

NEW FEATURES AND CHANGES IN AG-NAV SOFTWARE VERSION 7.50

November 2007

NAVIGATE/AG-TRAIN:

Program name: **NAVIGATE** for real time navigation, **AG-TRAIN** for training

Version 7.50:

- 1) Fix a problem in Contour Guidance. Look ahead for the next segment on contour and provide guidance for steering aircraft to be on the contour more smoothly. Short segments (taking less than 2 seconds to fly) on contour are ignored.
- 2) Fix an error in displaying area or project file name: For areas/projects created in 2006, AGNAV will display "06" instead of "96".
- 3) Fix a problem related to displaying spray on data during flight.

Version 7.50A:

- 4) Adjust XTrack bar based on Look Ahead Time defined in Startup Default. This helps reduce overshooting on the locked line. It is recommended that the Look Ahead Time be set to 1.0 second.
- 5) Use System Lag to compensate lag in GPS data only. This won't improve the delay in guidance. To improve the delay in guidance, you should use the Look Ahead Time.

Version 7.50B:

- 6) Check and reset lightbar when problem found with data communications. This problem normally caused lightbar to freeze.
- 7) May output GPRMC data when requested.
- 8) Remove "OTH" from "FLY" menu.

Version 7.50C:

- 9) Support new Nav Bar. This lightbar replaces the Smart Bar. Nav bar provides 4 pieces of information, 2 bars for guidance and 1 bar for time line. The numerical information has 4 characters for each piece.
- 10) Remove Rename and Copy functions from Navigate and AG-TRAIN programs.

Version 7.50D:

- 11) Display background of Main menu in white.
- 12) Fixed problem related to No Map Rotate when speed < 0.5m/s.

- 13) Support Iridium modem for aircraft tracking.
- 14) Support Humidity and Temperature sensor.

Version 7.50E:

- 15) Fixed problem related to lightbar setting defaults.
- 16) Fixed problem related to display on Pilot Indicator when spray on.

Version 7.50F:

- 17) Fixed problem related to spray acreage display.

AG-NAV FILE MANAGER:

Program name: **AGMANAIR**

Version 5.4:

Display background in white and use color display as default

AG-NAV Main Menu:

Program name: **MENUAG**

Version 8.0:

- 1) Display background in white and use color display as default.
- 2) Add "Calibrate AGNAV Flow Controller" to test and calibrate AGNAV flow controller.

AG-NAV USB SOFTWARE:

Program name: **USB4DOS**

Version 3.0:

Display background in white and use color display as default