

Avidyne MFD Data Update Tutorial



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Avidyne MFD Data Update Tutorial

The purpose of this Avidyne MFD Data Update Tutorial is to provide Avidyne's customer a more in-depth and easy to follow set of procedures to update their NavData and CMax Chart databases on their Avidyne MFD.

This MFD Data Update Tutorial also includes procedures on Registering their Avidyne product on www.MyAvidyne.com, navigating Jeppesen's website for Avidyne MFD Database products and services, and downloading Emax Total Engine Management Data from their EX5000 MFD.

Avidyne Products

EX5000 MFD

10.7" multifunction display

Terrain and Water-based
Map

Interfaces with:

Traffic

Lightning

Datalink

EGPWS (Optional)

TCAS 1 (Optional)

CMAX (Optional)

EMAX (Optional)

Checklists test



Avidyne Products

EX500 MFD

5.4" Multifunction Display

Terrain and Water-based
Map

Interfaces with:

Traffic

Lightning

On board radars

Datalink

EGPWS (Optional)

TCAS 1 (Optional)

CMAX (Optional)



EX5000/EX500 MFD

Nav Database for the MFD Map Page

- **Large Moving Map**
- **Intuitive Design**
 - Easy to use display
- **One-button access to frequently-used displays**
 - Map
 - TAWS
 - Chart
 - Trip
 - Nrst
 - AUX
 - Engine
 - Radar
- **Results**
 - Easy to learn
 - Improved situational awareness
 - Avoid information overload



EX5000/EX500 MFD

CMax Chart Data

- Electronic Approach Charts and Airport Diagrams
- Overlay of Flight Plan & Position
- Easily select any Jepp chart
- Exclusive one-touch “Auto-Fill” button provides quick access to destination airport charts
- JeppView® subscription service thru Jeppesen
- ✓ CMax improves Situational Awareness during demanding approach and landing phases
- ✓ Reduces need for “progressives” at unfamiliar airports.
 - Improves taxiway awareness
 - Shows incursion ‘hotspots’



EX5000 MFD

EMax™ Total Engine Management Data

- **EMax™ - Piston Aircraft**
 - **Lean Assist**
 - Confidence in proper leaning
 - Significant operational benefits
 - **Fuel Totalizer**
 - Fuel remaining displayed for each waypoint
 - Red and Yellow annunciations for low fuel conditions
 - **Percent Power Display**
 - **Multiple-Cylinder CHT/EGT Display**
 - **Engine Data Logger**
 - stores last 100 hrs of engine data



www.Myavidyne.com

Registering your Avidyne Product

1. Go to www.MyAvidyne.com
2. Click **Enroll Now** button to Register Your Warranty and Open Your Account

Note: Before Registering your Avidyne unit on Avidyne's website www.MyAvidyne.com please have your Avidyne units serial numbers easily available.

AVIDYNE
The Integrated Flight Deck Company

FlightCenter Flight Associate

Login Here

New Account Signup
Register Your Warranty and Open Your Account

Enroll Now

MyAvidyne.com is your direct line to Avidyne and to the many services available for your aircraft including:

- Multilink Service
- FLEX Extended Warranty Service
- Text Messaging
- Flight Tracking
- CMAX Management

For more information on these services and products offered by Avidyne, please visit:

www.Avidyne.com

Return Account Users

User ID:

Password: (case sensitive)

Login

☐ Remember my User Name and Password.

User ID & Password Help

Registering your Avidyne Product

1. **Create a Username and Password, something that is easily remembered.**
2. **The Username must be at least 4 characters long and cannot contain any spaces.**
3. **The Password is case sensitive and must be at least 6 characters long and cannot contain any spaces.**
4. **The Username and Password cannot contain any special characters (@, \$, etc).**

The **UserName** provides a means of uniquely identifying you to MyAvidyne.

All of your personal information, Avidyne installed equipment, aircraft information, billing data and flight history is linked to the **UserName** you initially setup. Therefore it is important that you write down your **UserName** and **Password** and store it in a safe place that is easily accessible.

Helpful Hints:

- The **Password** is case sensitive, which means that JohnSmith is different than johnsmith, johnSMITH or Johnsmith.
- The **UserName** must be at least 4 characters long and cannot contain spaces. Special characters (@, \$, etc.) should not be used either.
- The **Password** must be at least 6 characters long and cannot contain spaces. Special characters (@, \$, etc.) should not be used either.
- If you try to create a **UserName** that someone else has already used, then you will receive an error: **Password does not match Username** and will need to choose another **UserName**. For example, assume that *Smith* is already taken, then try *Smith1*.
- Although your aircraft's tail number ('N' number) may seem like a good choice for a **UserName**, you may have second thoughts, if you sell your aircraft in the future.

The purpose of the **Password Question and Answer** is to provide an alternative means of validating your credentials in the event you should forget your password. If this should happen, the system will display your **Password Question** and provide you with an opportunity to input the **Password Question Answer**.

The answer you supply will be compared against the answer you had provided previously on the Logon Info form. If there is an exact match, your credentials will be flagged as validated.

Helpful Hints:

- The answer to the question you ask should be obvious to you and not very obvious to others. For example, **"What color is the sky?"** may not be an appropriate question to use.
- **"What is your mother's maiden name?"** is a common password question that provides a reasonable level of protection in most cases.

Registering your Avidyne Product

1. Create a Password Question where you will be able to recall the answer to.

Example: “What is your Mother’s maiden Name?”

Monday, October 24, 2005

AVIDYNE Welcome The Integrated Flight Deck Company

Create New User

What You Will Need Before You Begin:

- Unit Serial Number of each unit (PFD and/or MFD) installed in your aircraft.
- Valid Email Account.
- Aircraft Make, Model and Tail Number.
- A valid Visa/Mastercard/Discover credit card number and expiration date, if signing up for Avidyne services.
- NOTE: For security reasons, this page and ALL OTHER PAGES will "timeout" after 15 minutes of inactivity.

» Create new user login. For more information, see notes below.

USERNAME (4-20 characters - no spaces)

PASSWORD (6-20 case sensitive characters - no spaces)

CONFIRM PASSWORD (must exactly match above)

PASSWORD QUESTION [What's this?](#)

PASSWORD QUESTION ANSWER (Case sensitive)

The **UserName** provides a means of uniquely identifying you to MyAvidyne.

All of your personal information, Avidyne installed equipment, aircraft information, billing data and flight history is linked to the **UserName** you initially setup. Therefore it is important that you write down your UserName and Password and store it in a safe place that is easily accessible.

Helpful Hints:

- The **Password** is case sensitive, which means that JohnSmith is different than johnsmith, johnSmith or Johnsmith.
- The **UserName** must be at least 4 characters long and cannot contain spaces. Special characters (@, \$, etc.) should not be used either.

Registering your Avidyne Product

1. Write down your Username and Password and store it in a safe place.

Monday, October 24, 2005

AVIDYNE

Welcome

The Integrated Flight Deck Company

Create New User

What You Will Need Before You Begin:

- Unit Serial Number of each unit (PFD and/or MFD) installed in your aircraft.
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- Aircraft Make, Model and Tail Number.
- A valid Visa/Mastercard/Discover credit card number and expiration date, if signing up for Avidyne services.
- **NOTE: For security reasons, this page and ALL OTHER PAGES will "timeout" after 15 minutes of inactivity.**

>> Create new user login. For more information, see notes below.

USERNAME (4-20 characters - no spaces)

PASSWORD (6-20 case sensitive characters - no spaces)

CONFIRM PASSWORD (must exactly match above)

PASSWORD QUESTION [What's This?](#)

PASSWORD QUESTION ANSWER (Case sensitive)

Registering your Avidyne Product

1. Complete the remaining fields with your Contact Information.
2. The Contact fields marked as * are required fields.
3. Then click Continue Enrollment button.

The screenshot shows a web browser window with the address bar displaying 'http://10.0.4.138/NOC_test/Enroll/EnterUserContact.asp'. The browser's address bar also shows 'Go' and 'Search' buttons. The browser's toolbar includes 'Back', 'Forward', 'Home', and 'Search' buttons. The browser's status bar shows 'Done' and 'Internet'. The website's header features the Avidyne logo, the text 'Welcome', and 'The Integrated Flight Deck Company'. The date 'Tuesday, April 12, 2005' is displayed. The main content area is titled 'Enter Contact Information' and contains a form with the following fields: 'FIRST NAME' (Joe), 'LAST NAME' (Biggs), 'COMPANY NAME', 'ADDRESS LINE 1' (123 High St), 'ADDRESS LINE 2', 'CITY' (Phoenix), 'STATE' (Arizona), 'ZIP CODE' (85003), 'COUNTRY' (United States), 'PHONE NUMBER' (800-555-1234), and 'EMAIL ADDRESS' (sigJoe@hotmail.com). Each field has a red asterisk (*) next to it, indicating it is a required field. A 'Continue Enrollment' button is located at the bottom of the form.

File Edit View Favorites Tools Help Address http://10.0.4.138/NOC_test/Enroll/EnterUserContact.asp Go

Back Forward Home Search Links Google NOC DB Docs VOC Links NocDoc Wiki AviWxWorld

Tuesday, April 12, 2005

AVIDYNE Welcome The Integrated Flight Deck Company

Enter Contact Information

>> Enter Your Contact Information. * marks required fields

FIRST NAME Joe *

LAST NAME Biggs *

COMPANY NAME

ADDRESS LINE 1 123 High St *

ADDRESS LINE 2

CITY Phoenix *

STATE Arizona *

ZIP CODE 85003 *

COUNTRY United States *

PHONE NUMBER 800-555-1234 *

EMAIL ADDRESS sigJoe@hotmail.com *

Continue Enrollment

Done Internet

Registering your Avidyne Product

1. Complete the remaining fields with your Aircraft Make, Aircraft Model, Aircraft Tail Number, and Company Name.
2. The Aircraft Information fields marked as * are required fields.
3. Then click Continue Enrollment button.

The screenshot shows a web browser window with the address bar displaying 'http://10.0.4.138/NOC_test/Enroll/AddAircraft.asp'. The browser's address bar also shows a search bar and several bookmarks: 'Links', 'Google', 'NOC DB Docs', 'NOC Links', 'NocDoc Wiki', and 'AviWxWorld'. The page header includes the Avidyne logo, the text 'Welcome', and 'The Integrated Flight Deck Company'. The date 'Tuesday, April 12, 2005' is displayed in the top right corner. The main heading is 'Add New Aircraft'. Below this, a message says '>> Please Enter Your Aircraft Information * marks required fields'. The form contains four input fields: 'AIRCRAFT MAKE' with the value 'Cirrus', 'AIRCRAFT MODEL' with the value 'SR22', 'AIRCRAFT TAIL NUMBER' with the value 'N425RV', and 'COMPANY NAME' which is empty. Each of the first three fields has a red asterisk to its right, indicating they are required. A 'CONTINUE ENROLLMENT' button is located at the bottom of the form. The browser's status bar at the bottom shows 'Done' and 'Internet'.

File Edit View Favorites Tools Help Address http://10.0.4.138/NOC_test/Enroll/AddAircraft.asp Go

Back Forward Stop Home Search Links Google NOC DB Docs NOC Links NocDoc Wiki AviWxWorld

AVIDYNE Welcome Tuesday, April 12, 2005 The Integrated Flight Deck Company

Add New Aircraft

>> Please Enter Your Aircraft Information * marks required fields

AIRCRAFT MAKE Cirrus *

AIRCRAFT MODEL SR22 *

AIRCRAFT TAIL NUMBER N425RV *

COMPANY NAME

CONTINUE ENROLLMENT

Done Internet

Registering your Avidyne Product

1. **Select all applicable Avidyne equipment installed in your aircraft.**
2. **If you are unsure which Avidyne equipment is installed in your aircraft select the link labeled "What Is This".**
3. **Then click the Continue button.**

File Edit View Favorites Tools Help Address http://10.0.4.138/NOC_test/Enroll/SelectUnitTypes.asp

Back Search Links Google NOC DB Docs NOC Links NocDoc Wiki AviWxWorld

Tuesday, April 12, 2005

AVIDYNE Welcome The Integrated Flight Deck Company

Select Unit Types

>> Please select all applicable Avidyne equipment installed in your aircraft.

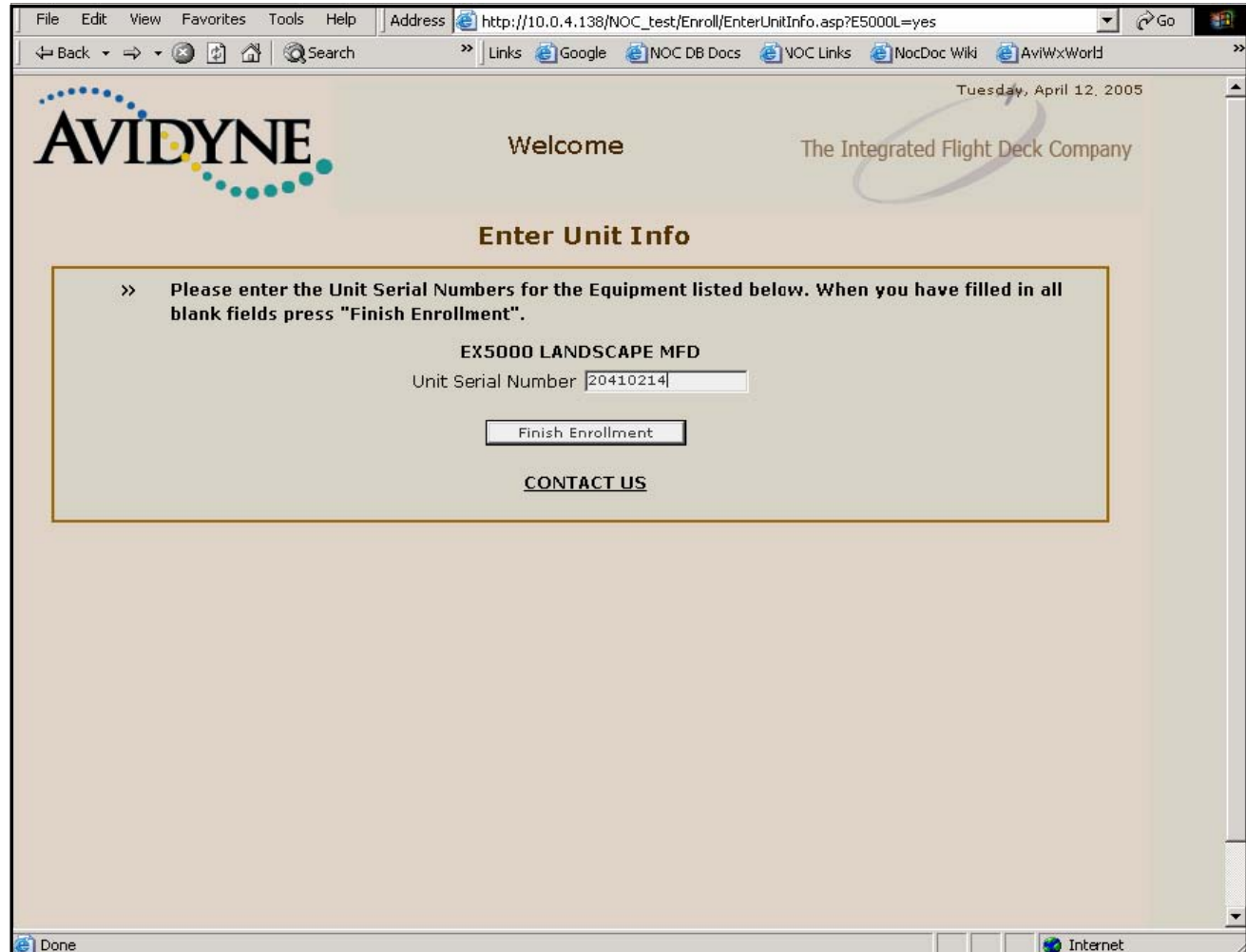
<input type="checkbox"/>	EX500 MFD	What Is This
<input checked="" type="checkbox"/>	EX5000 LANDSCAPE MFD	What Is This
<input type="checkbox"/>	EXP5000 PFD	What Is This

[Continue](#)

[CONTACT US](#)

Registering your Avidyne Product

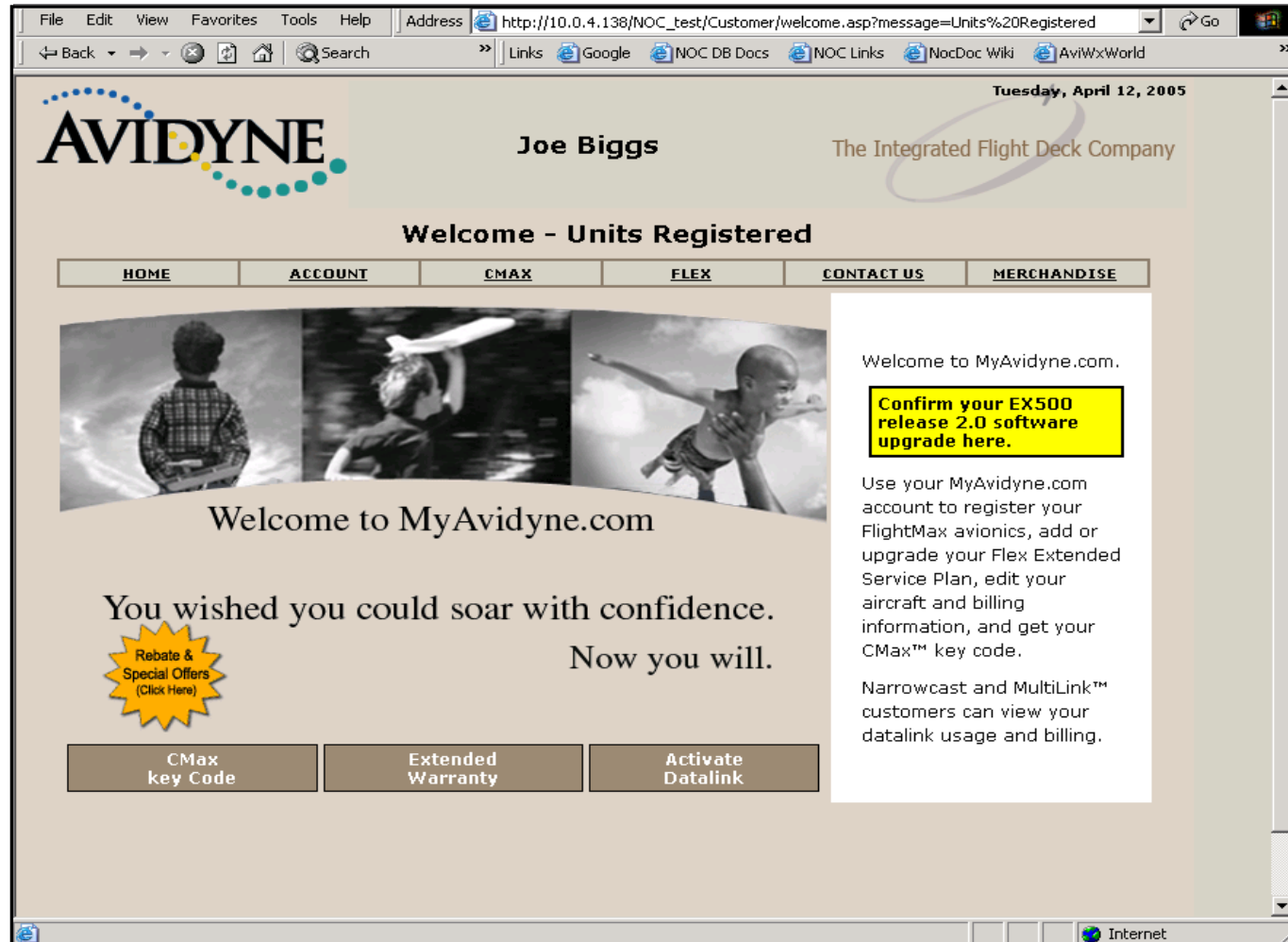
1. Enter your Avidyne unit's serial number.
2. When completed click the Finish Enrollment button



The screenshot shows a web browser window with the Avidyne website. The address bar displays the URL: http://10.0.4.138/NOC_test/Enroll/EnterUnitInfo.asp?E5000L=yes. The page features the Avidyne logo, a 'Welcome' message, and the tagline 'The Integrated Flight Deck Company'. The date 'Tuesday, April 12, 2005' is shown in the top right. The main heading is 'Enter Unit Info'. Below this, a message states: '>> Please enter the Unit Serial Numbers for the Equipment listed below. When you have filled in all blank fields press "Finish Enrollment".' The equipment listed is 'EX5000 LANDSCAPE MFD'. The 'Unit Serial Number' field contains the value '20410214'. A 'Finish Enrollment' button is located below the field. At the bottom of the form area, there is a link labeled 'CONTACT US'. The browser's status bar at the bottom shows 'Done' and 'Internet'.

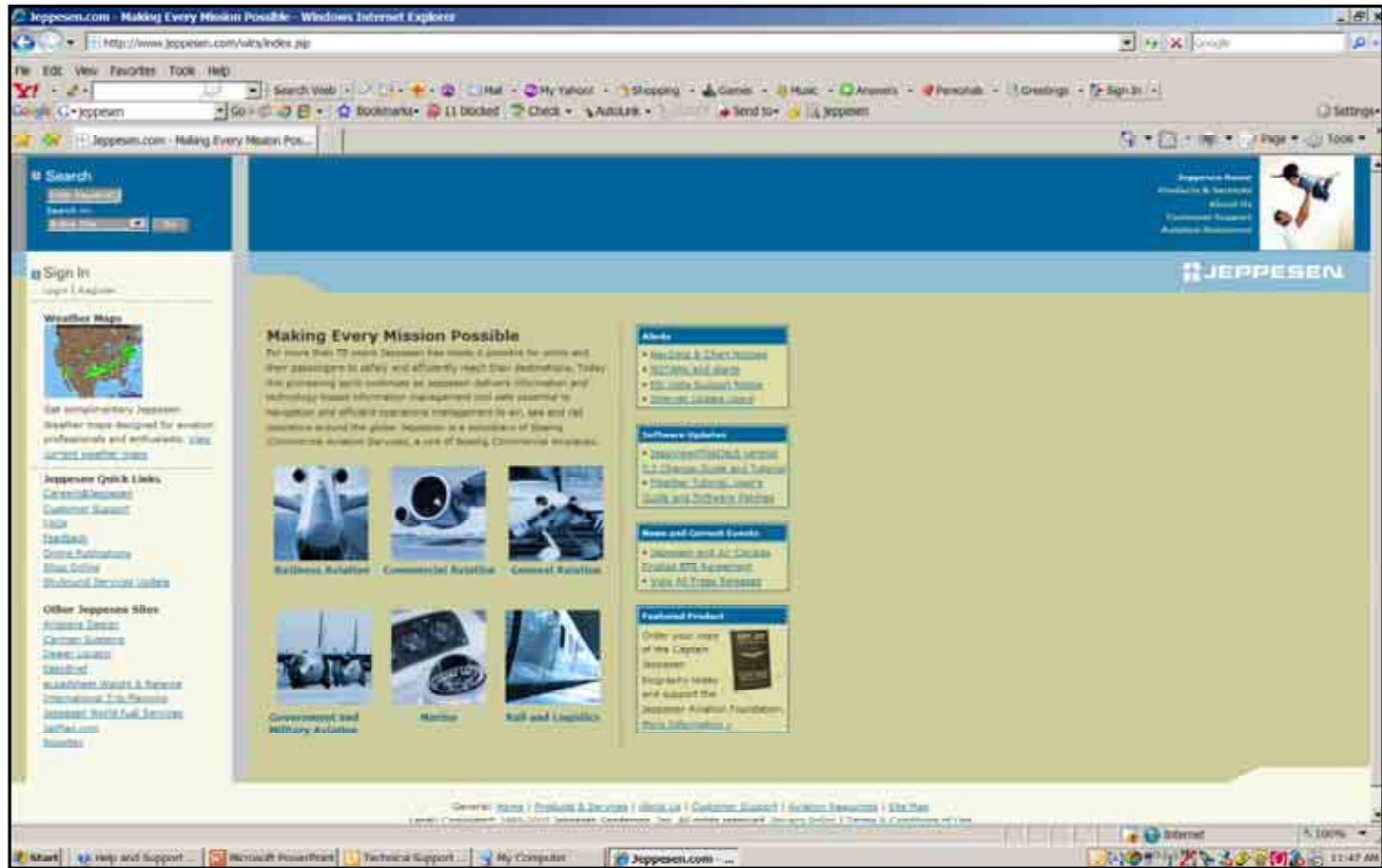
Registering your Avidyne Product

1. When you've completed the Registration process the "Welcome to MyAvidyne.com" page will display with your name on the top on the page.
2. Now you can use your MyAvidyne.com account to:
 - Register additional Avidyne products.
 - To add or upgrade your Flex Extended Service Plan
 - To create your CMax key code
 - To activate your Narrowcast and Multi-Link Service Plans.
 - To edit your aircraft and billing information.



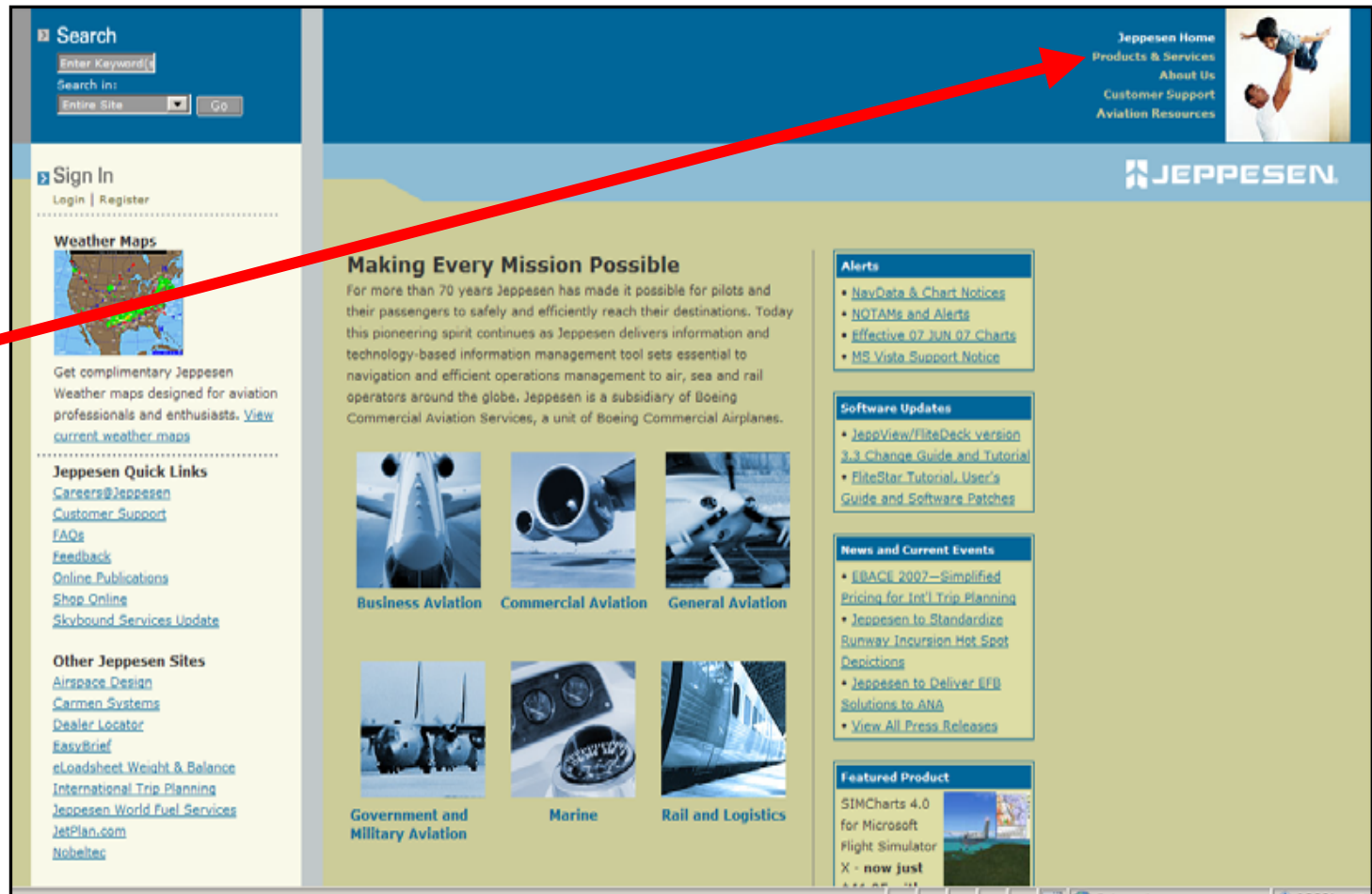
Jeppesen Subscription Overview

1. For all of your Avidyne Database subscriptions like the NavData database subscription for the MFD Map and the CMax Chart Data for the CMax Electronic Charts visit Jeppesen website www.jeppesen.com.



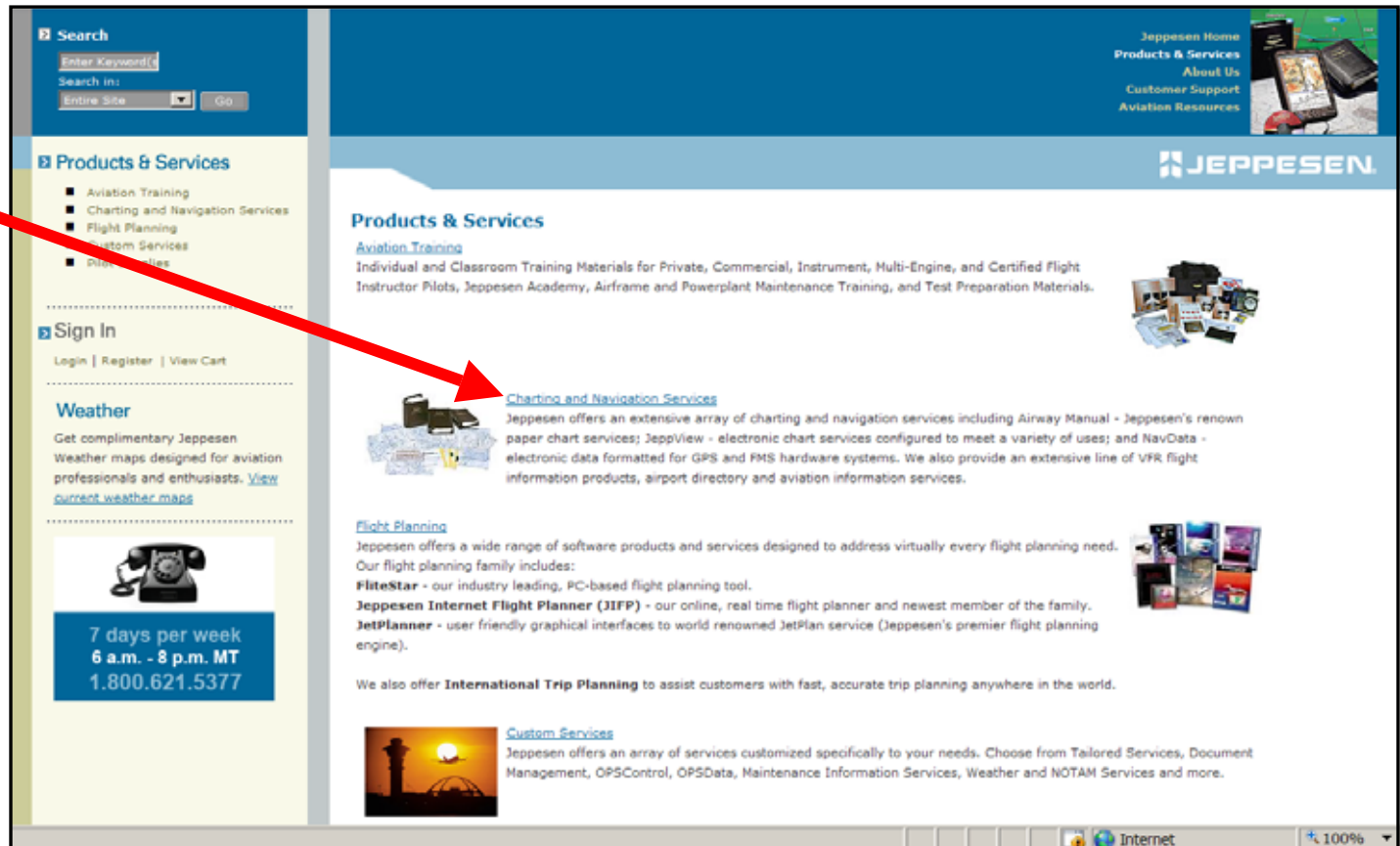
Jeppesen Subscription Overview

1. For all of your Avidyne Database Products and Services subscriptions **click on the Products & Services link.**



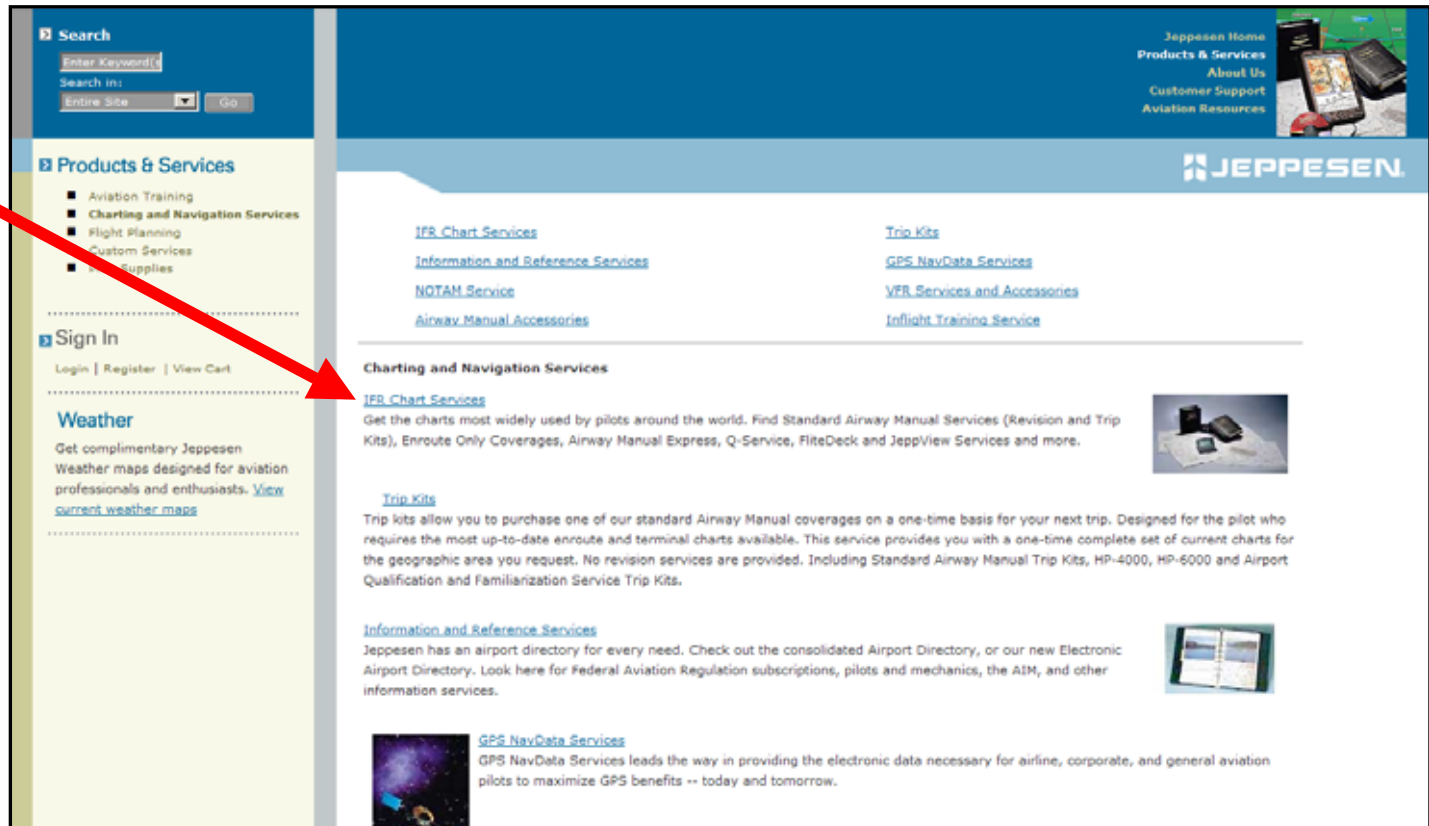
Jeppesen Subscription Overview

1. Next select the **Charting and Navigation Services** link.



Jeppesen Subscription Overview

1. Then select the IFR Chart Services link.



The screenshot displays the Jeppesen website interface. On the left, a vertical navigation menu under 'Products & Services' lists several options: Aviation Training, Charting and Navigation Services, Flight Planning, Custom Services, and Pilot Supplies. A red circle highlights the 'Charting and Navigation Services' link, with a red arrow pointing to the 'IFR Chart Services' link in the main content area. The main content area features a grid of service links: IFR Chart Services, Information and Reference Services, NOTAM Service, Airway Manual Accessories, Trip Kits, GPS NavData Services, VFR Services and Accessories, and Inflight Training Service. Below these links, there are three sections: 'Charting and Navigation Services' with a description of IFR Chart Services and a small image of a chart; 'Trip Kits' with a description of trip kit services and a small image of a kit; and 'Information and Reference Services' with a description of directory services and a small image of a directory book. The bottom section, 'GPS NavData Services', includes a description of electronic data services and a small image of a GPS device.

Jeppesen Subscription Overview

1. Then select the Electronic Charting Services- JeppView link.

The screenshot displays the Jeppesen website interface. On the left sidebar, under 'Products & Services', the 'Electronic Charting Services - JeppView' link is circled in red. A red arrow points from this link to the main content area. The main content area features a section titled 'Electronic Charting Services - JeppView' with a description of the service and a map of the United States. The Jeppesen logo is visible in the top right corner, and the JeppView logo is in the bottom right corner.

Search
Enter Keyword:
Search In:
Entire Site Go

Products & Services

- Aviation Training
- **Charting and Navigation Services**
- Flight Planning
- Custom Services
- Pilot Supplies

Sign In
Login | Register | View Cart

Weather
Get complimentary Jeppesen Weather maps designed for aviation professionals and enthusiasts. [View current weather maps](#)

IFR Chart Services

[Standard Airway Manual Services](#)
[Electronic Charting Services - JeppView](#)
[Plotting Charts](#)
[Chart of Aerodromes](#)

[Airway Manual Express](#)
[Q Service](#)
[Wall Charts](#)
[Airport Qualification and Familiarization](#)

IFR Chart Services

[Standard Airway Manual Services](#)
Designed for the pilot who requires the most up-to-date enroute and terminal charts available on a subscription basis. Also includes Military Terminal, Enroute Guides, Reference Guides, and High Altitude Charts.

[Airway Manual Express](#)
Designed specifically for IFR students, CFIs, and pilots who fly in small geographic areas, or fly outside their primary area of operation. Airway Manual Express is conveniently segmented into easy-to-use geographic regions. You purchase only the coverage(s) you need. Binders sold separately.

[Electronic Charting Services - JeppView](#)
On the Ground. JeppView is a ground-based chart viewing and printing application that gives you the power to update, sort and print your IFR charts in customized formats to meet your specific needs. Utilizing Jeppesen's exclusive RoutePack format, you can create trip kits and export them to other Jeppesen applications. You can also choose from an assortment of configurations for OEM hardware - Apollo MX20/i-linc and Universal Cockpit Display. **In the Air.** JeppView FliteDeck's interface utilizes human factors principles to make charts easy to use. JeppView FliteDeck gives you rapid access to terminal and enroute charts while in flight. Vector-based, geo-referenced JeppView charts and a GPS provide moving map functionality to enhance situational awareness.

JEPPESSEN

JEPPVIEW
ELECTRONIC CHARTING SERVICES

Jeppesen Subscription Overview

1. Then choose the correct JeppView for your Avidyne MFD which here would be **JeppView for Multi-function Displays (MFDs)**.

and following any other printer manufacturer requirements and recommendations for complex graphics.

Watch our video on [Printing from JeppView](#) > Purchase [JeppView Printing Paper](#).

[Back to top](#)

JeppView for Cockpit Hardware

AVAILABLE NOW!

[JeppView for Multi-function Displays \(MFDs\)](#) - Designed to integrate Jeppesen charts with the latest MFDs to greatly reduce the amount of paper carried on board the aircraft. Also provides PC utility that allows for planning and printing/viewing of all charts in your coverage area.

We also offer the standard JeppView configurations for OEM hardware - Apollo MX20/i-linc and Universal Cockpit Display. (Please note: the upgrade version of JeppView for OEM hardware will be available at a later time to be determined).

[JeppView for the ProLine 21](#)
Designed for use with the Rockwell Collins ProLine 21 hardware. Also provides PC utility for planning, printing and viewing.

[JeppView for the Gulfstream CT-1000 \(Single Configuration\)](#)
[\(Dual Configuration\)](#)
Designed to integrate with CT-1000 hardware. Also provides PC utility that allows for planning, printing, and viewing. Available for coverages worldwide.

[JeppView for the Universal Cockpit Display \(UCD\)](#)
Designed to integrate with UCD hardware. Also provides PC utility that allows for planning, printing, and viewing.

JeppView Hardware Display Devices

If you're looking for more information on some of the hardware systems that are available for use with Jeppesen's JeppView software, [click here](#).

General: [Home](#) | [Products & Services](#) | [About Us](#) | [Customer Support](#) | [Aviation Resources](#) | [Site Map](#)
Legal: Copyright© 1995-2007 Jeppesen Sanderson, Inc. All rights reserved. [Privacy Policy](#) | [Terms & Conditions of Use](#)
Contact Us: US Toll Free: 1-800-621-5377 | Direct: 303-799-9090 | Germany: +49 6102 5070 | [Discontinue Español](#) | [Contact Us](#)

Jeppesen Subscription Overview

Search

Search in:


Products & Services

- Aviation Training
- Charting and Navigation Services**
- Flight Planning
- Custom Services
- Pilot Supplies

Sign In
[Login](#) | [Register](#) | [View Cart](#)

Weather
Get complimentary Jeppesen Weather maps designed for aviation professionals and enthusiasts. [View current weather maps](#)


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[IFR Chart Services](#) > **Electronic Charting Services - JeppView**

Electronic Charting Services - JeppView

[Overview](#) | [Components & Requirements](#) | [Multi-User Awareness](#) | [Printing from JeppView](#) | [JeppView for Cockpit Hardware](#) | [FAQ](#) | [JeppView and JeppView FliteDeck Demo](#)



Listen up! [Jeppesen Podcasts](#) can answer a lot of your questions about flying electronically. For more information about going paperless, visit [FlyElectronic.net](#) and get a free switch kit! [JeppView for Multi-function Displays](#).

Overview


JeppView and JeppView FliteDeck Electronic Charting Services

JeppView services provide you with full color, high-quality vector-based electronic approach charts, as well as electronic enroute charts that can be customized in a variety to user-defined configurations to meet your intended use. JeppView contains all the same information as our Airway Manual and Europe VFR Bottlang Airfield Manual coverages providing you with electronic terminal approach charts, arrival and departure procedures, and airport diagrams.

Additionally, electronic enroute charts are provided that enable you to plan routes from departure to destination, enabling you to view and print those charts to use as a backup. Electronic XML text has also been added to eliminate the need to carry paper text with you. An improved text module with an XML-based text solution for general and business aviation pilots has recently been added. XML text pages make searching and accessing both IFR and VFR information much easier by:

- Allowing pilots to search keywords
- Ability to bookmark pages
- Quickly find text-based information by zooming and scrolling

Digital VFR charts for the European market



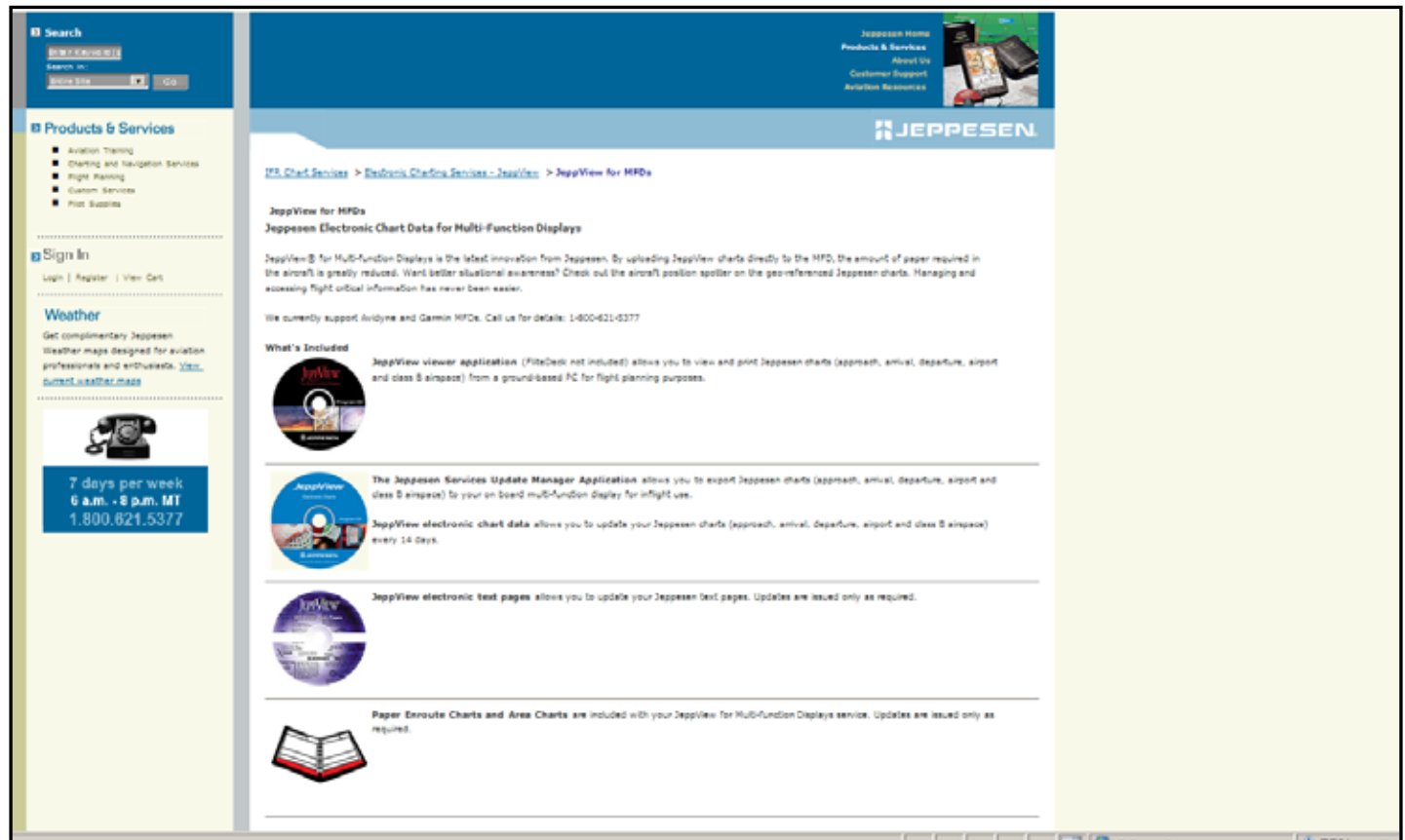
Property of Avidyne Corporation. Do not reproduce or distribute without permission.

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Jeppesen Subscription Overview



































1. The Jeppesen Electronic Chart Data for Multi-Function Display subscription includes the JeppView viewer application, Jeppesen Service Update Manager Application, JeppView electronic chart data and the JeppView electronic text pages.

2. Also, the Jeppesen NavData updates for your Avidyne MFD.



Jeppesen Subscription Overview

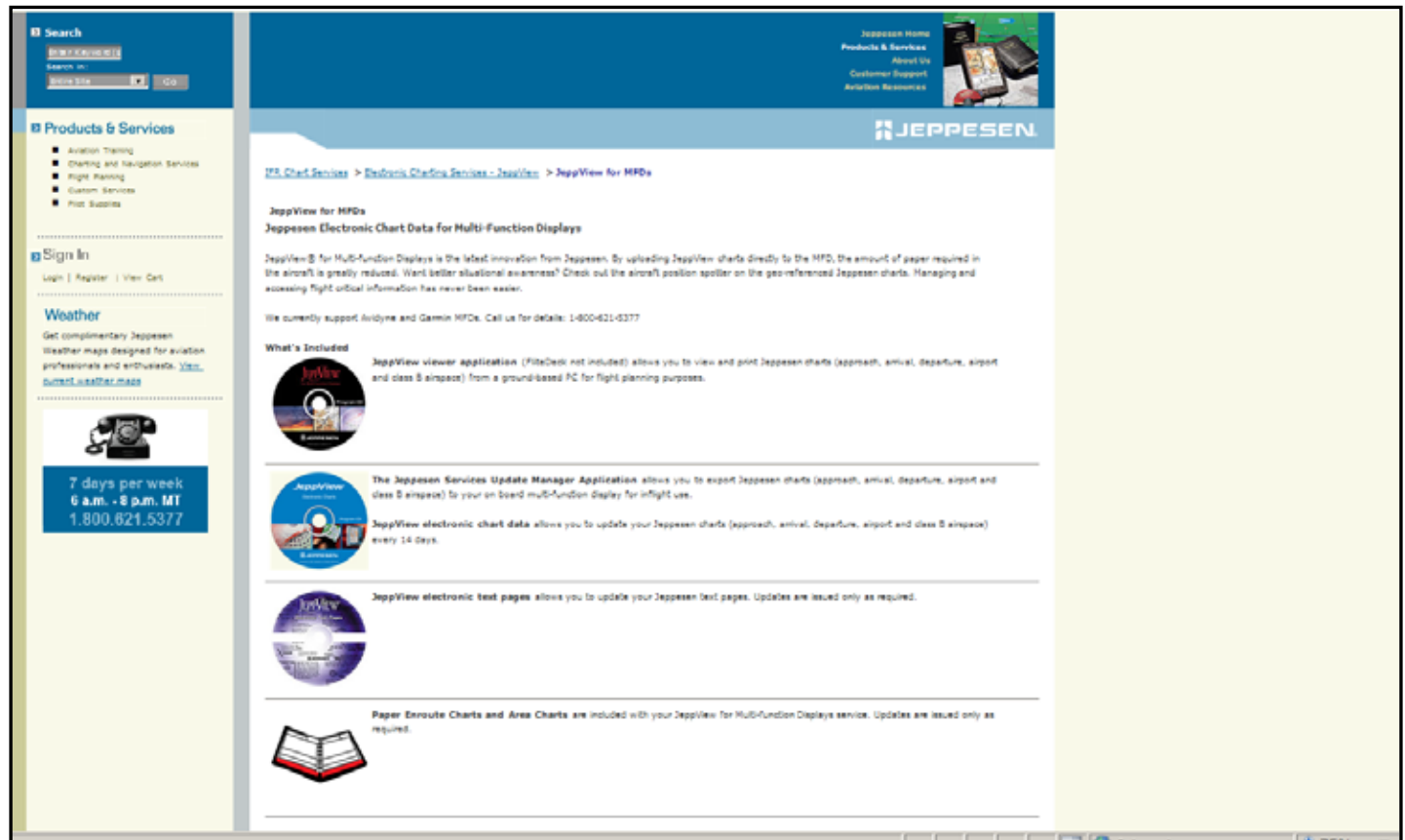
1. Now select your Coverage Options for both your Jeppesen Electronic Chart Data for Multi-Function Display and your NavData Updates for your Avidyne MFD.

Coverage Options*								
Coverage	Order Code		Coverage	Order Code		Coverage	Order Code	
 Full USA	MFUSA		 Central Europe	MFCEN		 Australia	MFASD	
 USA Military	MFUSM		 Eastern Europe	MFEAS		 Australasia	MFAUS	
 East	MFUSB		 Eastern Europe Special Manual	MFEAS		 Middle East	MFMEF	
 East and Central	MFUSC		 France	MFTRA		 South Asia	MFMSA	
 Central	MFUSD		 Germany	MFGER		 China	MFCHI	
 Central and West	MFUSE		 Italy	MFITA		 Europe	MFEUR	
 West	MFUSF		 Northern Europe	MFNOR		 Europe Military	MFEML	
 Canada	MFCAN		 Scandinavia	MFSCA		 Europe and Mediterranean	MFERM	
 Alaska			 South Africa	MFSAF		 Eastern Europe	MFEEU	
 Latin America	MFLAM		 Spain	MFSPA		 Africa	MFAPR	
 South America	MFSAM		 United Kingdom and Ireland	MFUKI		 Atlantic Special Manual Transatlantic	MFATL	
 Pacific Basin	MFPBN							

*For pricing and more information, please call Jeppesen (800.621.5377) or Jeppesen GmbH (+ 49 6102 508270).

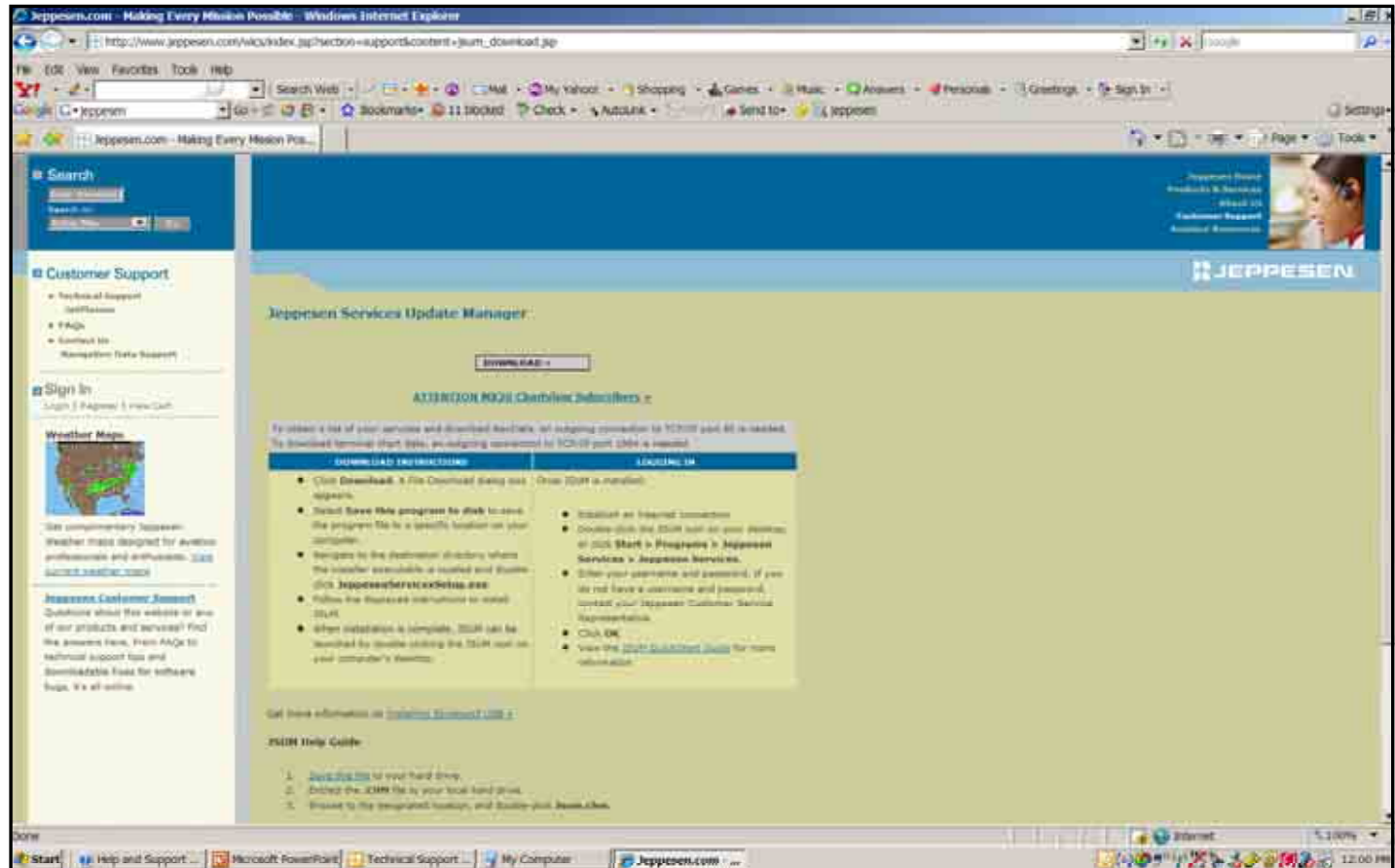
Jeppesen Subscription Overview

1. To place your order for the Jeppesen Electronic Chart Data for Multi-Function Display subscription and the Jeppesen NavData updates for your Avidyne MFD.
2. Contact Jeppesen
7 Days per week
6 AM-8 PM MT
Call 1-800-621-5377



Jeppesen Subscription Overview

1. Remember to always download the latest version of the Jeppesen Services Update Manager (JSUM) on to your PC.



Jeppesen Subscription Overview

1. **Verify that your PC or Notebook meets the Jeppesen minimum JeppView System Requirement.**

JeppView System Requirements

Microsoft Window 2000 SP3, XP SP2, or XP Tablet PC Edition

1 GHz or higher processor

800 X 600 resolution display or larger

512 MB RAM or better

2.75 GB available hard drive space or higher

64 MB video card or better

8x CD-ROM drive

Broadband Internet connection for online download of program updates

600 DPI printer, 6 pages per minute, color or better

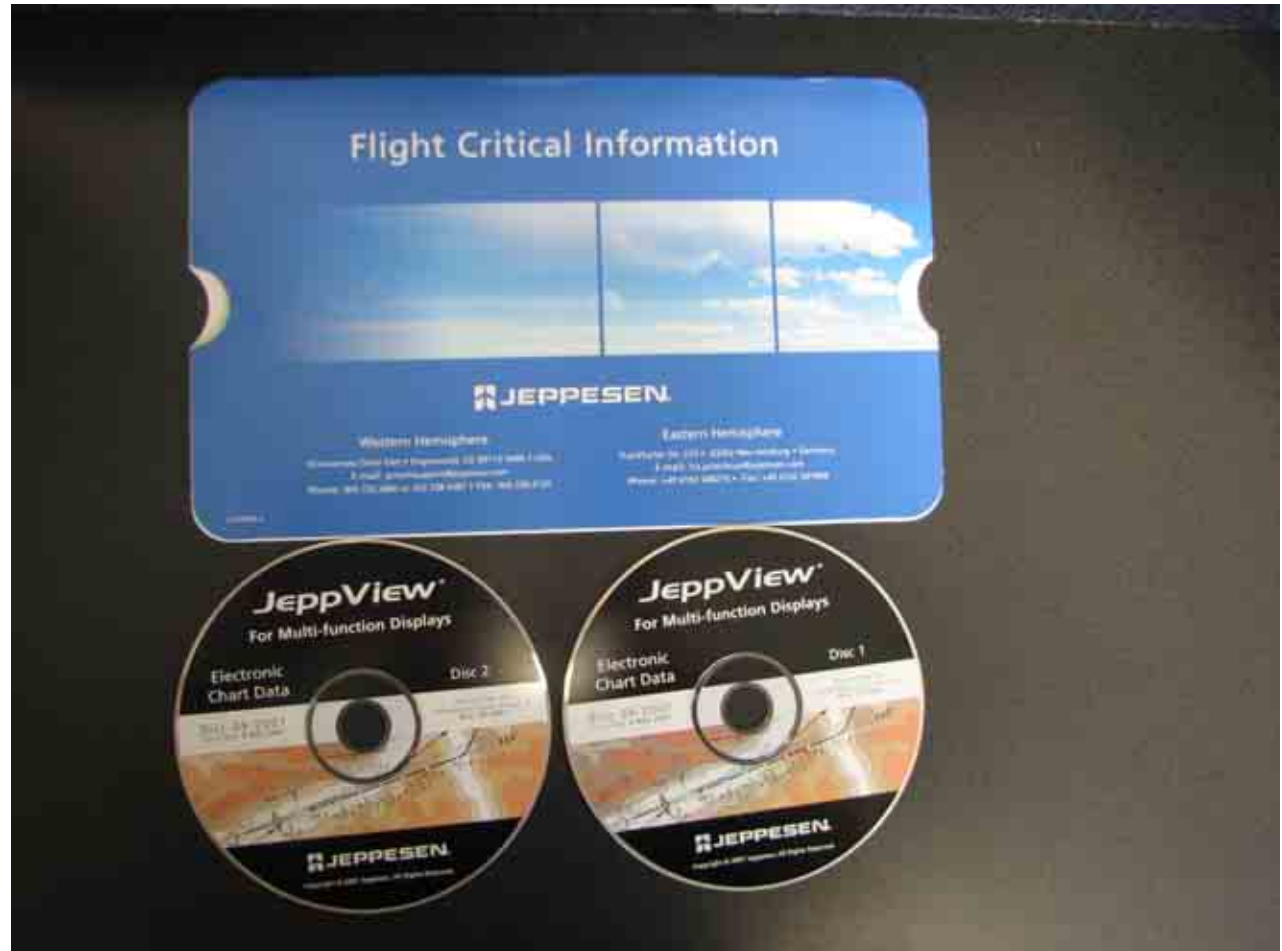
Jeppesen Subscription Overview

1. **Keep your Jeppesen Services Update Manager (JSUM) Username and Password written down in a safe and secure place, so that you'll have it available to log into (JSUM) to download your latest Jeppesen CMax Electronic Chart Data and Jeppesen NavData updates.**



Jeppesen Subscription Overview

1. For those receiving the Jeppesen CMax Electronic Chart Data and Jeppesen NavData updates in CD format, keep those in a safe and secure place too.



EX5000/EX500 MFD

NavData Update Procedures

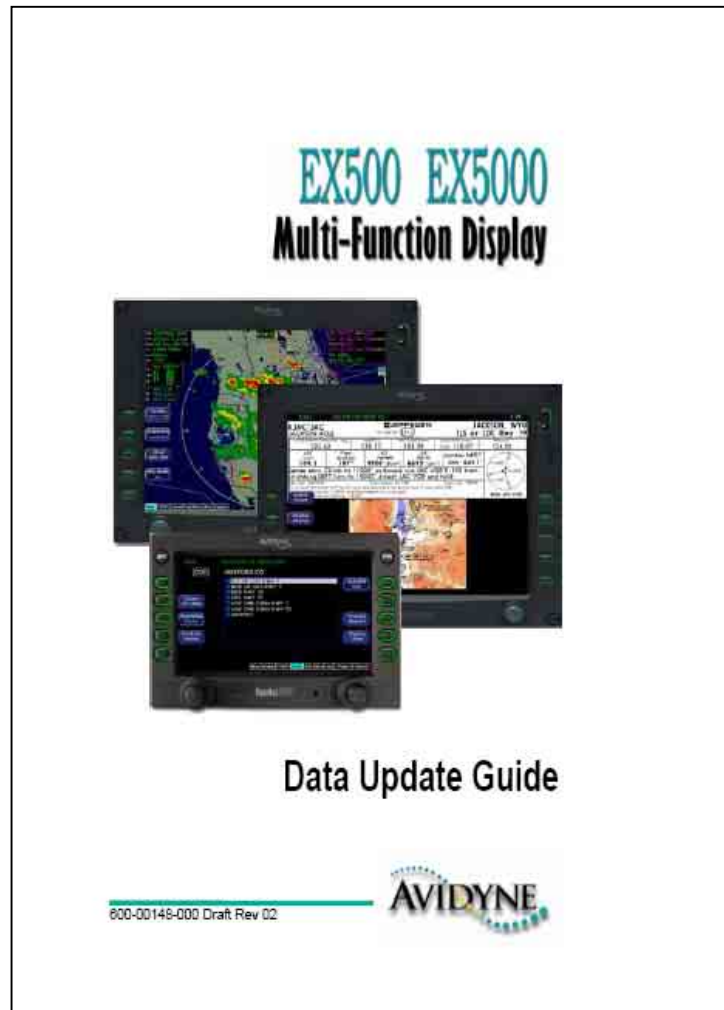


NavData Update Procedures

Always refer to the EX500 EX5000 Multi-Function Display Data Update Guide for reference in completing the NavData update procedure.

This guide is available to download off Avidyne's website www.avidyne.com in the Products/Publications Library menu.

<http://www.avidyne.com/techpubs.shtm>



Minimum System Requirements

NavData Update Procedures

Minimum System Requirements to install and run the Jeppesen JeppView package:

- **Microsoft Window 2000 SP3, XP SP2, or XP Tablet PC Edition**
- **1 GHz or higher processor**
- **800 X 600 resolution display or larger**
- **512 MB RAM or better**
- **2.75 GB available hard drive space or higher**
- **64 MB video card or better**
- **8x CD-ROM drive**
- **Broadband Internet connection for online download of program updates**



Minimum Equipment Requirements

NavData Update Procedures

Minimum Equipment Requirements to upload the Jeppesen NavData updates:

For Zip Disk User:

- **Portable USB-compatible Zip Drive. Use Avidyne part number 200-00048-000 or another USB Zip device.**
- **100MB, 250MB and 750MB Zip Disk and Zip Drive dataloader.**

For USB Flash Memory Drive User:

- **128MB, 256MB, 512MB USB Flash Memory Drive**

See www.Avidyne.com for a list of approved USB Flash Memory Devices.



Avidyne Approved USB Flash Memory Devices

NavData Update Procedures

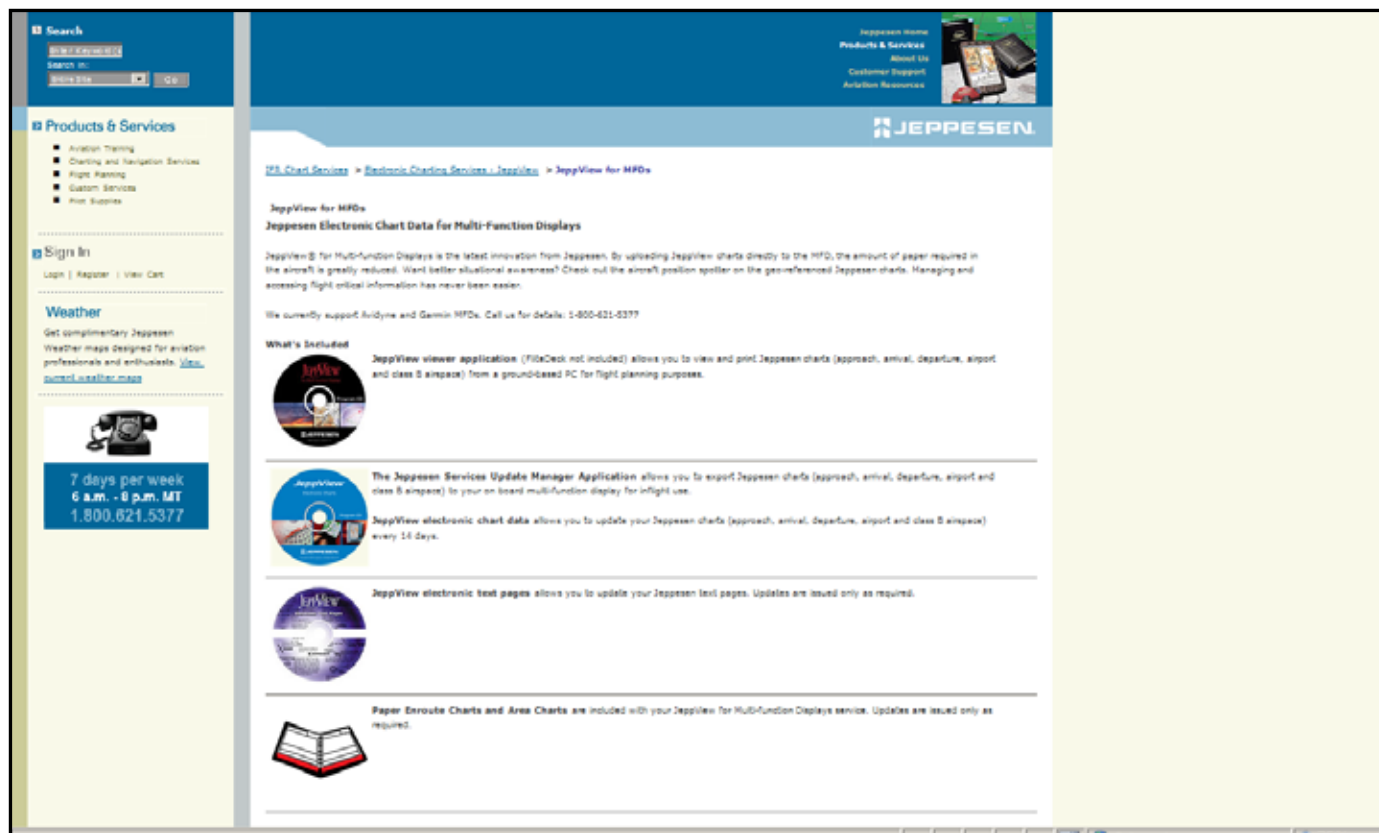
Manufacturer	Product	Size
Apacer	HandySteno	256
Apacer	AudioSteno	512
Kingston	Data Traveler	256
Kingston	Data Traveler	512
PNY	Attache	256
PNY	Attache	512
Sandisk	Cruzer Mini	256
Sandisk	Cruzer Mini	512
SmartModular	USB-IF Hi-Speed 2.0	256
SmartModular	USB-IF Hi-Speed 2.0	512
Transcend	JetFlash	256
Transcend	JetFlash	512

Avidyne recommends that you dedicate an Avidyne-approved USB Flash Memory Drive solely for data transfer to and from your EX5000, and not mix usage of this Flash Memory Drive with other devices.

Ordering NavData Updates

NavData Update Procedures

1. First visit Jeppesen website
www.Jeppesen.com
or contact by phone
at 1-800-621-5377 to
place your order for
the Jeppesen
NavData updates
for your Avidyne
MFDs.
2. Contact Jeppesen
7 Days per week
6 AM-8 PM MT
Call 1-800-621-5377



Formatting the Zip Disk/USB Flash Drive

NavData Update Procedures

1. **Connect your Zip Drive Dataloader with the Zip Disk inserted into your USB port on your PC OR connect your USB Flash Memory Drive into your USB port on your PC.**
2. **Double left click the My Computer Icon on your PC Desktop.**



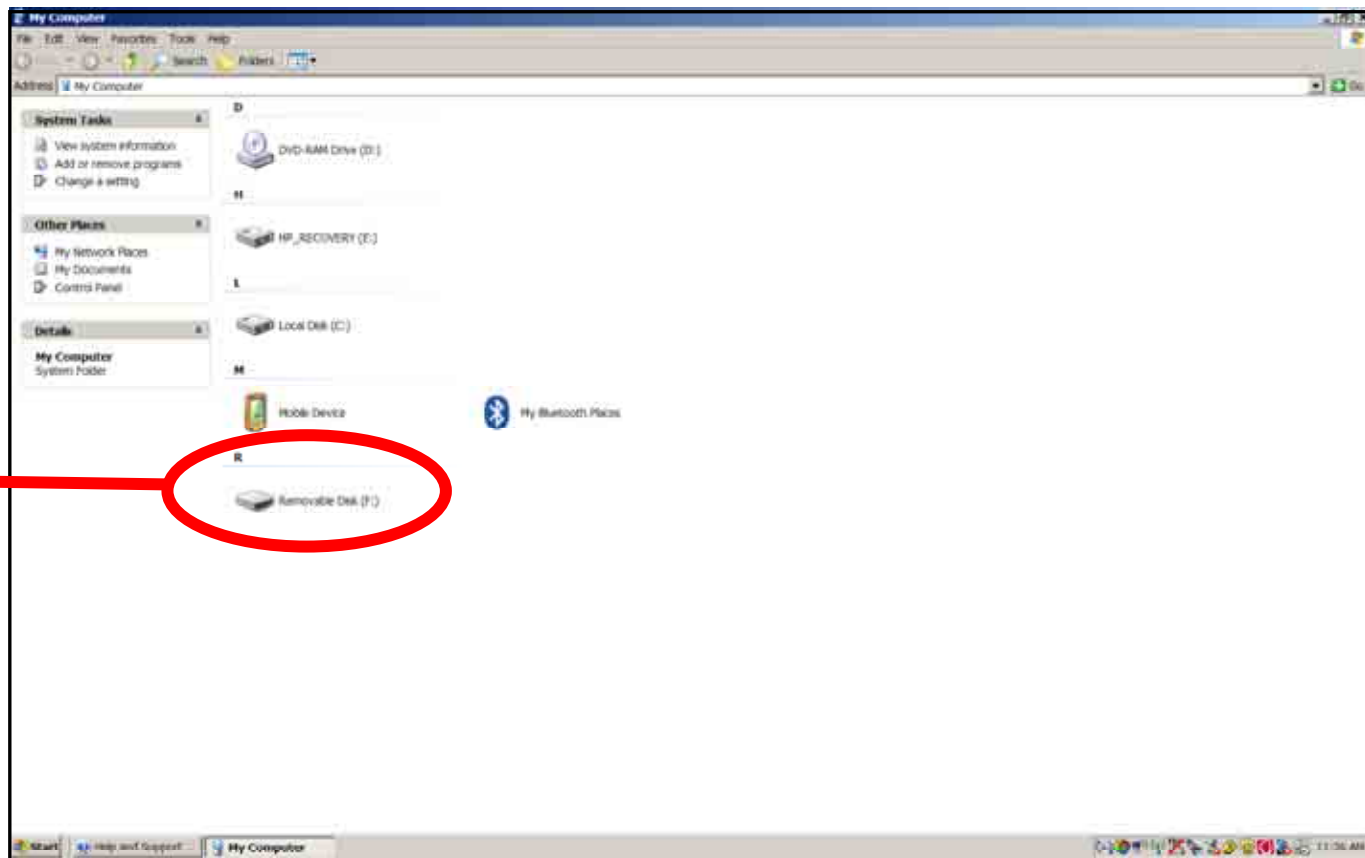
Formatting the Zip Disk/USB Flash Drive

NavData Update Procedures

1. **Right Click the Removable Disk () where your Zip Drive or USB Flash Memory Drive is connected to on your PC.**



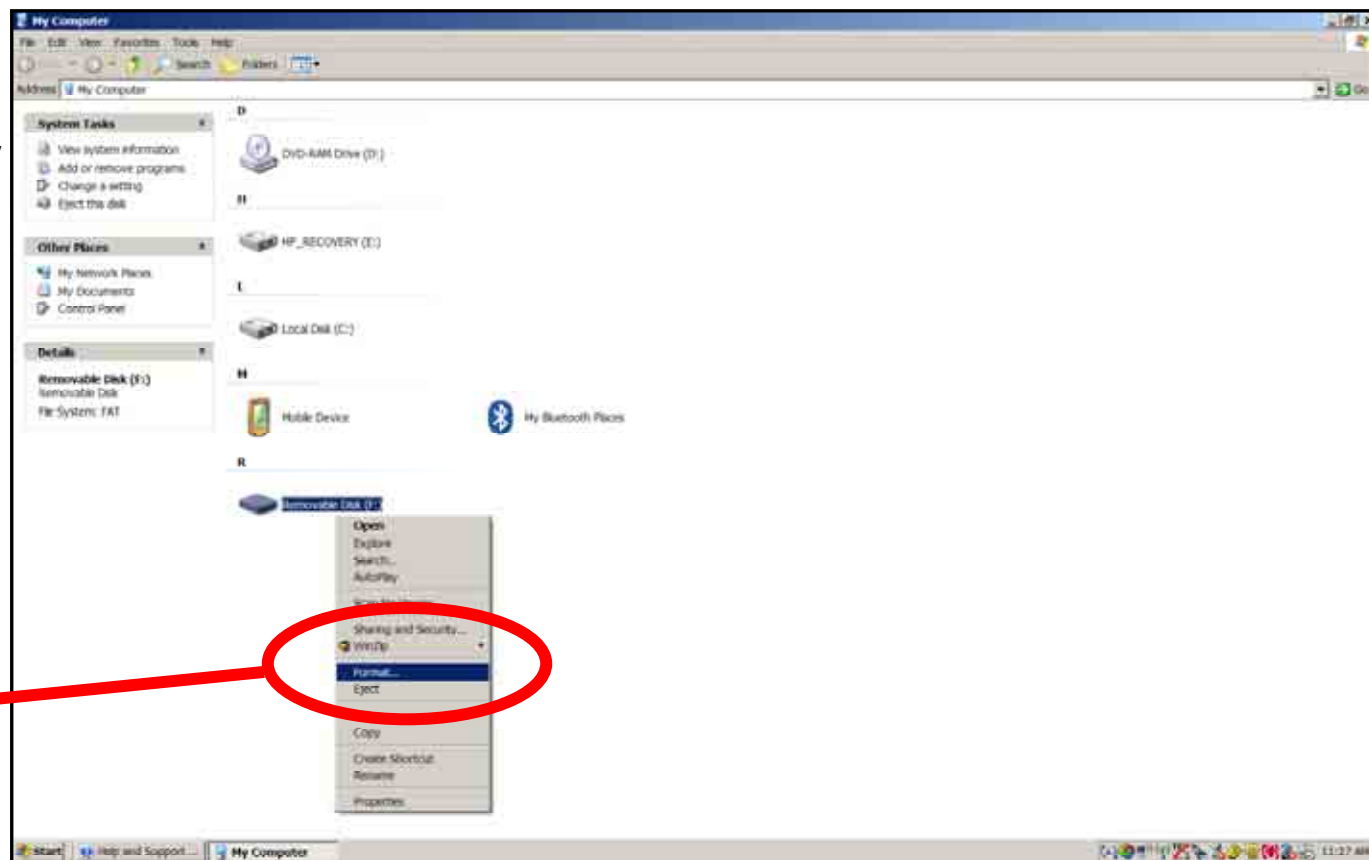
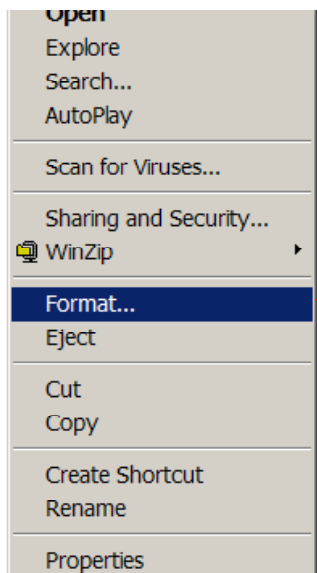
Removable Disk (F:)



Formatting the Zip Disk/USB Flash Drive

NavData Update Procedures

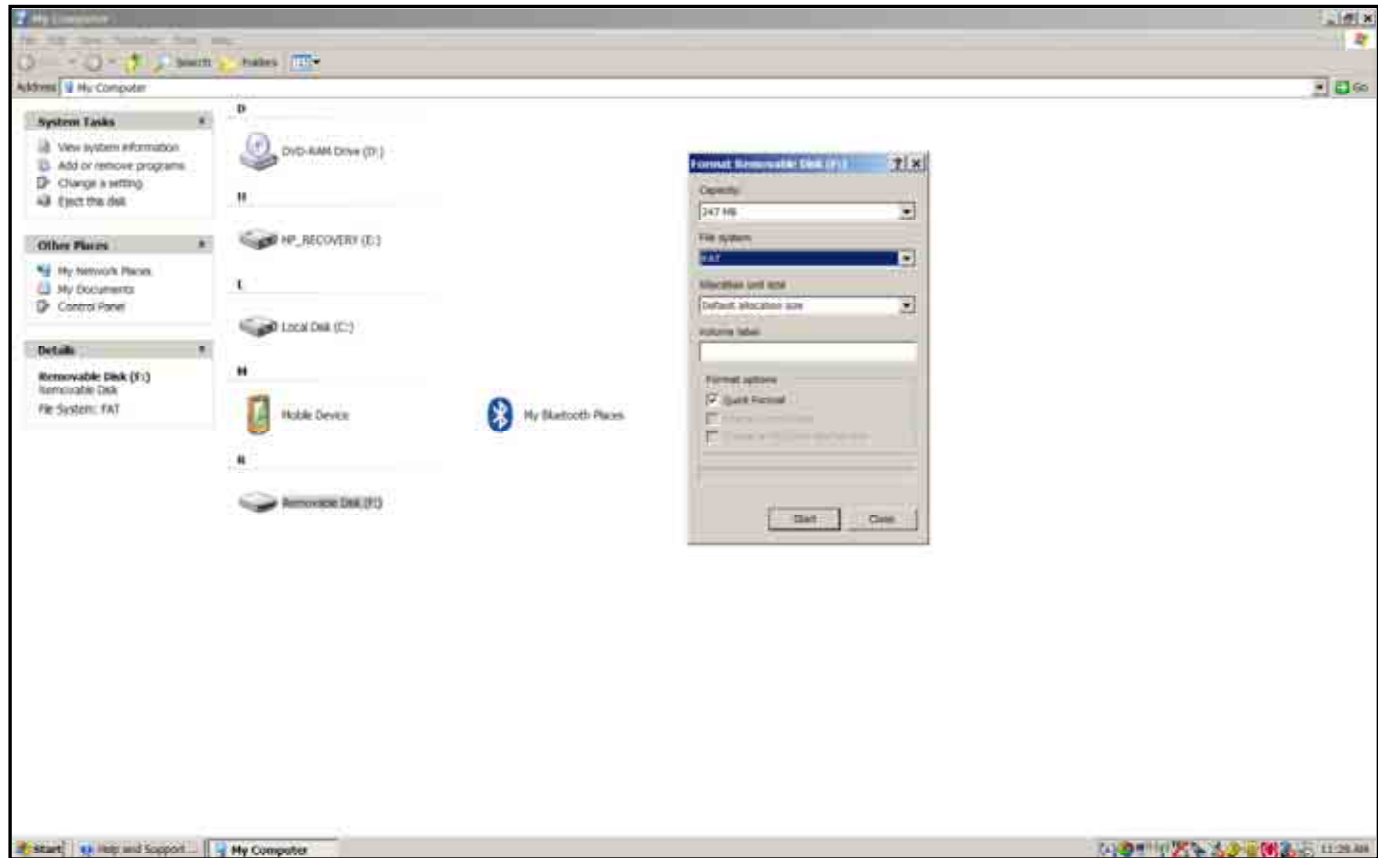
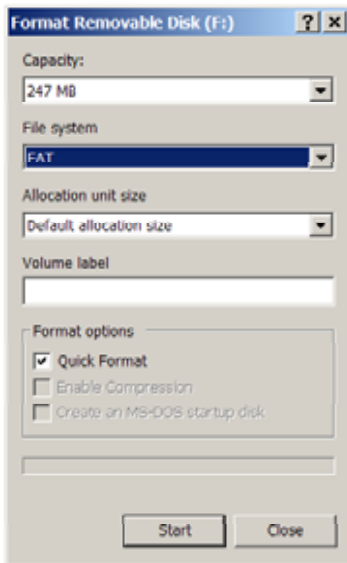
1. Right Click the Removable Disk () where your Zip Drive or USB Flash Memory Drive is connected to on your PC.
2. Then left click the option Format.



Formatting the Zip Disk/USB Flash Drive

NavData Update Procedures

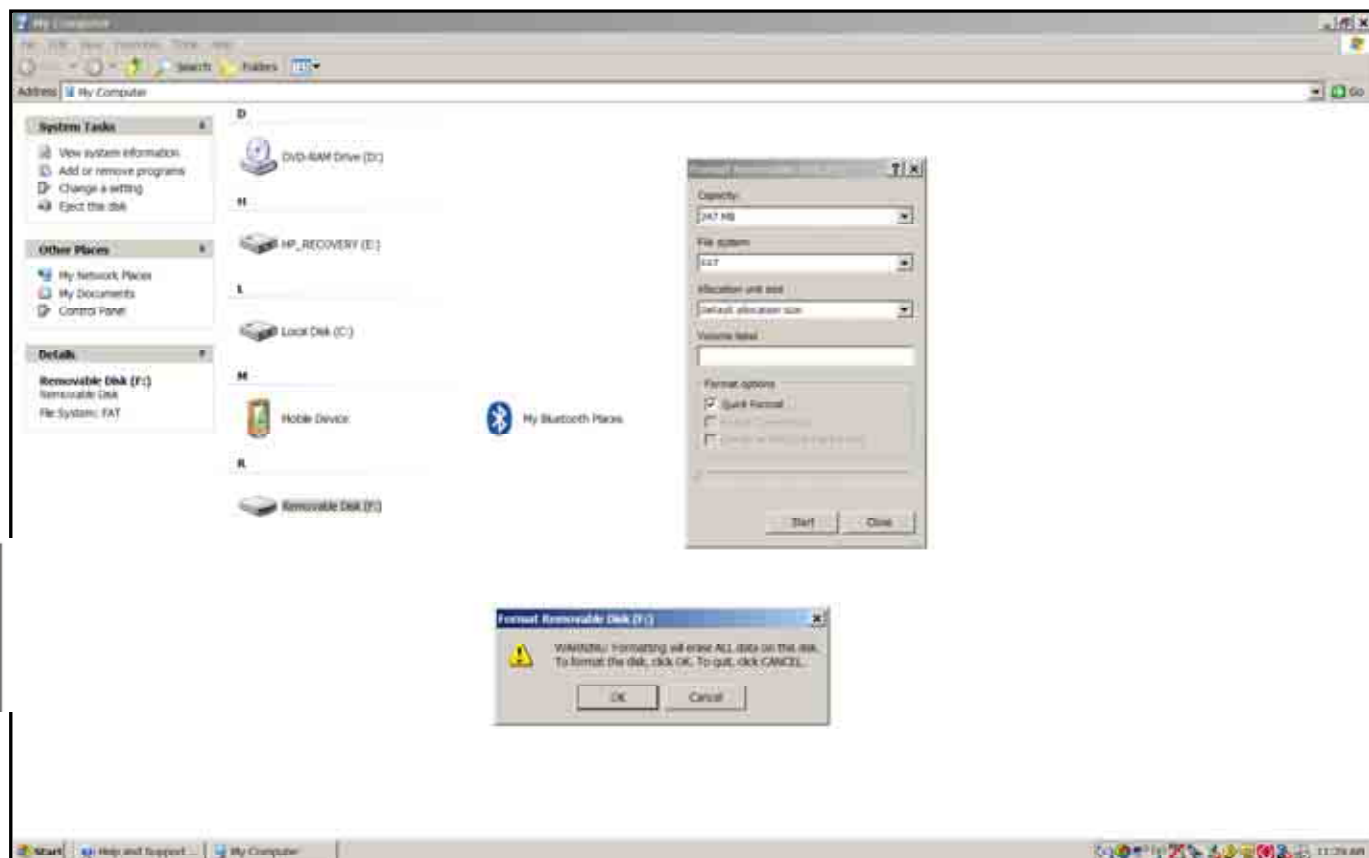
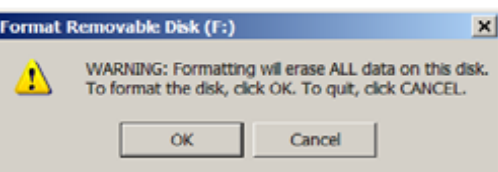
1. Then choose “FAT” under the File system selection.
2. Check Quick Format under Format Options.
3. The click Start.



Formatting the Zip Disk/USB Flash Drive

NavData Update Procedures

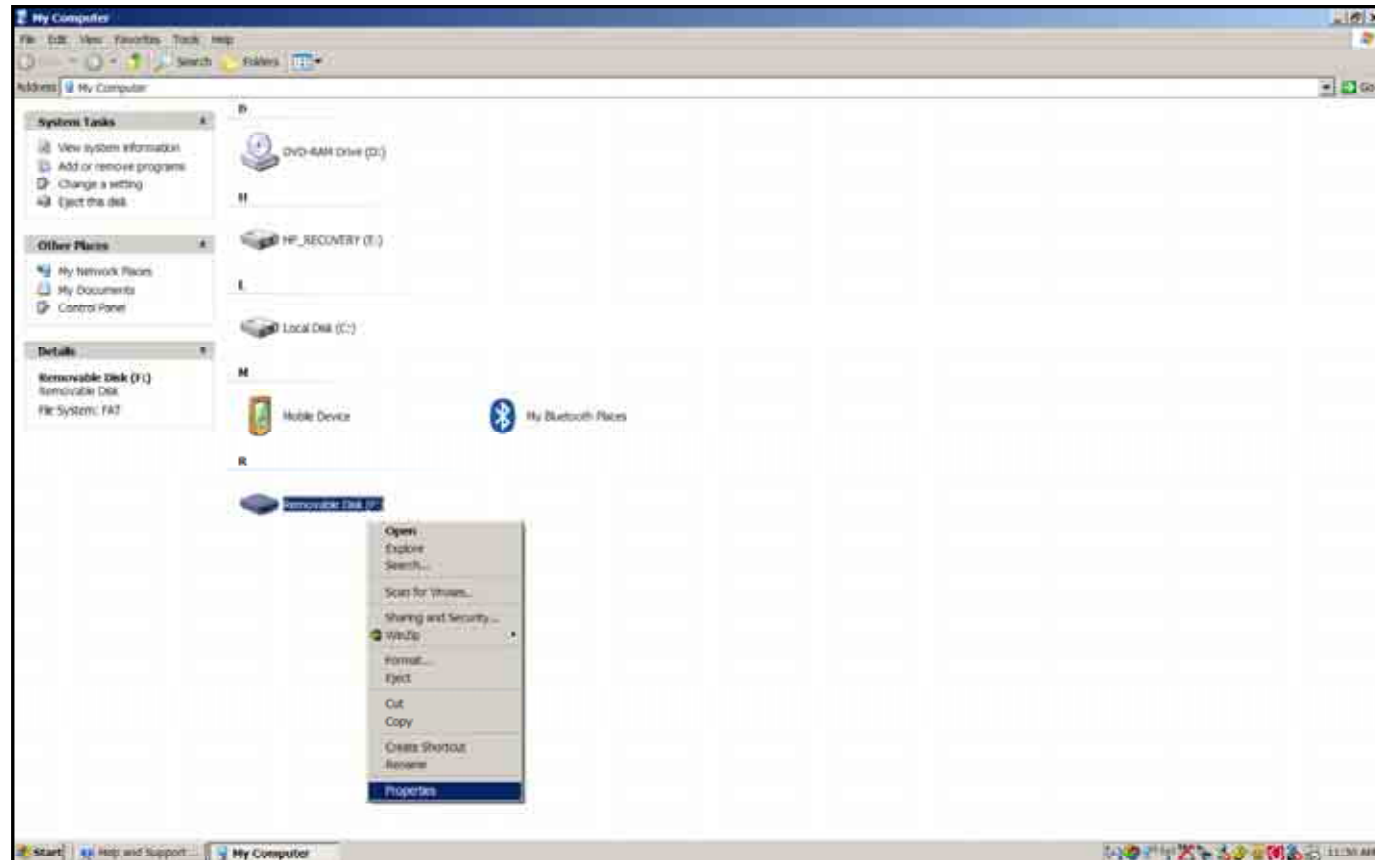
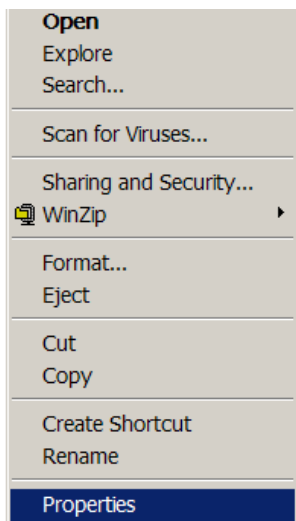
1. A Warning Box will display stating **“WARNING: Formatting will erase ALL data on this disk. To format the disk, click OK, To quit, click CANCEL”** You want to click **OK** to format and erase unnecessary data from the USB device.



Formatting the Zip Disk/USB Flash Drive

NavData Update Procedures

1. Next you want to verify that your USB device is correctly Formatted and is cleared of all other Data.
2. Right click the Removable Disk ().
3. Then scroll down to Properties and then left click the Properties selection.

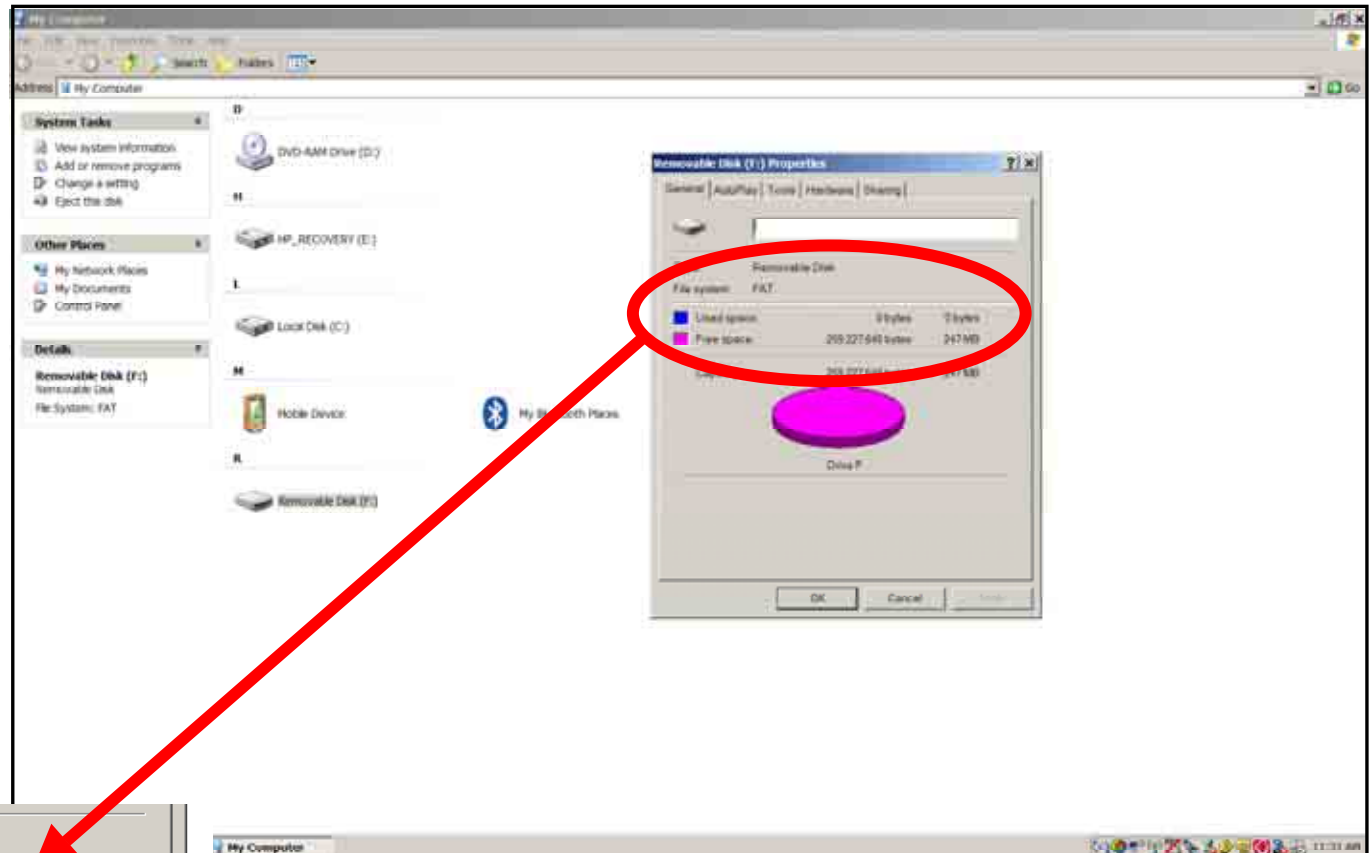


Formatting the Zip Disk/USB Flash Drive

NavData Update Procedures

1. Verify under File system that it shows “FAT”
2. Verify on Used space it shows 0 bytes.
3. If either File system shows other than “FAT” or under Used space it shows more than 0 bytes. Then re-format USB device again.

Note: Keep your USB Flash Memory Drive/Zip Drive connected to your PC for the following steps



NavData Update Procedures

Notes for Zip Disk users:

- **If your Zip drive ejects the Zip disk without reading the update, the most likely reason is that the disk has been formatted as “FAT 32.”**
- **Your Zip Disk must be in “FAT” format. If you purchase a Zip Disk that is formatted as “FAT 32,” you will need to reformat it.**
- **When you reformat the disk, you MUST select the “FAT” file system as a format option. Windows XP defaults to “FAT 32”, which is not compatible with the EX500 or EX5000.**
- **For Iomega Zip Disk Users: Do not install the Iomega Tools disk on your PC. The Iomega tools will not allow you to use the “FAT” file system format. If you already have the Iomega tools installed, uninstall them.**

USB Flash Memory Drive Users

NavData Update Procedures

Notes for USB Flash Memory users:

- Due to system constraints, you cannot download both CMax Chart Data and NavData on the same USB Flash Memory device at the same time. Therefore, Avidyne suggests that you keep one USB Flash memory drive for CMax and another for NavData (and, if your aircraft is equipped with EMax, one more USB device to load EMax data from your MFD to the PC.
- Many USB Flash Memory Drives are now delivered with U3 Launchpad installed. This application, from U3, prevents any Jeppesen data (NavData) from loading. If your USB Flash Memory Drive has U3 Launchpad, you must uninstall it. For information about uninstalling U3 Launchpad, see www.u3.com/support/ or www.u3.com/uninstall/.
- Avidyne recommends using a USB 2.0 Flash Memory Drive with a size of 128MB, 256MB, or 512MB for Nav Data updates and a USB 2.0 Flash Memory Drive with a size of 256MB or 512MB for CMax Chart Data. Avidyne recommends not using a 1GB USB Memory Drive or larger for Nav Data updates or CMax. Please visit www.avidyne.com/products/USB%20flash%20support.pdf for a complete list of Avidyne tested USB 2.0 Flash Memory devices.

Updating NavData by JSUM

NavData Update Procedures

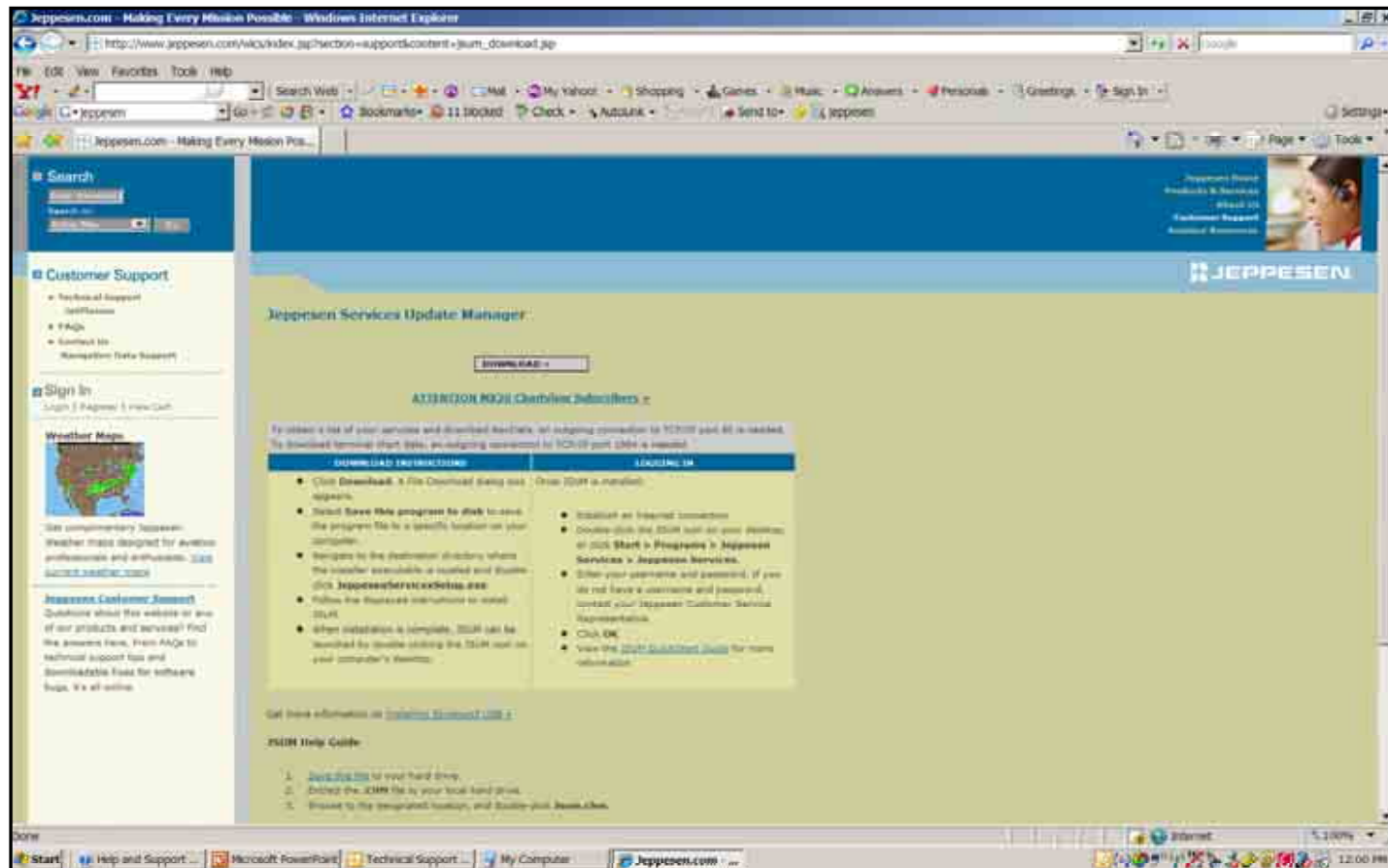
1. After you have ordered your Jeppesen NavData updates.
2. Then visit Jeppesen website to download Jeppesen's latest version of Jeppesen Services Update Manager (JSUM) application.



Updating NavData by JSUM

NavData Update Procedures

1. Remember to always download the latest version of the Jeppesen Services Update Manager (JSUM) on to your PC.



Updating NavData by JSUM

NavData Update Procedures

1. You should have a Jeppesen Services icon located on your PC desktop to be able to log into JSUM.



Updating NavData by JSUM

NavData Update Procedures

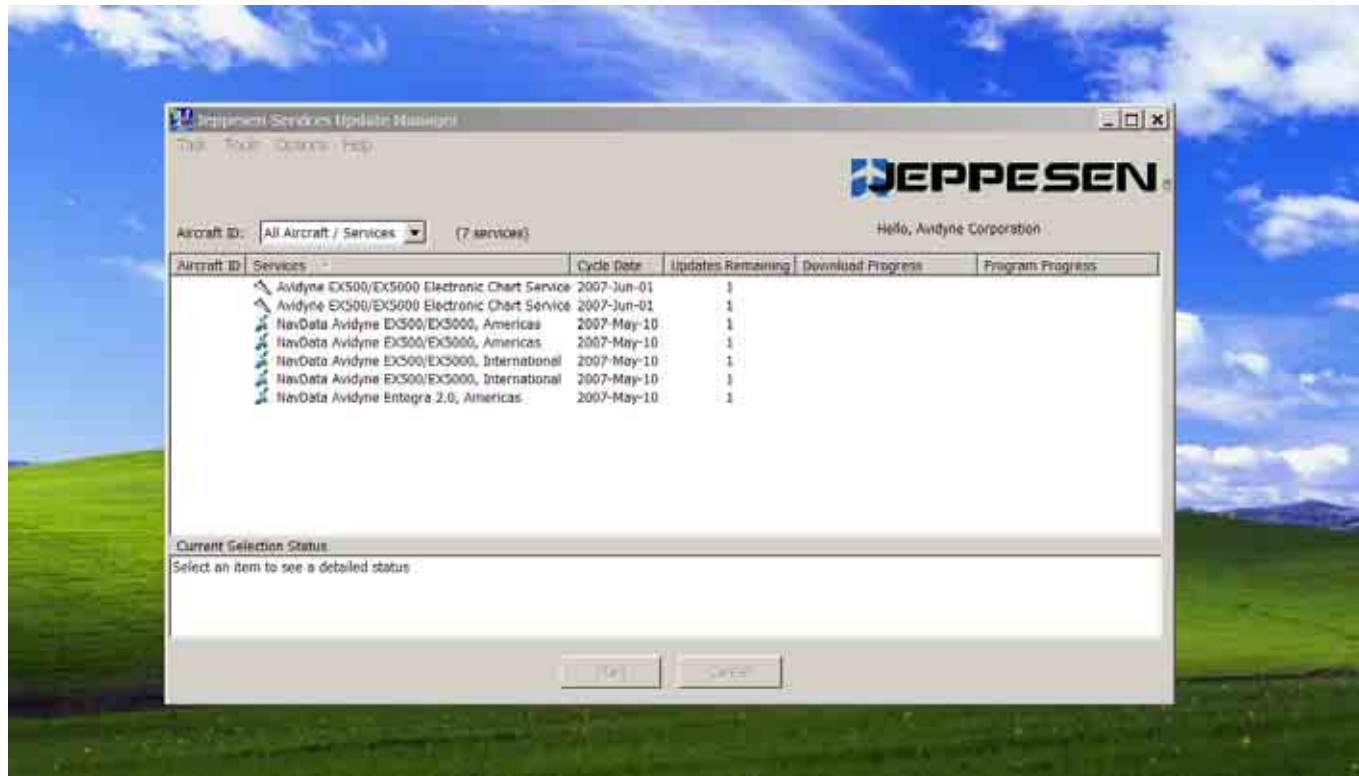
1. Next locate your JSUM Username and Password you have written down and log into JSUM.



Updating NavData by JSUM

NavData Update Procedures

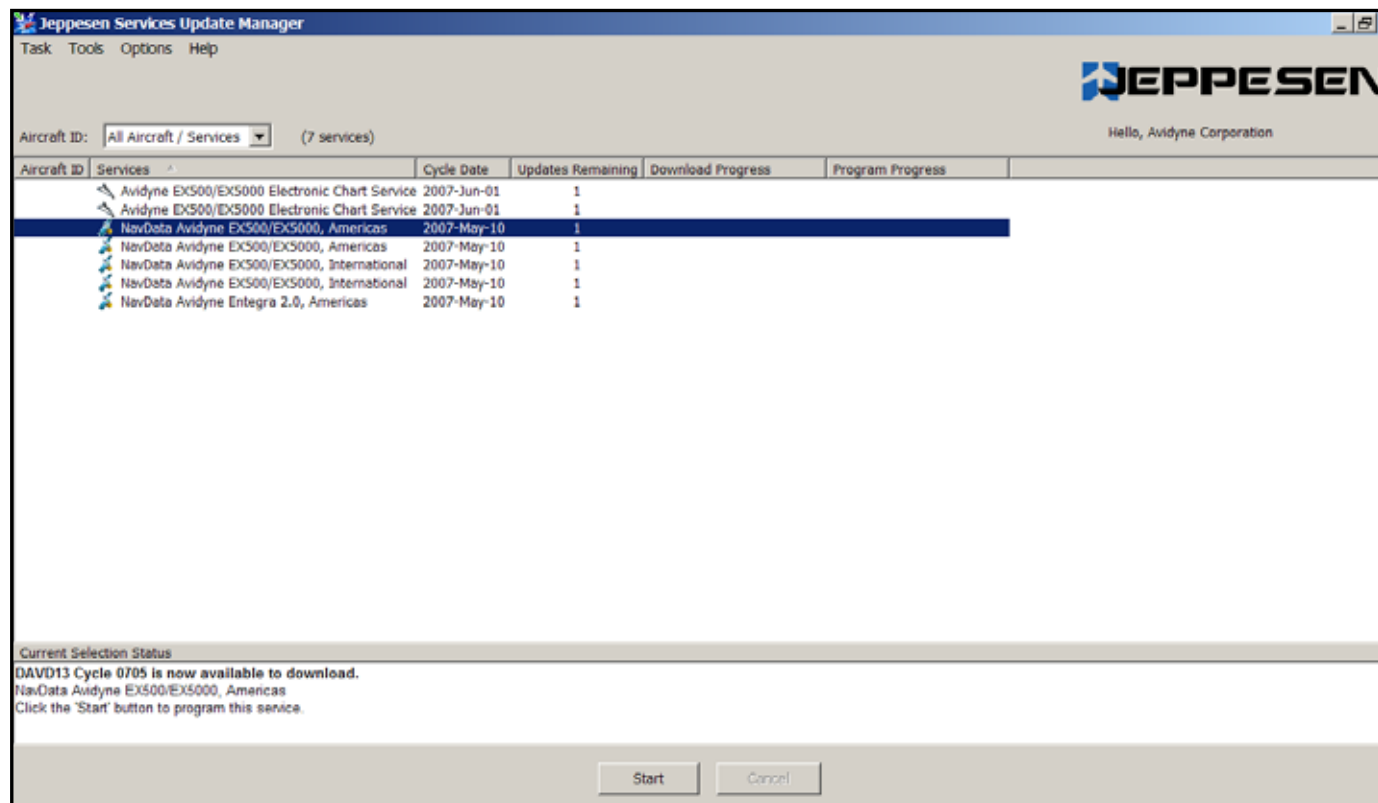
1. All your current Jeppesen subscriptions for your Avidyne MFDs will be shown.



Updating NavData by JSUM

NavData Update Procedures

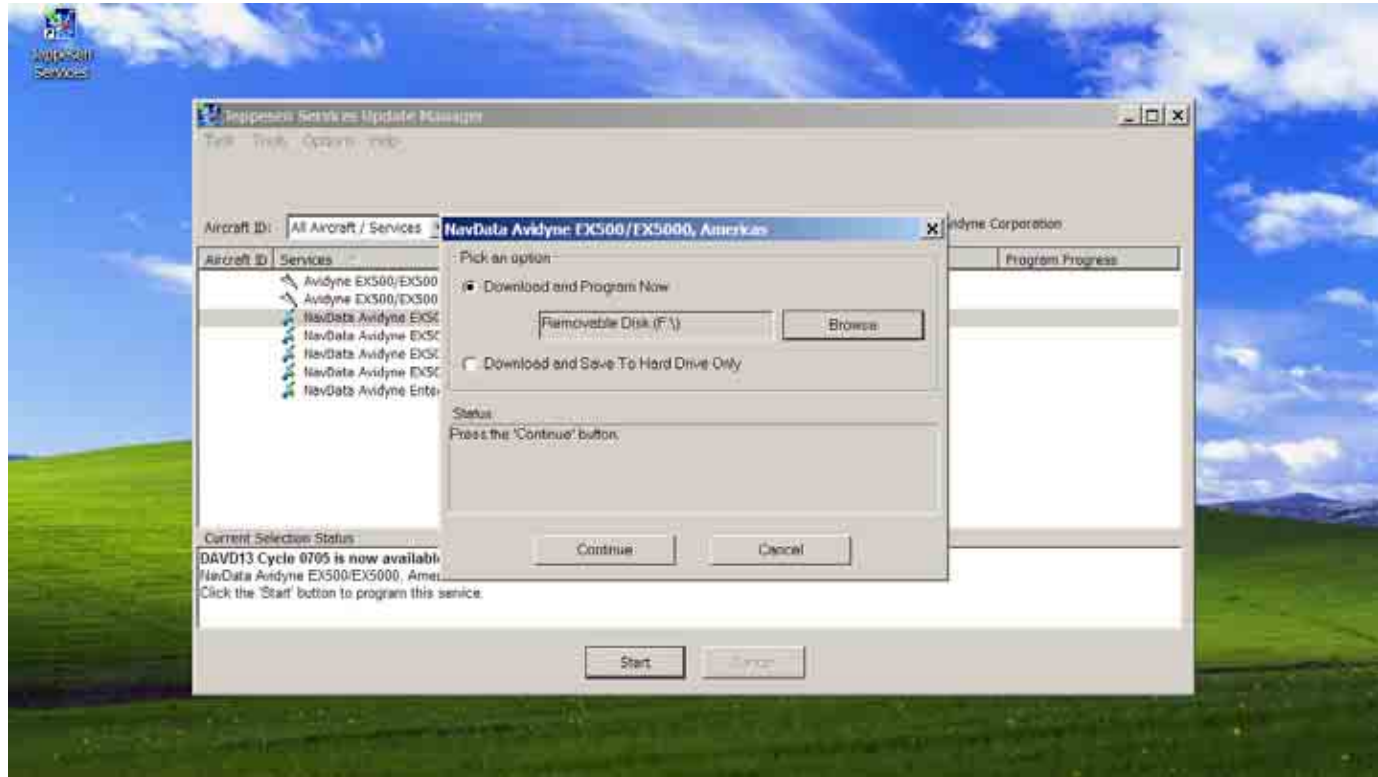
1. **Select the NavData Avidyne EX500/EX5000 for your region to download to your USB Flash Memory Drive/Zip Drive already connected to your PC.**



Updating NavData by JSUM

NavData Update Procedures

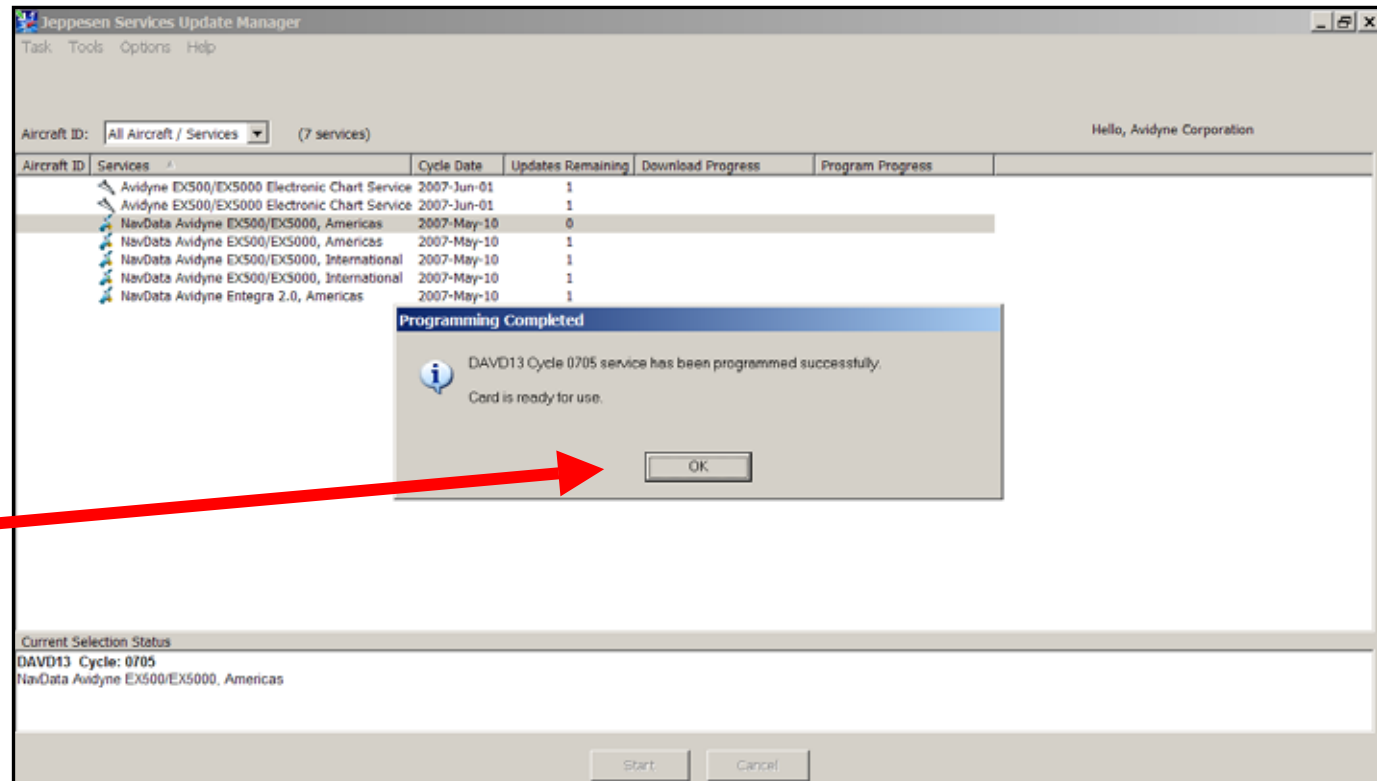
1. **Select the Download and Program Now option.**
2. **Next Browse for your Removable Disk drive where your USB Flash Memory Drive/Zip Drive is connected too.**
3. **Then click Continue.**



Updating NavData by JSUM

NavData Update Procedures

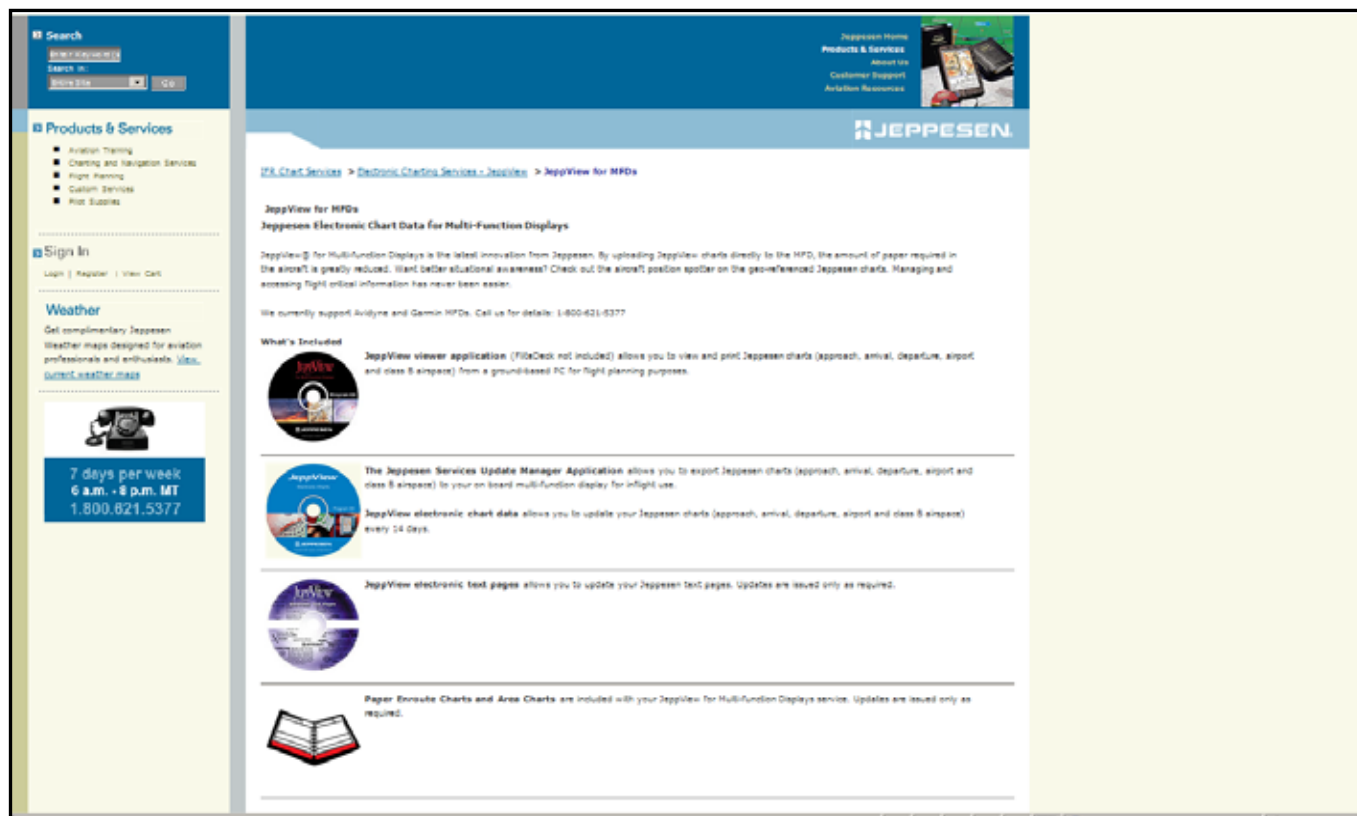
1. Once the NavData Avidyne EX500/EX5000 Updates have been downloaded successfully into your USB Flash Memory Drive/Zip Drive you will receive the following message “Programming Completed”. Click OK
2. Then disconnect your USB Flash Memory Drive/Zip Drive from your PC and take it out to your Aircraft to upload the NavData updates to your Avidyne MFD.



Updating NavData by Jeppesen CDs

NavData Update Procedures

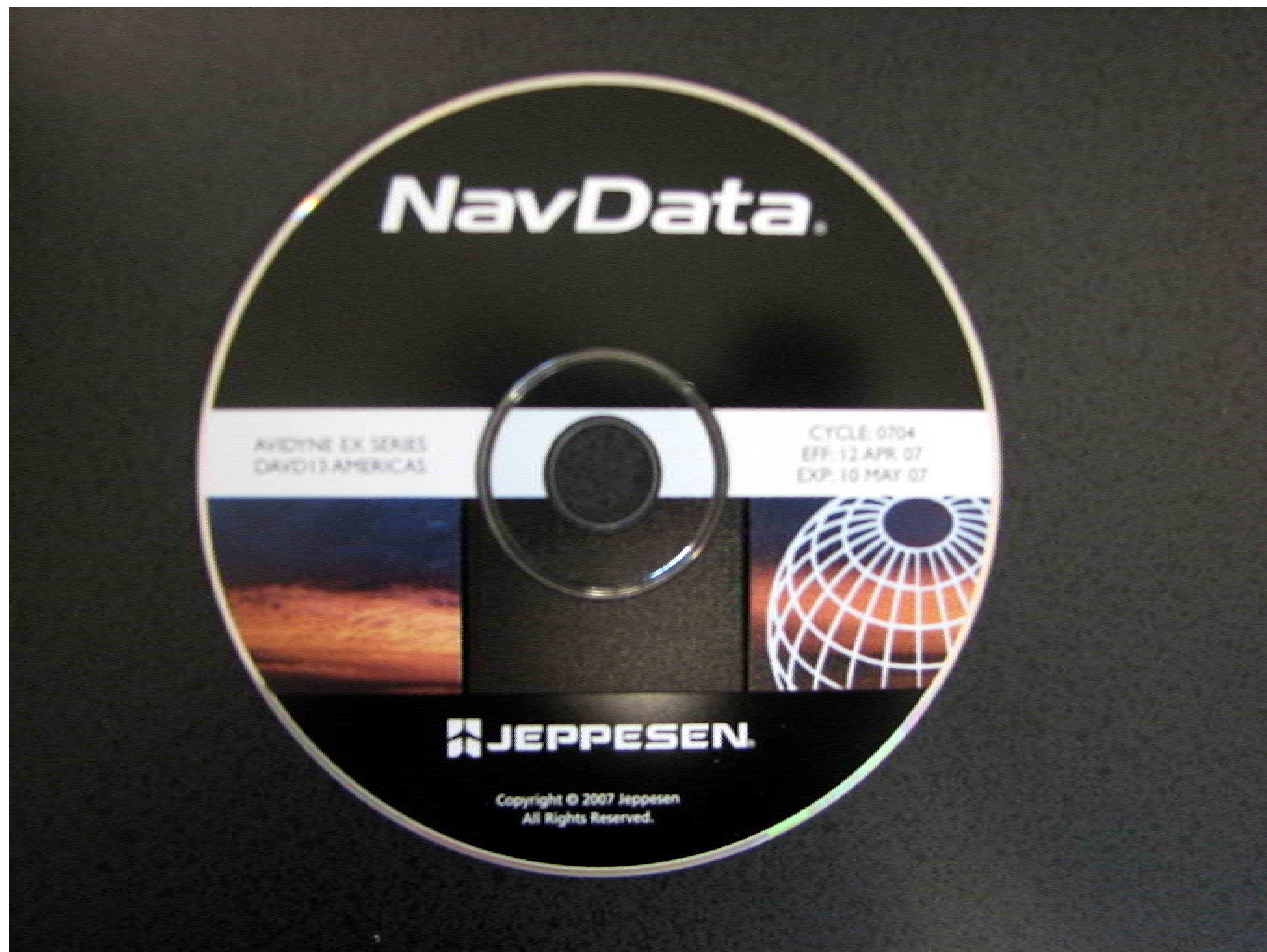
1. Once you've placed your CD order with Jeppesen for the NavData updates for your Avidyne MFDs



Updating NavData by Jeppesen CDs

NavData Update Procedures

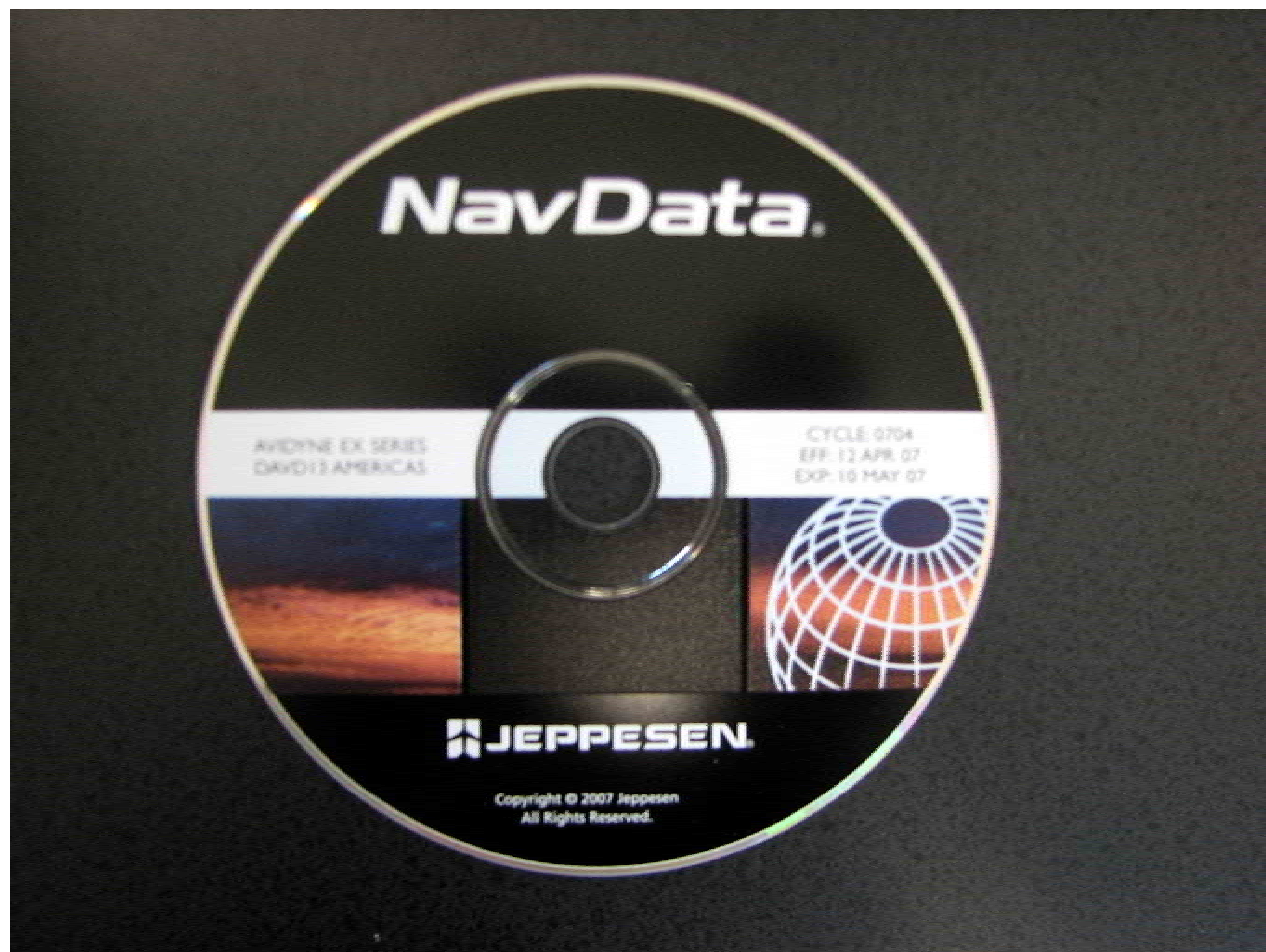
1. You will receive your Jeppesen NavData updates CDs by mail.



Updating NavData by Jeppesen CDs

NavData Update Procedures

1. First, verify that your “FAT” formatted USB Flash Memory Drive/Zip Drive is still connected to your PC.
2. Next, take your Jeppesen NavData update CD and insert it into your PC.



Updating NavData by Jeppesen CDs

NavData Update Procedures

1. After inserting the Jeppesen NavData update CD into your PC a Avidyne Navigation Data Update window will display.
2. Select “Install Flightmax Navigation Data Disk to F:” or whatever Removable Disk drive you have your USB device connected on your PC.



Uploading the NavData to the MFD

NavData Update Procedures

1. **First verify you have adequate power supply to your MFD and a completely charged aircraft battery or ground power unit to power your MFD.**
2. **Carefully remove the USB port cover so you can connect your USB Flash Memory Drive to your MFD USB port.**
3. **Then power up your Aircraft avionics power to power up the MFD.**
4. **Next follow the MFD screen prompts to upload your NavData updates to the MFD.**



Uploading the NavData to the MFD

NavData Update Procedures

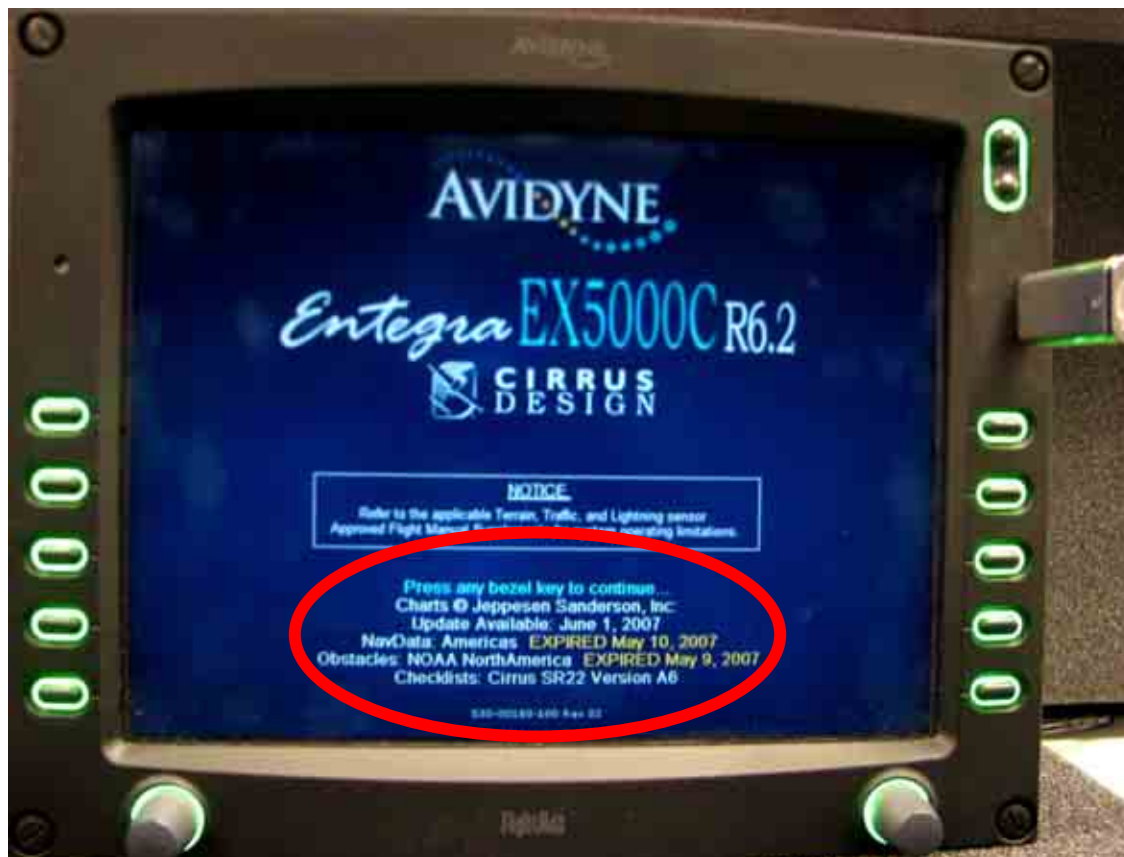
1. **First verify you have adequate power supply and a completely charged aircraft battery or ground power unit to power your MFD.**
2. **Carefully remove the USB cover so you can connect your Zip Drive dataloader to your MFD USB port with the Zip disk not inserted.**
3. **Then power up your Aircraft avionics power to power up the MFD.**
4. **When you see the FlightMax logo screen insert the Zip disk into the Zip Drive dataloader.**
5. **Next follow the MFD screen prompts to upload your NavData updates to the MFD.**



Uploading the NavData to the MFD

NavData Update Procedures

1. Verify the NavData updates subscription dates are correctly shown on the MFD display.
2. Disconnect the USB Flash Memory Drive/Zip Drive from your MFD.





EX5000/EX500 MFD

CMax Chart Data Update Procedures

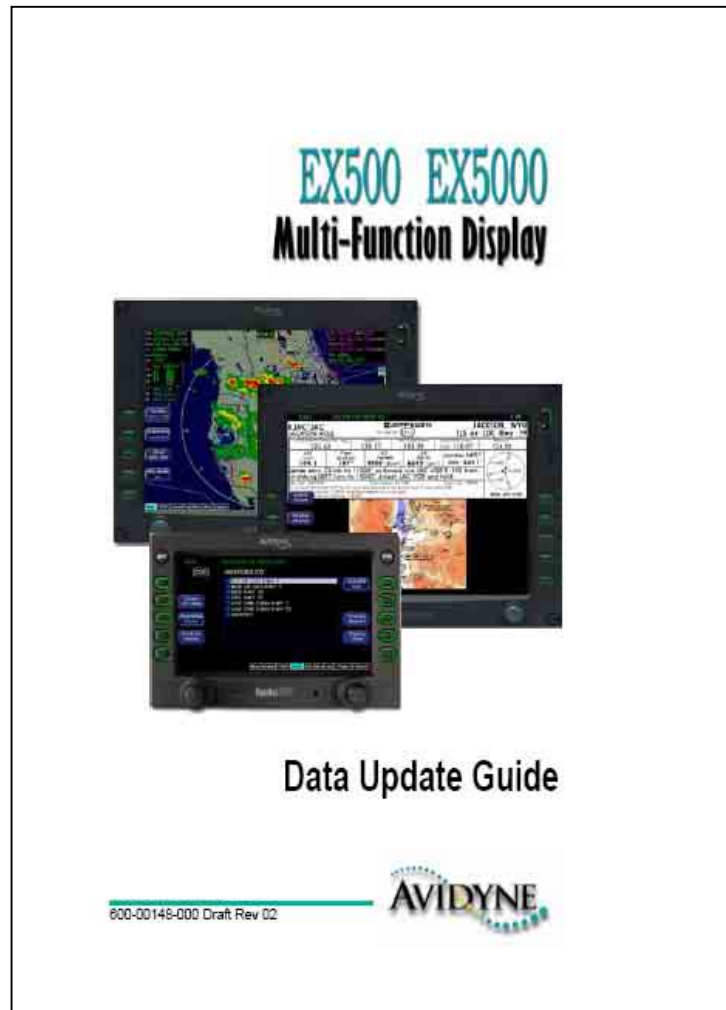


CMax Chart Data Update Procedures

Always refer to the EX500 EX5000 Multi-Function Display Data Update Guide for reference in completing the CMax Chart Data update procedure.

This guide is available to download off Avidyne's website www.avidyne.com in the Products/Publications Library menu.

<http://www.avidyne.com/techpubs.shtm>



Minimum System Requirements

CMax Chart Data Update Procedures

Minimum System Requirements to install and run the Jeppesen JeppView package:

- **Microsoft Window 2000 SP3, XP SP2, or XP Tablet PC Edition**
- **1 GHz or higher processor**
- **800 X 600 resolution display or larger**
- **512 MB RAM or better**
- **2.75 GB available hard drive space or higher**
- **64 MB video card or better**
- **8x CD-ROM drive**
- **Broadband Internet connection for online download of program updates**



Minimum Equipment Requirements

CMax Chart Data Update Procedures

Minimum Equipment Requirements to upload the Jeppesen NavData updates:

For Zip Disk User:

- **Portable USB-compatible Zip Drive. Use Avidyne part number 200-00048-000 or another USB Zip device.**
- **250MB or 750MB Zip Disk and Zip Drive dataloader.**

For USB Flash Memory Drive User:

- **256MB or 512MB USB Flash Memory Drive**

See www.Avidyne.com for a list of approved USB Flash Memory Devices.



Avidyne Approved USB Flash Memory Devices

CMax Chart Data Update Procedures

Manufacturer	Product	Size
Apacer	HandySteno	256
Apacer	AudioSteno	512
Kingston	Data Traveler	256
Kingston	Data Traveler	512
PNY	Attache	256
PNY	Attache	512
Sandisk	Cruzer Mini	256
Sandisk	Cruzer Mini	512
SmartModular	USB-IF Hi-Speed 2.0	256
SmartModular	USB-IF Hi-Speed 2.0	512
Transcend	JetFlash	256
Transcend	JetFlash	512

Avidyne recommends that you dedicate an Avidyne-approved USB Flash Memory Drive solely for data transfer to and from your EX5000, and not mix usage of this Flash Memory Drive with other devices.

EX5000/EX500 MFD

CMax Chart Data Update Procedures

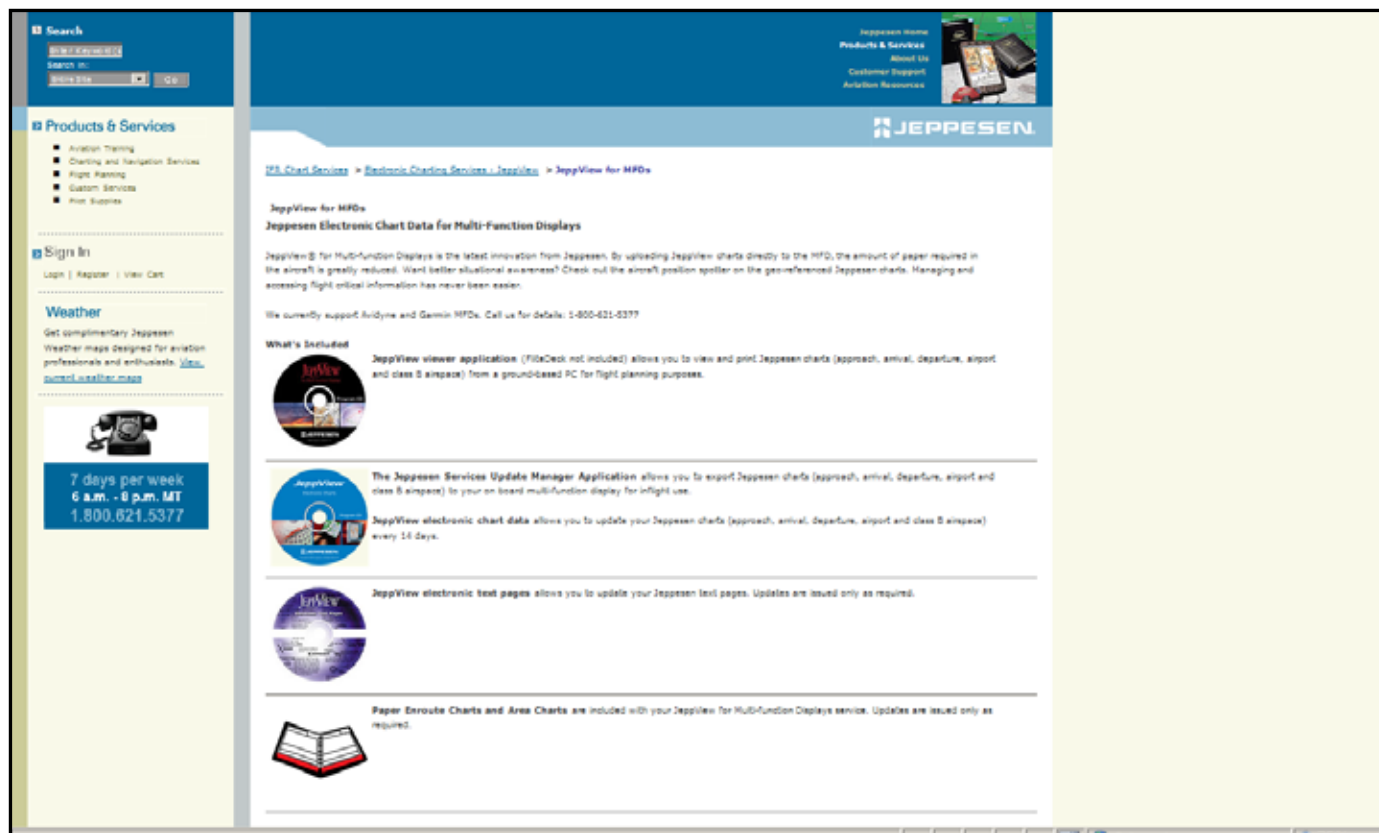
1. Before ordering the Jeppesen Electronic Chart Data subscription verify that your Avidyne MFD does have the CMax Chart option by viewing the Chart tab on the bottom of the Map page.
2. If your Avidyne MFD does not have the CMax Chart option you can contact your nearest Avidyne Distributor or Service Center to order the Avidyne CMax Chart option.



Ordering CMax Chart Data Updates

CMax Chart Data Update Procedures

1. First visit Jeppesen website
www.Jeppesen.com
or contact by phone
at 1-800-621-5377 to
place your order for
the Jeppesen
Electronic CMax
Chart Data updates
for your Avidyne
MFDs.
2. Contact Jeppesen
7 Days per week
6 AM-8 PM MT
Call 1-800-621-5377



CMax Chart Data Update Procedures

1. Go to www.MyAvidyne.com
2. Go to Return Account Users and log in using your saved User ID and Password and Click Login.

The screenshot displays the MyAvidyne.com homepage. At the top left is the AVIDYNE logo, and at the top right is the tagline 'The Integrated Flight Deck Company' with a small airplane icon. The main content area is divided into three columns. The left column features a 'FlightCenter Flight Associate' section with a 'Login Here' button, and a 'New Account Signup' section with the text 'Register Your Warranty and Open Your Account' and an 'Enroll Now' button. The middle column contains a paragraph stating 'MyAvidyne.com is your direct line to Avidyne and to the many services available for your aircraft including:' followed by a list of services: 'Multilink Service', 'FLEX Extended Warranty Service', 'Text Messaging', 'Flight Tracking', and 'CMax Management'. Below this list is a link to 'www.Avidyne.com'. The right column is titled 'Return Account Users' and contains a login form with fields for 'User ID:' and 'Password: (case sensitive)', a 'Login' button, and a checkbox for 'Remember my User Name and Password.' At the bottom of this column is a 'User ID & Password Help' link.

 FlightCenter Flight Associate <input type="button" value="Login Here"/> New Account Signup Register Your Warranty and Open Your Account <input type="button" value="Enroll Now"/>	<p>MyAvidyne.com is your direct line to Avidyne and to the many services available for your aircraft including:</p> <ul style="list-style-type: none">Multilink ServiceFLEX Extended Warranty ServiceText MessagingFlight TrackingCMAX Management <p>For more information on these services and products offered by Avidyne, please visit:</p> <input type="button" value="www.Avidyne.com"/>	<p>Return Account Users</p> <p>User ID: <input type="text"/></p> <p>Password: (case sensitive) <input type="password"/></p> <input type="button" value="Login"/> <input type="checkbox"/> Remember my User Name and Password.
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Generating a CMax Key Code

CMax Chart Data Update Procedures

1. Verify your Jeppesen Software Serial Number on the package that you recieved from Jeppesen or call Jeppesen.
2. Next click on CMax Key Code menu to generate a Avidyne CMax Key Code.



Generating a CMax Key Code

CMax Chart Data Update Procedures

1. Enter your Jeppesen Software Serial Number without any dashes or spaces. This Jeppesen Software Serial Number is case sensitive enter the letters and numbers as all CAPS.

The screenshot shows a web browser window with the URL <https://www.myavidyne.com/Customer/cmax.asp>. The page header includes the Avidyne logo, the user name "John Doe", and the tagline "The Integrated Flight Deck Company". The date "Tuesday, June 05, 2007" is displayed in the top right. A navigation bar contains links for HOME, ACCOUNT, CMAX, FLEX, CONTACT US, and MERCHANDISE. The main content area is titled "CMax Authorization" and contains the following text:

To enable your CMax Account you must obtain a "KEY". The key is generated from your Jeppesen Software Serial Number.

To obtain your Jeppesen Software Serial Number, contact Jeppesen at 1 (800) 621 5377

Please enter your Jeppesen Software Serial Number below and press "Generate key Code". Be sure to enter your Jeppesen Software Serial Number without dashes or spaces. This number is also case-sensitive, so enter it exactly as issued by Jeppesen. The "Key" will appear in the field labeled: "CMax Key Code". If your CMax Key Code begins with 's', be sure to include this symbol as part of your key.

When you receive your Jeppesen chart data and software, you will also receive the CMax Data Extractor utility, which will use the key generated here from your Jeppesen Software Serial Number and MFD serial number to enable the downloading of the CMax data.

Aircraft Tail Number: N321AC
Unit Serial Number: 55555555
Jeppesen Software Serial Number: ---

CMax Key Code:

To minimize error with entering the CMax key code, you can copy the key code to your clipboard and paste it into the Jepp CMax Extraction software.

To copy the CMax Key Code to clipboard, highlight the key code by dragging your mouse over the CMax key code with the left button depressed.

With the CMax Key Code highlighted, click on the

Generating a CMax Key Code

CMax Chart Data Update Procedures

1. **Next click on Generate Key Code.**



The screenshot shows the Avidyne website's CMax Authorization page. The browser address bar displays 'https://www.myavidyne.com/Customer/cmax.asp'. The page header includes the Avidyne logo, the user name 'John Doe', and the date 'Tuesday, June 05, 2007'. Below the header is a navigation bar with links: HOME, ACCOUNT, CMAX, FLEX, CONTACT US, and MERCHANDISE. The main content area contains instructions for generating a CMax Key Code. It states that a key is generated from the Jeppesen Software Serial Number and provides contact information for Jeppesen. It then prompts the user to enter their Jeppesen Software Serial Number without dashes or spaces. Below this, the serial number is displayed as 'EXJ5-AB34-56DF-GH98'. A red arrow points from the instruction 'Next click on Generate Key Code.' to the 'Generate Key Code' button. The button is located below the serial number input field. To the right of the button, there is a field for the 'CMax Key Code:' which is currently empty. Below this field, there is a note about minimizing error by copying the key code to the clipboard and pasting it into the Jepp CMax Extraction software. At the bottom, there is a note about copying the CMax Key Code to the clipboard by highlighting it with the mouse.

Aircraft Tail Number: N321AC
Unit Serial Number: 55555555
Jeppesen Software Serial Number: EXJ5-AB34-56DF-GH98

Generate Key Code

CMax Key Code:

To minimize error with entering the CMax key code, you can copy the key code to your clipboard and paste it into the Jepp CMax Extraction software.

To copy the CMax Key Code to clipboard, highlight the key code by dragging your mouse over the CMax key code with the left button depressed.

With the CMax Key Code highlighted, click on the

Generating a CMax Key Code

CMax Chart Data Update Procedures

1. The CMax Key Code will generate below.

The screenshot shows the Avidyne website's CMax Authorization page. The user is logged in as John Doe. The page has a navigation bar with links: HOME, ACCOUNT, CMAX, FLEX, CONTACT US, and MERCHANDISE. The main content area explains how to generate a CMax Key Code by entering a Jeppesen Software Serial Number. The serial number is entered as EXJ5-AB34-56DF-GH98. The generated CMax Key Code is 8jDGIbxig5xdylafe912BYV, which is highlighted in orange and circled in red. Below the key code, there is a note about minimizing error by copying the code to the clipboard.

https://www.myavidyne.com/Customer/cmax.asp

Home Feeds (3) Print Page Tools Help Create Mobile Favorite Messenger

Tuesday, June 05, 2007

AVIDYNE John Doe The Integrated Flight Deck Company

CMax Authorization

[HOME](#) [ACCOUNT](#) [CMAX](#) [FLEX](#) [CONTACT US](#) [MERCHANDISE](#)

To enable your CMax Account you must obtain a "KEY". The key is generated from your Jeppesen Software Serial Number.

To obtain your Jeppesen Software Serial Number, contact Jeppesen at 1 (800) 621 5377

Please enter your Jeppesen Software Serial Number below and press "Generate key Code". Be sure to enter your Jeppesen Software Serial Number without dashes or spaces. This number is also case-sensitive, so enter it exactly as issued by Jeppesen. The "Key" will appear in the field labeled: "CMax Key Code". **If your CMax Key Code begins with '#', be sure to include this symbol as part of your key.**

When you receive your Jeppesen chart data and software, you will also receive the CMax Data Extractor utility, which will use the key generated here from your Jeppesen Software Serial Number and MFD serial number to enable the downloading of the CMax data.

Aircraft Tail Number: N321AC
Unit Serial Number: 55555555
Jeppesen Software Serial Number: EXJ5-AB34-56DF-GH98

CMax Key Code: 8jDGIbxig5xdylafe912BYV

Aircraft Tail Number: N321AC
Unit Serial Number: 55555555
Jeppesen Software Serial Number: EXJ5-AB34-56DF-GH98

CMax Key Code: 8jDGIbxig5xdylafe912BYV

To minimize error with entering the CMax key code, you can copy the key code to your clipboard and paste it into the Jepp CMax Extraction software.

To copy the CMax Key Code to clipboard, highlight the key code by dragging your mouse over the CMax key code with the left button depressed.

With the CMax Key Code highlighted, click on the

Generating a CMax Key Code

CMax Chart Data Update Procedures

1. To save your CMax Key Code you can use the Copy to Clipboard function to copy and paste this CMax Key Code to either the Jeppesen Services Update Manager (JSUM) application or the Avidyne CMax Data Extractor application.
2. To Copy and Paste this CMax Key Code just highlight the key code by dragging you mouse over the CMax Key Code with the Left button depressed on the mouse.
3. With the CMax Key Code highlighted, click on the Copy to Clipboard button.

The screenshot shows a web browser window at the URL <https://www.myavidyne.com/Customer/cmax.asp>. The page contains instructions for generating a CMax Key Code. It asks the user to enter their Jeppesen Software Serial Number (e.g., 0005-AB34-56DF-GH98) and provides a 'Generate Key Code' button. Below this, the generated CMax Key Code is displayed as 8jDGIbxig5xdylafe912BvV, which is highlighted in orange. To the right of the key code, there are instructions on how to copy it to the clipboard and how to use it in the CMax Data Extractor application. At the bottom of the page, there are links for 'Logout', 'Privacy', 'Terms of Use Agreement', and 'Disclaimer', along with a copyright notice for Avidyne Corporation.

https://www.myavidyne.com/Customer/cmax.asp

To obtain your Jeppesen Software Serial Number, contact Jeppesen at 1 (800) 621 5377

Please enter your Jeppesen Software Serial Number below and press "Generate key Code". Be sure to enter your Jeppesen Software Serial Number without dashes or spaces. This number is also case-sensitive, so enter it exactly as issued by Jeppesen. The "Key" will appear in the field labeled: "CMax Key Code". **If your CMax Key Code begins with '#', be sure to include this symbol as part of your key.**

When you receive your Jeppesen chart data and software, you will also receive the CMax Data Extractor utility, which will use the key generated here from your Jeppesen Software Serial Number and MFD serial number to enable the downloading of the CMax data.

Aircraft Tail Number: N321AC
Unit Serial Number: 55555555
Jeppesen Software Serial Number: 0005-AB34-56DF-GH98

Generate Key Code

CMax Key Code: 8jDGIbxig5xdylafe912BvV

To minimize error with entering the CMax key code, you can copy the key code to your clipboard and paste it into the Jepp CMax Extraction software.

To copy the CMax Key Code to clipboard, highlight the key code by dragging your mouse over the CMax key code with the left button depressed.

With the CMax Key Code highlighted, click on the [Copy to Clipboard] button below.

When prompted to enter the CMax Key Code in the CMax Data Extractor, click on and hold the Control button and the letter 'V' button at the same time.

Copy to clipboard

Logout | Privacy | Terms of Use Agreement | Disclaimer
© 2005 Avidyne Corporation.

Formatting the Zip Disk/USB Flash Drive

CMax Chart Data Update Procedures

1. **Connect your Zip Drive Dataloader with the Zip Disk inserted into your USB port on your PC OR connect your USB Flash Memory Drive into your USB port on your PC.**
2. **Double left click the My Computer Icon on your PC Desktop.**



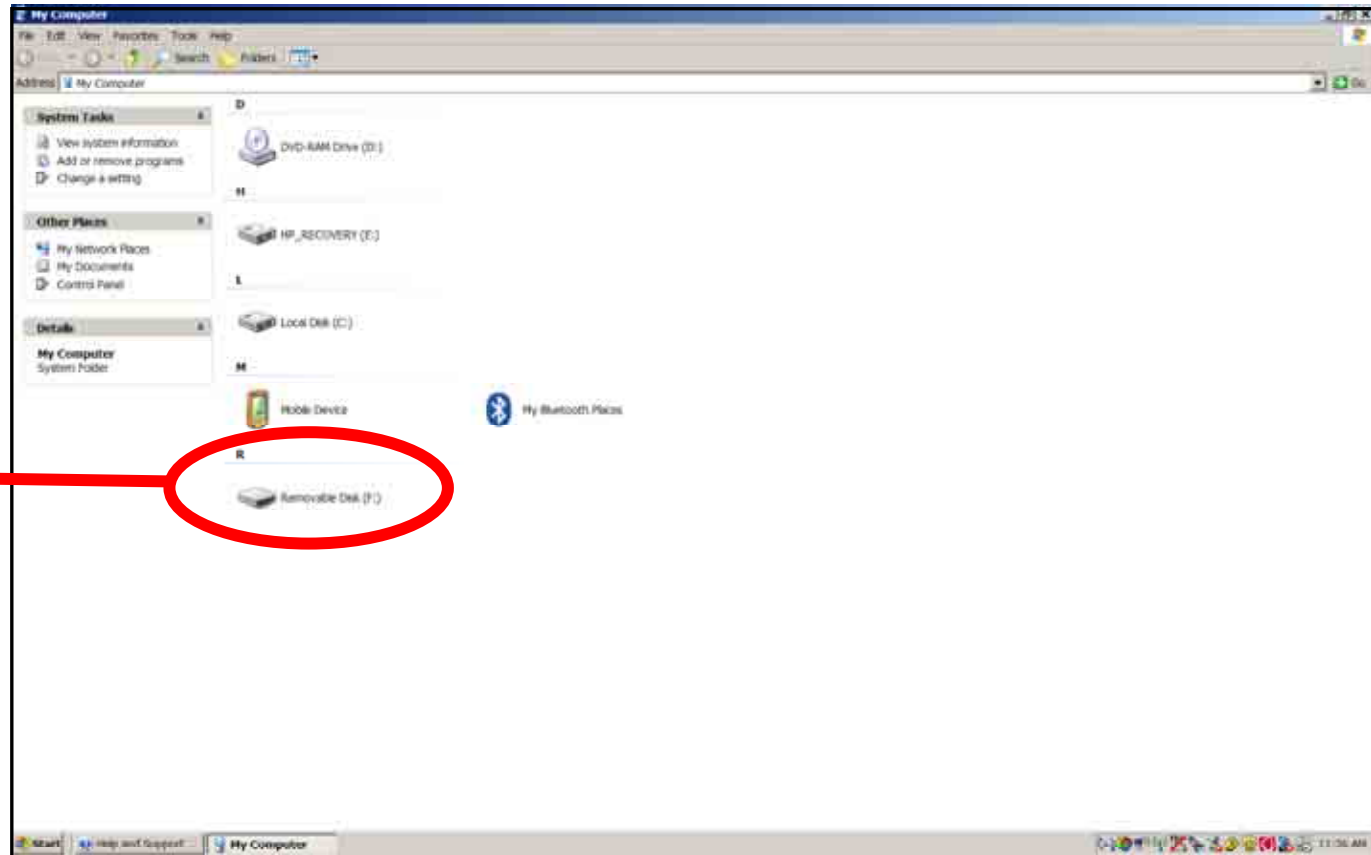
Formatting the Zip Disk/USB Flash Drive

CMax Chart Data Update Procedures

1. Right Click the Removable Disk () where your Zip Drive or USB Flash Memory Drive is connected to on your PC.



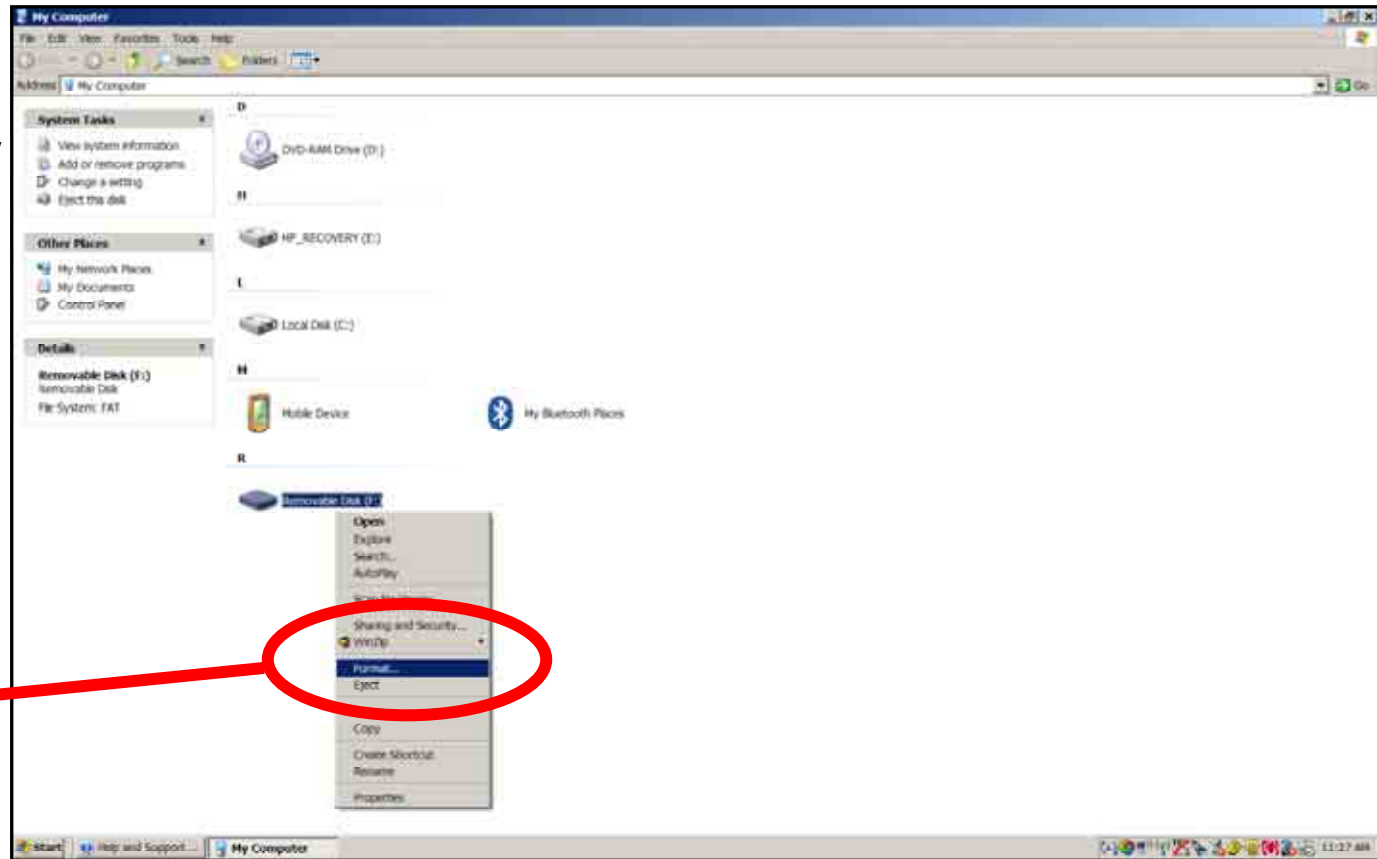
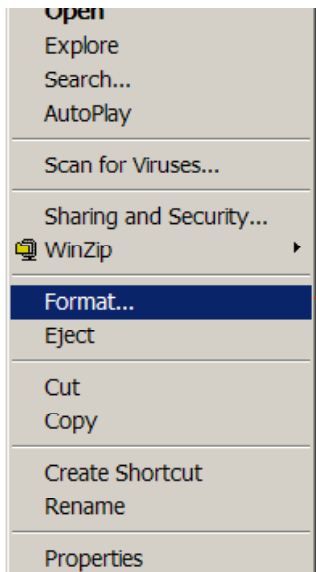
Removable Disk (F:)



Formatting the Zip Disk/USB Flash Drive

CMax Chart Data Update Procedures

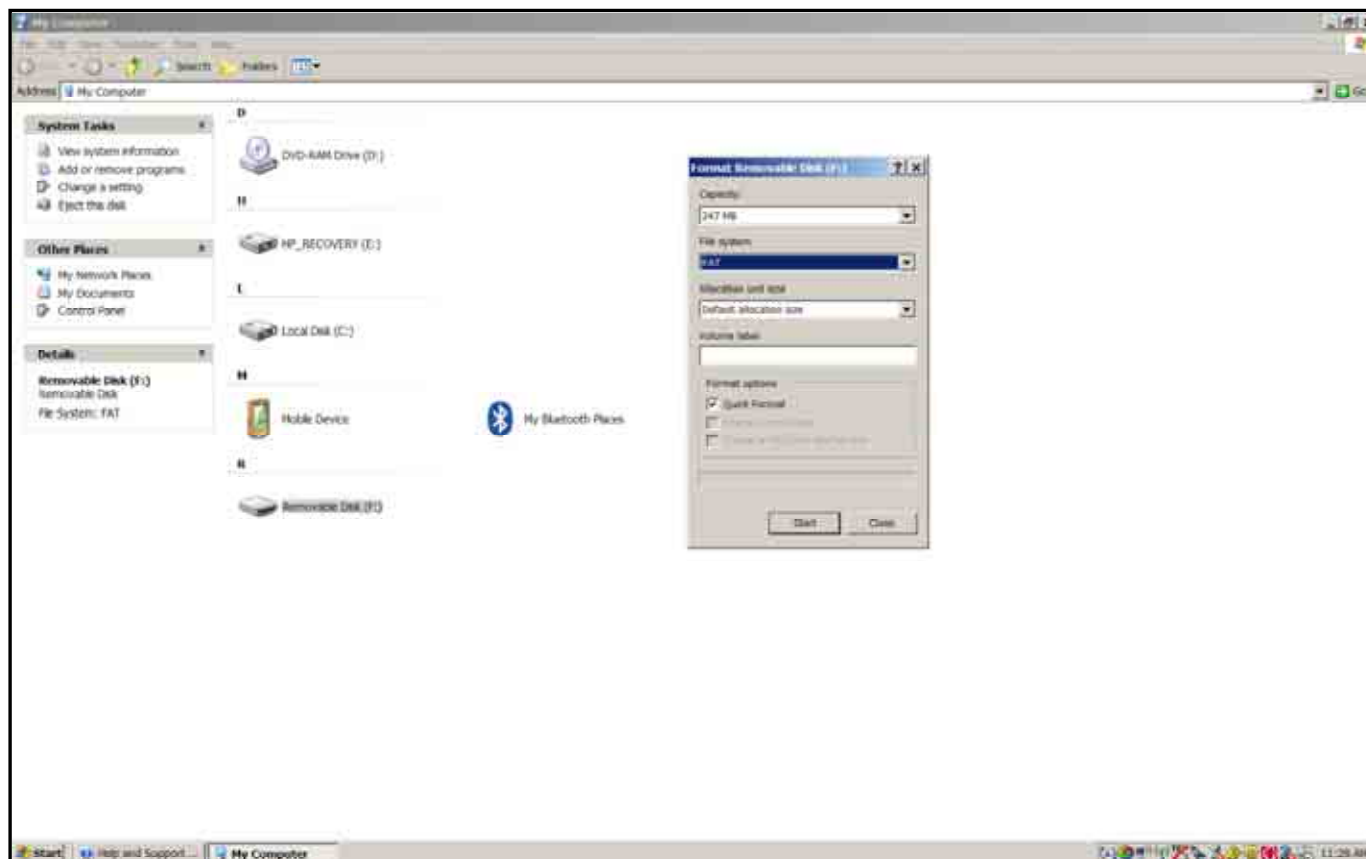
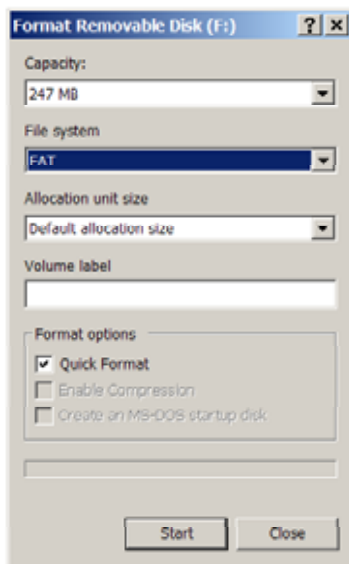
1. Right Click the Removable Disk () where your Zip Drive or USB Flash Memory Drive is connected to on your PC.
2. Then left click the option Format



Formatting the Zip Disk/USB Flash Drive

CMax Chart Data Update Procedures

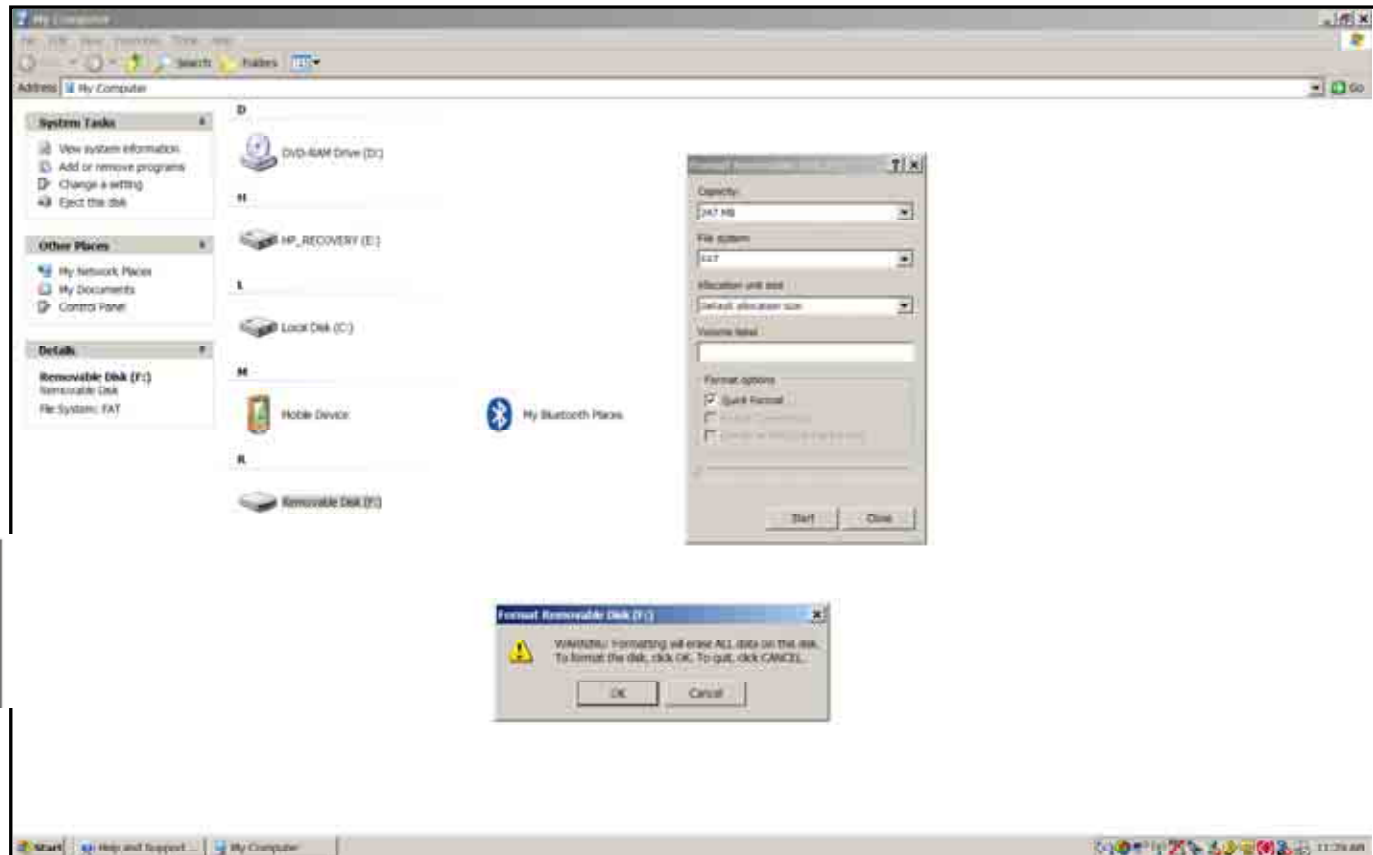
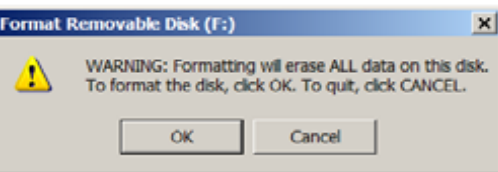
1. Then choose “FAT” under the File system selection.
2. Check Quick Format under Format Options.
3. Then click Start.



Formatting the Zip Disk/USB Flash Drive

CMax Chart Data Update Procedures

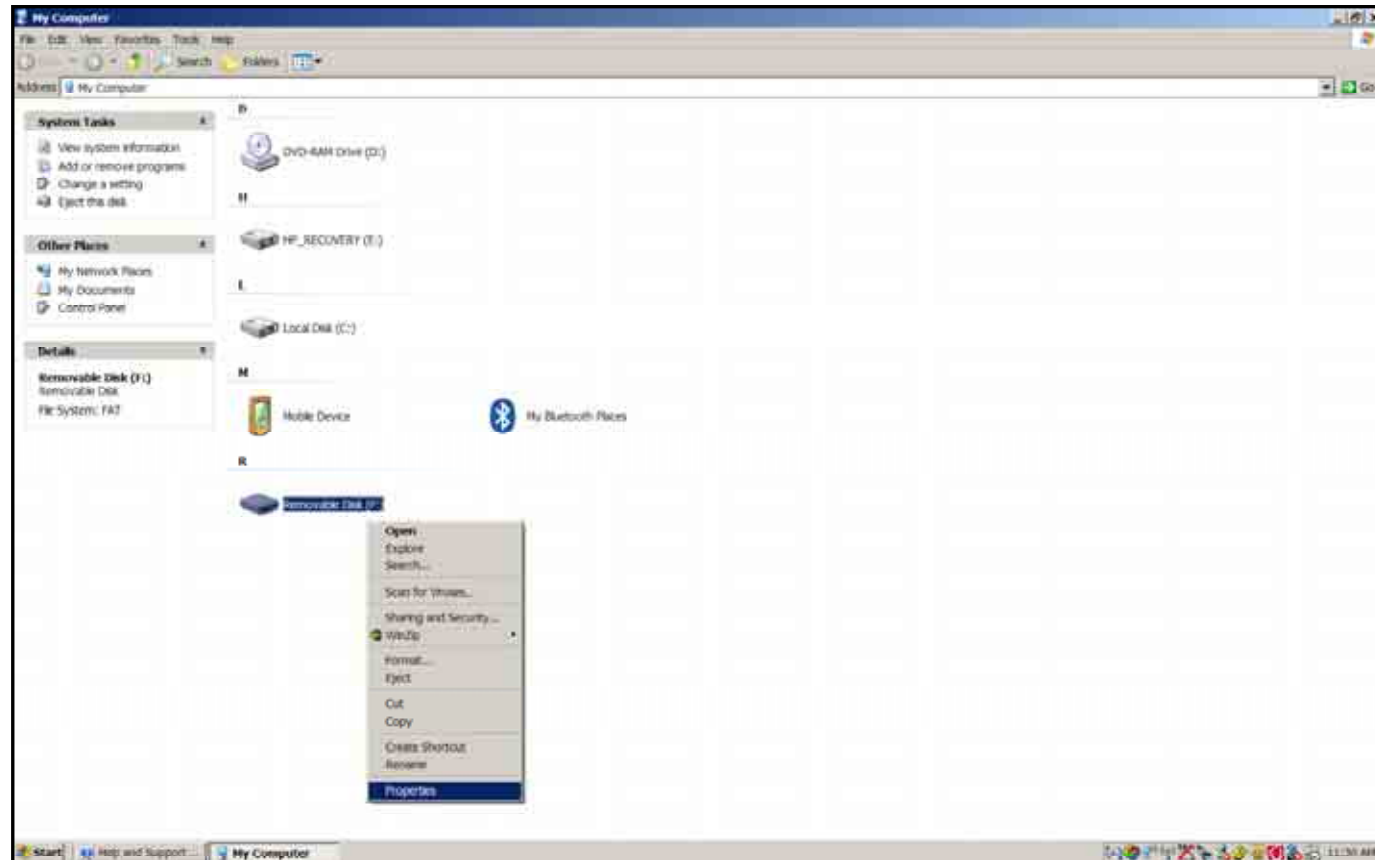
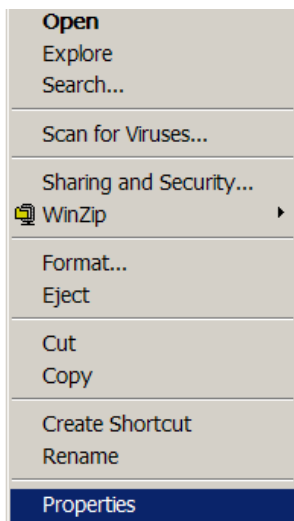
1. A Warning Box will display stating **“WARNING: Formatting will erase ALL data on this disk. To format the disk, click OK, To quit, click CANCEL”** You want to click **“OK”** to format and erase unnecessary data from the USB device.



Formatting the Zip Disk/USB Flash Drive

CMax Chart Data Update Procedures

1. Next you want to verify that your USB device is correctly Formatted and is cleared of all other Data.
2. Right click the Removable Disk (F:).
3. Then scroll down to Properties and then left click the Properties selection.

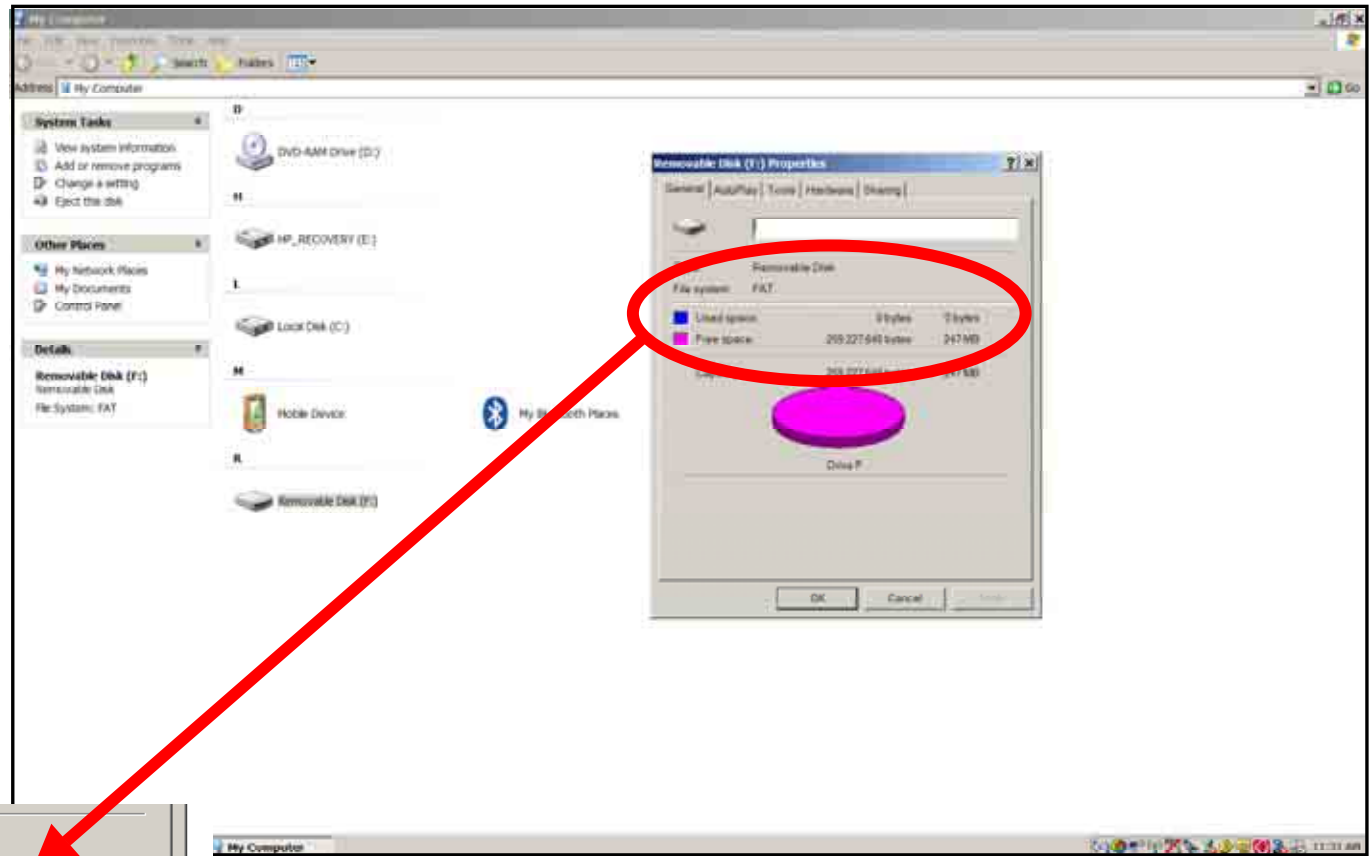


Formatting the Zip Disk/USB Flash Drive

CMax Chart Data Update Procedures

1. Verify under File system it shows "FAT"
2. Verify on Used space it shows 0 bytes.
3. If either File system shows other than "FAT" or under Used space it shows more than 0 bytes. Then re-format USB device again.

Note: Keep your USB Flash Memory Drive/Zip Drive connected to your PC for the next following steps



CMax Chart Data Update Procedures

Notes for Zip Disk users:

- **Avidyne recommends using a 250MB Zip drive and disk. The 250MB disk and drive will allow you to load Jeppesen chart subscription up to and including coverage of the entire United States and Canada.**
- **If your Zip drive ejects the Zip disk without reading the update, the most likely reason is that the disk has been formatted as “FAT 32.”**
- **Your Zip Disk must be in “FAT” format. If you purchase a Zip Disk that is formatted as “FAT 32,” you will need to reformat it.**
- **When you reformat the disk, you MUST select the “FAT” file system as a format option. Windows XP defaults to “FAT 32”, which is not compatible with the EX500 or EX5000.**
- **For Iomega Zip Disk Users: Do not install the Iomega Tools disk on your PC. The Iomega tools will not allow you to use the “FAT” file system format. If you already have the Iomega tools installed, uninstall them.**

USB Flash Memory Drive Users

CMax Chart Data Update Procedures

Notes for USB Flash Memory users:

- Due to system constraints, you cannot download both CMax Chart Data and NavData on the same USB Flash Memory device at the same time. Therefore, Avidyne suggests that you keep one USB Flash memory drive for CMax and another for NavData (and, if your aircraft is equipped with EMax, one more USB device to load EMax data from your MFD to the PC.
- Many USB Flash Memory Drives are now delivered with U3 Launchpad installed. This application, from U3, prevents any Jeppesen data (CMax Charts) from loading. If your USB Flash Memory Drive has U3 Launchpad, you must uninstall it. For information about uninstalling U3 Launchpad, see www.u3.com/support/ or www.u3.com/uninstall/.
- Avidyne recommends using a USB 2.0 Flash Memory Drive with a size of 128MB, 256MB, or 512MB for Nav Data updates and a USB 2.0 Flash Memory Drive with a size of 256MB or 512MB for CMax Chart Data. Avidyne recommends not using a 1GB USB Memory Drive or larger for Nav Data updates or CMax. Please visit www.avidyne.com/products/USB%20flash%20support.pdf for a complete list of Avidyne tested USB 2.0 Flash Memory devices.

Updating CMax Chart Data by JSUM

CMax Chart Data Update Procedures

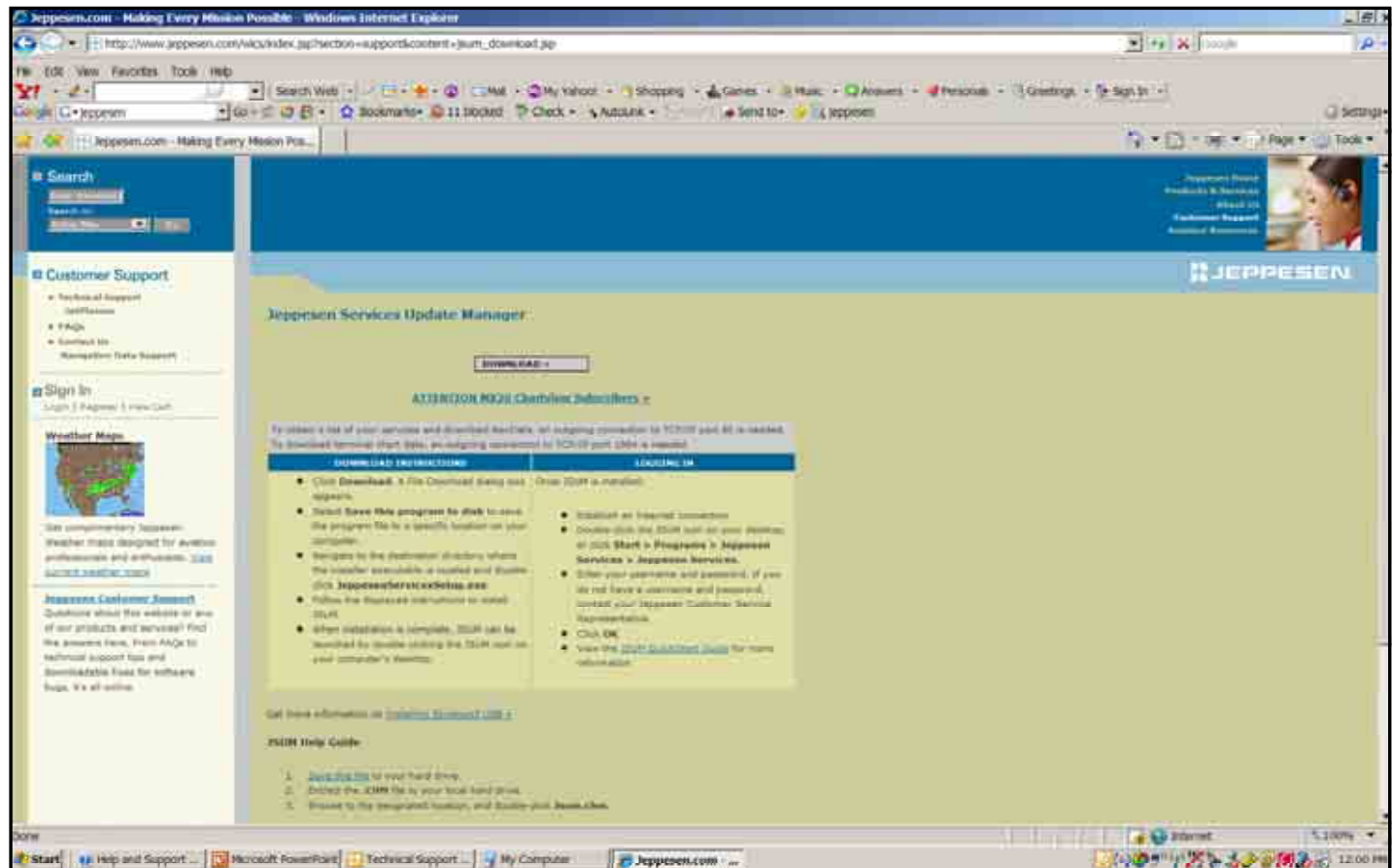
1. After you have ordered your Jeppesen Electronic Chart Data updates.
2. Then visit Jeppesen website to download Jeppesen's latest version of Jeppesen Services Update Manager (JSUM) application.



Updating CMax Chart Data by JSUM

CMax Chart Data Update Procedures

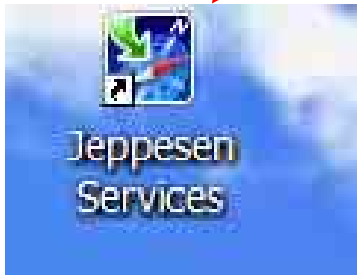
1. Remember to always download the latest version of the Jeppesen Services Update Manager (JSUM) on to your PC.



Updating CMax Chart Data by JSUM

CMax Chart Data Update Procedures

1. You should have a Jeppesen Services icon located on your PC desktop to be able to log into JSUM.



Updating CMax Chart Data by JSUM

CMax Chart Data Update Procedures

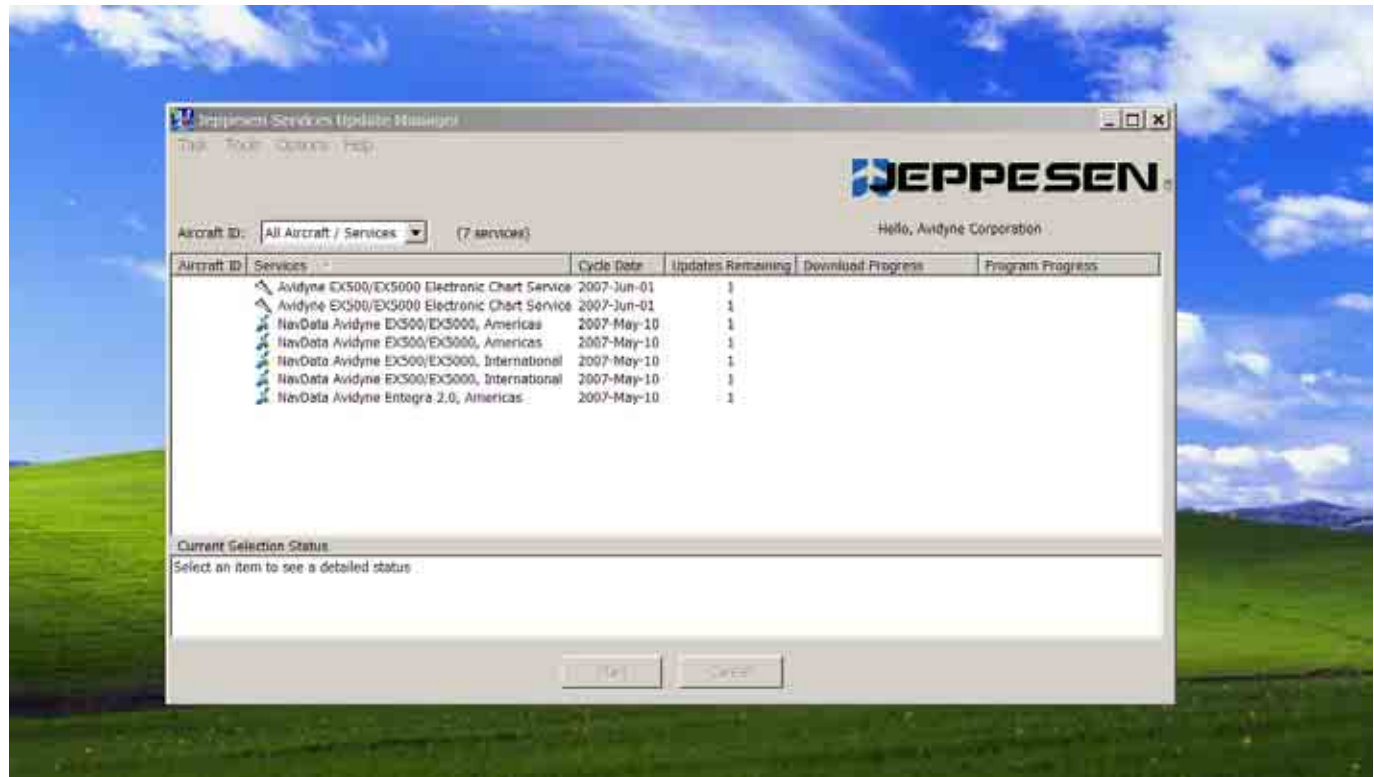
1. Next located your JSUM Username and Password you have written down and log into JSUM.



Updating CMax Chart Data by JSUM

CMax Chart Data Update Procedures

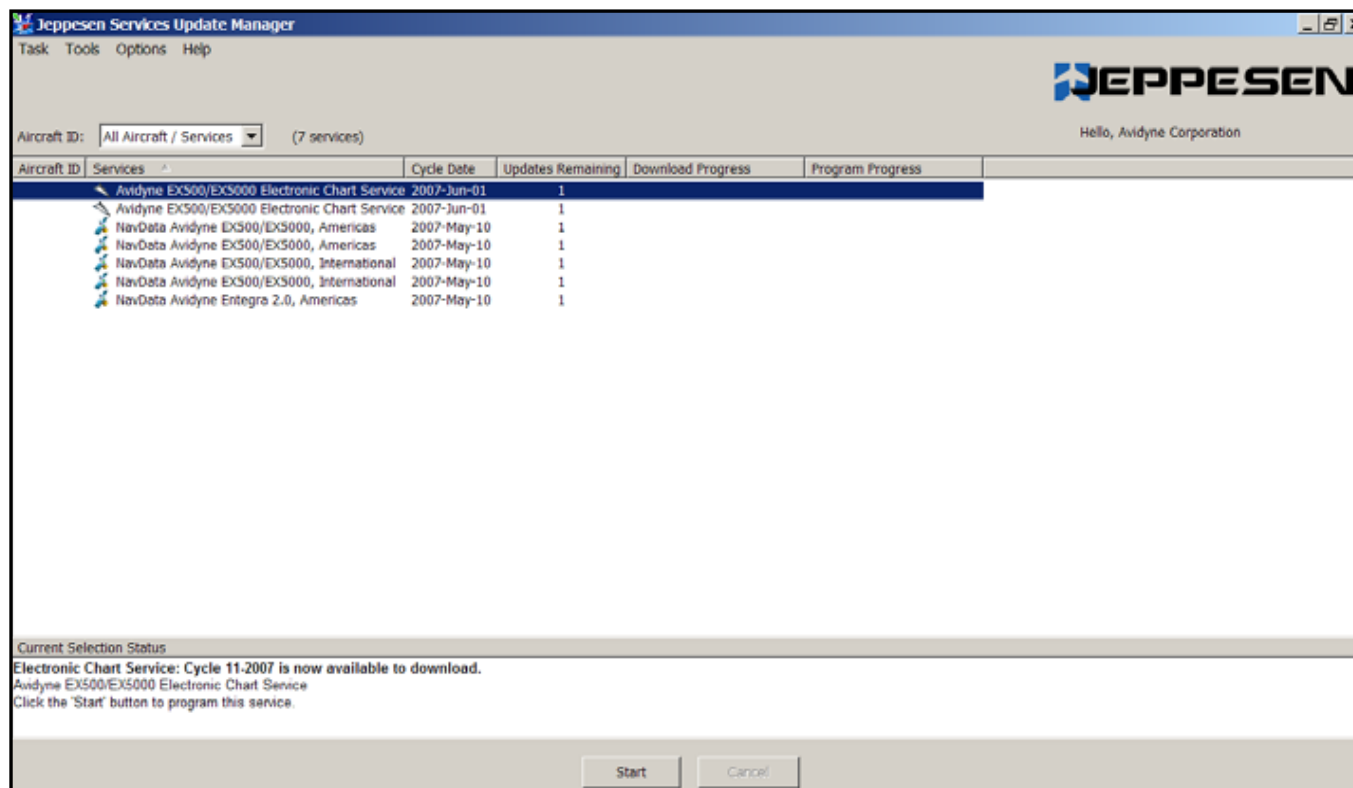
1. All your current Jeppesen subscriptions for your Avidyne MFDs will be shown.



Updating CMax Chart Data by JSUM

CMax Chart Data Update Procedures

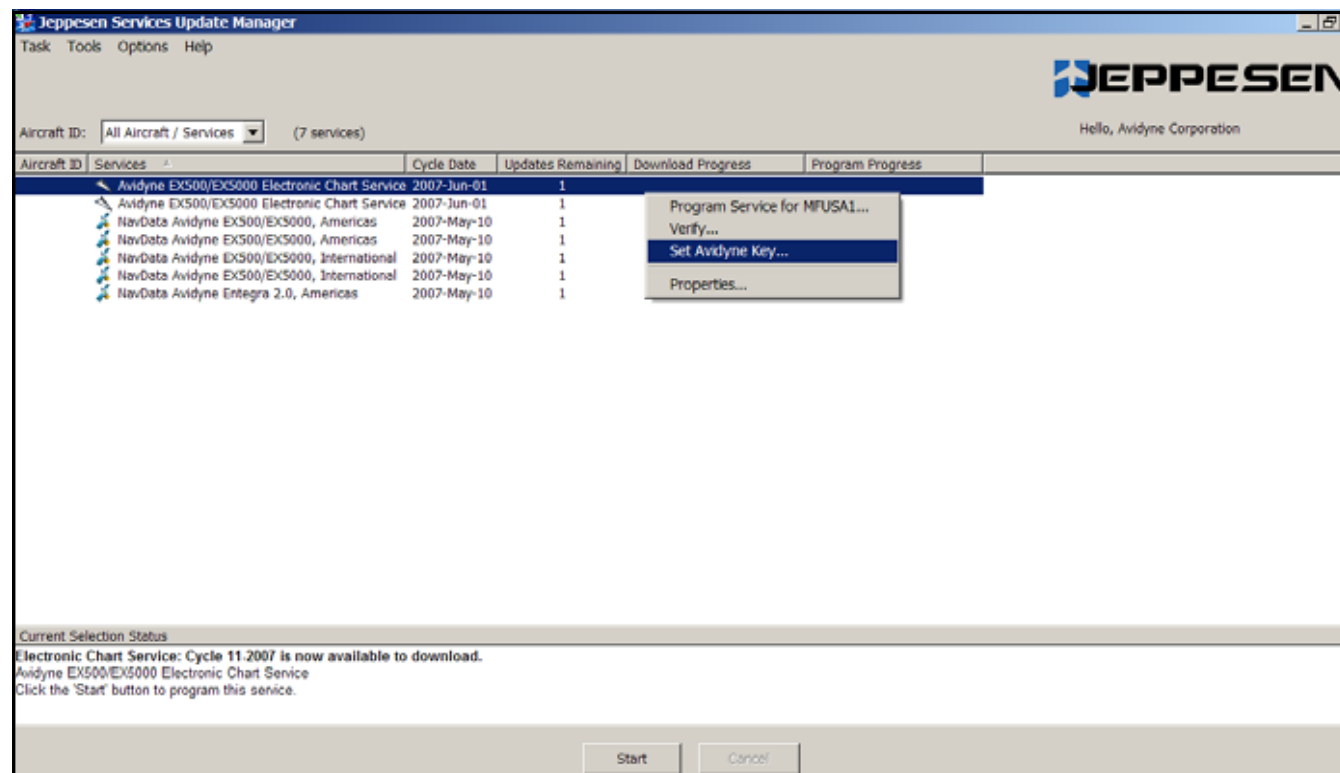
1. **Select the Avidyne EX500/EX5000 Electronic Chart Service to download to your USB Flash Memory Drive/Zip Drive already connected to your PC.**



Updating CMax Chart Data by JSUM

CMax Chart Data Update Procedures

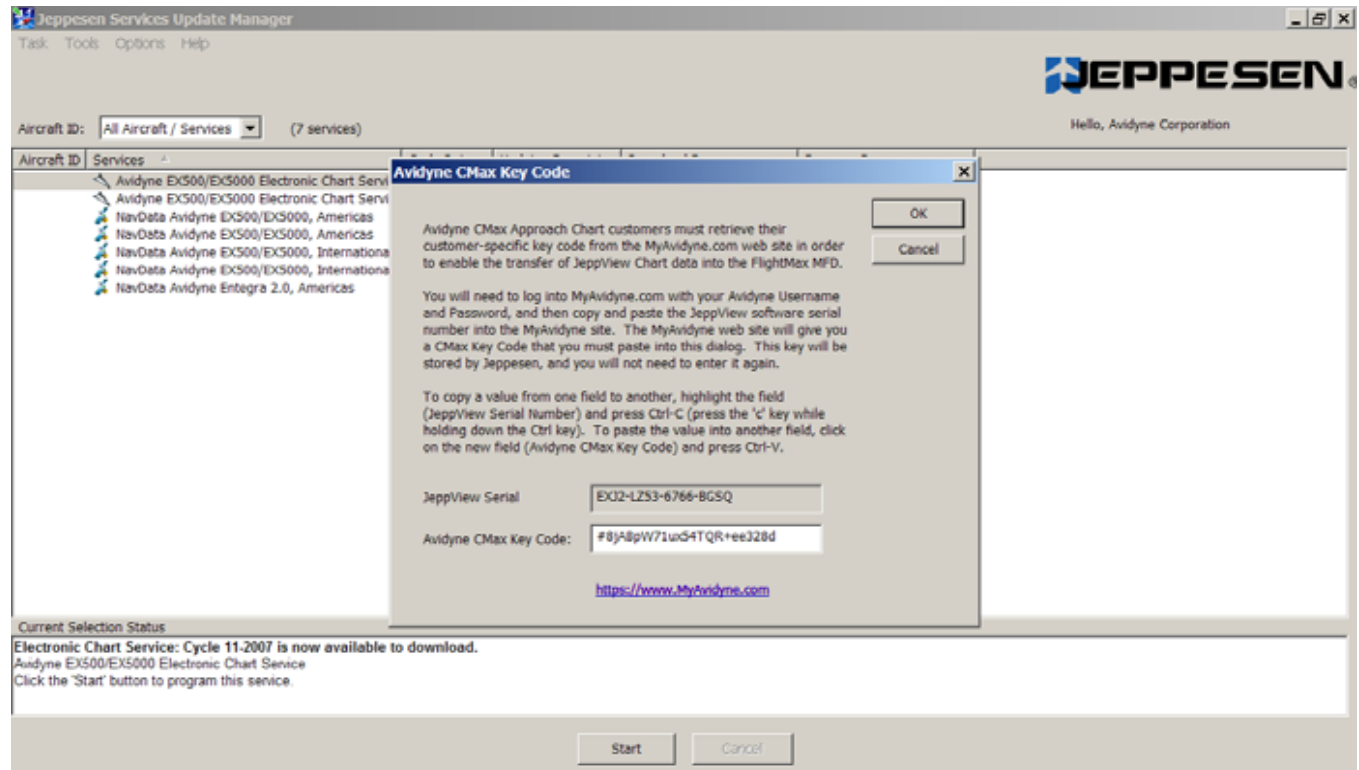
1. To enter your Avidyne CMax Key Code into JSUM, highlight your Avidyne EX500/EX5000 Electronic Chart Service subscription and right click and select Set Avidyne Key.



Updating CMax Chart Data by JSUM

CMax Chart Data Update Procedures

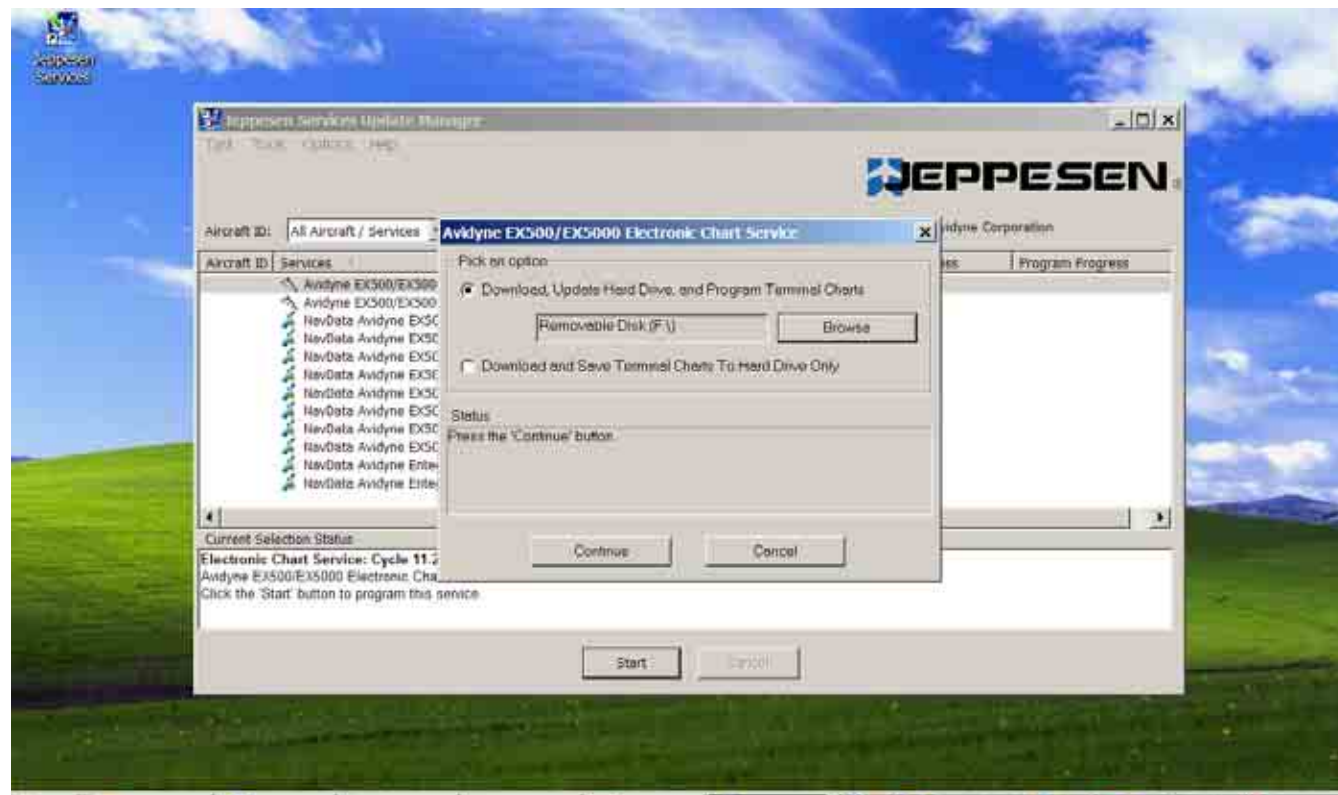
1. Verify your Jeppesen Software Serial Number is correct.
2. Then right click the Avidyne CMax Key Code box and paste your Avidyne CMax Key Code that you copied from the www.MyAvidyne.com website.
3. Then click OK.



Updating CMax Chart Data by JSUM

CMax Chart Data Update Procedures

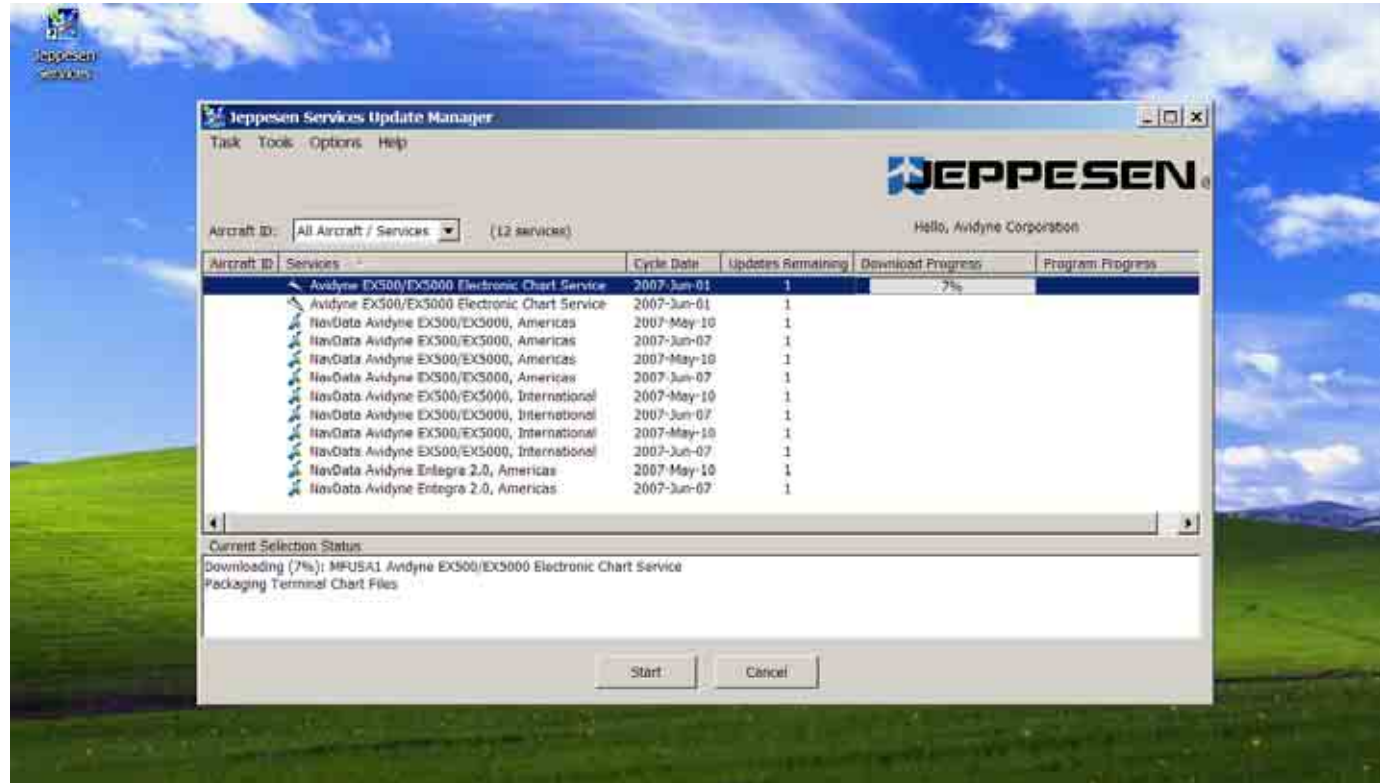
1. Select the Download and Program Now option.
2. Next Browse for your “Removable Disk” drive where your USB Flash Memory Drive/Zip Drive is connected too.
3. Then click Continue.
4. Then click Start.



Updating CMax Chart Data by JSUM

CMax Chart Data Update Procedures

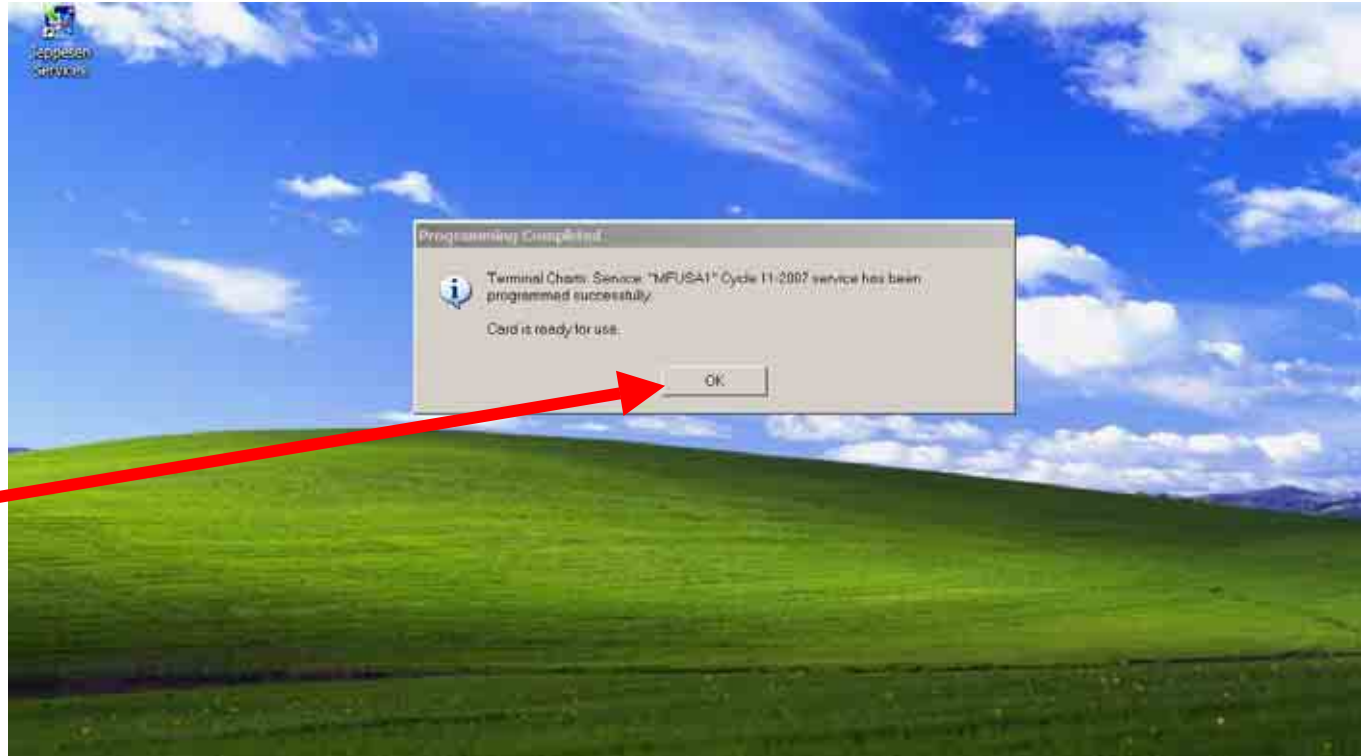
1. The Avidyne EX500/EX5000 Electronic Chart Service will start to download unto your USB Flash Memory Drive/Zip Drive.



Updating CMax Chart Data by JSUM

CMax Chart Data Update Procedures

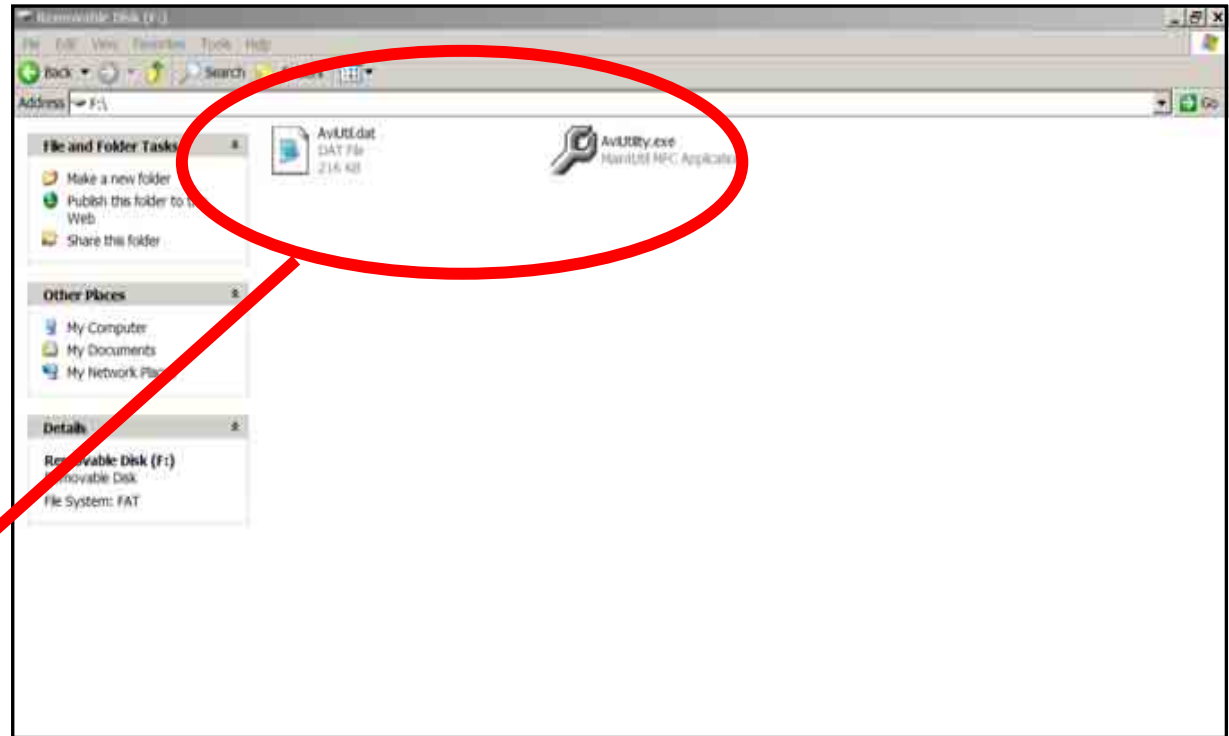
1. Once the Avidyne EX500/EX5000 Electronic Chart Service Updates have been downloaded successfully into your USB Flash Memory Drive/Zip Drive you will receive the following message "Programming Completed". Click OK



Updating CMax Chart Data by JSUM

CMax Chart Data Update Procedures

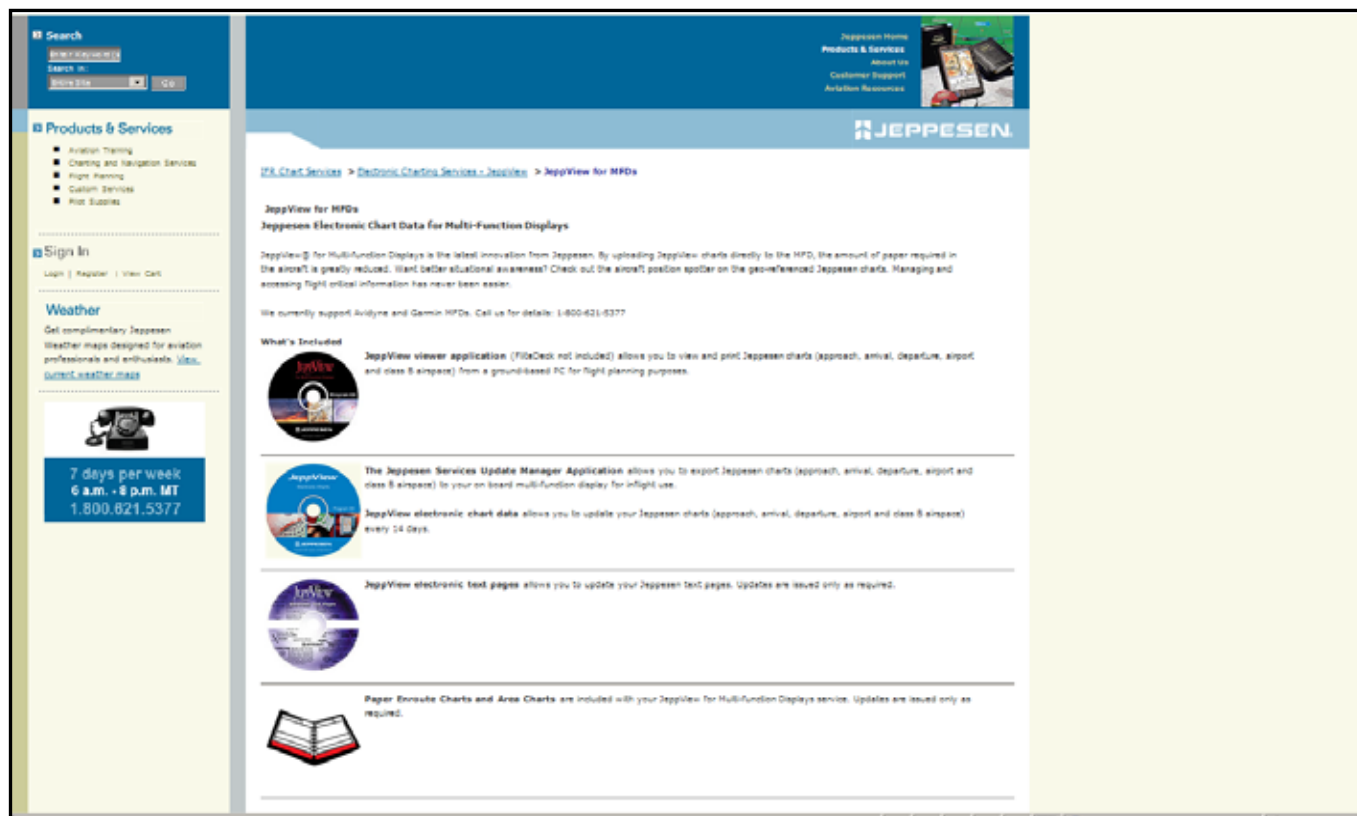
1. After downloading the Jeppesen Electronic Chart Data update to your USB Flash Memory Drive/Zip Drive. Then go to MyComputer icon on your Desktop and right click your Removable Disk drive where your USB device is connected and right click to "Properties".
2. Verify you see these two files on your Removable Disk drive AviUtil.dat and AviUtility.exe. If not download again.
3. Then disconnect your USB Flash Memory Drive/Zip Drive from your PC and take it out to your Aircraft to upload the CMax Chart Data updates to your Avidyne MFD.



Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

1. Once you've placed your CD order with Jeppesen for the Electronic Chart Service updates for your Avidyne MFDs



Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

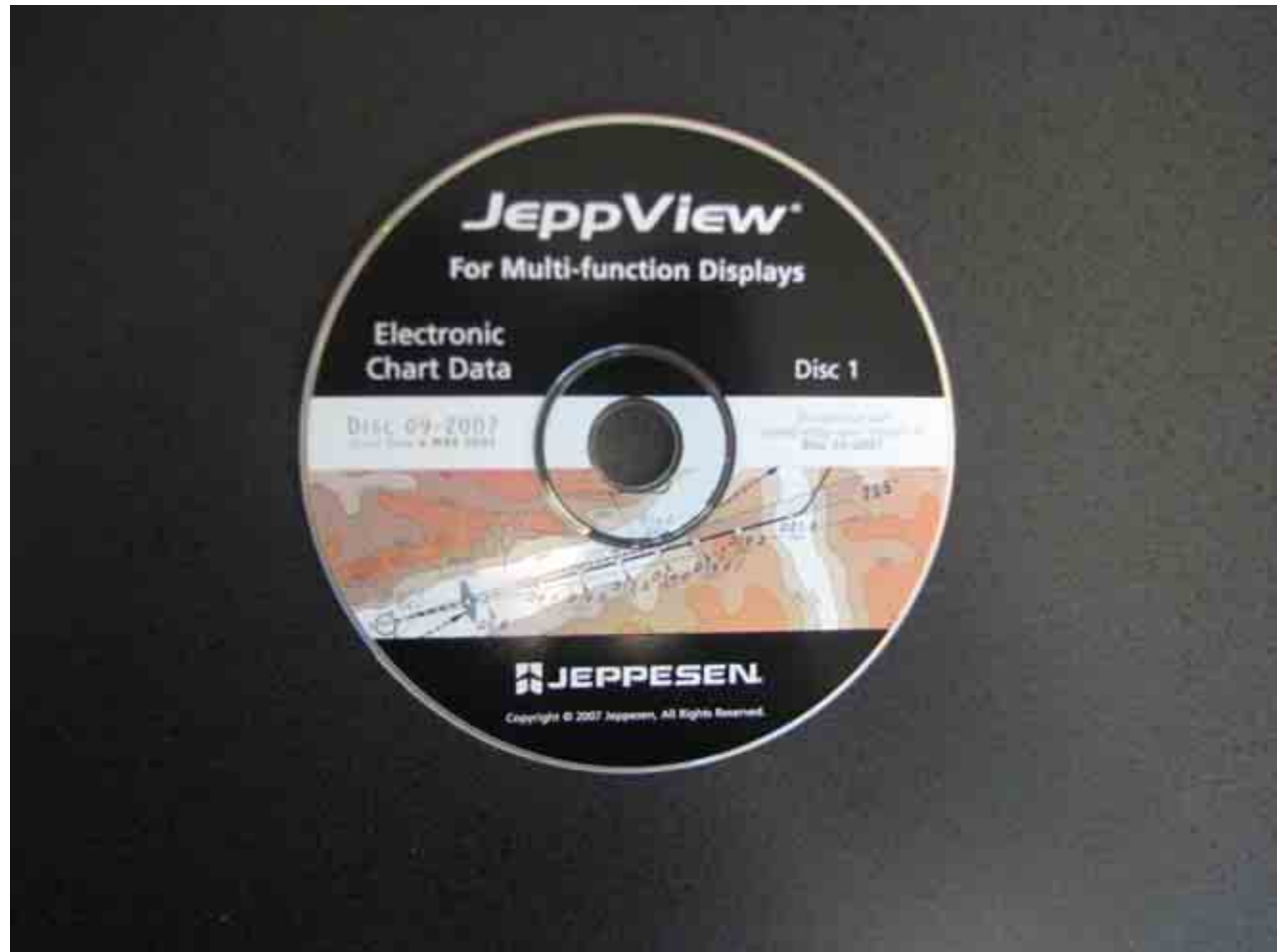
1. You will receive your Jeppesen Electronic Chart Data updates CDs by mail.



Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

1. First, verify that your “FAT” formatted USB Flash Memory Drive/Zip Drive is still connected to your PC.
2. Next, take your Jeppesen Electronic Chart Data Disc 1 CD and insert it into your PC.



Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

1. Next go to www.Myavidyne.com
2. Then to Return Account Users section and log in using your saved User ID and Password and Click Login.
3. Then select the CMax menu.

The screenshot shows the Avidyne website interface. At the top left is the Avidyne logo, and at the top right is the tagline 'The Integrated Flight Deck Company'. The page is divided into three main sections. The left section has a 'FlightCenter Flight Associate' box with a 'Login Here' button, and a 'New Account Signup' box with the text 'Register Your Warranty and Open Your Account' and an 'Enroll Now' button. The middle section contains a list of services: 'Multilink Service', 'FLEX Extended Warranty Service', 'Text Messaging', 'Flight Tracking', and 'CMAX Management', followed by a link to 'www.Avidyne.com'. The right section is for 'Return Account Users', featuring input fields for 'User ID:' and 'Password: (case sensitive)', a 'Login' button, a checkbox for 'Remember my User Name and Password.', and a 'User ID & Password Help' link.

AVIDYNE
The Integrated Flight Deck Company

FlightCenter Flight Associate
Login Here

New Account Signup
Register Your Warranty and Open Your Account
Enroll Now

MyAvidyne.com is your direct line to Avidyne and to the many services available for your aircraft including:

- Multilink Service
- FLEX Extended Warranty Service
- Text Messaging
- Flight Tracking
- CMAX Management

For more information on these services and products offered by Avidyne, please visit: www.Avidyne.com

Return Account Users
User ID:
Password: (case sensitive)
Login
☐ Remember my User Name and Password.
User ID & Password Help

Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

1. To save your CMax Key Code you can use the Copy to Clipboard function to copy and paste this CMax Key Code to either the Jeppesen Services Update Manager (JSUM) application or the Avidyne CMax Data Extractor application.
2. To Copy and Paste this CMax Key Code just highlight the key code by dragging you mouse over the CMax Key Code with the Left button depressed on the mouse.
3. With the CMax Key Code highlighted, click on the Copy to Clipboard button.

The screenshot shows a web browser window at the URL <https://www.myavidyne.com/Customer/cmax.asp>. The page header includes the Avidyne logo, the user name "John Doe", and the date "Tuesday, June 05, 2007". The main heading is "CMax Authorization". Below this is a navigation bar with links: HOME, ACCOUNT, CMAX, FLEX, CONTACT US, and MERCHANDISE. The CMAX section contains instructions on how to obtain a CMax Key Code. It states that the key is generated from the Jeppesen Software Serial Number and provides a form to enter this number. The form shows the serial number "005-AB34-56DF-GH98" and a "Generate Key Code" button. Below the button, the generated CMax Key Code is displayed as "8jDGTbxig5xdylafe912BVV". The page also includes instructions on how to copy the key code to the clipboard and use it in the Jeppesen Services Update Manager (JSUM) application or the Avidyne CMax Data Extractor application.

https://www.myavidyne.com/Customer/cmax.asp

Home Feeds (3) Print Page Tools Help Create Mobile Favorite Messenger

AVIDYNE John Doe Tuesday, June 05, 2007
The Integrated Flight Deck Company

CMax Authorization

HOME ACCOUNT **CMAX** FLEX CONTACT US MERCHANDISE

To enable your CMax Account you must obtain a "KEY". The key is generated from your Jeppesen Software Serial Number.

To obtain your Jeppesen Software Serial Number, contact Jeppesen at 1 (800) 621 5377

Please enter your Jeppesen Software Serial Number below and press "Generate key Code". Be sure to enter your Jeppesen Software Serial Number without dashes or spaces. This number is also case-sensitive, so enter it exactly as issued by Jeppesen. The "Key" will appear in the field labeled: "CMax Key Code". **If your CMax Key Code begins with '#', be sure to include this symbol as part of your key.**

When you receive your Jeppesen chart data and software, you will also receive the CMax Data Extractor utility, which will use the key generated here from your Jeppesen Software Serial Number and MFD serial number to enable the downloading of the CMax data.

Aircraft Tail Number: N321AC
Unit Serial Number: 55555555
Jeppesen Software Serial Number: 005-AB34-56DF-GH98

Generate Key Code

CMax Key Code: 8jDGTbxig5xdylafe912BVV

To minimize error with entering the CMax key code, you can copy the key code to your clipboard and paste it into the Jepp CMax Extraction software.

To copy the CMax Key Code to clipboard, highlight the key code by dragging your mouse over the CMax key code with the left button depressed.

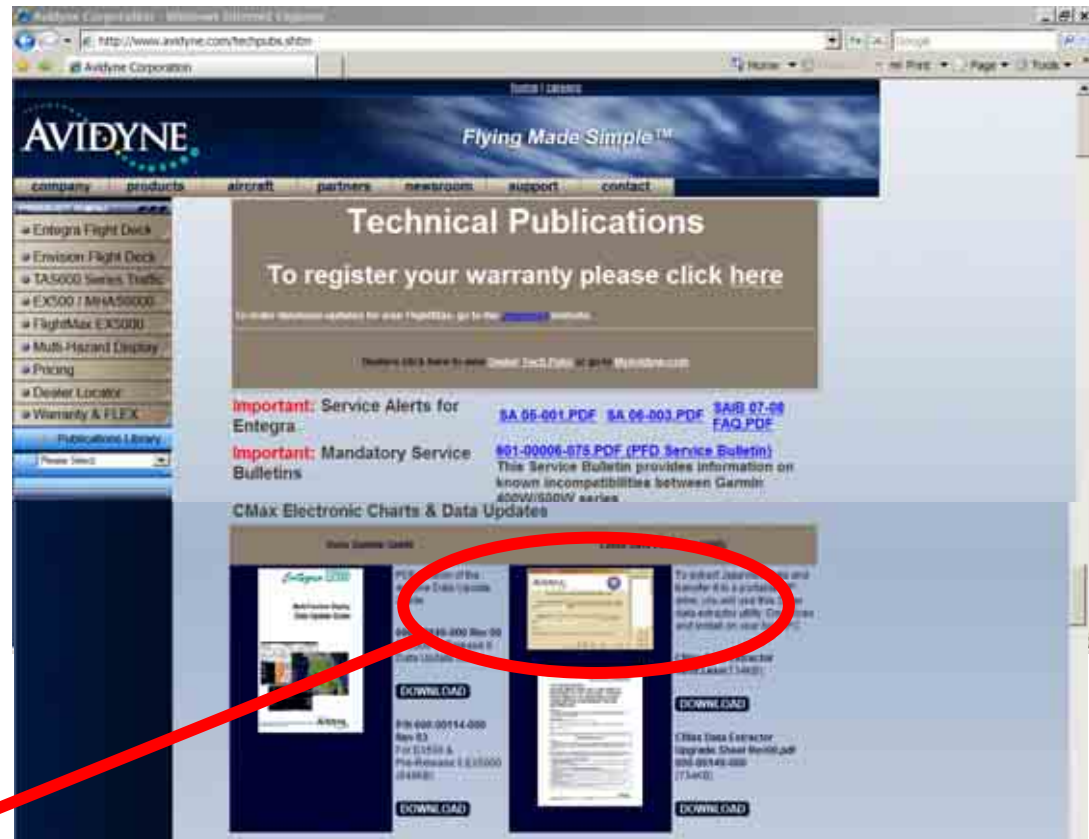
With the CMax Key Code highlighted, click on the

Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

Avidyne CMax Data Extractor

1. To transfer your Jeppesen Electronic Charts Data updates on CDs to your USB Flash Memory Drive/Zip Drive you need to run the Avidyne CMax Data Extractor application.
2. The Avidyne CMax Data Extractor can self start when installing the Jeppesen Electronic Chart Data Disk 1 CD.
3. Also, you can open the Avidyne CMax Data Extractor by going to www.Avidyne.com and then to Product/Publication Library menu:
www.avidyne.co/techpubs.shtm



Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

Avidyne CMax Data Extractor

1. Follow these set of instructions to download the CMax Data Extractor off Avidyne's website www.Avidyne.com which is located in the Product/Publication Library menu: www.avidyne.co/techpubs.shtml

Downloading CMax Data Extractor 1.2.0

Description

The CMax Data Extractor will automatically be updated by your JeppView Data Update CD-ROM. However, there may be a transition period between the availability of Release 6 MFD software and the Jeppesen CD update. For this case and also for users who may have extra or alternate installations of the CMax Data Extractor, follow these instructions.

To determine the version of the CMax Data Extractor currently installed on your PC, follow the normal procedures to start the CMax Data Extractor. When the CMax Data Extractor window is open, observe the version number at the top of the window. If it is not 1.2.0, you must install the new version for compatibility with MFD Release 6.

Downloading and installing the CMax Data Extractor

1. Find the installation location of your CMax Data Extractor. For regular JeppView3 installations, this is typically in C:\jeppesen\JeppView3\Extractor.
2. Delete all files in this folder EXCEPT extractor.cfg. This file stores your subscription number so you do not need to re-enter it.
3. Use an internet browser to visit <http://www.avidyne.com/techpubs.shtml>
4. Copy or download the self-extracting zipped file "CMax Data Extractor 570-00019-000 Rev 03.exe" to the folder referenced above.
5. Double-click on "CMax Data Extractor 570-00019-000 Rev 03.exe" to start the installation process. Click the "Unzip" button to extract the files.
6. The installation utility should report "7 file(s) unzipped successfully". Click "OK" to proceed. Click "Close" to close the installer utility.
7. Double-click on "AviJeppDataExtractor.exe" to start the CMax Data Extractor. Verify that the version number at the top of the window is 1.2.0.
8. Once the new version of the CMax Data Extractor is installed, you may delete the installation file "CMax Data Extractor 570-00019-000 Rev 03.exe" that you downloaded in Step 4.

Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

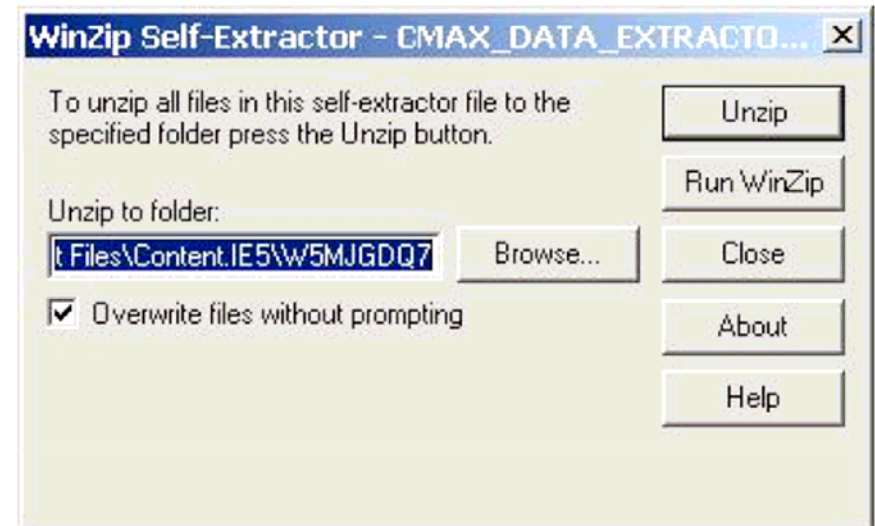
Avidyne CMax Data Extractor

► To download and install the Data Extractor

- 1) On your PC, find the directory that contains the CMax Data Extractor. For regular JeppView3 installations, this is typically C:\jeppesen\JeppView3\Extractor.
- 2) Delete all of the files in this folder **except** extractor.cfg. This configuration file stores your subscription number so you do not need to re-enter it.
- 3) From your PC, open an internet browser window and go to www.avidyne.com/techpubs.shtm
- 4) Under CMax Data Extractor Utility, click *Download*. The WinZip Self Extractor begins the download and the WinZip Self Extractor window displays:
- 5) Click *Browse* and browse to the original file location (C:\jeppesen\JeppView3\Extractor) or to another location that you select, and click *Unzip*.

Note: If you install the CMax Data Extractor to a different location, be sure to copy the extractor.cfg file to your new location.

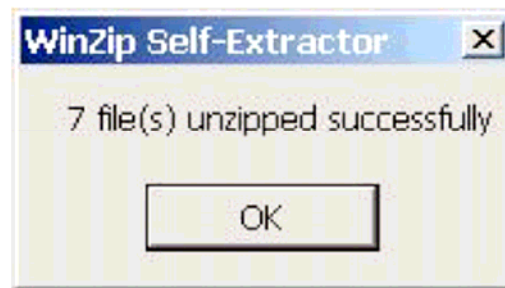
- 6) The WinZip Self Extractor will run and the following window should display:



Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

Avidyne CMax Data Extractor



- 7) Click *OK* to close this window and then click *Close* to close the WinZip Self Extractor.
- 8) Open a Windows explorer window and browse to the location where you installed the new files. Double-click on *AviJeppDataExtractor.exe* (or *AviJeppDataExtractor*) to start the CMax Data Extractor. Verify that the version number at the top of the window is 1.2.0.
- 9) At this point, you may want to create a desktop shortcut to the CMax Data Extractor utility, as described in the following section.

Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

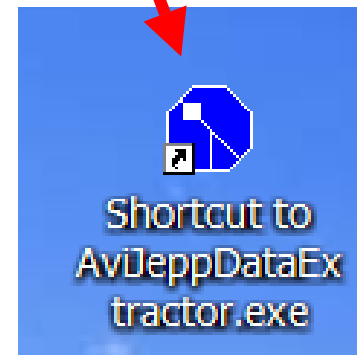
Avidyne CMax Data Extractor

Creating a Desktop Shortcut

To make the CMax Data Extractor easy to find, Avidyne suggests that you create a desktop shortcut.

To do so:

- 1) From an Explorer window, browse to the location where you extracted the CMax Data Extractor files.
- 2) Right-click on `AviJeppDataExtractor.exe` (or `AviJeppDataExtractor`).
- 3) From the right-click menu, select *Create Shortcut*.
- 4) A file called ***Shortcut to AviJeppDataExtractor.exe*** is created in the same directory.
- 5) Move the ***Shortcut to AviJeppDataExtractor.exe*** file from the directory to your desktop. You can now double-click on the shortcut to start the CMax Data Extractor.

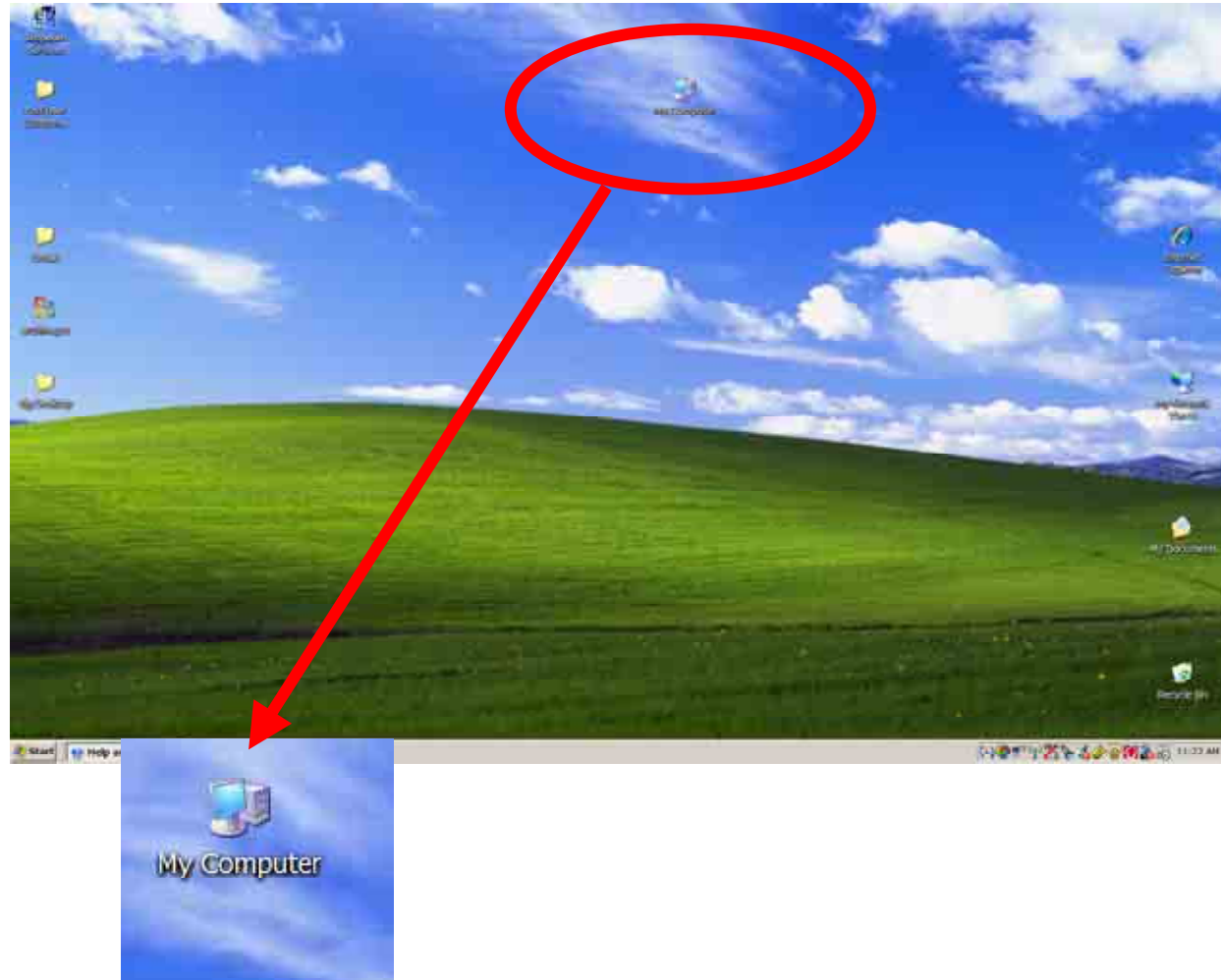


Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

Avidyne CMax Data Extractor

1. You can also open the Avidyne CMax Data Extractor by first opening your MyComputer icon on your PC Desktop.

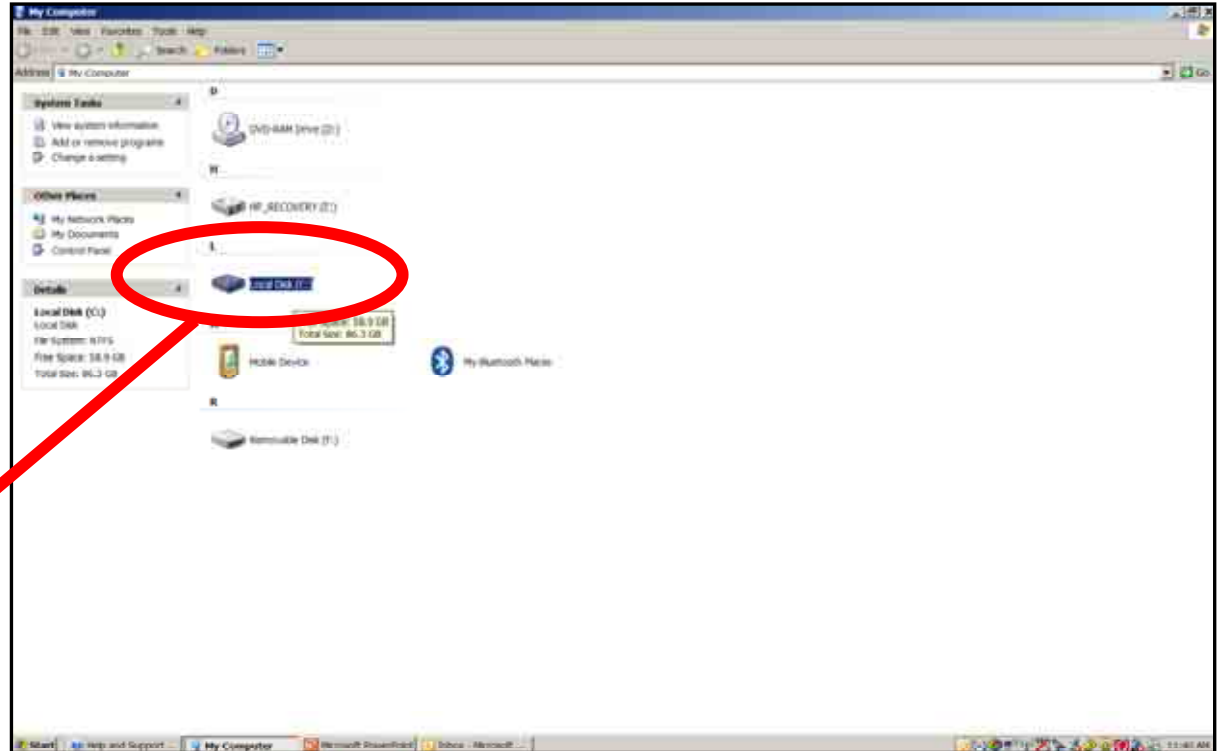


Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

Avidyne CMax Data Extractor

1. Then select and open your Local Disk (C:).

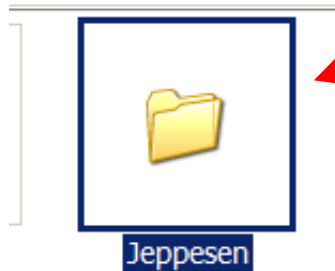


Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

Avidyne CMax Data Extractor

1. Then select and open the Jeppesen folder.

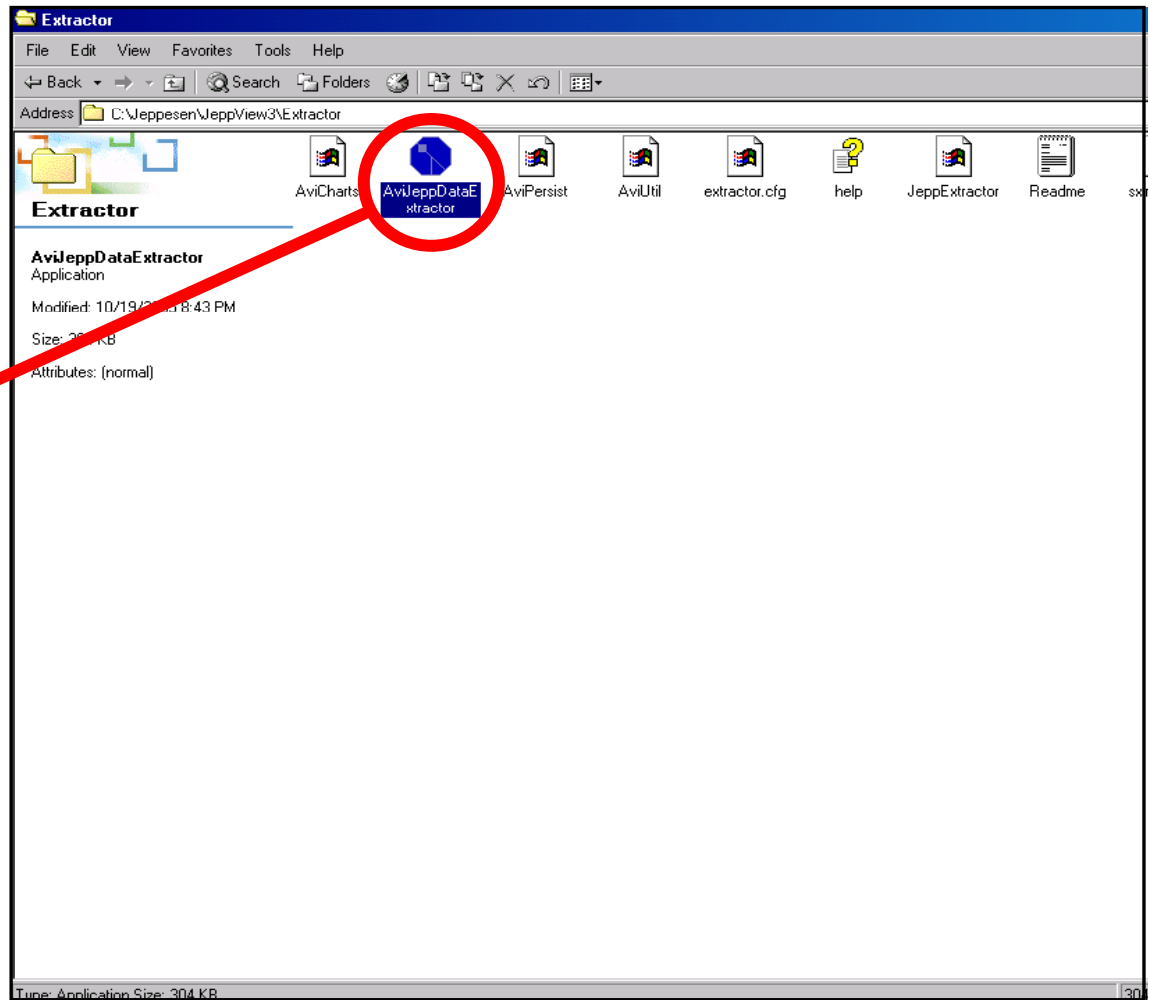


Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

Avidyne CMax Data Extractor

1. Then select and open the **AviJeppDataExtractor** program.



Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

Jeppesen Serial Number from your subscription. This can be copied and pasted from your login on www.MyAvidyne.com

Avidyne CMax Data Extractor

Avidyne CMax Data Extractor v1.2.0

Enter Jeppesen Serial Number and Avidyne key

Jeppesen Serial Number: This 16-character number is issued by Jeppesen after you subscribe to Jeppesen Electronic Terminal Charts (case-sensitive, no dashes or spaces). Example: EXJ11GZ6JFGGABCD

Avidyne Key: This key (maximum 23 characters, case sensitive) can be obtained from: www.myavidyne.com Example: 23j5JKI1234jdjdkk123456

Optional

Coverage Codes Click to enter coverage codes for this cycle, if issued by Jeppesen

Next > **Cancel** **Help**

Coverage Codes

1234567890
2345678901

OK
Clear All
Cancel

Coverage code input window. Click the "Coverage Codes" button to show.

Next button becomes active when both Jeppesen serial number and Avidyne key are of valid format.

Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

Avidyne CMax Data Extractor

Avidyne CMax Data Extractor v1.2.0

AVIDYNE **JEPPesen OnBoard**

Connect and Enter Path

Insert Jeppesen Terminal Chart Data CD into your CD ROM Drive
Insert a Removable USB Drive

Path to the CD ROM drive with the Chart Data CD:

D:\ Browse

Path to the Removable USB Drive:

E:\ Browse

< Back Next > Cancel Help

JeppView Source Data Path. This is the path to the CD ROM drive with the current Chart Data CD.

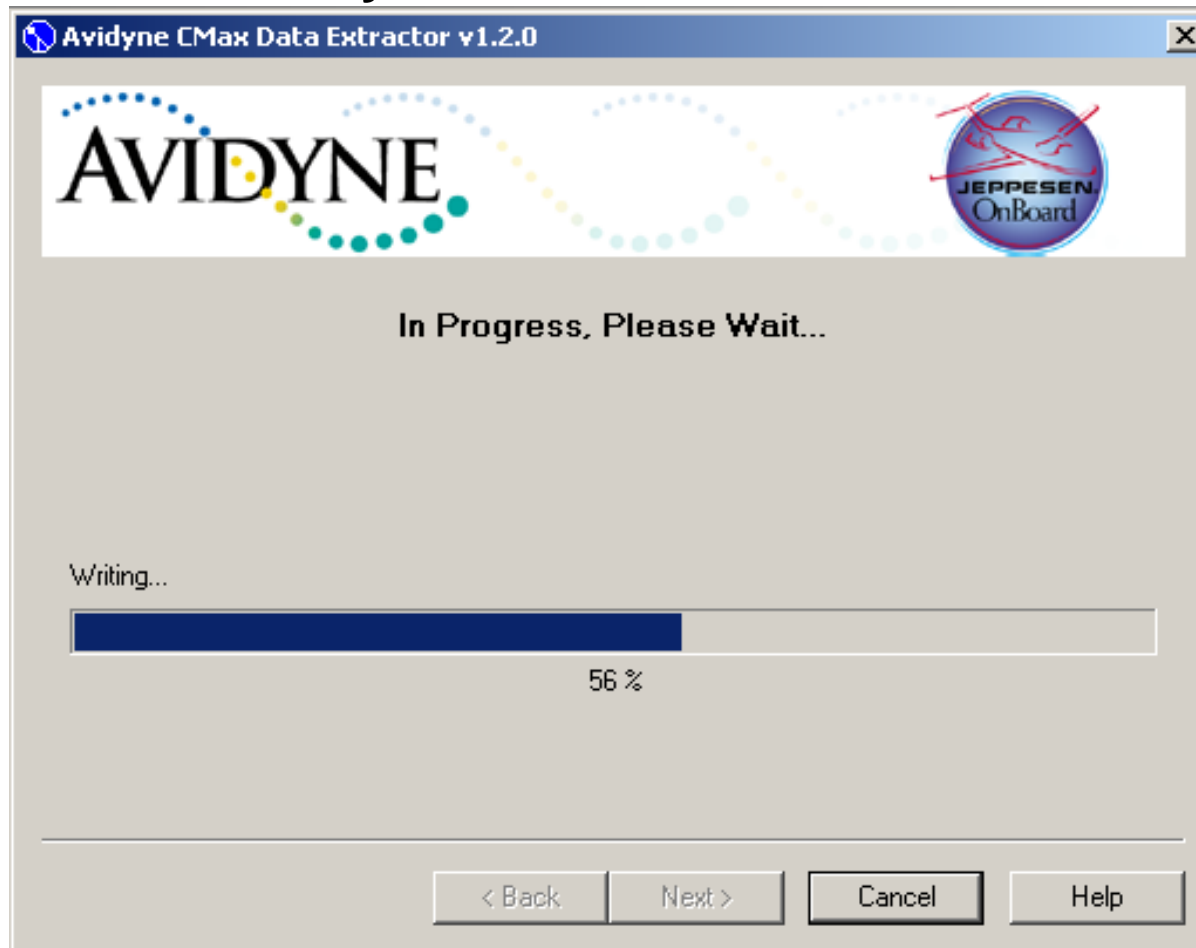
CMax Output Data Path. This is the path to the USB Flash drive/ZIP drive where the chart data is to be loaded.

The Next button will become active when both paths are valid.

Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

Avidyne CMax Data Extractor



Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

Avidyne CMax Data Extractor Troubleshooting

MFD Data Update Troubleshooting Technique Guide



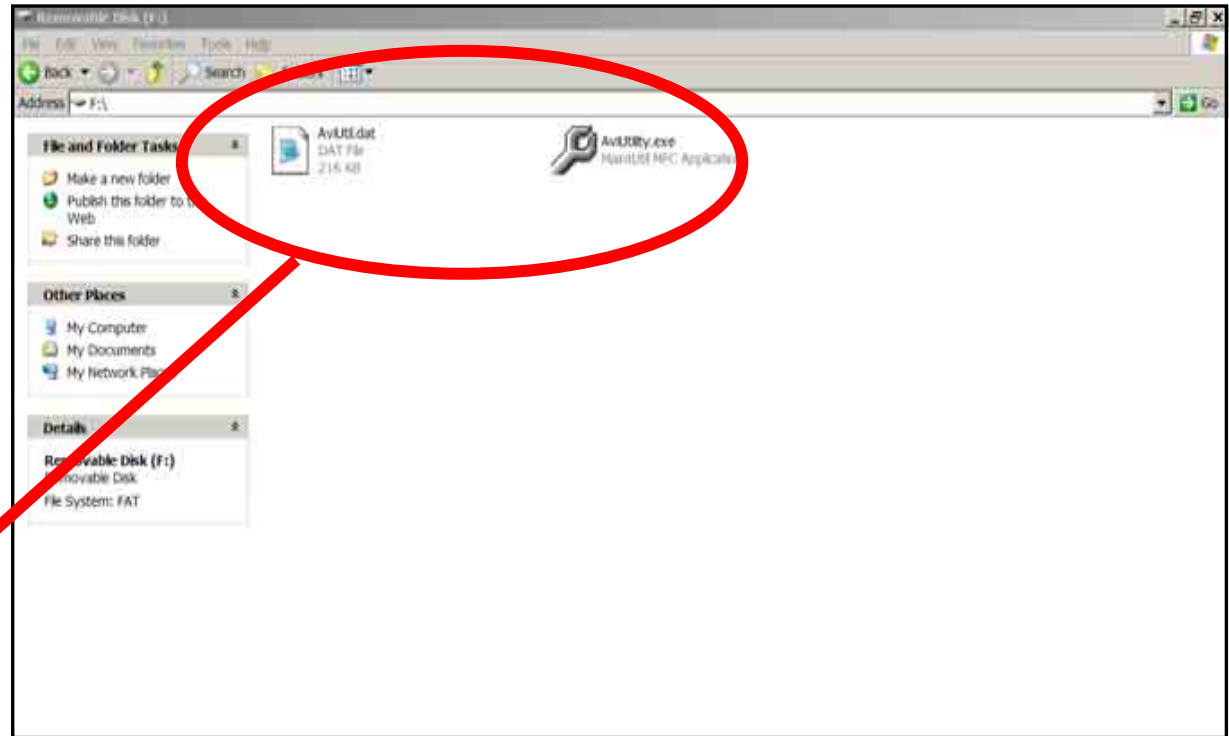
Data Extractor Errors	Solutions
The Jeppesen serial number is invalid.	<ul style="list-style-type: none">• Verify that the serial number was correctly entered. This number is case sensitive. Be aware that the letter "O" is different from the number "0," and the letters capital "I" and small "i" are different from the number "1." Use Copy and Paste to avoid these types of errors.• Verify your subscription information is correct at www.jeppesen.com
The CMax key is invalid.	<ul style="list-style-type: none">• Verify the CMax key was correctly entered. This number is case sensitive. The key is available at www.MyAvidyne.com. Be aware that the letter "O" is different from the number "0," and the letters capital "I" and small "i" are different from the number "1." Use Copy and Paste to avoid these types of errors.

Updating CMax Chart Data by Jeppesen CDs

CMax Chart Data Update Procedures

1. After downloading the Jeppesen Electronic Chart Data update to your USB Flash Memory Drive/Zip Drive. Then go to MyComputer icon on your Desktop and right click your Removable Disk drive where your USB device is connected and right click to "Properties".

2. Verify you see these three files on your Removable Disk drive AviUtil.dat, AviPersist.dll and AviUtility.exe If not download again.



3. Then disconnect your USB Flash Memory Drive/Zip Drive from your PC and take it out to your Aircraft to upload the CMax Chart Data updates to your Avidyne MFD.

Uploading the CMax Chart Data to the MFD

CMax Chart Data Update Procedures

1. **First verify you have adequate power supply and a completely charged aircraft battery or ground power unit to power your MFD.**
2. **Carefully remove the USB cover so you can connect your USB Flash Memory Drive to your MFD USB port.**
3. **Then power up your Aircraft avionics power to power up the MFD.**
4. **Next follow the MFD screen prompts to upload your CMax Chart Data updates to the MFD.**



Uploading the CMax Chart Data to the MFD

CMax Chart Data Update Procedures

1. **First verify you have adequate power supply and a completely charged aircraft battery or ground power unit to power your MFD.**
2. **Carefully remove the USB cover so you can connect your Zip Drive dataloader to your MFD USB port with the Zip disk not inserted.**
3. **Then power up your Aircraft avionics power to power up the MFD.**
4. **When you see the FlightMax logo screen insert the Zip disk into the Zip Drive dataloader.**
5. **Next follow the MFD screen prompts to upload your CMax Chart Data updates to the MFD.**



Uploading the CMax Chart Data to the MFD

CMax Chart Data Update Procedures



Uploading the CMax Chart Data to the MFD

CMax Chart Data Update Procedures



Uploading the CMax Chart Data to the MFD

CMax Chart Data Update Procedures

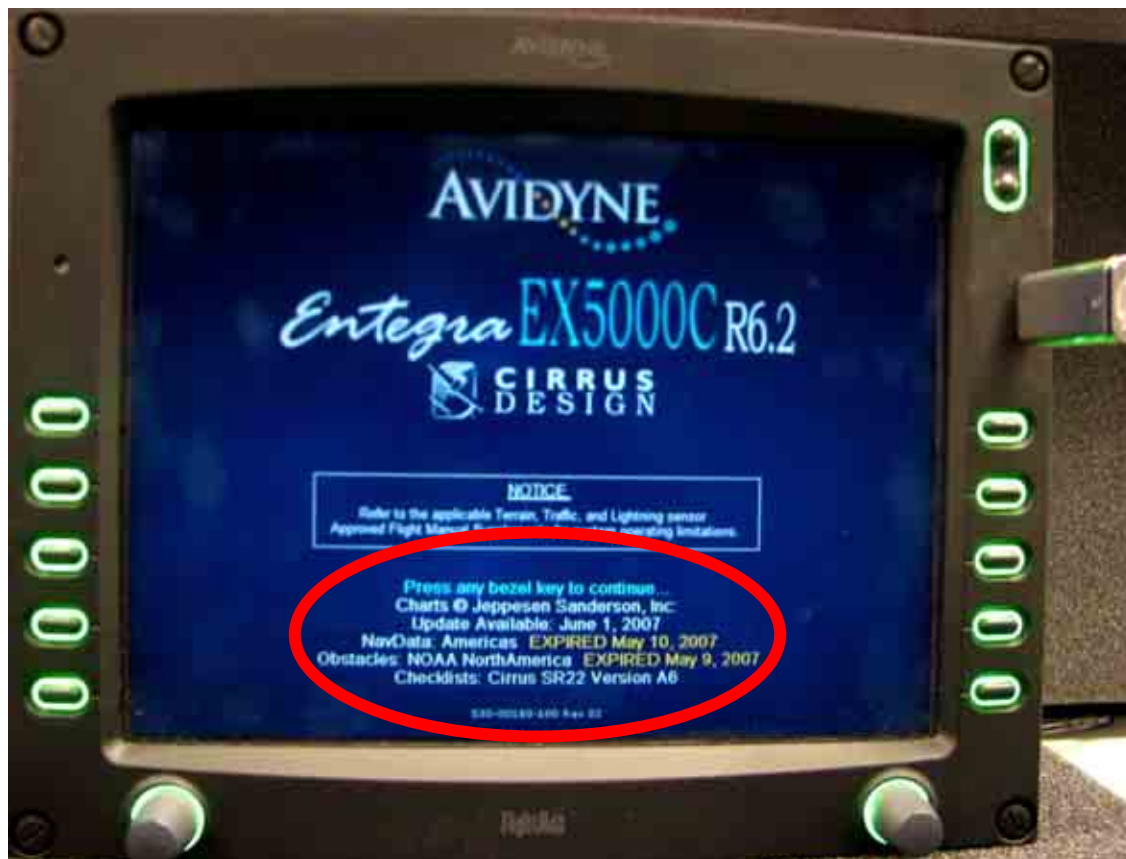


Uploading the CMax Chart Data to the MFD

CMax Chart Data Update Procedures

1. Verify the CMax Chart Data updates subscription dates are correctly shown on the MFD display.
2. Disconnect the USB Flash Memory Drive/Zip Drive from your MFD.

Note: The CMax Chart Data will display on your Chart page for only 10 weeks after the Expired Date.



Uploading the CMax Chart Data to the MFD

CMax Chart Data Update Procedures

Avidyne CMax Chart Data Updating Troubleshooting

MFD Data Load Error	Solution
The MFD data load reports corrupt data file.	<ul style="list-style-type: none">• Power down MFD, verify the data load cable is properly connected.• The file stored on the Zip disk may be corrupted. Rerun the CMax Extractor on your PC.
This Jeppesen Chart Update is not authorized for use on this MFD.	<ul style="list-style-type: none">• Verify the data was created for this MFD.• If using JSUM, verify that the CMax Key Code is correct. Jeppesen does not verify the CMax Key Code during download.• Chart data for different MFDs is not interchangeable.• Regenerate the Key Code.
The MFD indicates no chart data after reboot.	<ul style="list-style-type: none">• Reload data. Watch for errors during data load. Be sure the MFD indicates a successful data load before powering down.
Chart data on MFD does not match subscribed regions.	<ul style="list-style-type: none">• If this is a new subscription or the regions in this subscription have been modified, check your Jeppesen information for coverage codes. If needed, run the extractor again and add the coverage codes.• Contact Jeppesen billing support.
The update has failed without affecting the unit	<ul style="list-style-type: none">• Your Zip disk or USB Flash Memory Device may be corrupt. Re-format the portable USB device and try again.
Zip Disk ejects from Zip Drive Dataloader and the MFD goes into a normal Startup sequence.	<ul style="list-style-type: none">• Zip Disk is in the incorrect Format. Re-format Zip Disk to format "FAT" and upload updates
Updating with a USB Flash Memory Drive the MFD goes into a normal Startup sequence.	<ul style="list-style-type: none">• USB Flash Memory Drive is in the incorrect Format. Re-format USB Flash Memory Drive to format "FAT" and upload updates.

Uploading the CMax Chart Data to the MFD

CMax Chart Data Update Procedures

Avidyne CMax Chart Data Updating Troubleshooting

MFD Data Load Error	Solution
Failure Handler called with unexpected state (##)	<ul style="list-style-type: none">• Contact Avidyne Technical Support. Be sure to write down the state number.
Invalid disk	<ul style="list-style-type: none">• Your Zip disk or USB Flash Memory Device may be corrupt. Reformat the portable USB device and try again.
Error writing files	<ul style="list-style-type: none">• Try updating your data again. If the problem persists, call Avidyne Technical Support.
Not enough space	<ul style="list-style-type: none">• Your portable USB device is too small. For CMax Chart Data, ensure that you are using a 250MB Zip Disk or 256MB or larger USB Flash Memory Device
Internal error:	<ul style="list-style-type: none">• Try updating your data again.• If the problem persists, call Avidyne Technical Support. Be sure to have the error number available
CMax Data Update Failed Verifying CRC Error	<ul style="list-style-type: none">• If updating CMax Chart Data using JSUM online, then download the latest JSUM online version at: www.jeppesen.com/JSUM Retry updating CMax Data.• Try using the Jeppesen Electronic Chart Disk CD with the CMax Data Extractor.
The MFD indicates Ready to Write Engine/Broadcast Data to Removable Media when trying to upload Database updates	<ul style="list-style-type: none">• Either the USB Flash Memory Drive or Zip Disk is blank or has incorrect files. Upload the Database updates again using either JSUM or the Data Extractor

EX5000 MFD

EMax™ Total Engine Management Data Procedure



EX5000 MFD

EMax™ Total Engine Management Data Procedure

1. To be able to download the Emax Total Engine Management Data you must have a EX5000 MFD with the Emax Engine option.
2. Verify that you have the Engine Page tab located at the bottom of your MFD Map page.
3. The Emax Total Engine Management Data provides real-time recording of time, position, and critical engine performance parameter. The Emax records engine and position for the last 100 hours of flight. The Data is recorded every six seconds while the MFD is operating.



Formatting the Zip Disk/USB Flash Drive

EMax™ Total Engine Management Data Procedure

1. **Connect your Zip Drive Dataloader with the Zip Disk inserted into your USB port on your PC OR Connect your USB Flash Memory Drive into your USB port on your PC.**
2. **Double left click the My Computer Icon on your PC Desktop.**

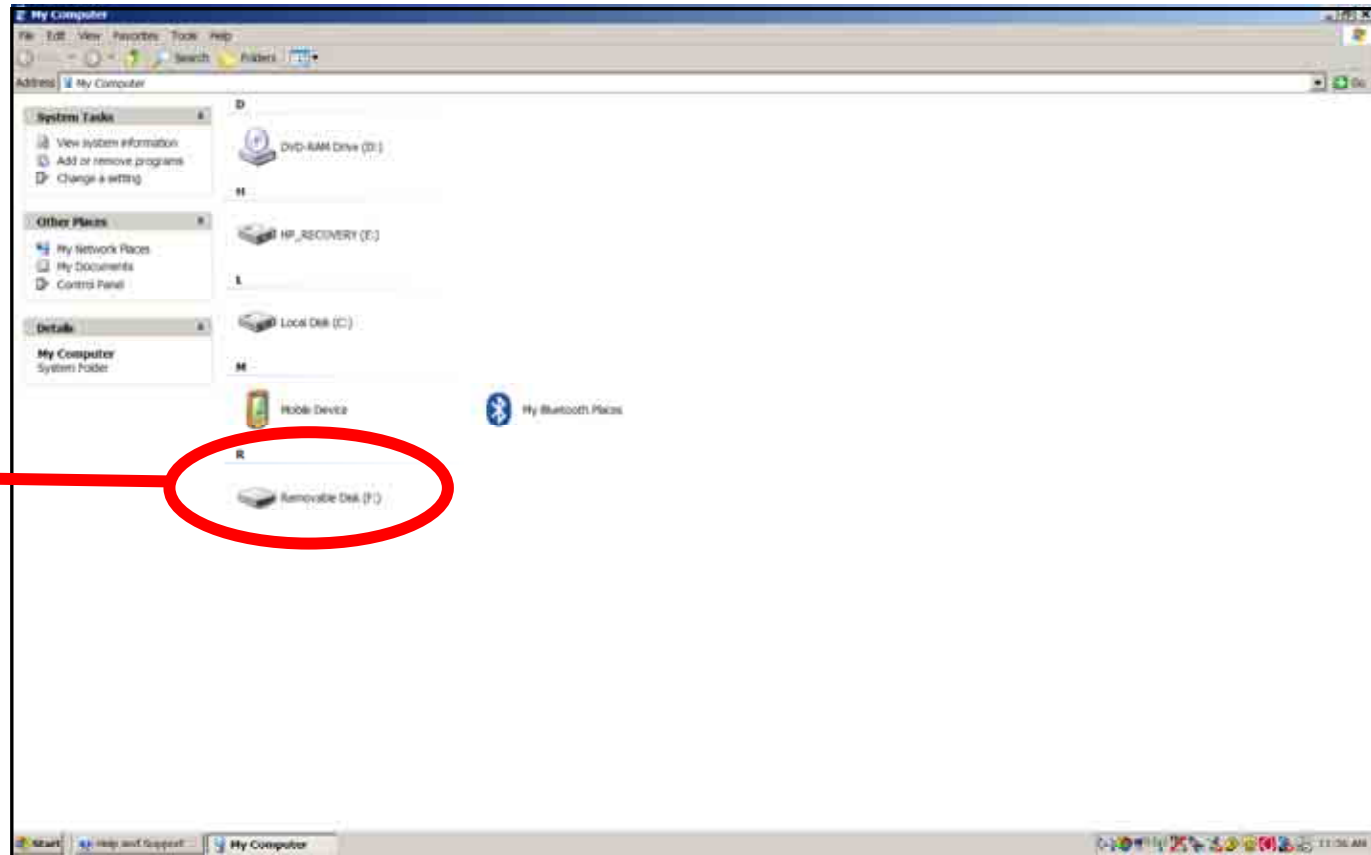


Formatting the Zip Disk/USB Flash Drive

EMax™ Total Engine Management Data Procedure

1. Right Click the Removable Disk () where your Zip Drive or USB Flash Memory Drive is connected to on your PC.

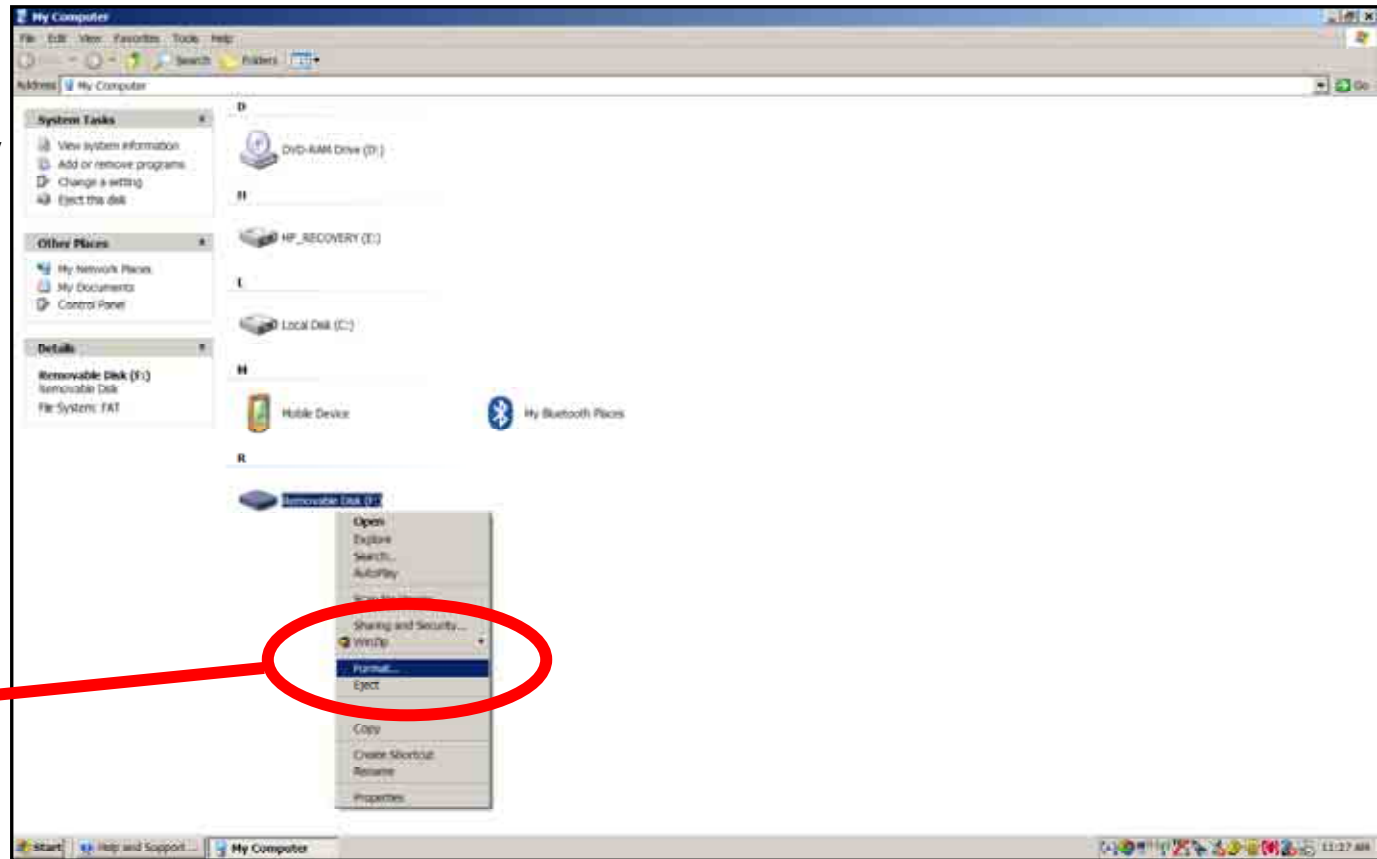
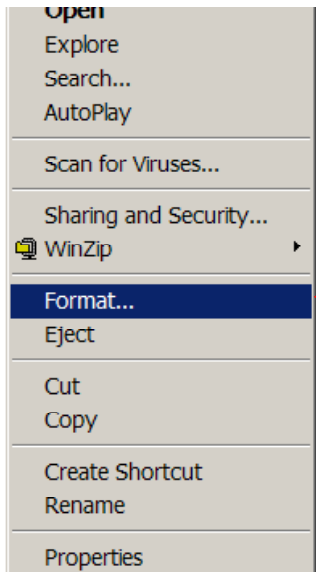
 Removable Disk (F:)



Formatting the Zip Disk/USB Flash Drive

EMax™ Total Engine Management Data Procedure

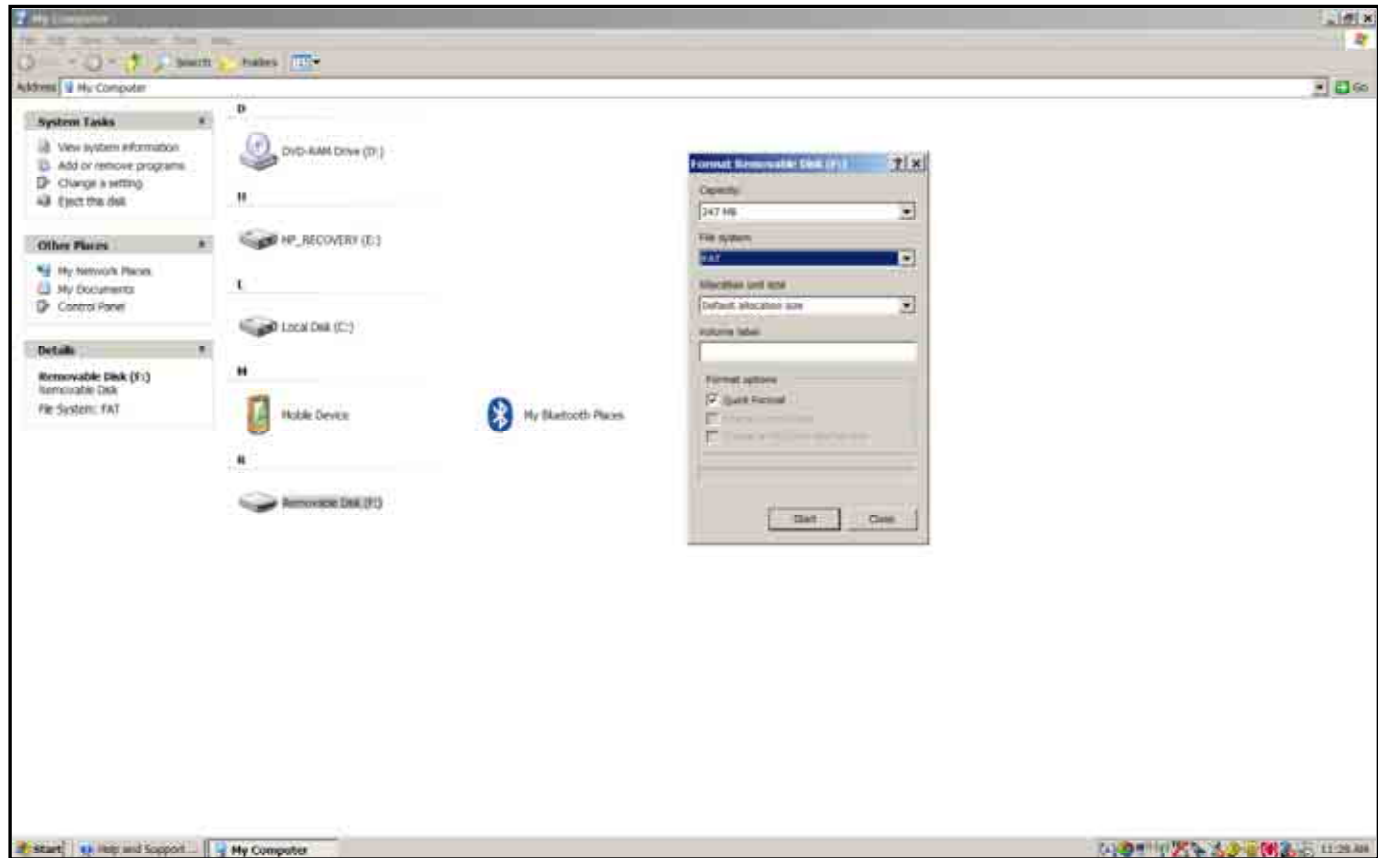
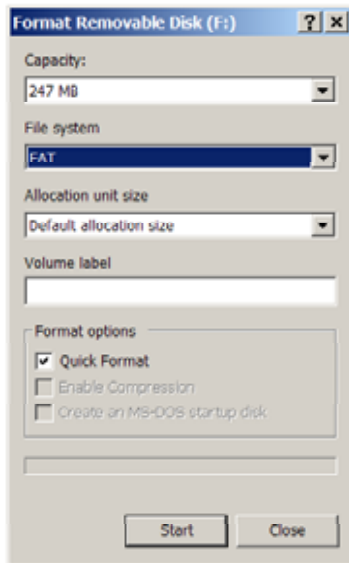
1. Right Click the Removable Disk () where your Zip Drive or USB Flash Memory Drive is connected to on your PC.
2. Then left click the option Format



Formatting the Zip Disk/USB Flash Drive

EMax™ Total Engine Management Data Procedure

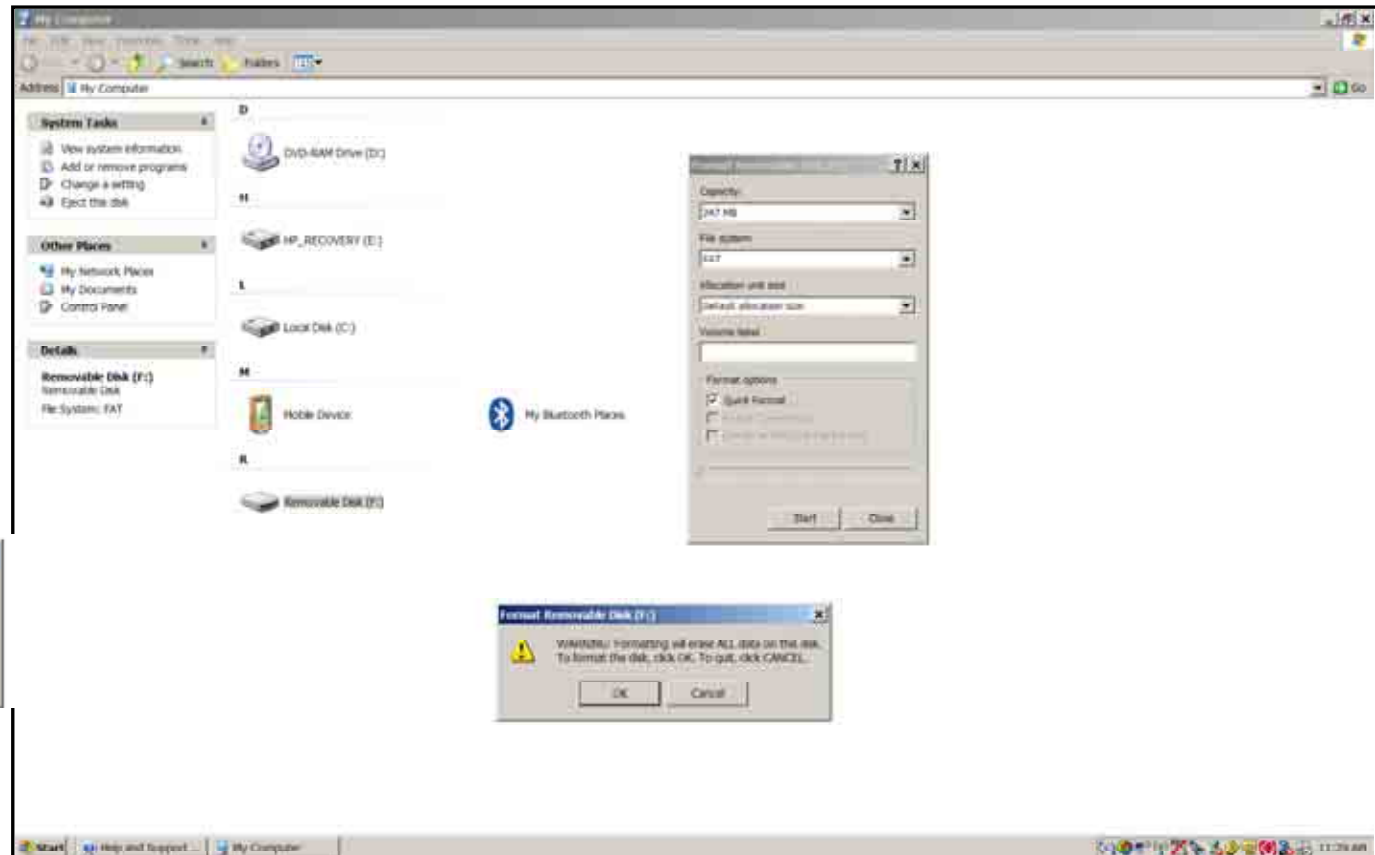
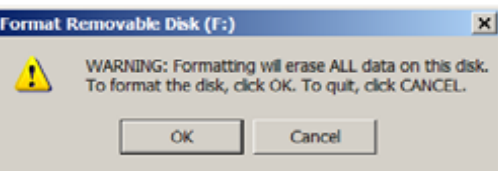
1. Then choose “FAT” under the File system selection.
2. Check Quick Format under Format Options.
3. Then click Start.



Formatting the Zip Disk/USB Flash Drive

EMax™ Total Engine Management Data Procedure

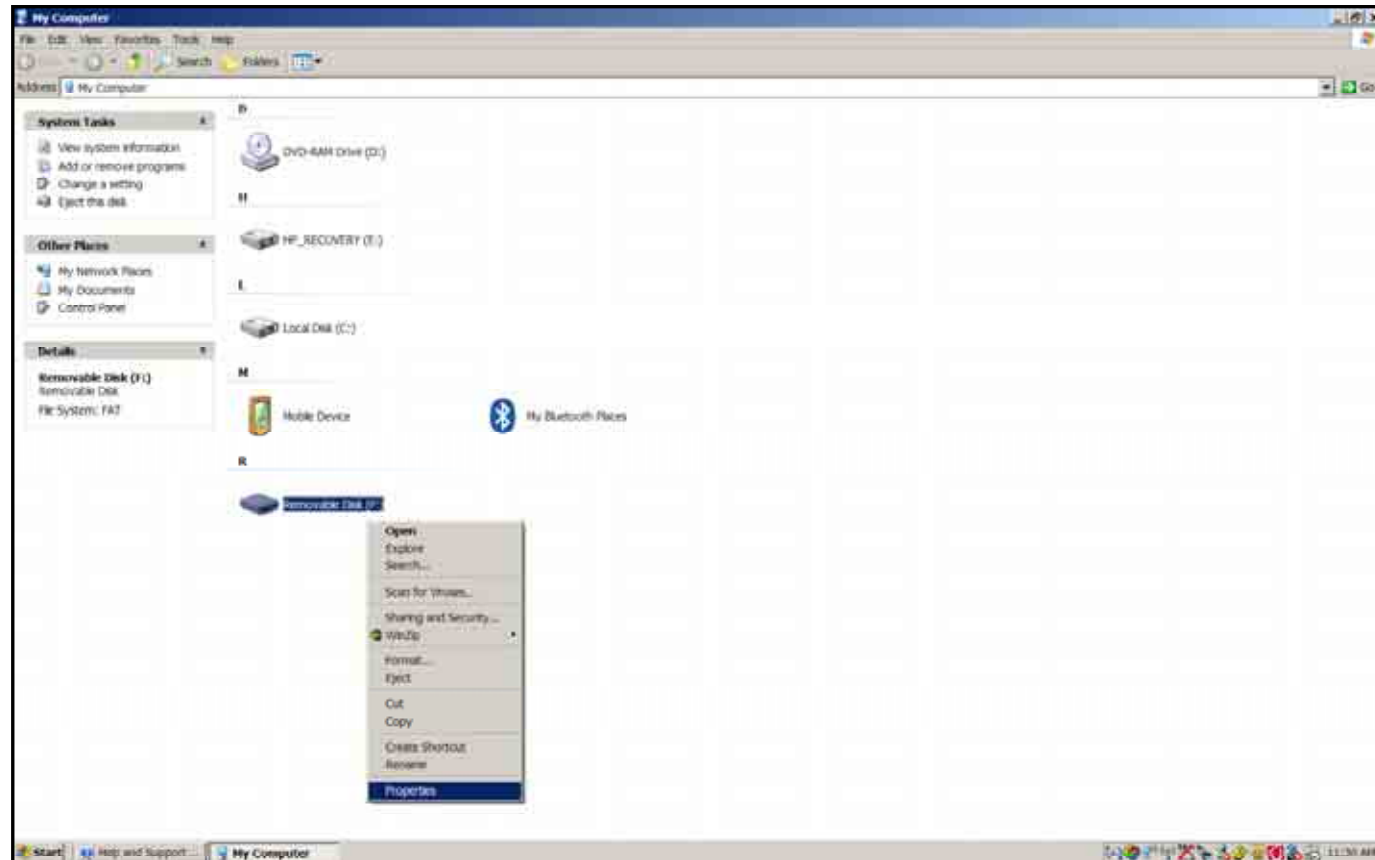
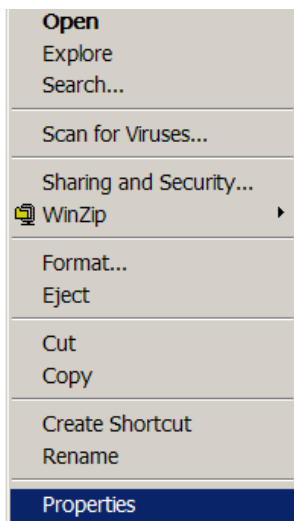
1. A Warning Box will display stating **“WARNING: Formatting will erase ALL data on this disk. To format the disk, click OK, To quit, click CANCEL”** You want to click **“OK”** to format and erase unnecessary data from the USB device.



Formatting the Zip Disk/USB Flash Drive

EMax™ Total Engine Management Data Procedure

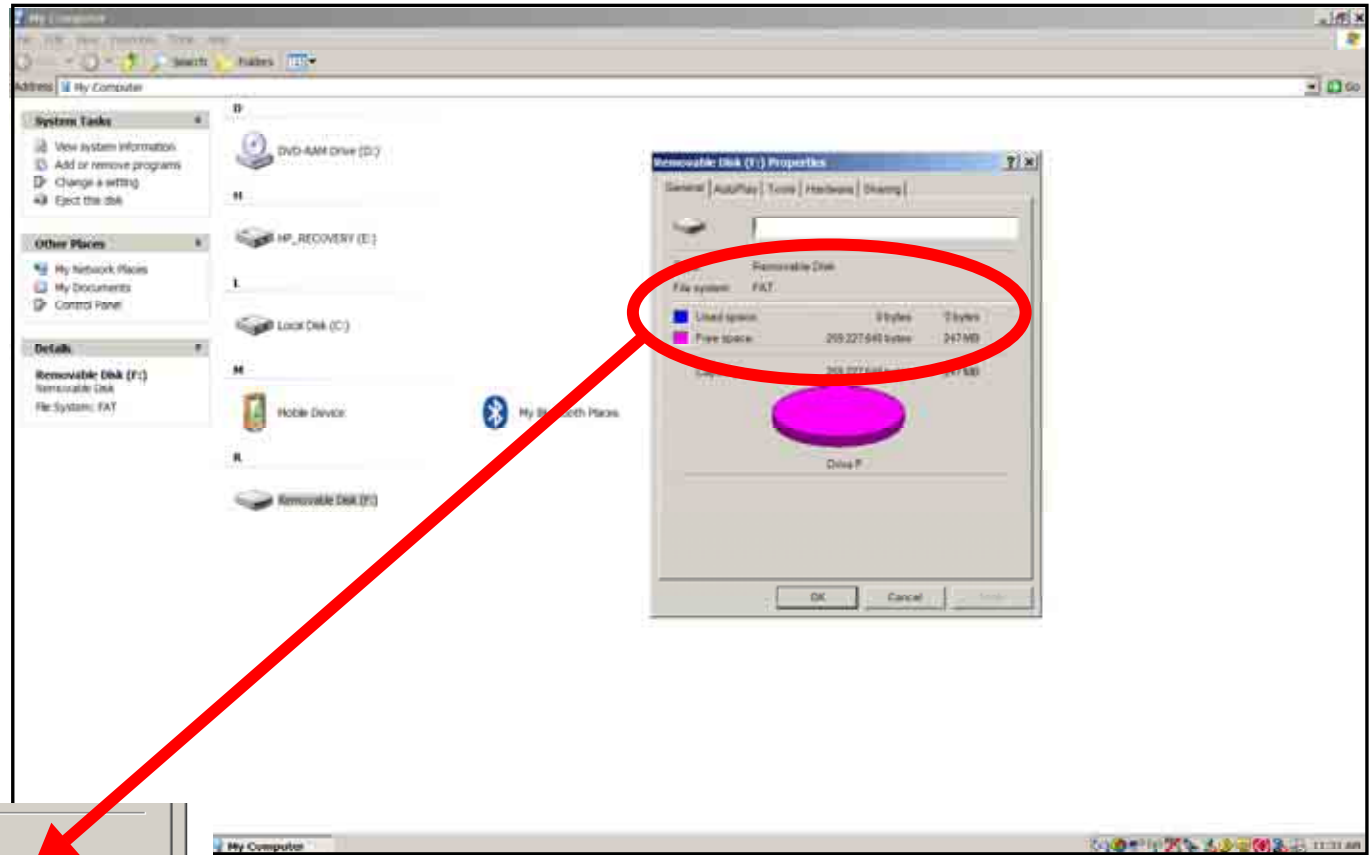
1. Next you want to verify that your USB device is correctly Formatted and is cleared of all other Data.
2. Right click the Removable Disk ().
3. Then scroll down to Properties and then left click the Properties selection.



Formatting the Zip Disk/USB Flash Drive

EMax™ Total Engine Management Data Procedure

1. Verify under File system it shows “FAT”
2. Verify on Used space it shows 0 bytes.
3. If either File system shows other than “FAT” or under Used space it shows more than 0 bytes. Then re-format USB device again.
4. Take your “FAT” formatted empty USB Flash Memory Drive/Zip Drive out to your aircraft.



Downloading the Emax Engine Data from the MFD

EMax™ Total Engine Management Data Procedure

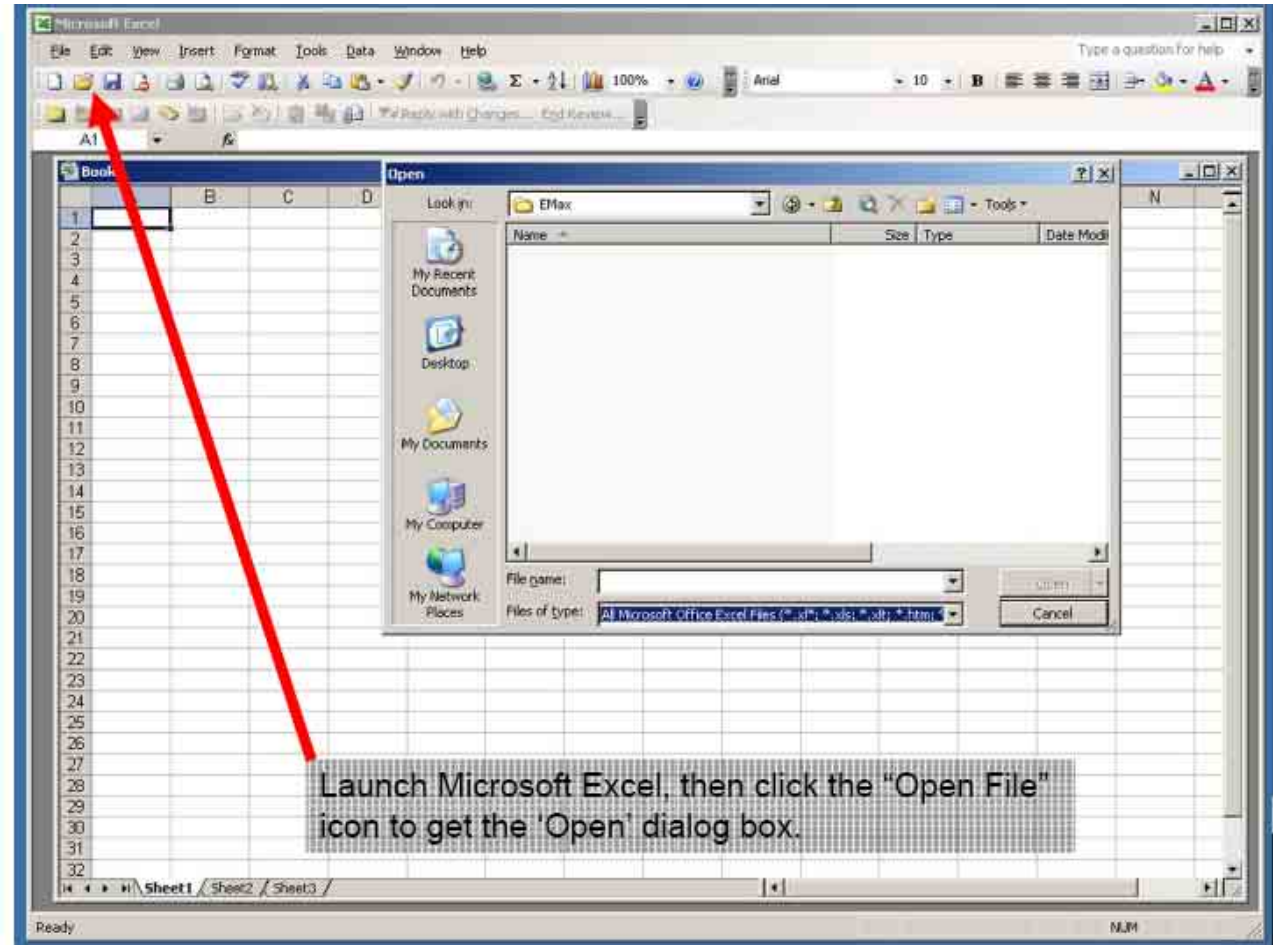
1. **First verify you have adequate power supply and a completely charged aircraft battery or ground power unit to power your MFD.**
2. **Carefully remove the USB cover so you can connect your USB Flash Memory Drive to your MFD USB port.**
3. **Then power up your Aircraft avionics power to power up the MFD.**
4. **Next follow the MFD screen prompts to download your Emax Engine Data from the MFD.**



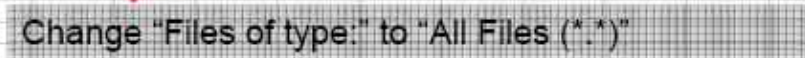
Downloading the Emax Engine Data from the MFD

EMax™ Total Engine Management Data Procedure

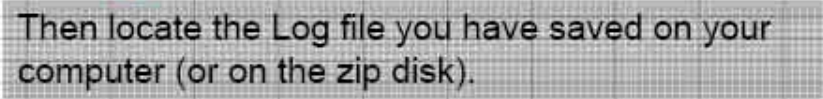
1. Once you have downloaded your Emax Total Engine Management Data onto your USB Flash Memory Drive/Zip Drive then take it to your PC and insert it into your PC USB port.
2. You can open this Emax Engine Data in these two files:
 - An ASCII text file (.txt) containing the engine performance data, which can be open by most spreadsheet programs like Excel for analysis.
 - A Jeppesen Track file (.log) containing position data that is compatible with Jeppesen FliteStar. For more information about FliteStar track file see www.Jeppesen.com.



EMax™ Total Engine Management Data Procedure

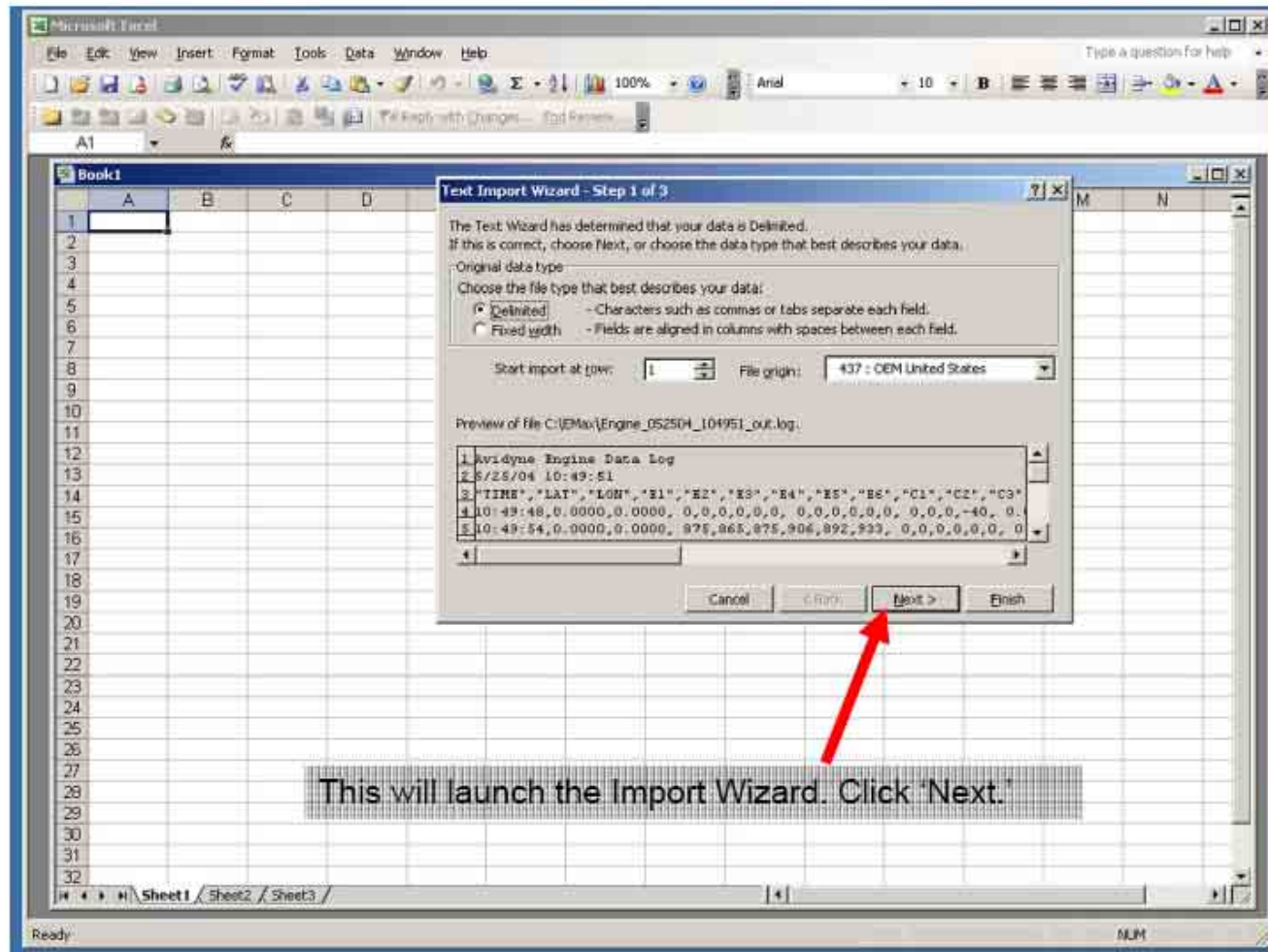


EMax™ Total Engine Management Data Procedure



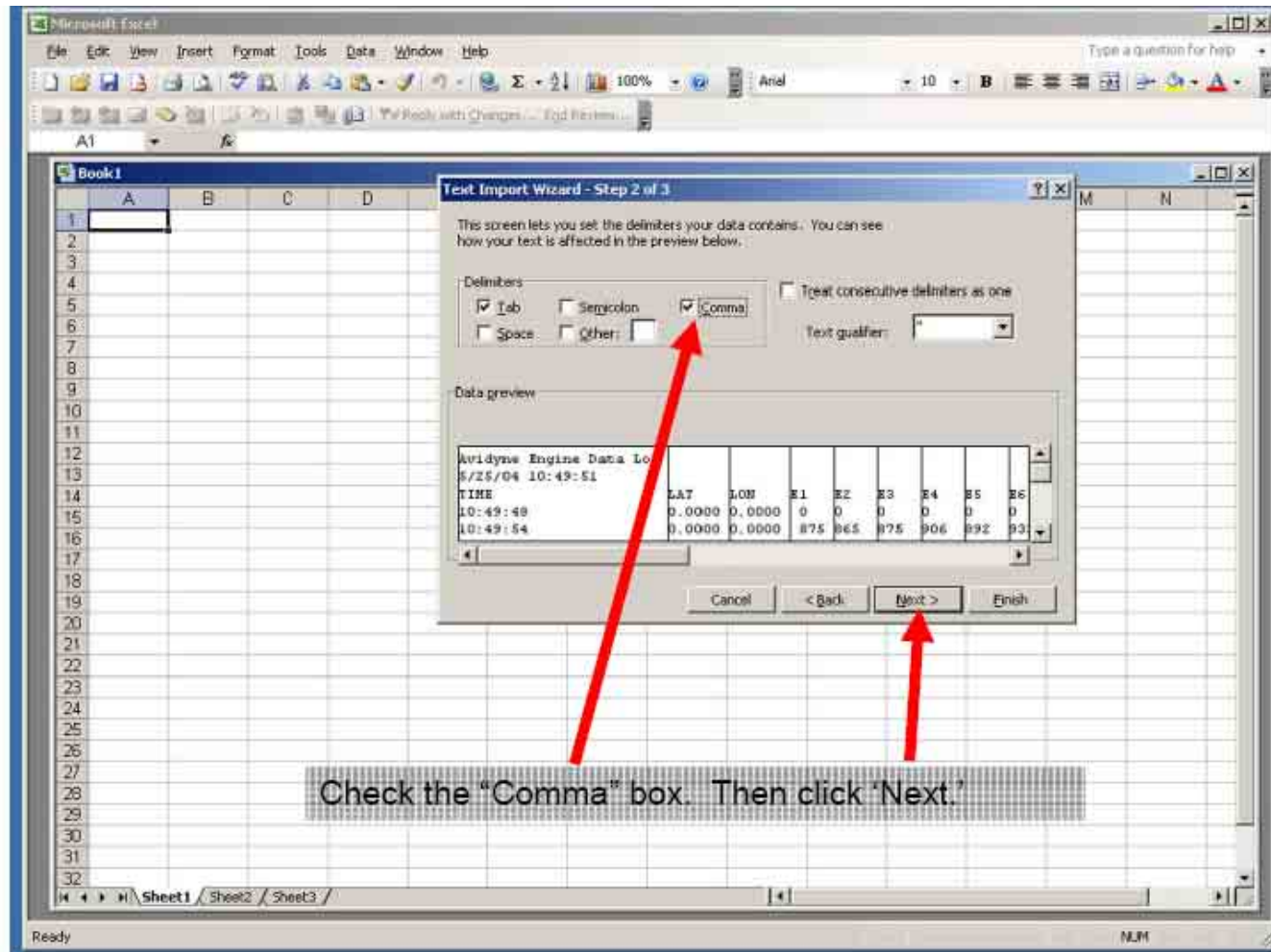
Downloading the Emax Engine Data from the MFD

EMax™ Total Engine Management Data Procedure



Downloading the Emax Engine Data from the MFD

EMax™ Total Engine Management Data Procedure



Downloading the Emax Engine Data from the MFD

EMax™ Total Engine Management Data Procedure

Microsoft Excel - Avidyne Engine Data Log

Engine_052504_104951_out.log

TIME	LAT	LON	E1	E2	E3	E4	E5	E6	C1	C2	C3	C4	C5
10:49:48	0	0	0	0	0	0	0	0	0	0	0	0	0
10:49:54	0	0	875	865	875	906	892	933	0	0	0	0	0
10:50:00	0	0	887	872	892	921	902	949	0	0	0	0	0
10:50:06	0	0	898	888	904	937	921	962	0	0	0	0	0
10:50:12	0	0	904	902	910	950	931	973	0	0	0	0	0
10:50:18	0	0	912	910	915	957	941	978	0	0	0	0	0
10:50:24	0	0	919	922	917	969	945	986	0	0	0	0	0
10:50:30	0	0	862	839	877	866	914	910	0	0	0	0	0
10:50:36	0	0	814	743	849	818	895	863	0	0	0	0	0
10:50:42	0	0	825	717	852	752	886	855	0	0	0	0	0
10:50:48	0	0	818	716	829	727	881	834	0	0	0	0	0
10:50:54	0	0	885	815	886	856	944	930	0	0	0	0	0
10:51:00	0	0	845	845	908	888	912	953	0	0	0	0	0
10:51:06	0	0	882	886	926	919	935	975	0	0	0	0	104
10:51:12	0	0	813	862	870	903	908	892	0	0	102	0	107
10:51:18	0	0	785	856	837	816	895	822	101	0	105	0	109
10:51:24	46.839	-92.2034	743	805	836	785	887	805	104	0	107	0	112
10:51:30	46.839	-92.2034	706	753	832	728	883	812	107	0	111	0	116
10:51:36	46.839	-92.2034	720	767	820	702	886	790	110	0	113	103	118
10:51:42	46.839	-92.2034	696	760	823	683	883	769	112	101	116	105	122
10:51:48	46.839	-92.2034	690	777	810	679	883	772	115	104	118	108	125
10:51:54	46.839	-92.2034	703	750	780	673	887	819	118	107	121	111	128
10:52:00	46.839	-92.2034	733	765	768	689	879	816	120	110	123	113	131
10:52:06	46.839	-92.2034											115
10:52:12	46.839	-92.2034											117
10:52:18	46.839	-92.2034											119
10:52:24	46.839	-92.2034											121
10:52:30	46.839	-92.2034											124
10:52:36	46.839	-92.2034											126
10:52:42	46.839	-92.2034											127
10:52:48	46.839	-92.2034	920	922	927	944	943	1005	134	126	137	126	147

Ready

Avidyne MFD Data Update Tutorial

