



eFLYBook

By **ARINC**

Powered By  **MyAirplane.com**

User Guide

EFLYBOOK

User Guide

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4681 Township Road 126

Cardington, OH 43315

TOLL FREE (888) 406-7388

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Using eFlyBook

Congratulations on your purchase of eFlyBook, the first aviation charting solution utilizing electronic ink, for perfect viewing even in direct sunlight. eFlyBook is a portable electronic device that contains all of the U.S. digitized terminal procedures, IFR high and low altitude enroute charts, U.S. airport facility directory, the FAR/AIM, and can accommodate other user installed eDocs such as books, newspapers, magazines, pictures, and many others.



Powering on eFlyBook

Figure 1-1 shows a close-up of the power switch. The power switch is located on the bottom right side of the device. Slide and hold the switch to the left for two seconds to power the device on or off.



Figure 1-1: The Power Switch

When the device starts it will show a welcome screen, along with a progress bar along the bottom. This bar (shown in Figure 1-2) is made up of a number of rectangles. These rectangles will fill in as the startup progresses.

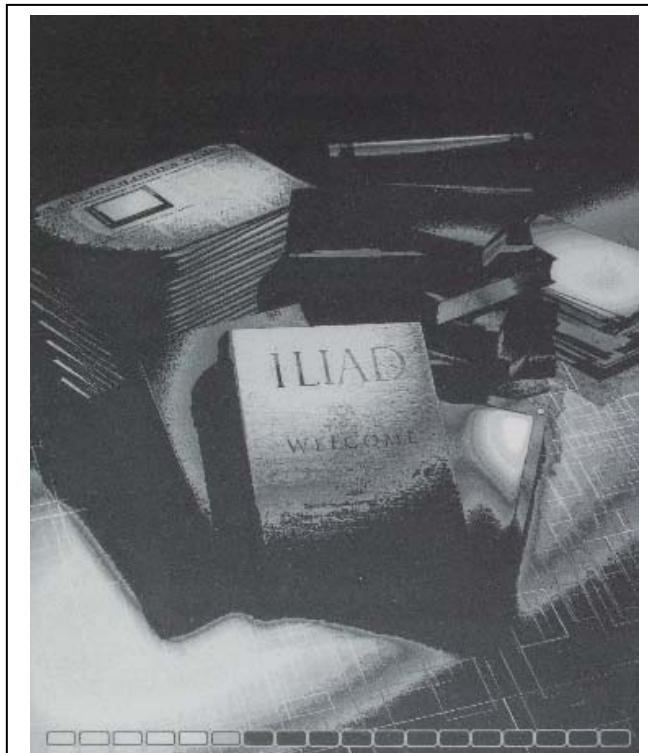


Figure 1-2: The Welcome Screen

Once the eFlyBook has finished its startup tasks, you will be able to use the unit. You will be presented with either the “Recent Documents” menu that shows you the most recent documents that you have viewed, or the “Device Manager” which will allow you to manage your device settings. The device manager screen is shown in “Figure 1-3”.

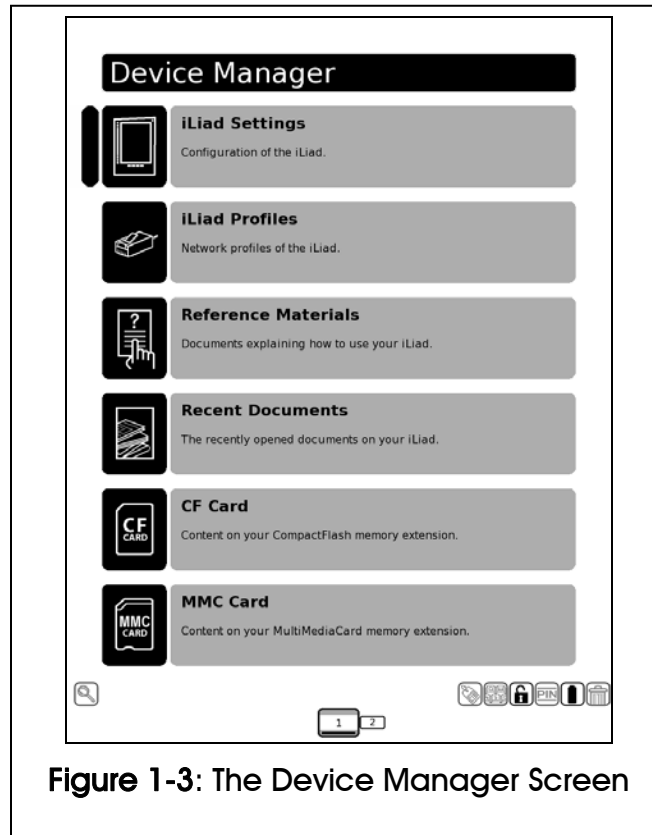
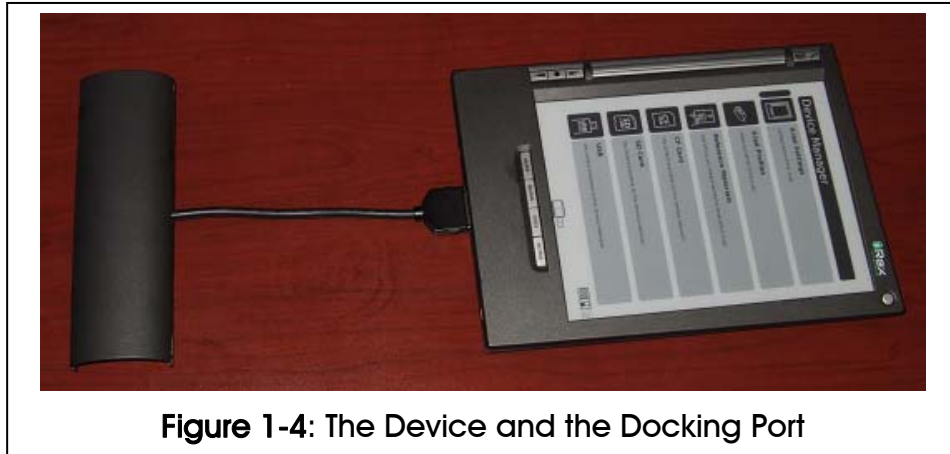


Figure 1-3: The Device Manager Screen

First Steps

When you use your eFlyBook for the first time, you'll want to have the device check for firmware or operating system upgrades. This is an easy process. First, connect your device to your network. You can do this either wirelessly if you have a wireless network at home, or by plugging a network cable into the eFlyBook's docking port and plugging the docking port into the eFlyBook device. Figure 1-4 shows the device attached to the docking port.



Check the hardware manual that came with the device for details on setting up wireless networking if you have difficulty.

To update the firmware, simply press the silver button found in the top right corner on the front of the device, shown in Figure 1-5.



While the update is progressing, you will see a progress screen like the one shown in Figure 1-6.

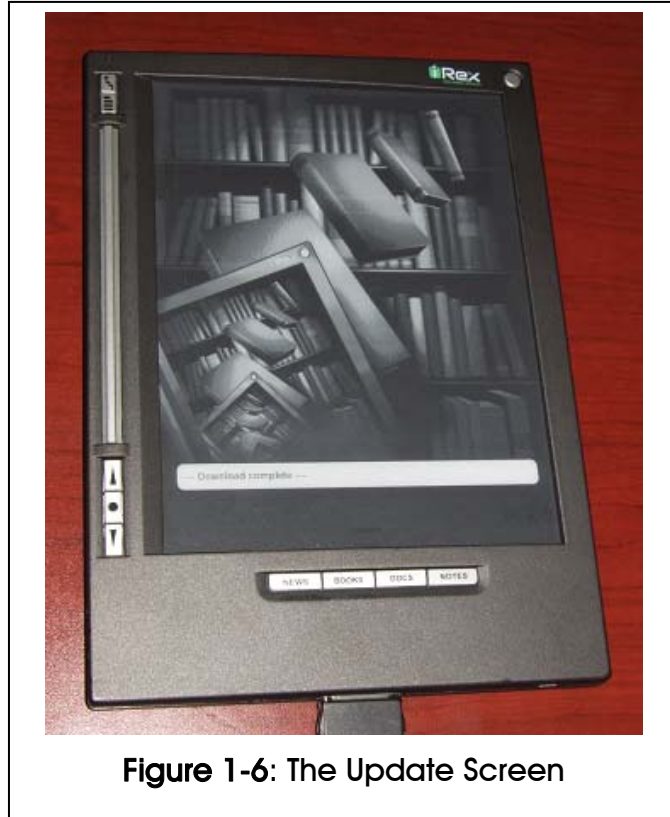


Figure 1-6: The Update Screen

Navigating the Pages

The eFlyBook, based on the iRex electronic ink document viewer, has a number of controls that revolve around the idea that you are holding a book. Keep this in mind and learning to navigate among the documents and features of eFlyBook will be easy.

The first button at the top of Figure 1-7 is the “step back” button. This will take you back or up one level, depending upon the last action you’ve taken. It’s a good way to back out of the section you’re in and go on to another.

The next button is the Main Menu button, also known as “Device Manager”. This will back you all the way out of any area you’ve navigated to, and allow you to begin again.

The next control is the long bar extending most of the length of the device. This is the page flipper. Here’s where thinking of eFlyBook as an actual book will help. Flipping the switch to the left is like turning a page to the left, moving you forward through the book. Moving the bar to the right is like leafing backward through the book, showing you the previous page. While this is somewhat different from how computers often work with their forward and back buttons, in no time you’ll feel like you’re thumbing through an actual book!

The next control is the move up button. This moves the focus of the active item on the screen up. While you can tap directly on the menu items on the screen, this provides another way for you to make these selections.

The next button is the Select button. Once you’ve highlighted the correct menu choice, press this button to select it.

The final navigation is the move down button. Press this button to move the focus of the active item on the screen up one. Use this in conjunction with the move down button to move up and down among the menu choices on the screen.

In addition to using the buttons to navigate, you may also use the stylus to select items. Slide the stylus out of its slot (shown in Figure 1-8) to use it. NOTE: The screen will not be touch sensitive, and the controls will be frozen while the stylus is in the device.

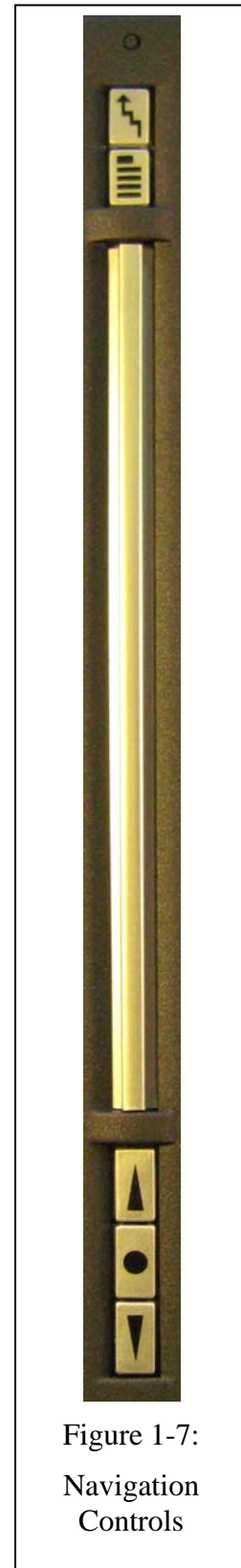


Figure 1-7:
Navigation
Controls

This allows you to pop the stylus back into it's slot once you've found your place and you can be sure your page won't change if you accidentally bump a button.



Figure 1-8: The Back of the Device

In addition to the buttons on the device, there will be buttons and menu items on the screen. These can include things like a trashcan icon for deleting documents, a keyboard icon for pulling up a large keyboard used for text entry, and others.

Updating Charts on the eFlyBook

Your eFlyBook came with a program called eFlyBookUpdate. This program runs in the background on your computer, and periodically updates the charts and databases, and even the program eFlyBook uses to show you them. This all happens in the background. From your perspective, as long as you keep your subscription current your desktop or laptop computer will always have the latest charts available.

Knowing that you have the latest charts available is great, but you still need to get those charts on to your device. This section will show you how to do that.

The first step is launching the eFlyBookUpdate Client. You can do this by clicking on the eFlyBookUpdate notification icon (shown in figure 1-9).

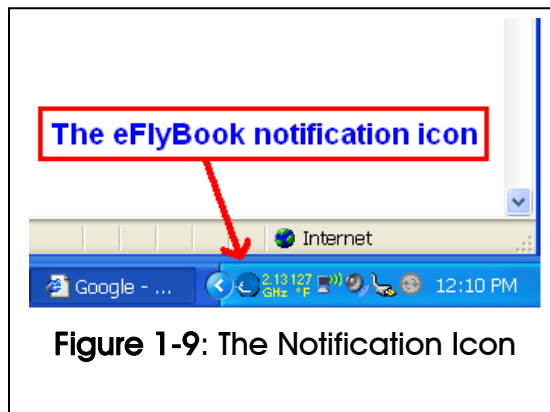


Figure 1-9: The Notification Icon

Click on this notification icon and the eFlyBookUpdate window will open up. It is shown in Figure 1-10.

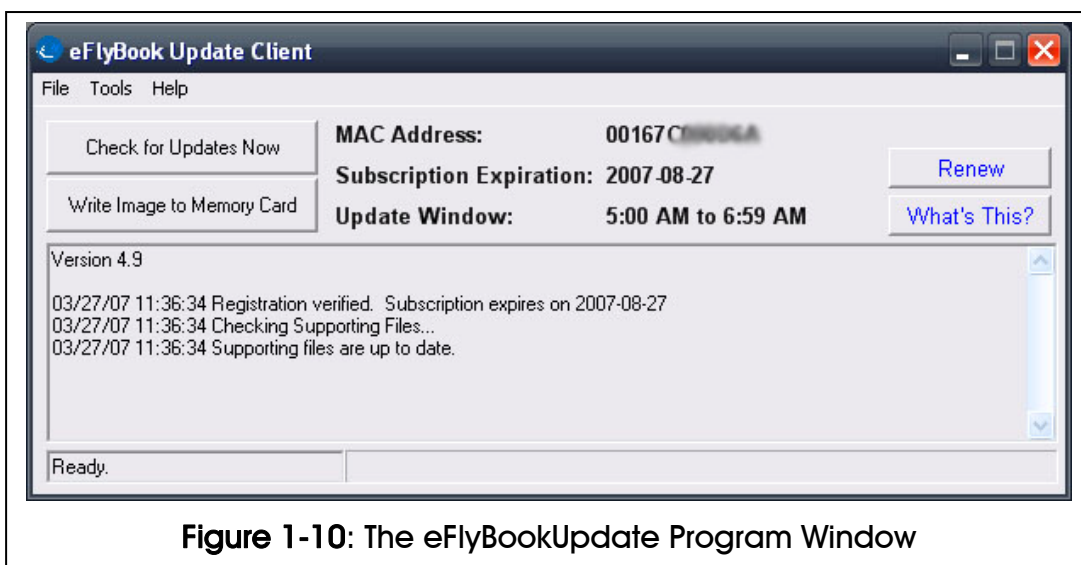


Figure 1-10: The eFlyBookUpdate Program Window

From the main eFlyBook Update screen, you will need to click on “Write Image To Memory Card”. This will launch the chart transfer application. A small window will appear and ask you to connect your SD card to your computer using either an integrated memory card reader or by using an external USB one. These card readers ARE NOT provided for you, you will need to purchase one yourself. You can purchase these at almost any computer or electronics store for less than \$20.

Once you have connected your SD card to your computer, Windows will assign the card a drive letter. You will need to know this drive letter for the next step. Depending on your version of windows, you may have been presented with an “Autorun” window asking what you would like to do with this drive. You can get the drive letter from here, or simply hit cancel here and double click on the “My Computer” icon to find it there.

Once you have taken note of the drive letter, press the “Ok” button on the message telling you to connect the SD card to your computer. You will then be presented with a window asking you to select the drive letter that you connected your SD card to (shown in figure 1-11). You can click on the arrows on the right hand side of the input box and select the corresponding drive letter. Once you have selected the correct drive letter, press the write button to begin the transfer process.

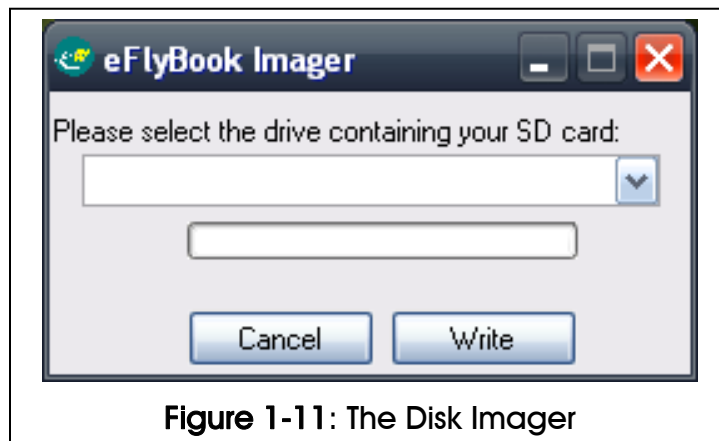


Figure 1-11: The Disk Imager

The chart transfer process can take between 5 and 10 minutes to complete depending on the speed of your computer. Once the transfer has been completed successfully you can remove the card from your computer and place it back in your eFlyBook for use.

Aviation Charts

To get to the aviation charts, first make sure the memory card on which you've copied the charts downloaded by eFlyBookUpdate is inserted in the device. Figure 2-1 shows the top of the device, with the empty SD slot where the SD memory card goes.



Figure 2-1: The SD Memory Card Slot

Once the memory card is in the device, press the Documents (DOCS) button on the front of the device. This is shown in figure 2-2.



Figure 2-2: The DOCS Button

Pressing the DOCS button will take you to the Documents screen, shown in Figure 2-3. Note that your screen may be somewhat different depending upon the documents you have loaded on the device.

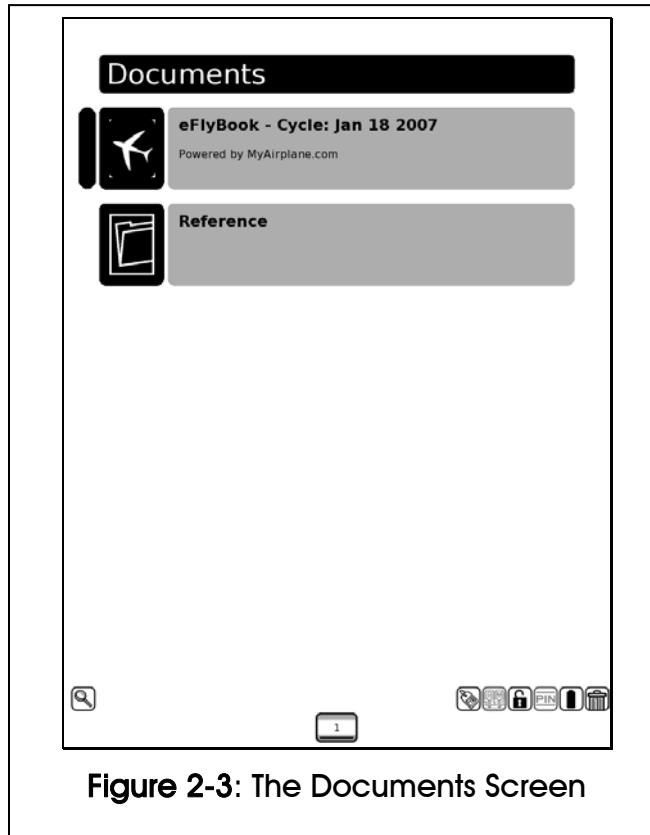


Figure 2-3: The Documents Screen

Press the eFlyBook button to start using the aviation charts. The main menu for the eFlyBook is shown in Figure 2-4.

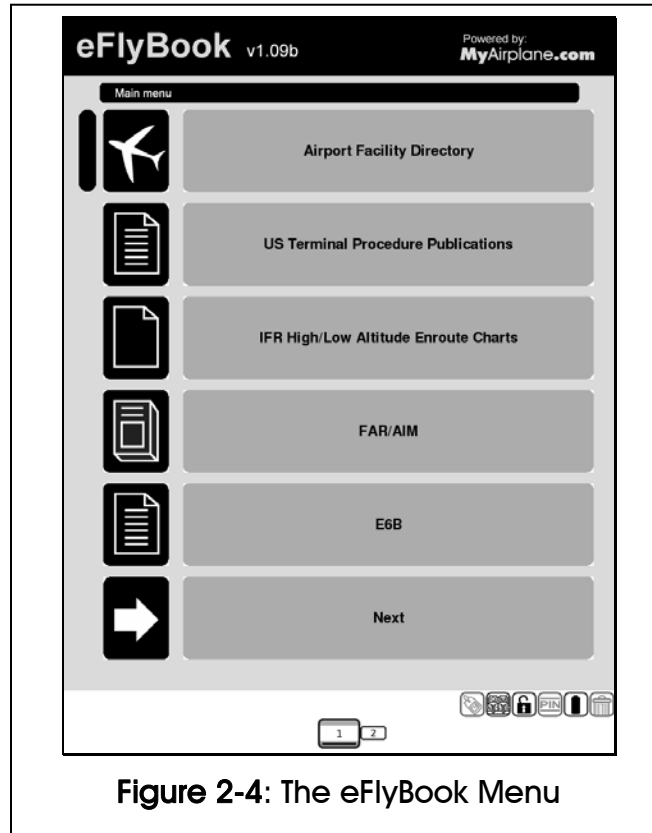


Figure 2-4: The eFlyBook Menu

Tap on any one of the menu items to navigate to that section.

Airport Facility Directory

The airport facility directory contains detailed information on over twenty thousand airports. This directory information includes the airport location, the name of the sectional chart the airport can be located on, the elevation and flight service station information, and much more.

When you first start the airport facility directory, you will be presented with a search screen. This is shown in Figure 2-5.

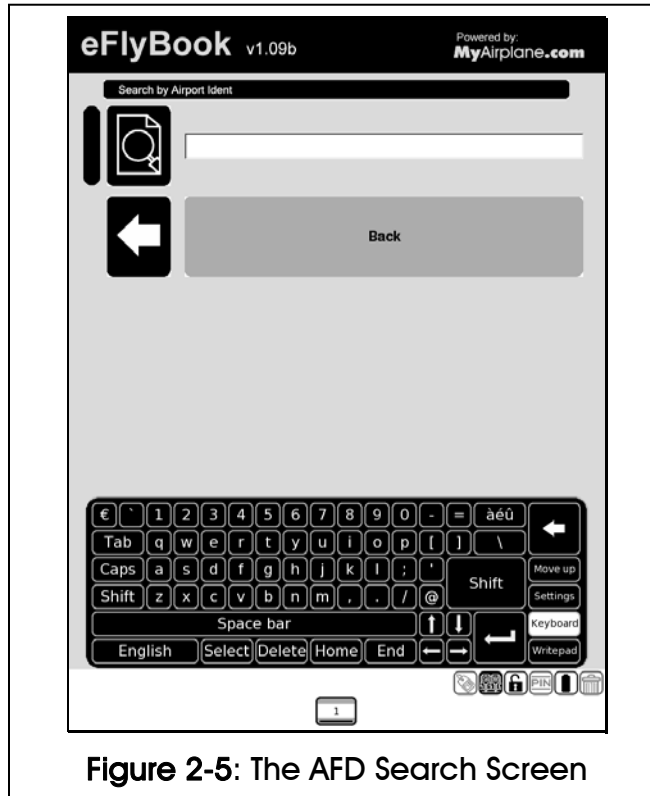



Figure 2-5: The AFD Search Screen

To search on an airport, use the on-screen keyboard to enter in the airports identifier, and press the Search button . The eFlyBook will search its database, and show you a list of chart types for the identifier entered. If the airport identifier is not found you will see a message to this effect.

As of the time of publication of this manual, the airport directory is still under development. Further documentation will be published to your device as it becomes available.

US Terminal Procedure Publications

When you click on the US Terminal Procedure Publications button, you will be presented with a search screen just like the Airport Facility Directory search screen. Again, type in the airport identifier to find the airport you are interested in. If eFlyBook can find the identifier you've entered, you'll see a list of the publication types available for that airport. Note that not all airports will have all of the available publications, so your list of publications may not contain all of these types.

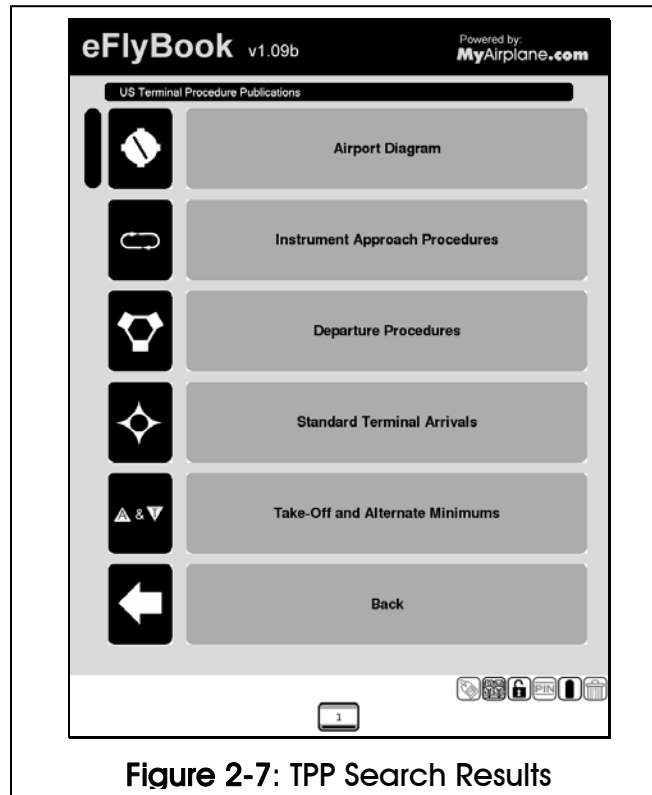


Figure 2-7: TPP Search Results

Tap each section to view the chart or charts for that section. These sections are shown in figures 2-8 through 2-12. In cases where the chart type can offer more than one chart (such as STARs) you will be presented with the list of charts of that type. Figure 2-10 shows one such list and one of the charts.

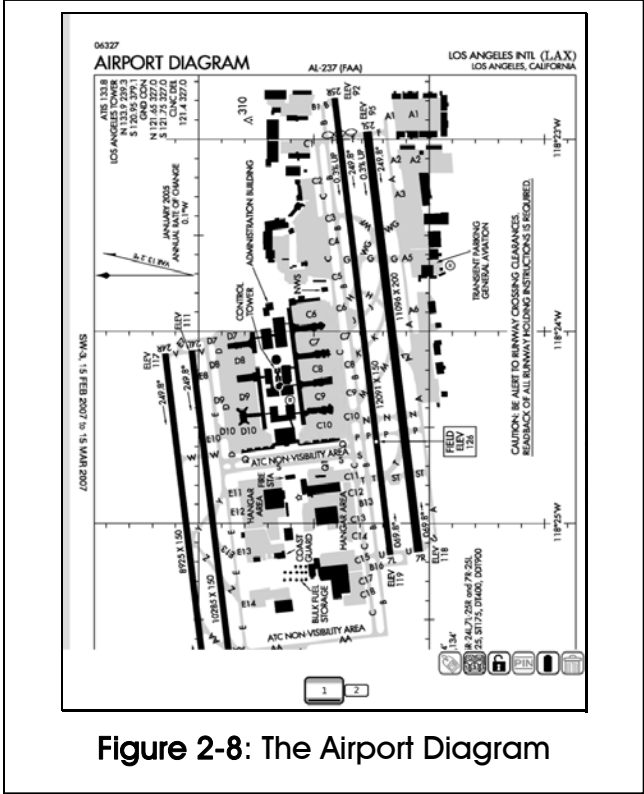


Figure 2-8: The Airport Diagram

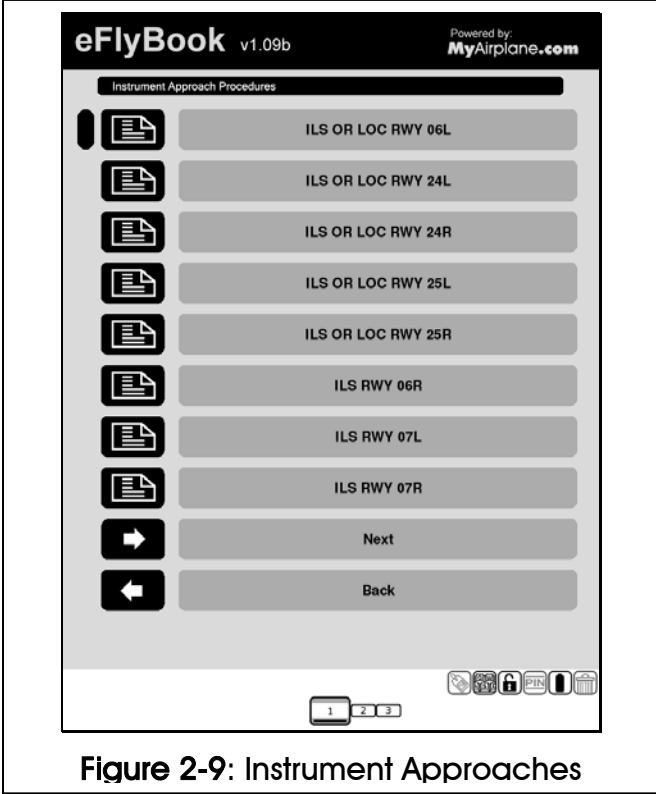
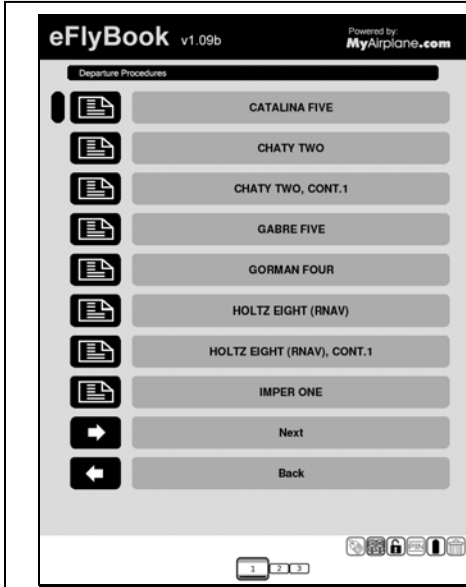
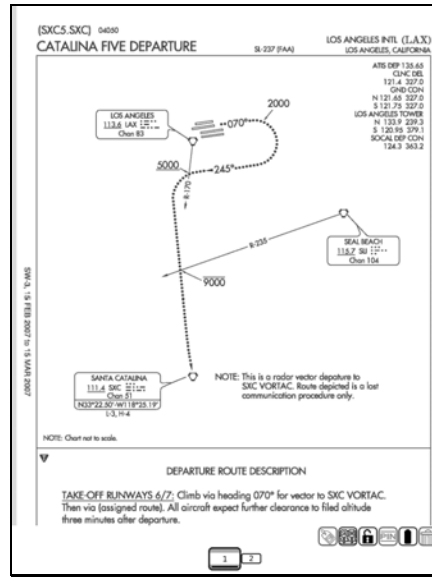


Figure 2-9: Instrument Approaches

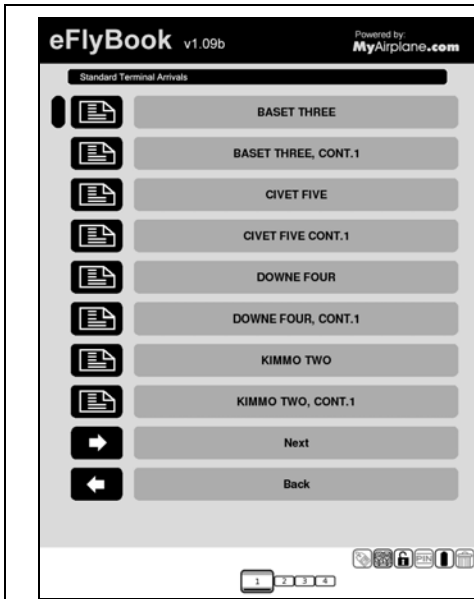


SID List

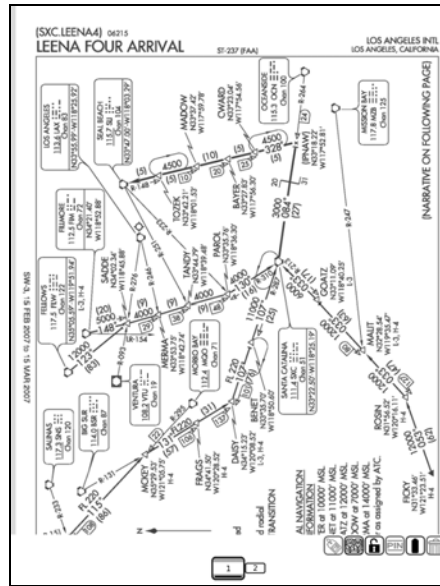


CATALINA FIVE Departure

Figure 2-10: SID Charts

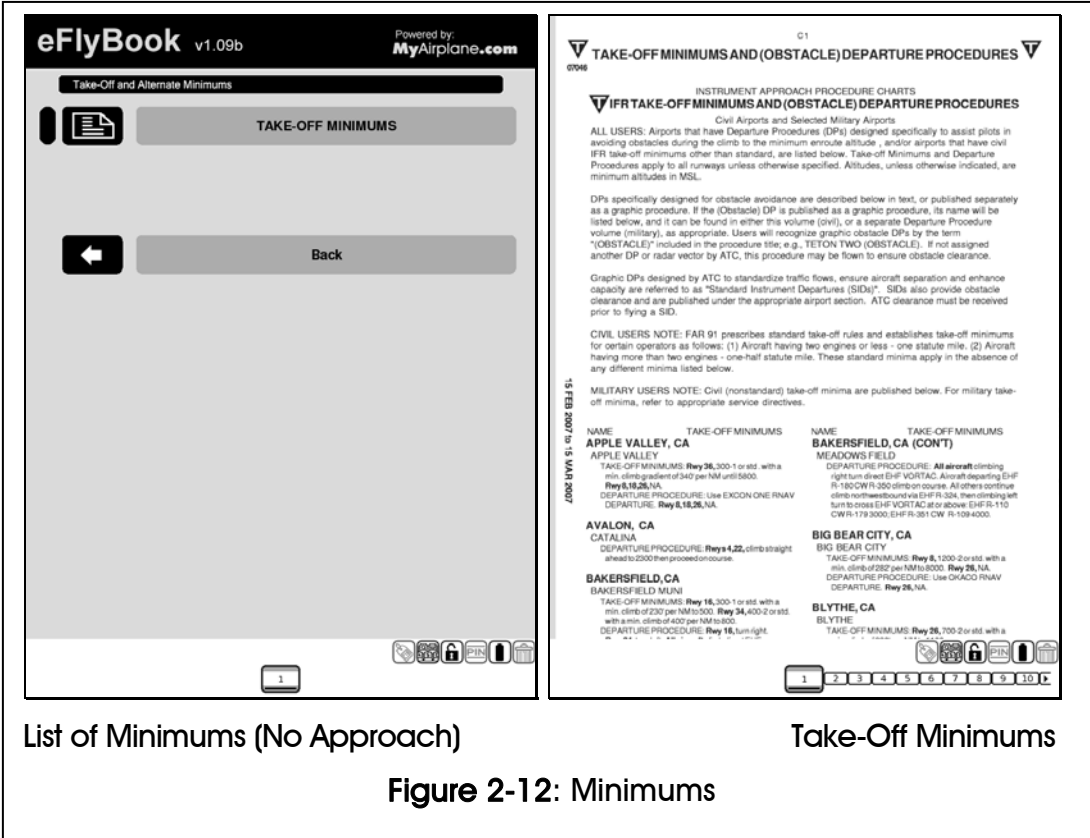


STAR List



LEENA FOUR Arrival

Figure 2-11: STAR Charts



List of Minimums (No Approach)

Take-Off Minimums

Figure 2-12: Minimums

IFR Enroute Charts

When you tap the IFR High/Low Altitude Enroute Charts selection from the main eFlyBook menu you will be presented with a page to choose high or low altitude enroute charts, as shown in Figure 2-13.

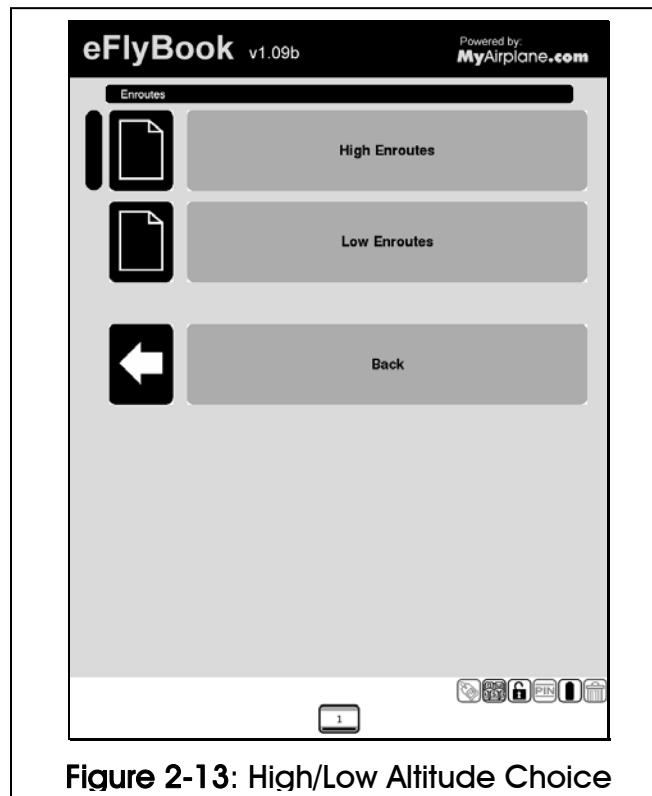


Figure 2-13: High/Low Altitude Choice

Tap on the selection that matches your choice and you will be presented with a list of the appropriate enroute charts. The list of high altitude enroute charts is shown in Figure 2-14.

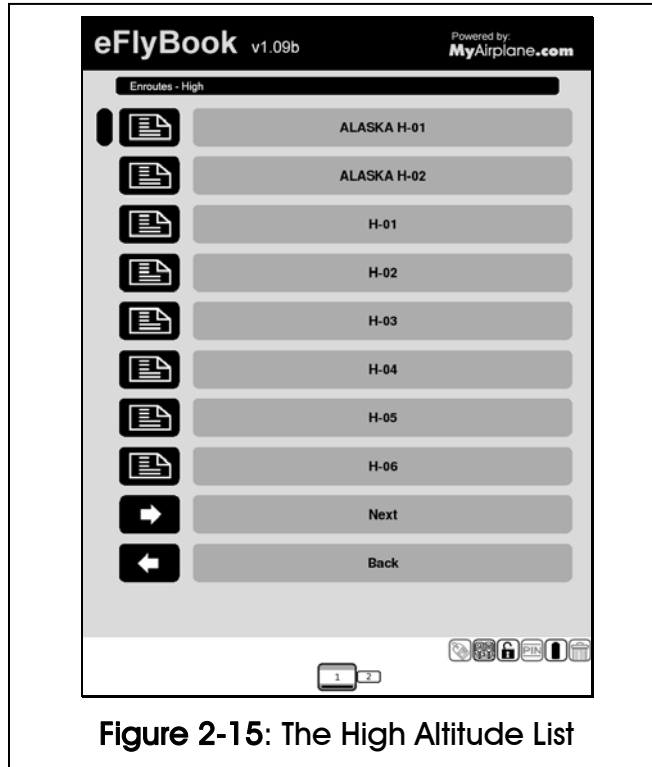


Figure 2-15: The High Altitude List

If the enroute charts take more than a single page to list, use the Next and Back buttons to navigate between pages. To view a chart, click on that chart to view it. Figure 2-16 shows one such chart.

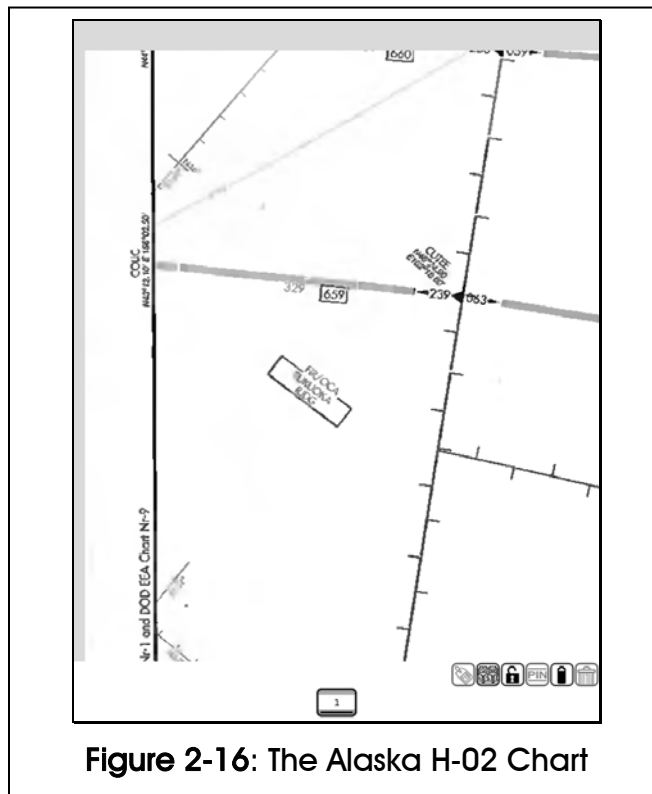


Figure 2-16: The Alaska H-02 Chart

Currently the enroute charts do not support zoom functionality. This functionality will be added in the near future. At that time the documentation will be updated to reflect this.

FAR / AIM Documents

eFlyBook comes with a complete FAR/AIM. This includes all of the pertinent federal aviation regulations (including parts 1, 43, 61, 67, 71, 73, 91, 97, 103, 105, 119, 135, 137, 141, and 142) as well as the entire Aeronautical Information Manual. To view the FAR/AIM, click the FAR/AIM button from the main eFlyBook menu. This will take you to the selection page, shown in Figure 2-17.

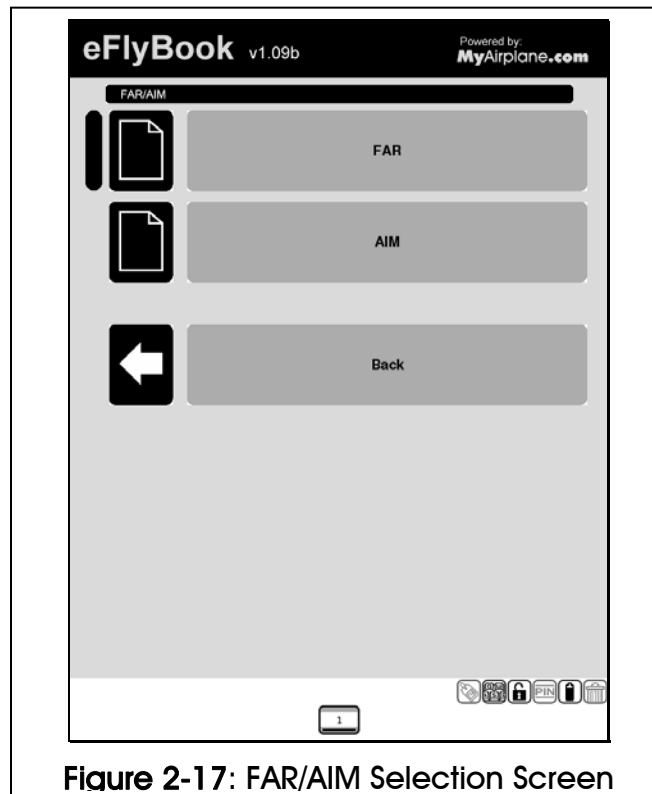


Figure 2-17: FAR/AIM Selection Screen

Tap on the FAR button and you will be presented with the pertinent federal aviation regulations. This is shown in Figure 2-18.

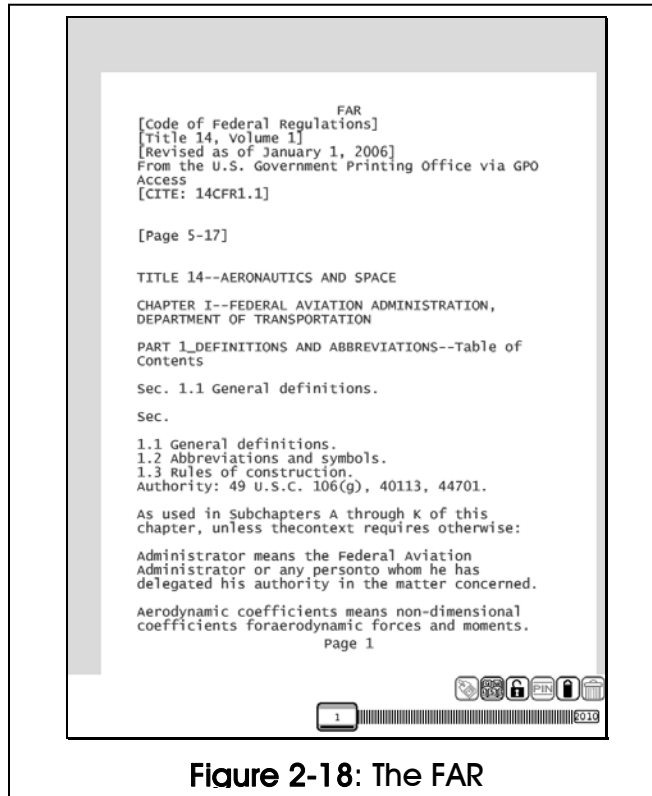


Figure 2-18: The FAR

Click on the AIM to be presented with the aeronautical information manual. This is shown in Figure 2-19.

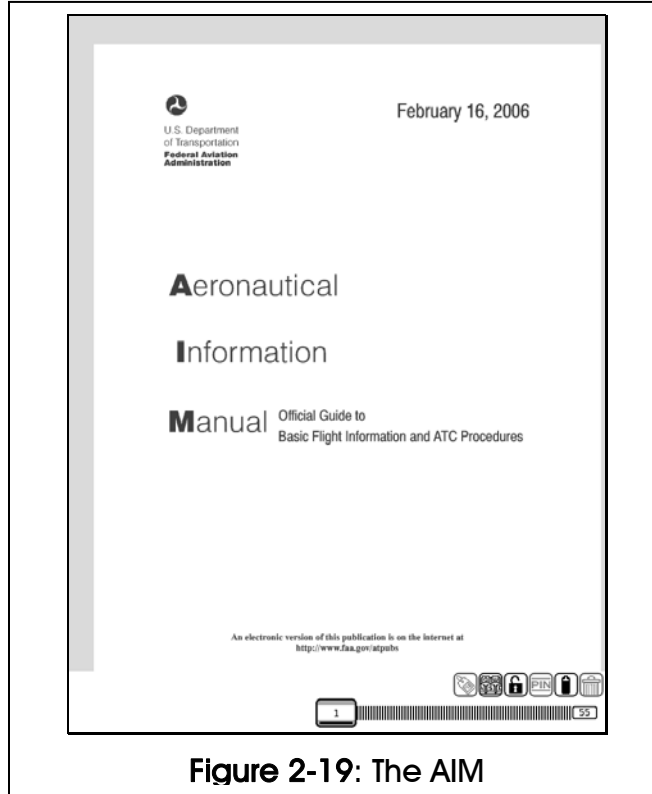


Figure 2-19: The AIM

In either case you may navigate around the document by tapping on the screen, holding down the stylus (or your finger) and dragging the document around. Let up on the stylus and eFlyBook will update the display.