or other supported AHRS-equipped external device, the display will also include AHRS-derived horizon (pitch & roll). However if using a GPS source that does not include an AHRS sensor, then attitude information (pitch, roll) is not displayed and the horizon will appear level regardless of your aircraft's attitude.

If you have a subscription that includes Synthetic Vision (SV), the display will also include a 3D depiction of the terrain ahead of you. Obstacles and Terrain are colored based on the relative altitude (tied to the Profile view altitude selection). By default, Obstacles or Terrain more than 1000' below you are colored green; within 1000' below your altitude are Yellow; and within 100' below to above your altitude are Red. The gridlines on the SV view are aligned North-South and East-West for easy orientation.



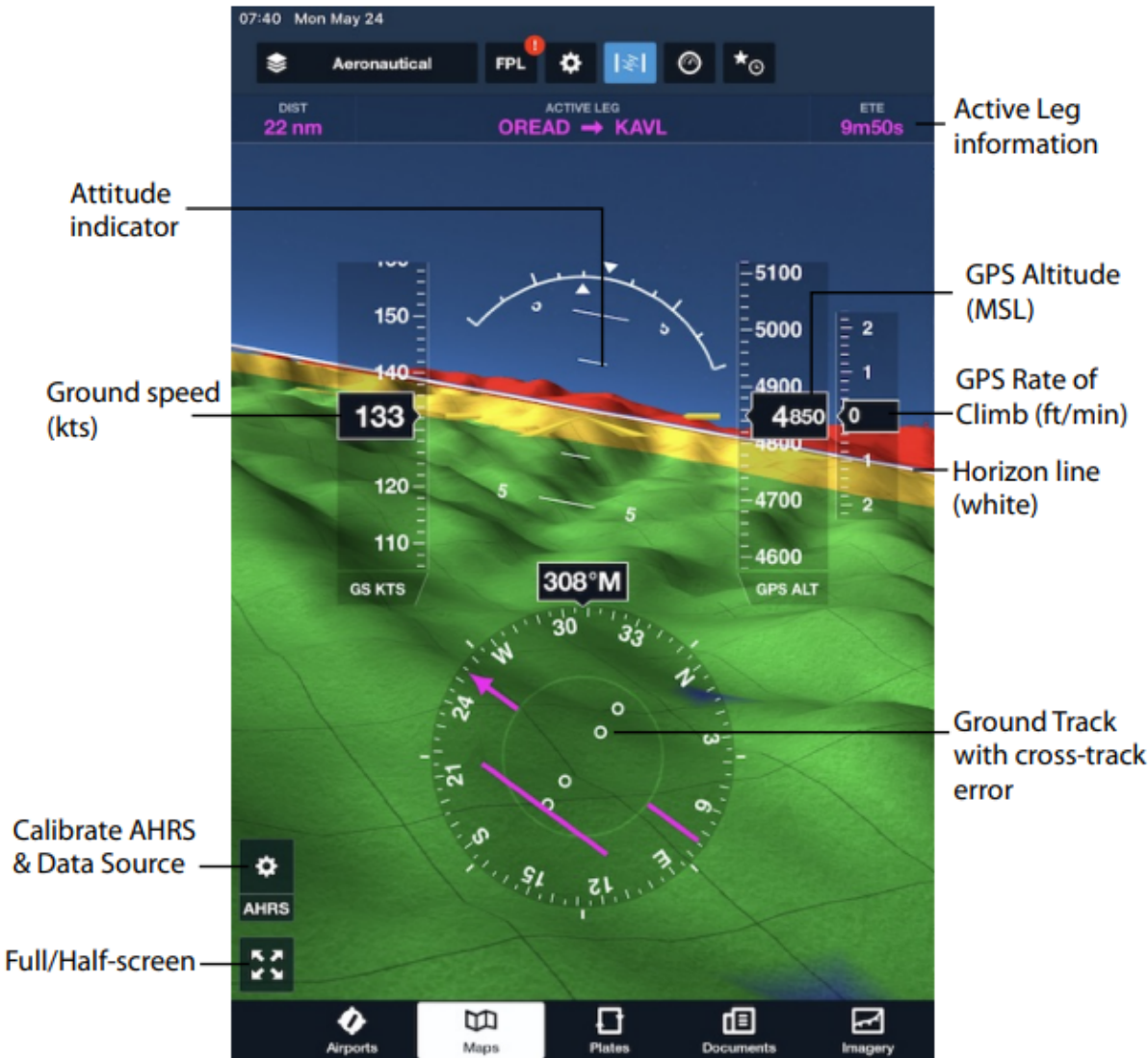
Attitude Indicator with GPS input but no SV subscription or AHRS input.



Attitude Indicator with AHRS input and SV subscription.

When the iPad is in Landscape orientation the AI/SV display is shown on the left side of the screen. When the iPad is in Portrait orientation the AI/SV display is shown at the top of the screen on the Maps page.

Tap the full-screen/half-screen button in the lower left corner of the screen to switch between split-screen and full-screen AI display in either landscape or portrait orientation.

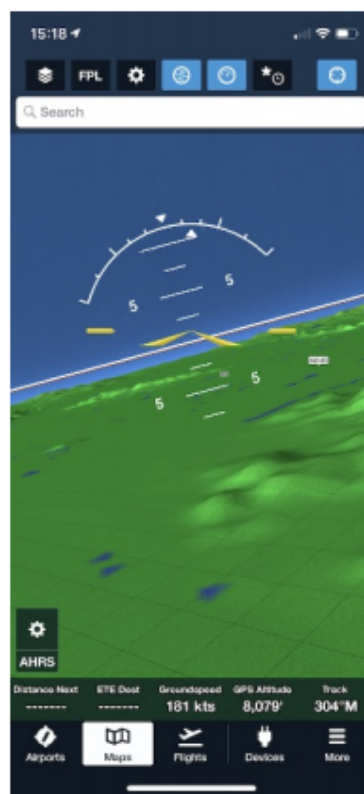


iPhone Attitude Indicator/Synthetic Vision (AI/SV)

The iPhone AI/SV display is always full-screen, and does not include the “tapes” for Ground speed, GPS rate of climb, GPS altitude, or the Ground Track compass circle. However you can display the Instrument panel at the bottom of the iPhone screen and choose instruments such as GPS altitude, Ground Speed, etc...

The iPhone AI/SV display works in both portrait orientation on any iPhone currently supported by ForeFlight Mobile *except* the iPhone 5, 5C, 5S, and SE.

NOTE: the iPhone Display Zoom View setting must be set to “Standard” to use SV.



IMPORTANT NOTICE: ATTITUDE INDICATOR DISPLAY

THE FOREFLIGHT ATTITUDE INDICATOR / SYNTHETIC VISION (AI/SV) DISPLAY IS FOR INFORMATIONAL PURPOSES ONLY. DO NOT USE THE FOREFLIGHT AI/SV DISPLAY AS A PRIMARY INSTRUMENT IN ANY PHASE OF FLIGHT.

THE FOREFLIGHT AI/SV DISPLAY SHOWS THE ATTITUDE OF THE AHRS-EQUIPPED EXTERNAL DEVICE. IF THE DEVICE IS NOT MOUNTED PROPERLY AND SECURELY IN THE AIRCRAFT, THE ATTITUDE SHOWN MAY NOT CORRESPOND TO THE AIRCRAFT'S ACTUAL ATTITUDE.

The AI display will automatically begin dimming to a darker “night” mode beginning 20 minutes before local sunset and will be fully dimmed 20 minutes after sunset. 20 minutes before local sunrise the AI display will automatically begin brightening to “day” mode.