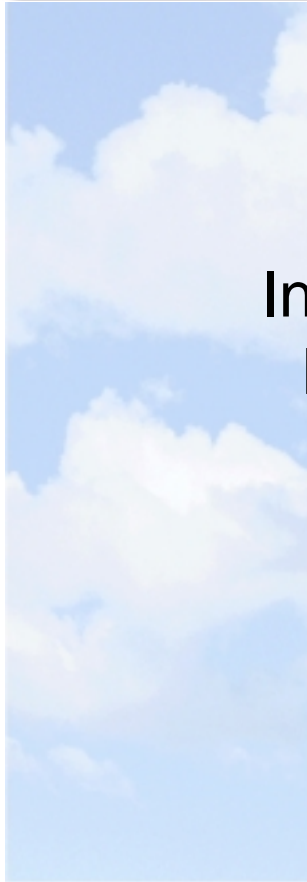


FlightMax™

Flight Situation Display



Introduction and Release Notes

Part Number 600-0054 Revision 00

Revision History

Date	Revision	Description
Sep. 7, 2000	00	Production Release

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Introduction and Release Notes

Introduction

The Avidyne FlightMax Flight Situation Display (referred to as the FSD) is the most advanced display and navigation system available for general aviation today. This part of the FlightMax FSD Pilot's Guide is an introduction to the system and the Pilot's Guide. Topics include:

- *Overview* - presents general information about the FlightMax FSD and the Pilot's Guide
- *Installation* - provides important information concerning the installation of the FlightMax FSD.
- *Release Notes* - explains what changes have occurred since the last release.
- *Temporary Documentation Changes* - explains how document changes are handled.
- *Notational Conventions* - explains the writing conventions used and what they mean.
- *Software License* - legal information about licensing and Avidyne software.

Overview

The FlightMax system consists of the following main components:

- FlightMax Control and Display Unit, incorporating a high brightness 5” diagonal active matrix color display
- Optional CD-ROM drive
- Registration and Warranty documentation package

An Approved Flight Manual Supplement (AMFS) will be provided by your installer. The AFMS contains information specific to your installation. It contains any operating limitations that may apply. Note that limitations listed in the AFMS are legally binding under the Federal Aviation Regulations.

Pilot’s Guide Structure

The Pilot’s Guide is divided into chapters and reflects the configuration of your system. The first three chapters are standard:

- Introduction and Release Notes
- General Operating Procedures
- FlightMax Map

The following chapters are optional, depending on which model and options are installed:

- FlightMax Lightning
- FlightMax Radar
- FlightMax Traffic
- FlightMax Charts
- FlightMax GroundProx

Also, there are various versions of Parts 5 and 6 (Radar and Traffic), in order to reflect the specific sensor being used. For example: if the traffic sensor is a Ryan TCAD, the user documentation will refer to that particular sensor.

Installation

Equipment Installation

The FlightMax FSD must be installed by your authorized dealer. Your dealer will connect the unit to your GPS and all other appropriate sensors, and will verify the proper configuration and operation of your equipment. He will supply you with the documentation you will need to use the equipment safely and effectively.

If your GPS installation is a new one, you must make sure that it is approved for your intended use. Any limitations on the flight conditions or operational circumstances under which your GPS may be used automatically apply to the use of its data by FlightMax options. For example, if your GPS installation is limited to VFR use only, this limitation applies to its use by the FSD as well.

Option Installation

All FlightMax functions are factory installed.

Proper installation of each FlightMax function is verified by the presence of its icon and text label in the system main menu. If the icon and label of any option you have purchased are not present in the system main menu, contact your dealer for assistance.

The icons and labels for some of the currently available options are shown in Figure 1.

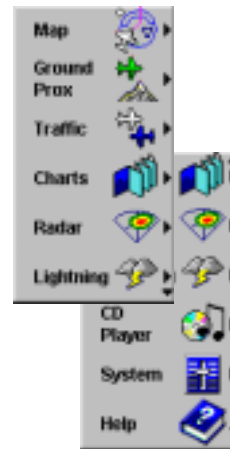


Figure 1: Function Icons

Release Notes

What's New

This release of the FSD introduces two new functions: FlightMax Map and FlightMax GroundProx, as well as a new model, the FlightMax 850.

FlightMax Map is a flexible moving map display, with the following features:

- External navigation from a GPS or FMS
- Three types of map displays: none, political and terrain
- Detail display of nav aids, airports and airways.
- Flight plan display
- Overlay of radar, lightning, and/or traffic information.

GroundProx interfaces with an Enhanced Ground Proximity Warning System (EGPWS), with the following features:

- Color coded terrain display, indicating varying relative altitudes.
- Visual and aural warning of terrain/obstacle threats.

The new model FlightMax 850 supports the following features:

- Interface with Collins radars WXR 250/270/270A/900
- Interface with Bendix King radars 1100/1200/1300
- Optional interface with EGPWS

Temporary Documentation Changes

Documentation changes that reflect deviations from the intended behavior of the system or errors in the documentation issued with your system are referred to as *temporary changes*. Avidyne has adopted the standard industry practice of publishing these changes on an as-needed basis on yellow paper, for insertion into this manual at appropriate points.

When changes are necessary, Avidyne publishes a log of all temporary changes and a cumulative set of change pages. The log and change pages indicate what and where in the manual is being corrected. Please insert the change pages where indicated. Corrections are added to the next revision of the manual.

Notational Conventions

The Pilot's Guide uses several notational conventions for easier comprehension of the material. The following list contains some of the more common ones:

Table 1: Notational Conventions

Convention	Meaning
Italics	Italics are used for emphasis. This includes terms that are being introduced for the first time and terms that are being defined.
Bold	Bold is used to indicate fixed function controls and displays such as Power , Enter , Escape and Menu
Small Caps	Small Caps are used to indicate screen text exactly as it appears on the screen. This includes menu names (HELP, TRAFFIC, etc.), line select key labels (CONFIRM, SAVE, EDIT), flags (EXPIRED, HOLD), and others.
Menu Path	To make it easier to locate a specific function within the menu structure, Avidyne uses the same format to indicate the path: LIGHTNING→SETTINGS→CONTOURS STRIKE The higher level menu is always to the left.

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