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## AVIO FLIGHT BAG FREQUENTLY ASKED QUESTIONS

# Avio Flight Bag Frequently Asked Questions

## GENERAL QUESTIONS

**1. What is the Avio Flight Bag (AFB) ?**

The Avio Flight Bag, or AFB, is a suite of software applications designed to extend Eclipse's Avio Total Aircraft Integration beyond the aircraft to facilitate pre-flight planning, and provide a path to a paperless cockpit.

**2. What is the intended function of the Avio Flight Bag (AFB) ?**

The AFB is optional equipment that supplements the Airplane Flight Manual (AFM) and Avio Integrated Flight Deck. The AFB is designed to address the growing operational needs of pilots, providing innovative, convenient and safe methods of ensuring proper planning and flight operations

**3. So, isn't the AFB really just a customized Electronic Flight Bag (EFB) ?**

Yes.

However, the AFB is the only suite of software tools exclusively designed by Eclipse for the Eclipse 500 aircraft.

**4. Is the AFB required for any type of flight operation ?**

No.

The AFB is optional equipment. The Avio Integrated Flight Deck provides all information necessary to safely conduct all flight operations.

**5. Is the AFB hardware, software, or both ?**

Both.

The AFB consists of a core suite of software tools, along with a recommended hardware platform, the new Fujitsu P1610 convertible tablet computer.

**6. Do I need the Fujitsu P1610D to use the AFB software ?**

No. The AFB software suite will run on any PC using the Windows XP Service Pack 2 operating system that meets the minimum hardware requirements.

However, the software is optimized for the Wide XGA screen format (1280 pixels by 768 pixels). The new Fujitsu P1610 provides the best combination hardware capability, including an 8.9 inch Wide XGA display with improved sunlight readability. Future versions of the AFB will be customized exclusively for the Fujitsu P1610.

**7. What type of Charts does the AFB provide?**

The AFB provides the following FAA/NACO instrument and visual charts for the Continental United States (“Lower 48” contiguous states).

IFR High Altitude En Route	World Aeronautical Charts (WAC)
IFR Low Altitude En Route	VFR Sectionals
	VFR Terminal Area Charts (TAC)
	VFR Terminal Area Flyway Charts

The IFR En Route charts are provided in both day (white background) and night (black background).

**8. What type of Terminal Procedures (TERPS) does the AFB provide?**

The AFB provides the following FAA/NACO terminal procedure charts (aka TERPS, plates, etc.) for the Continental United States (“Lower 48” contiguous states).

Departure Procedures (DP) / Standard Instrument Departures (SID)  
Arrival Procedures / Standard Terminal Arrivals (STAR)  
Standard Instrument Approach Procedures (SIAP) ... aka Approach Plates  
Airport Diagrams  
Departure Minima and Alternate Minima Information

All terminal procedures are provided in both day (white background) and night (black background).

**9. What type of Airport Data does the AFB provide ?**

The AFB “Avio Guide” is a compilation of the AOPA Airport Directory database and select information specific to Eclipse Flight Support and the JetComplete customer care programs.

**10. What type of Documents does the AFB provide?**

The AFB “Flight Library” will contain the following documents:

Eclipse 500 Quick Reference Handbook (QRH)  
Eclipse 500 Airplane Flight Manual (AFM)  
Eclipse 500 Airplane Flight Manual Supplements (AFMS) when issued  
AFB User Guide

Aeronautical Information Manual (AIM)  
Federal Aviation Regulations (FAR) Parts 1, 61, 67, 91, and 135  
NASA Aviation Safety Report (ASRS)  
NTSB Form 830 Notification of Accidents and Incidents

**11. Are updates provided ?**

Each AFB software suite comes with 1-year of updates for all charts, TERPS, and documents. Annual subscriptions will be available for \$295/year and all updates will be provided electronically for subscribers.

**12. What is the coverage area for Charts and TERPS ?**

The AFB provides the FAA/NACO instrument en route charts, and visual charts, and terminal procedures for the Continental United States (“Lower 48” contiguous states).

**13. When will other coverage areas become available ?**

Additional coverage areas will be included as aircraft are delivered.

**14. Can I get Jeppesen Charts and/or TERPS ?**

Eclipse is assessing customer demand for Jeppesen electronic charts and TERPS.

**15. Can I display my own (user defined) Documents ?**

No.

**16. Does the AFB display weather ?**

No.

Strategic weather information is available through the XM system built into Avio.  
Tactical weather information is available through the onboard weather radar.

**17. Does the AFB display a geo-referenced aircraft on Charts and TERPS ?**

No.

Geo-referencing of charts and TERPS is being considered for a 2007 software upgrade.

**18. May I use the AFB in other aircraft ?**

Yes.

The charts, TERPS, and Airport Directory available through the AFB provide valuable information for pilots of all aircraft.

**INSTALLATION RELATED QUESTIONS**

**19. How do I install the AFB Software**

For owners of the bundled system, the AFB software comes pre-installed on the Fujitsu P1610.

For owners of the software only, the AFB software installer is provided on a single DVD disk. Simply launch the installer per the AFB Software Installation Guide, and follow the onscreen prompts.

**20. How do I update the AFB Software and Data ?**

The AFB software suite is integrated with the Macrovision Update Manager utility to provide a nearly hands off update process.

The currency status of all software and data is viewable on the AFB (Overview status on the *Main Page*, and detailed status on the *Configuration Module, Databases Tab*).

The AFB will automatically check for updates every day, whenever there is a connection to the Internet. The Update Manager will automatically alert you to updates with a small pop-up at the bottom of your computer screen.

You may also manual check for updates by running the Update Manager from your Windows Desktop under the Start → All Programs menu.

**21. May I run the AFB software on multiple computers ?**

Each set of AFB software is licensed for a SINGLE computer. Please carefully read the End-User License Agreement (EULA) provided with the AFB software.

**HARDWARE RELATED QUESTIONS**

**22. Is the Fujitsu P1610 display sunlight readable ?**

The Fujitsu P1610 display is designed for enhanced indoor and outdoor readability. While it is not as sunlight readable as your Avio Integrated Flight Deck, it provides superior performance over standard tablet PC systems.

In the coming months, there should also be several aftermarket screen protectors and anti-reflective filters available for the P1610. Fujitsu uses and recommends the 3M products.

**23. Does the Fujitsu P1610 run on batteries, or can I connect it to aircraft power ?**

The Fujitsu P1610 comes standard with a high-capacity battery that should provide 4+/- hours of continuous operation.

On Eclipse 500 aircraft equipped with the optional LX interior or Part 135 kit, three AC Power Plugs are included. The 1610 may be powered or recharged through the standard Fujitsu power cord.

Pilots must take into account the heat generated by continuous operation of the computer, and by the battery and power cord during charging operations.

**24. What is the expected battery life ?**

Although Fujitsu advertises 7 hours from the Extended Battery, AFB users have experienced 4+/- hours during normal operation without any external devices connected, and the wireless system turned off.

**25. What is the Warranty on the P1610 ?**

The P1610 sold through the Eclipse Store comes with a 3-Year No Fault Warranty that includes coverage for the screen.

Contact Eclipse Customer Care at 1.877.232.5115 or [AFBSupport@eclipseaviation.com](mailto:AFBSupport@eclipseaviation.com) for assistance with any hardware related issue.

**26. Is there On-Site Service, or do I need to ship my computer for repair ?**

The P1610 sold through the Eclipse Store comes with 3-Year Executive Next-Day On-Site Service for most metropolitan areas. Service in rural areas may require more than one day.

Contact Eclipse Customer Care at 1.877.232.5115 or [AFBSupport@eclipseaviation.com](mailto:AFBSupport@eclipseaviation.com) for assistance with any hardware related issue.

**27. Can I connect the AFB to my home, office, or public network ?**

Yes, the Fujitsu P1610 is a fully functional Windows XP computer. You could easily use the AFB as your day-to-day computer.

**28. Do I need to use a “special” stylus on the P1610 screen ?**

No, the P1610 comes with an “any touch” screen that works with your finger, as well as the built in stylus.

If not using the Fujitsu stylus, we recommend the use of a screen protector to reduce the chance of screen damage from sharp or rough objects.

**29. Do I need to calibrate the screen ?**

If the touch response is not suitable, you may run the screen calibration utility from the Windows Control Panel. Consult the user manual delivered with the P1610 system.

**30. Will my existing wireless devices work with the AFB ?**

Yes. the Fujitsu P1610 is a fully functional Windows XP computer. You could easily use the AFB as your day-to-day computer.

**OPERATIONAL QUESTIONS**

**31. Is the AFB a Class-1, Class-2, or Class-3 device ?**

As an “off the shelf” consumer device, the Fujitsu P1610 is considered a Class-1 Electronic Flight Bag.

Consult FAA Advisory Circular (AC) 120-76A for more information.

**32. Does the AFB run Type-A, Type-B, or Type-C applications ?**

The AFB software suite includes Type-A and Type-B applications.

The Type-A applications include the Configuration Module, and the documents in the Flight Library.

The Type-B applications include the weight & balance and performance calculations in the Planning Module, the display of aeronautical charts in the En Route module, the display of terminal procedures in the Terminal Module, and the database derived airport information in the Directory Module.

Consult FAA Advisory Circular (AC) 120-76A for more information.

**33. Does the AFB communicate with the Avio flight deck ?**

No.

At this time, as a Class-1 system, the AFB is a stand-alone device.

**34. Can I mount my AFB to the aircraft ?**

Yes, however, FAA approval is required.

Consult FAA Advisory Circular (AC) 120-76A and the FAA EFB Job Aid for more information.

**35. Can I use the P1610 in flight ?**

Yes, as long as you comply with the FAA regulations governing the use of portable electronic devices (PEDs) in aircraft.

FAR Part 91.21 allows for the operation of PEDs which the operator of the aircraft has determined will not interfere with the navigation or communication system of that aircraft. FAA Advisory Circular (AC) 91.21-1A provides detailed information.

Part 91 operators may wish to consult their FAA FSDO for an assessment on procedures and paperwork required in the aircraft.

Part-91K fractional operations are governed by FAA approved Management Specifications (MSpecs). An FAA Operational Approval will be required prior to issuance of the applicable MSpec(s).

Part-135 on-demand air carriers are governed by FAA approved Operations Specifications (OpSpecs). At a minimum, an FAA Operational Approval will be required prior to issuance of the applicable OpSpec(s).

**36. Can I run other software on the AFB in flight ?**

Yes. As long as the device does not connect with, or communicate with the aircraft or avionics, the PED approval is irrespective of the software application being used.

**37. Can I use the AFB under Part 91 ?**

Part 91 operators may employ the AFB for all phase of flight.

Consult FAA Advisory Circular (AC) 120-76A and the FAA EFB Job Aid for more information.

**38. Can I use the AFB under Part 91K Fractional Operations ?**

Part 91K operators may employ the AFB for those purposed and phase of flight approved in the FAA approved Management Specifications (MSpecs). An FAA Operational Approval will be required prior to issuance of the applicable MSpec(s).

Consult FAA Advisory Circular (AC) 120-76A and the FAA EFB Job Aid for more information.

**39. Can I use the AFB under Part 135 On-Demand Air Carrier Operations ?**

Part 135 operators may employ the AFB for those purposed and phase of flight approved in the FAA approved Operations Specifications (OpSpecs). At a minimum, an FAA Operational Approval will be required prior to issuance of the applicable OpSpec(s).

Consult FAA Advisory Circular (AC) 120-76A and the FAA EFB Job Aid for more information.