

# 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](http://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



# Registering your Avidyne Product

1. Go to [www.MyAvidyne.com](http://www.MyAvidyne.com)
2. Click **Enroll Now** button to Register Your Warranty and Open Your Account

**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](http://www.Avidyne.com)

**Return Account Users**

User ID:

Password: (case sensitive)

Login

Remember my User Name and Password.

User ID & Password Help

Note: Before Registering your Avidyne unit on Avidyne's website [www.MyAvidyne.com](http://www.MyAvidyne.com) please have your Avidyne units serial numbers easily available.

# 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 logon. 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



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 logon. 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 several bookmarks: 'Links', 'Google', 'NOC DB Docs', 'NOC Links', 'NocDoc Wiki', and 'AviWxWorld'. The page title is 'Tuesday, April 12, 2005'. The Avidyne logo is visible in the top left, and the text 'Welcome The Integrated Flight Deck Company' is in the top right. The main heading is 'Enter Contact Information'. Below this, there is 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' (jgJoe@Hotmail.com). Each field has a red asterisk to its right, indicating it is a required field. A 'Continue Enrollment' button is located at the bottom of the form.

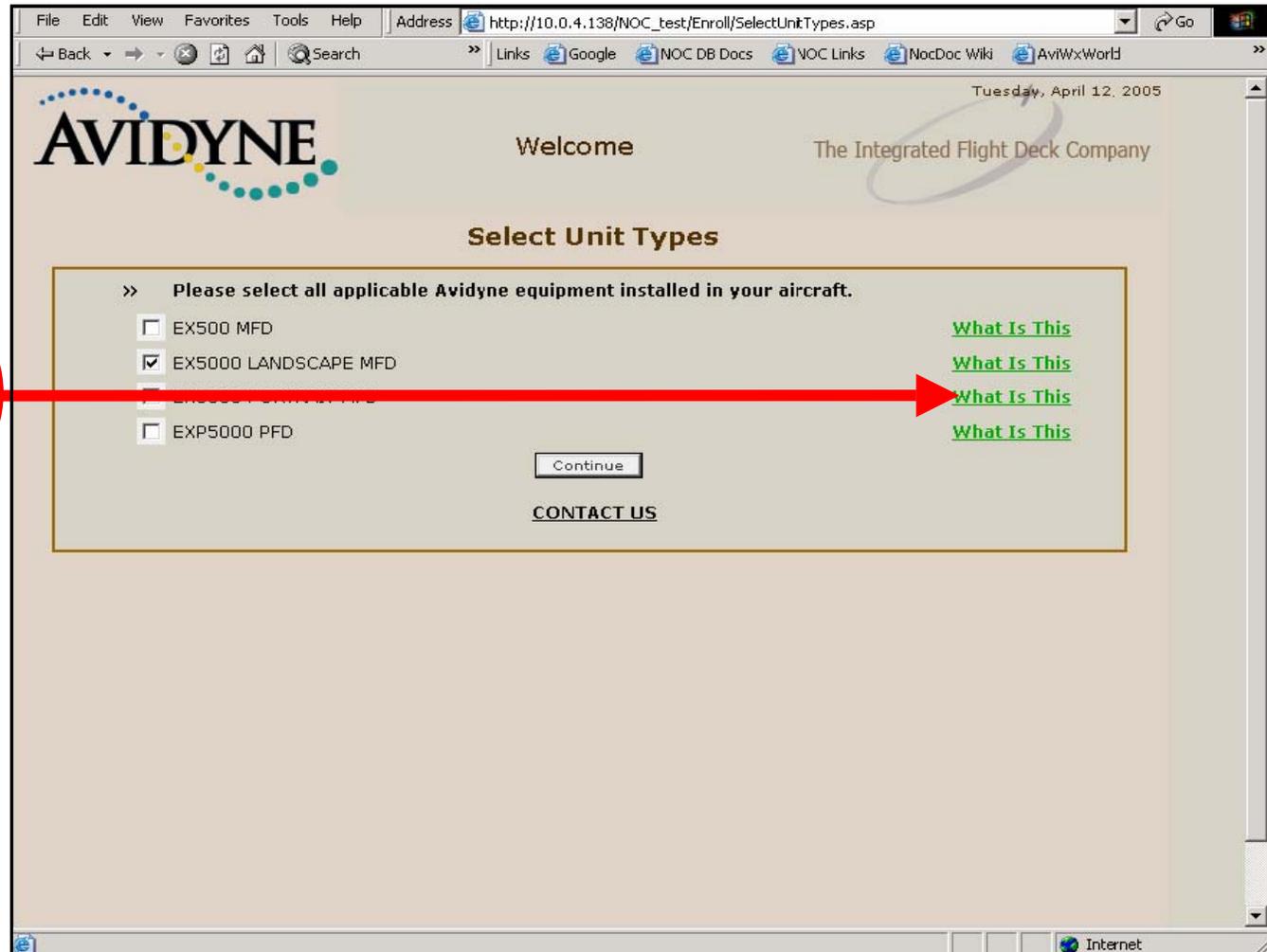
# Registering your Avidyne Product

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 several bookmarks: 'Links', 'Google', 'NOC DB Docs', 'NOC Links', 'NocDoc Wiki', and 'AviWxWorld'. The page content includes the Avidyne logo, a 'Welcome' message, and the text 'The Integrated Flight Deck Company'. The main heading is 'Add New Aircraft'. Below this, there is a form with the instruction '>> 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 below the form fields. The browser's status bar at the bottom shows 'Done' and '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.



# 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 address bar displaying `http://10.0.4.138/NOC_test/Enroll/EnterUnitInfo.asp?E5000L=yes`. The browser's address bar also shows a search icon and a search box. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The browser's toolbar includes Back, Forward, Home, Stop, and Reload buttons. The browser's status bar shows Done and Internet.

The website content includes the Avidyne logo, a "Welcome" message, and the tagline "The Integrated Flight Deck Company". The date "Tuesday, April 12, 2005" is displayed in the top right corner. The main heading is "Enter Unit Info". Below this heading is a text box containing the following text:

>> Please enter the Unit Serial Numbers for the Equipment listed below. When you have filled in all blank fields press "Finish Enrollment".

EX5000 LANDSCAPE MFD  
Unit Serial Number

Finish Enrollment

[CONTACT US](#)

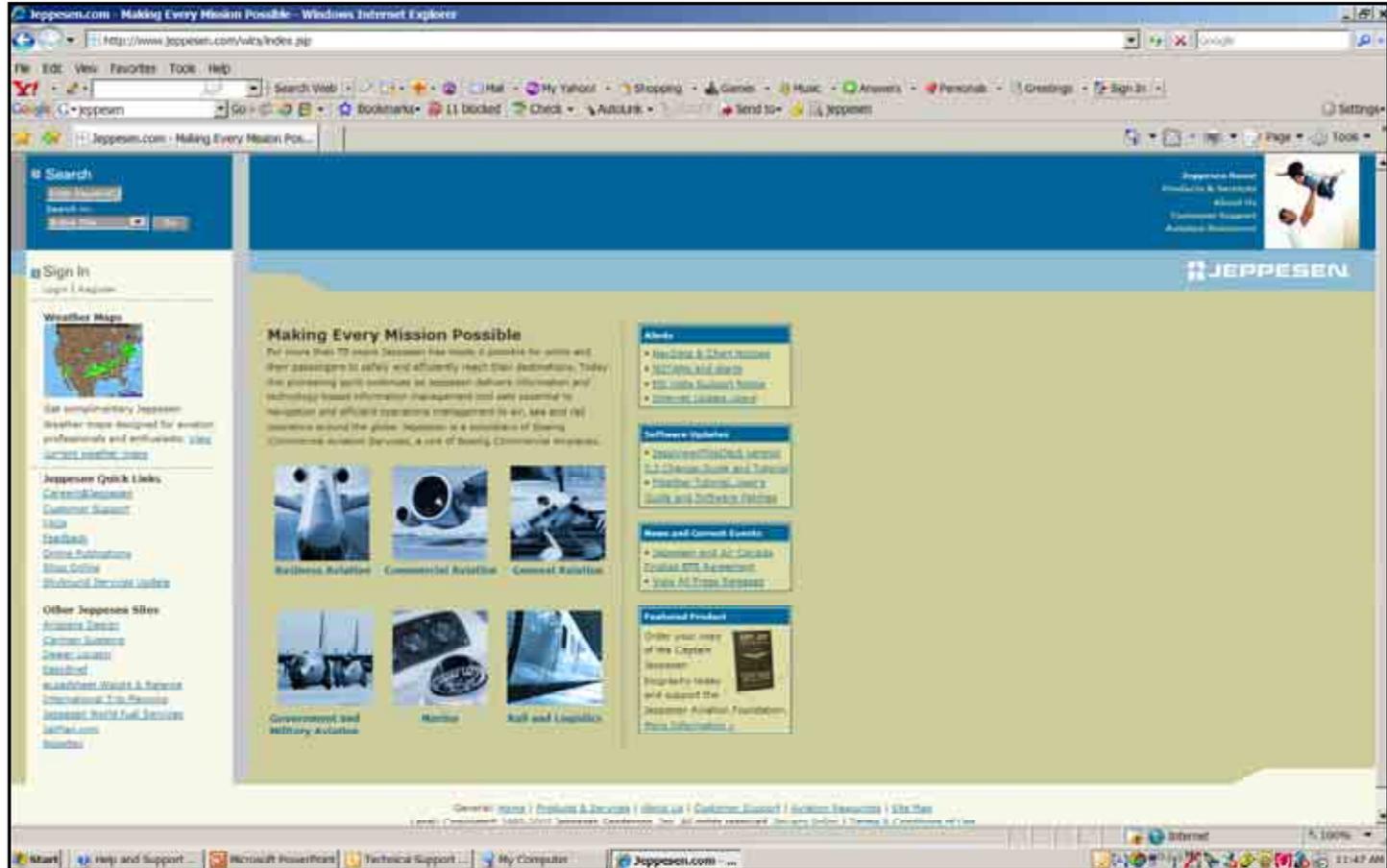
## Registering your Avidyne Product

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.

The screenshot shows a web browser window displaying the MyAvidyne.com website. The address bar shows the URL: [http://10.0.4.138/NOC\\_test/Customer/welcome.asp?message=Units%20Registered](http://10.0.4.138/NOC_test/Customer/welcome.asp?message=Units%20Registered). The page features the Avidyne logo, the user's name "Joe Biggs", and the tagline "The Integrated Flight Deck Company". The main heading is "Welcome - Units Registered". A navigation menu includes links for HOME, ACCOUNT, CMAX, FLEX, CONTACT US, and MERCHANDISE. Below the menu is a banner image of a child holding a model airplane. The text reads "Welcome to MyAvidyne.com" and "You wished you could soar with confidence. Now you will." A yellow starburst graphic says "Rebate & Special Offers (Click Here)". Three buttons are visible: "CMax key Code", "Extended Warranty", and "Activate Datalink". A sidebar on the right contains a yellow box with the text "Confirm your EX500 release 2.0 software upgrade here." and a message about using the MyAvidyne.com account to register avionics, upgrade service plans, and view datalink usage.

# 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](http://www.jeppesen.com).



# Jeppesen Subscription Overview

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

The screenshot shows the Jeppesen website homepage. In the top right corner, there is a navigation menu with the following links: [Jeppesen Home](#), [Products & Services](#), [About Us](#), [Customer Support](#), and [Aviation Resources](#). A red arrow points from the text in the first list item to the [Products & Services](#) link. The main content area features a search bar, a sign-in section, weather maps, and a central headline "Making Every Mission Possible" with sub-sections for Business Aviation, Commercial Aviation, General Aviation, Government and Military Aviation, Marine, and Rail and Logistics. There are also sections for Alerts, Software Updates, News and Current Events, and a Featured Product.

# Jeppesen Subscription Overview

1. Next select the Charting and Navigation Services link.

The screenshot displays the Jeppesen website's 'Products & Services' page. On the left sidebar, the 'Products & Services' menu is expanded, listing 'Aviation Training', 'Charting and Navigation Services', 'Flight Planning', 'Custom Services', and 'Other Services'. A red circle highlights the 'Charting and Navigation Services' link, with a red arrow pointing to the corresponding section on the main page. The main content area features a 'Products & Services' header, followed by sections for 'Aviation Training', 'Charting and Navigation Services' (with an image of a chart and a red arrow pointing to the link), 'Flight Planning' (with an image of a flight planner), and 'Custom Services' (with an image of a sunset). The bottom of the page shows a browser status bar with 'Internet' and '100%' zoom.

# Jeppesen Subscription Overview

1. Then select the IFR Chart Services link.

The screenshot displays the Jeppesen website interface. On the left sidebar, the 'Products & Services' section is expanded, listing various offerings. A red circle highlights the 'IFR Chart Services' link, with a red arrow pointing to it. The main content area features several service categories with descriptive text and images. The 'Charting and Navigation Services' section includes a link to 'IFR Chart Services' and a description of the charts provided. The 'Trip Kits' section describes one-time purchase options for airway manual coverages. The 'Information and Reference Services' section mentions an airport directory and other information services. The 'GPS NavData Services' section describes electronic data for pilots. The Jeppesen logo is visible in the top right corner.

**Search**  
Enter Keyword(s)  
Search in:  
Entire Site Go

**Products & Services**

- Aviation Training
- Charting and Navigation Services**
- Flight Planning
- Custom Services
- 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**  
[IFR Chart Services](#)  
[Information and Reference Services](#)  
[NOTAM Service](#)  
[Airway Manual Accessories](#)

**Trip Kits**  
[Trip Kits](#)  
[GPS NavData Services](#)  
[VFR Services and Accessories](#)  
[Inflight Training Service](#)

**Charting and Navigation Services**  
[IFR Chart Services](#)  
Get the charts most widely used by pilots around the world. Find Standard Airway Manual Services (Revision and Trip Kits), Enroute Only Coverages, Airway Manual Express, Q-Service, FliteDeck and JeppView Services and more.

**Trip Kits**  
[Trip Kits](#)  
Trip kits allow you to purchase one of our standard Airway Manual coverages on a one-time basis for your next trip. Designed for the pilot who requires the most up-to-date enroute and terminal charts available. This service provides you with a one-time complete set of current charts for the geographic area you request. No revision services are provided. Including Standard Airway Manual Trip Kits, HP-4000, HP-6000 and Airport Qualification and Familiarization Service Trip Kits.

**Information and Reference Services**  
[Information and Reference Services](#)  
Jeppesen has an airport directory for every need. Check out the consolidated Airport Directory, or our new Electronic Airport Directory. Look here for Federal Aviation Regulation subscriptions, pilots and mechanics, the AIM, and other information services.

**GPS NavData Services**  
[GPS NavData Services](#)  
GPS NavData Services leads the way in providing the electronic data necessary for airline, corporate, and general aviation pilots to maximize GPS benefits -- today and tomorrow.

Jeppesen Home  
Products & Services  
About Us  
Customer Support  
Aviation Resources

**JEPPESSEN**

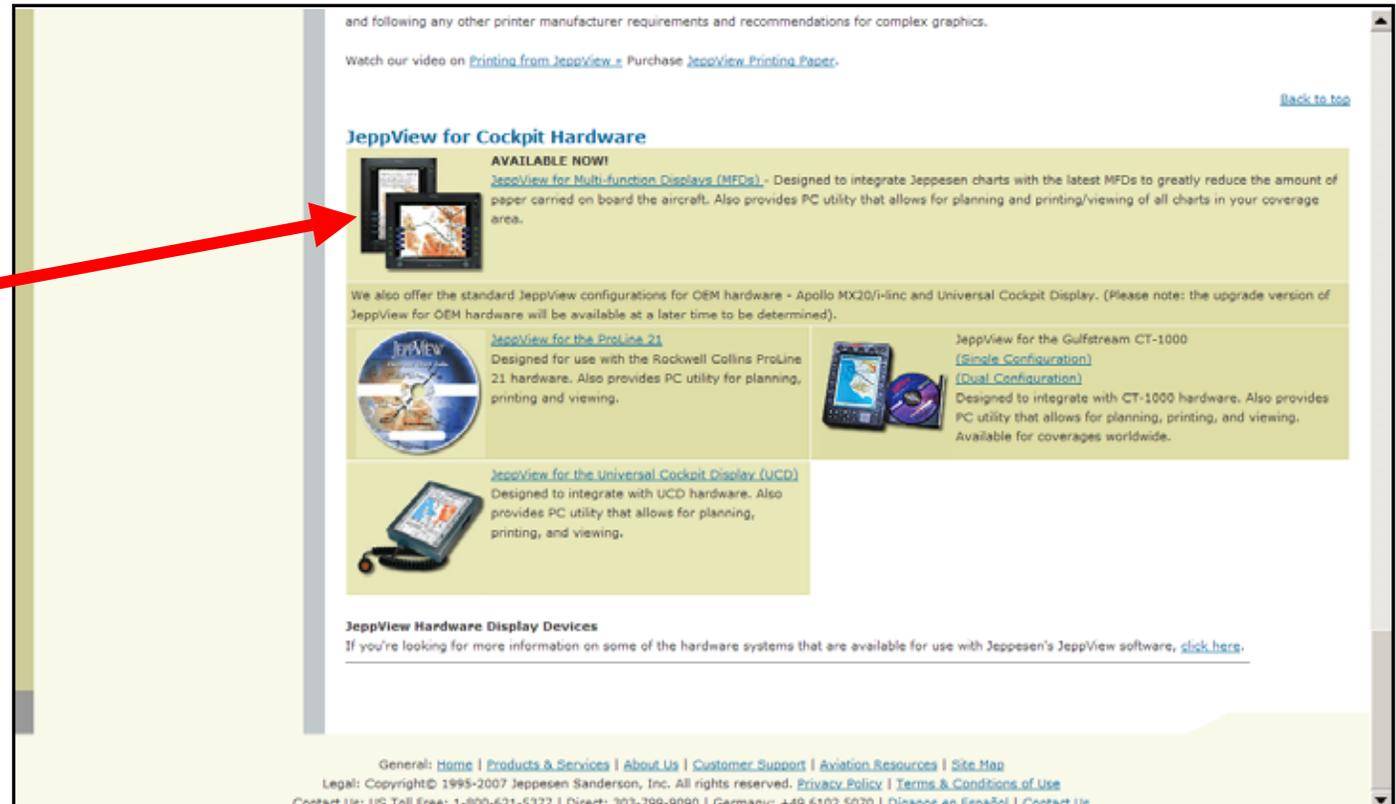
# Jeppesen Subscription Overview

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 corresponding section on the main page. The main page features a search bar, navigation links, and a list of services including 'Standard Airway Manual Services', 'Airway Manual Express', 'Q Service', 'Wall Charts', and 'Airport Qualification and Familiarization'. The 'Electronic Charting Services - JeppView' section is highlighted, showing a map of the United States and a description of the service. The Jeppesen logo is visible in the top right corner, and the JeppView logo is in the bottom right corner.

# 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 | [Displace an Equal](#) | [Contact Us](#)

# Jeppesen Subscription Overview

**Search**

Enter Keyword (e)

Search in:

Entire Site

---

**Products & Services**

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

---

**Sign In**

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

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**Weather**

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

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Jeppesen Home  
Products & Services  
About Us  
Customer Support  
Aviation Resources



**JEPPESEN**

[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**

# 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.

The screenshot displays the Jeppesen website's product page for 'JeppView for MFDs'. The page features a search bar at the top left, navigation links for 'Jeppesen Home', 'Products & Services', 'About Us', 'Customer Support', and 'Aviation Resources' at the top right. The main content area is titled 'JeppView for MFDs' and 'Jeppesen Electronic Chart Data for Multi-Function Displays'. It includes a description of the service, a contact number (1-800-621-0377), and a 'What's Included' section with icons and descriptions for: JeppView viewer application, Jeppesen Services Update Manager Application, JeppView electronic chart data (updated every 14 days), JeppView electronic text pages (updated as required), and Paper Enroute Charts and Area Charts (updated as required). A sidebar on the left contains sections for 'Products & Services', 'Sign In', and 'Weather'.

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

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

# Jeppesen Subscription Overview

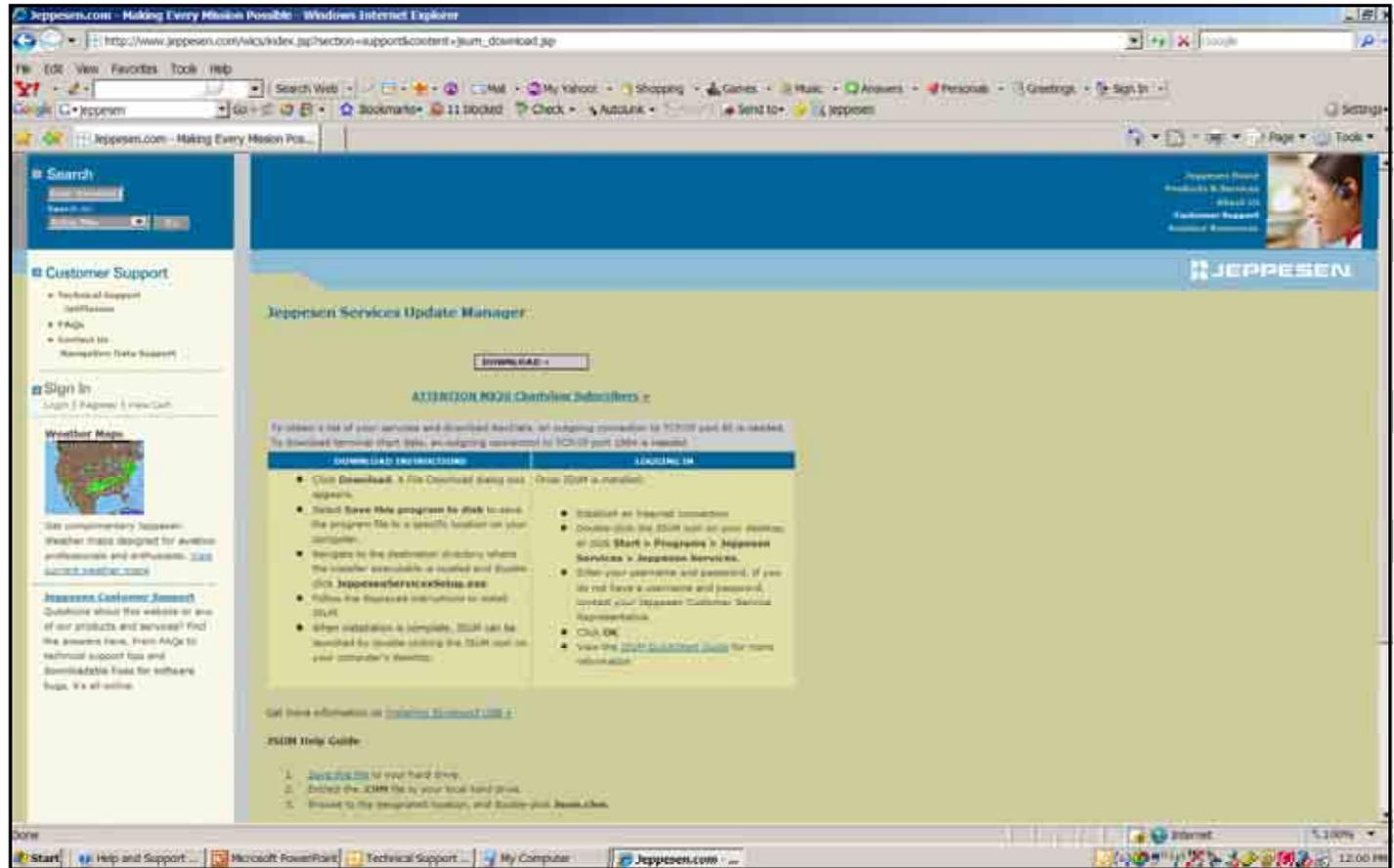
1. To place your order for the Jeppesen Electronic Chart Data for Multi-Function Display subscription and the Jeppesen NavData updates for your Avidyne MFD.

2. Contact Jeppesen  
7 Days per week  
6 AM-8 PM MT  
Call 1-800-621-5377

The screenshot displays the Jeppesen website's product page for 'JeppView for MFDs'. The page features a search bar at the top left, navigation links for 'Jeppesen Home', 'Products & Services', 'About Us', 'Customer Support', and 'Aviation Resources' at the top right. The main content area is titled 'JeppView for MFDs' and 'Jeppesen Electronic Chart Data for Multi-Function Displays'. It includes a description of the service, a list of supported MFDs (Avidyne and Garmin), and a 'What's Included' section with four items: 1) JeppView viewer application (with a CD-ROM icon), 2) Jeppesen Services Update Manager Application (with a CD-ROM icon), 3) JeppView electronic chart data (with a CD-ROM icon), and 4) JeppView electronic text pages (with a CD-ROM icon). A final item, 'Paper Enroute Charts and Area Charts', is listed at the bottom with an icon of a paper chart. A sidebar on the left contains a search bar, 'Products & Services' menu, 'Sign In' options, 'Weather' information, and a contact box with the phone number 1-800-621-5377 and hours of operation: 7 days per week, 6 a.m. - 8 p.m. MT.

# 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*

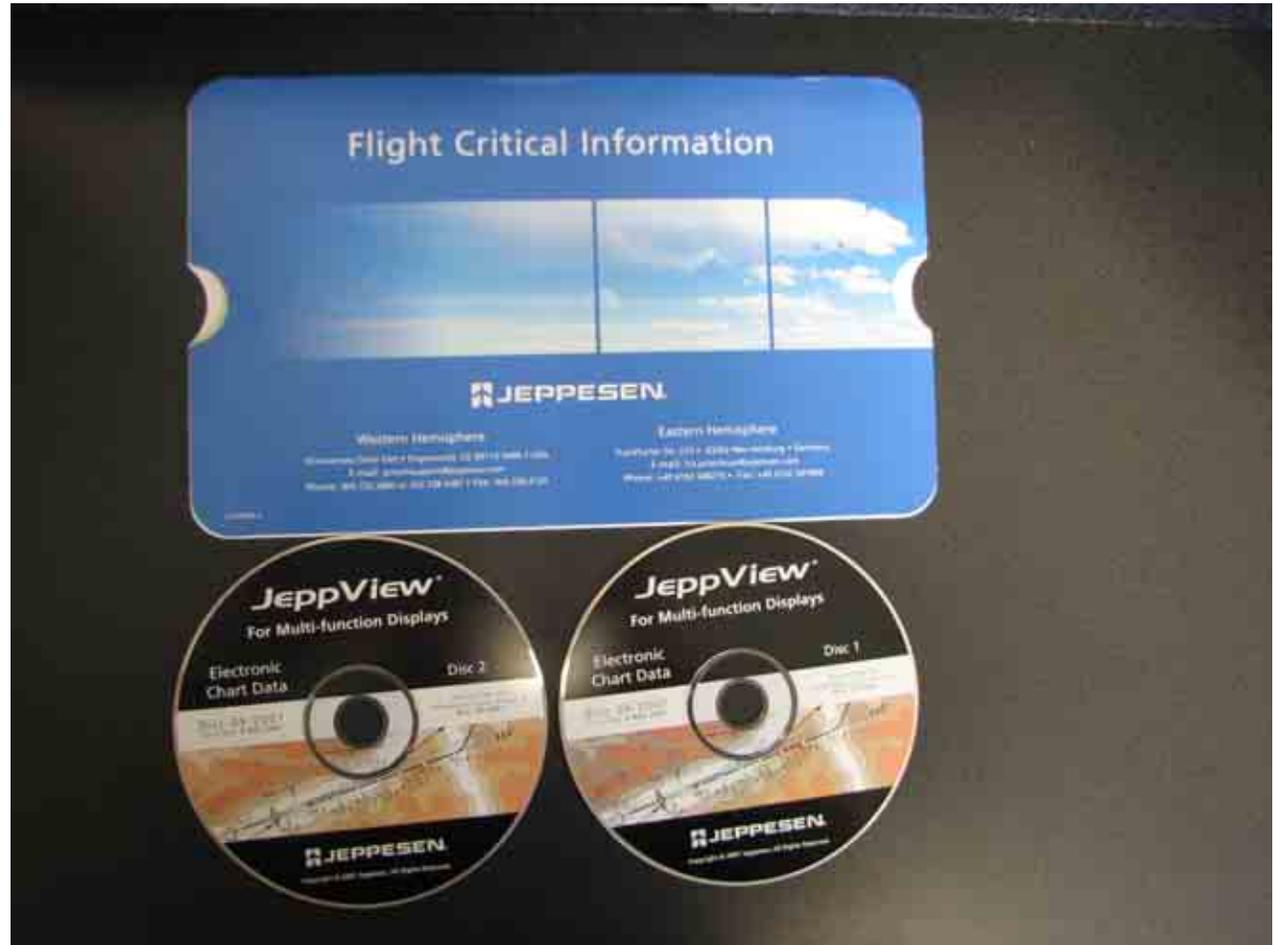
# Jeppesen Subscription Overview

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

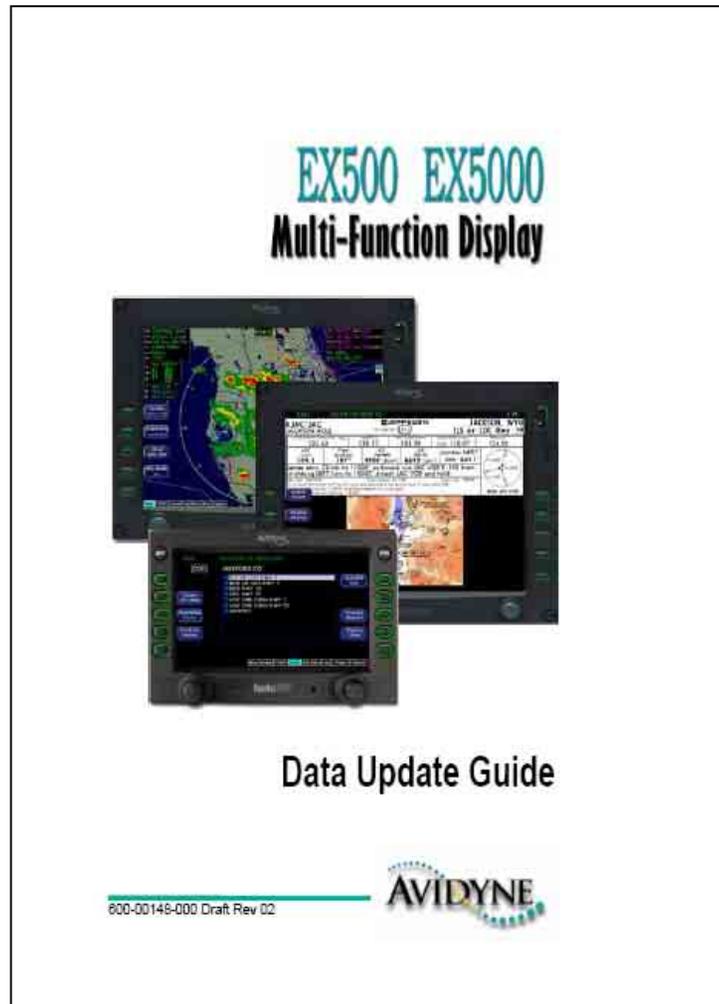
## NavData Update Procedures



# 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](http://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](http://www.Avidyne.com) for a list of approved USB Flash Memory Devices.



# Avidyne Approved USB Flash Memory Devices

## NavData Update Procedures

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

**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](http://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

The screenshot shows the Jeppesen website interface. On the left is a navigation sidebar with sections for 'Products & Services' (listing Aviation Training, Charting and Navigation Services, Flight Planning, Custom Services, and Pilot Supplies), 'Sign In' (with links for Login, Register, and View Cart), and 'Weather' (offering complimentary Jeppesen weather maps for aviation professionals and enthusiasts). A blue box at the bottom of the sidebar states '7 days per week 6 a.m. - 6 p.m. MT 1.800.621.5377'. The main content area is titled 'MFD Chart Services > Electronic Charting Services > JeppView for MFDs'. It features a heading 'JeppView for MFDs: Jeppesen Electronic Chart Data for Multi-Function Displays' and a paragraph explaining that JeppView for MFDs is the latest innovation from Jeppesen, reducing paper use by uploading charts directly to the MFD. Below this, it lists 'What's Included': the JeppView viewer application (for PC), the Jeppesen Services Update Manager Application (for in-flight use), JeppView electronic chart data (updated every 14 days), JeppView electronic text pages (updated as required), and Paper Enroute Charts and Area Charts (included with the service).

# 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.**

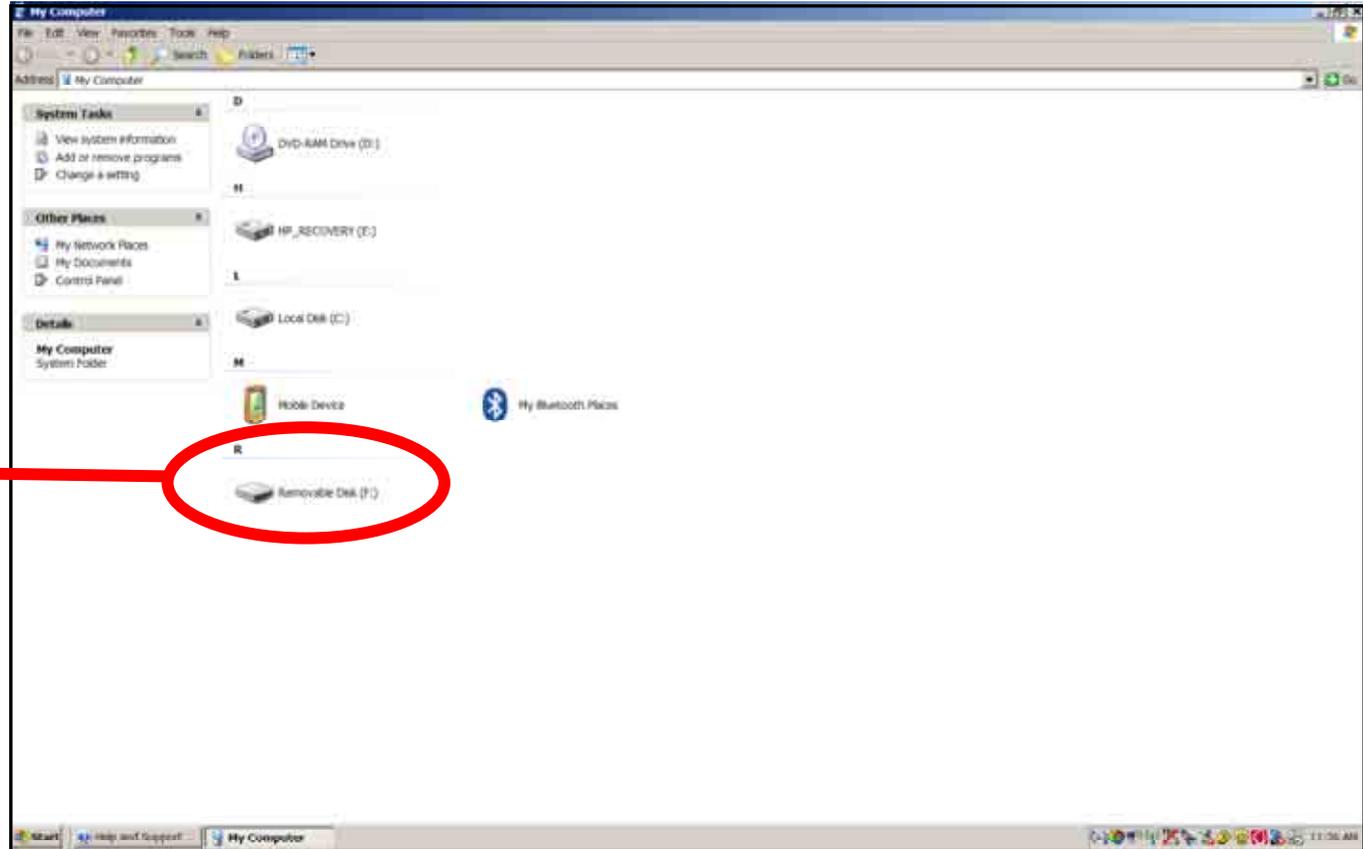


# Formatting the Zip Disk/USB Flash Drive

## NavData Update Procedures

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

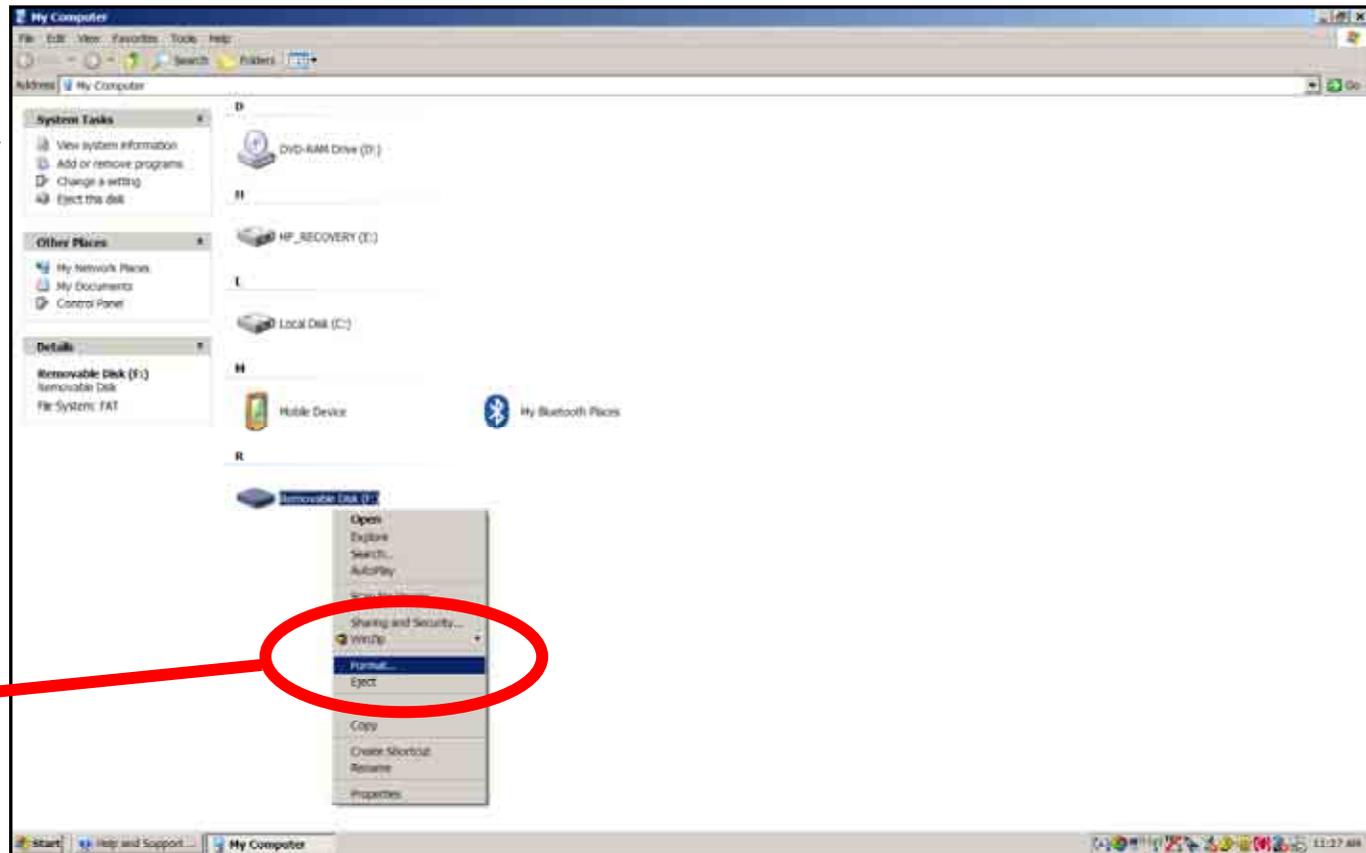
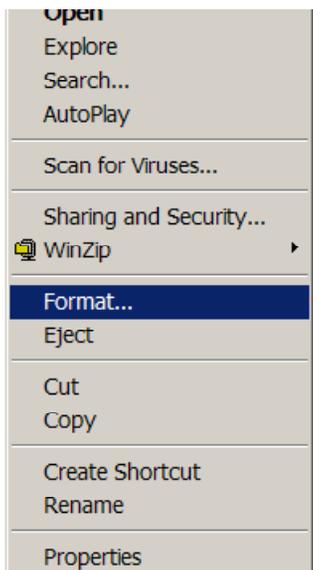
 Removable Disk (F:)



# Formatting the Zip Disk/USB Flash Drive

## NavData Update Procedures

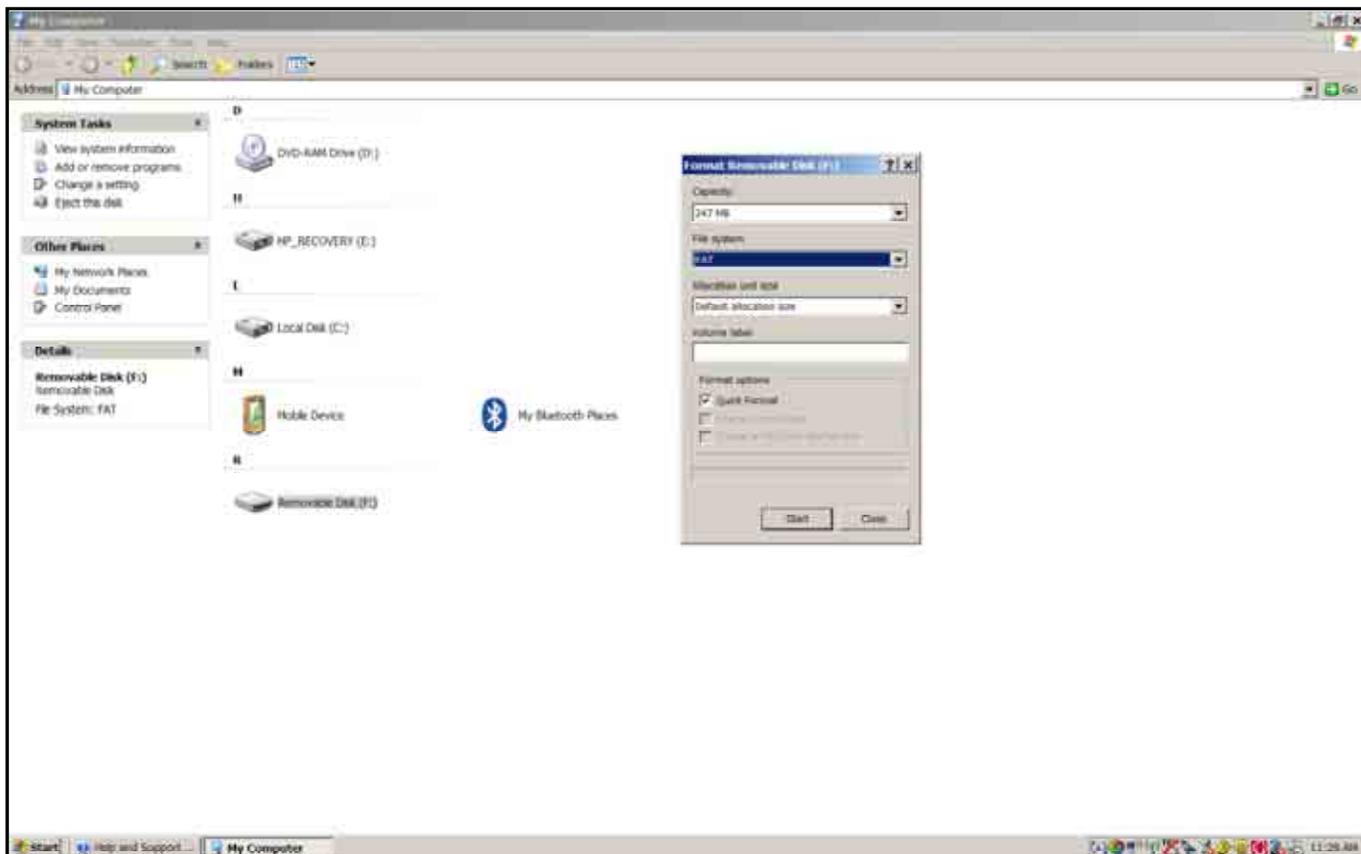
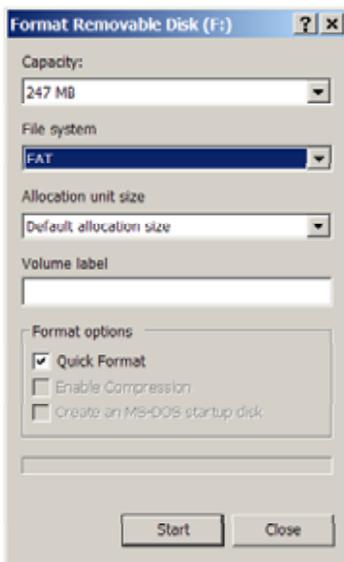
1. **Right Click the Removable Disk ( ) where your Zip Drive or USB Flash Memory Drive is connected to on your PC.**
2. **Then left click the option Format.**



# Formatting the Zip Disk/USB Flash Drive

## NavData Update Procedures

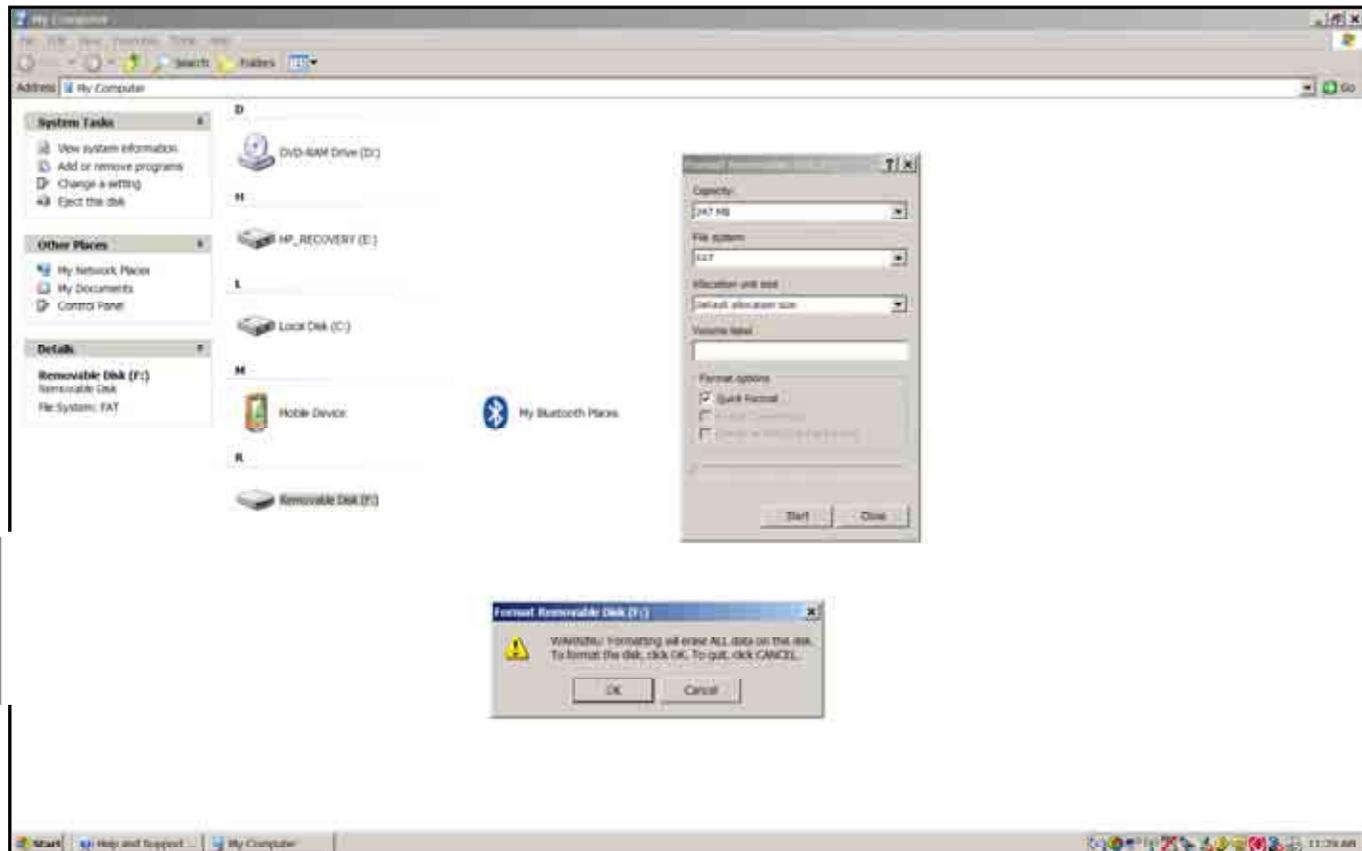
1. Then choose “FAT” under the File system selection.
2. Check Quick Format under Format Options.
3. The click Start.



# Formatting the Zip Disk/USB Flash Drive

## NavData Update Procedures

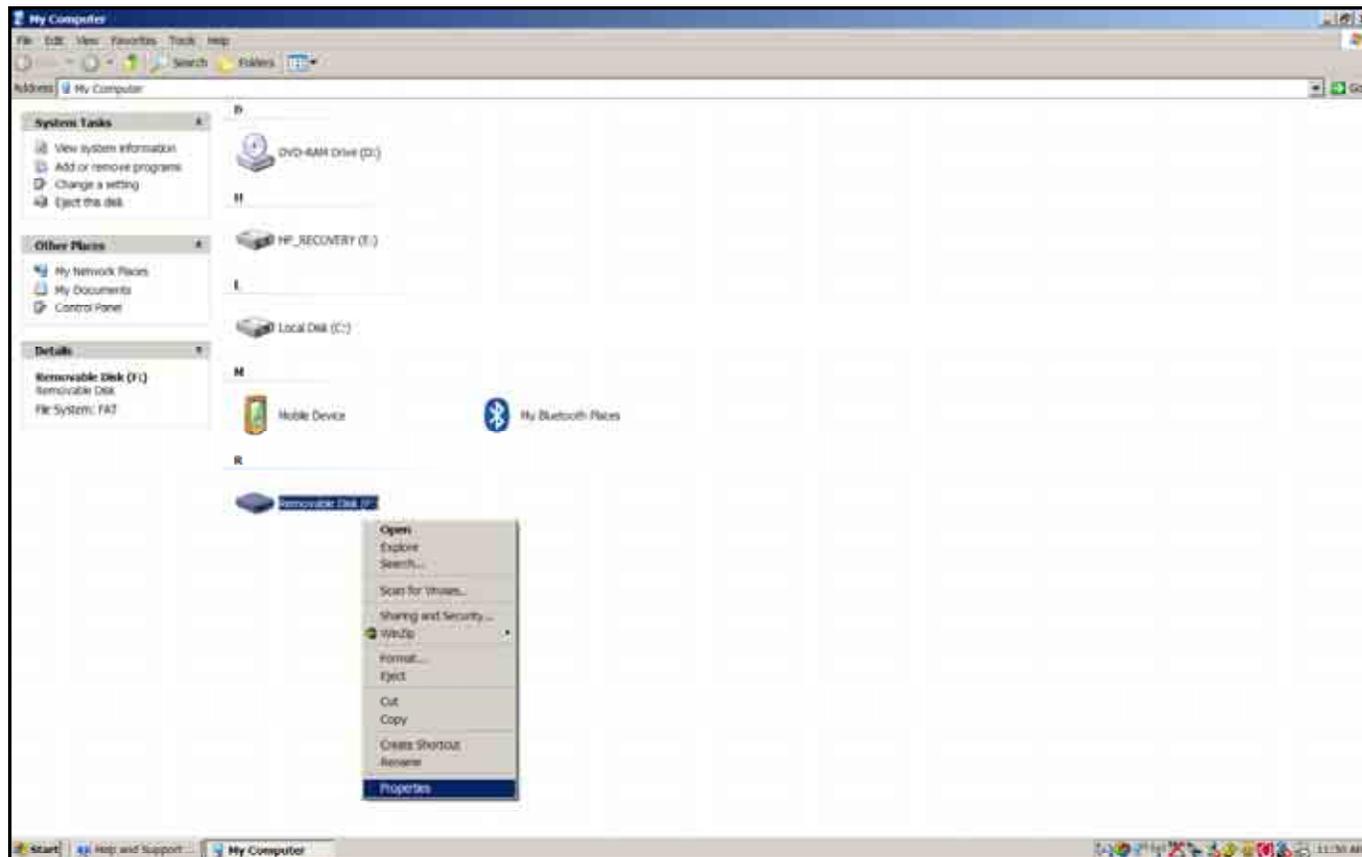
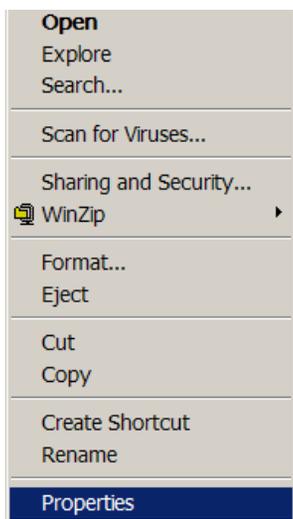
1. A Warning Box will display stating “WARNING: Formatting will erase ALL data on this disk. To format the disk, click OK, To quit, click CANCEL” You want to click OK to format and erase unnecessary data from the USB device.



# 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.

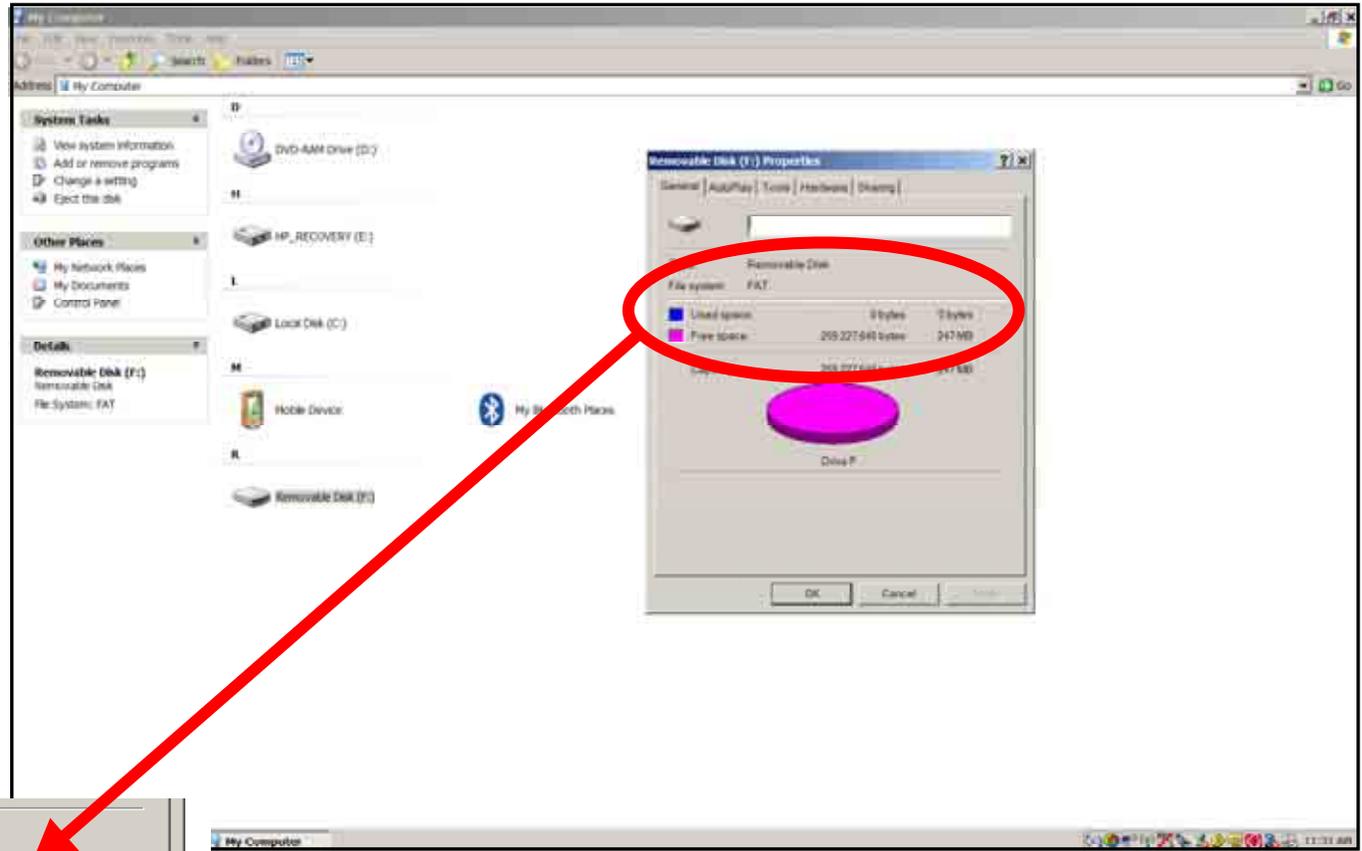


# Formatting the Zip Disk/USB Flash Drive

## 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 lomega Zip Disk Users: Do not install the lomega Tools disk on your PC. The lomega tools will not allow you to use the “FAT” file system format. If you already have the lomega 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/](http://www.u3.com/support/) or [www.u3.com/uninstall/](http://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](http://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.

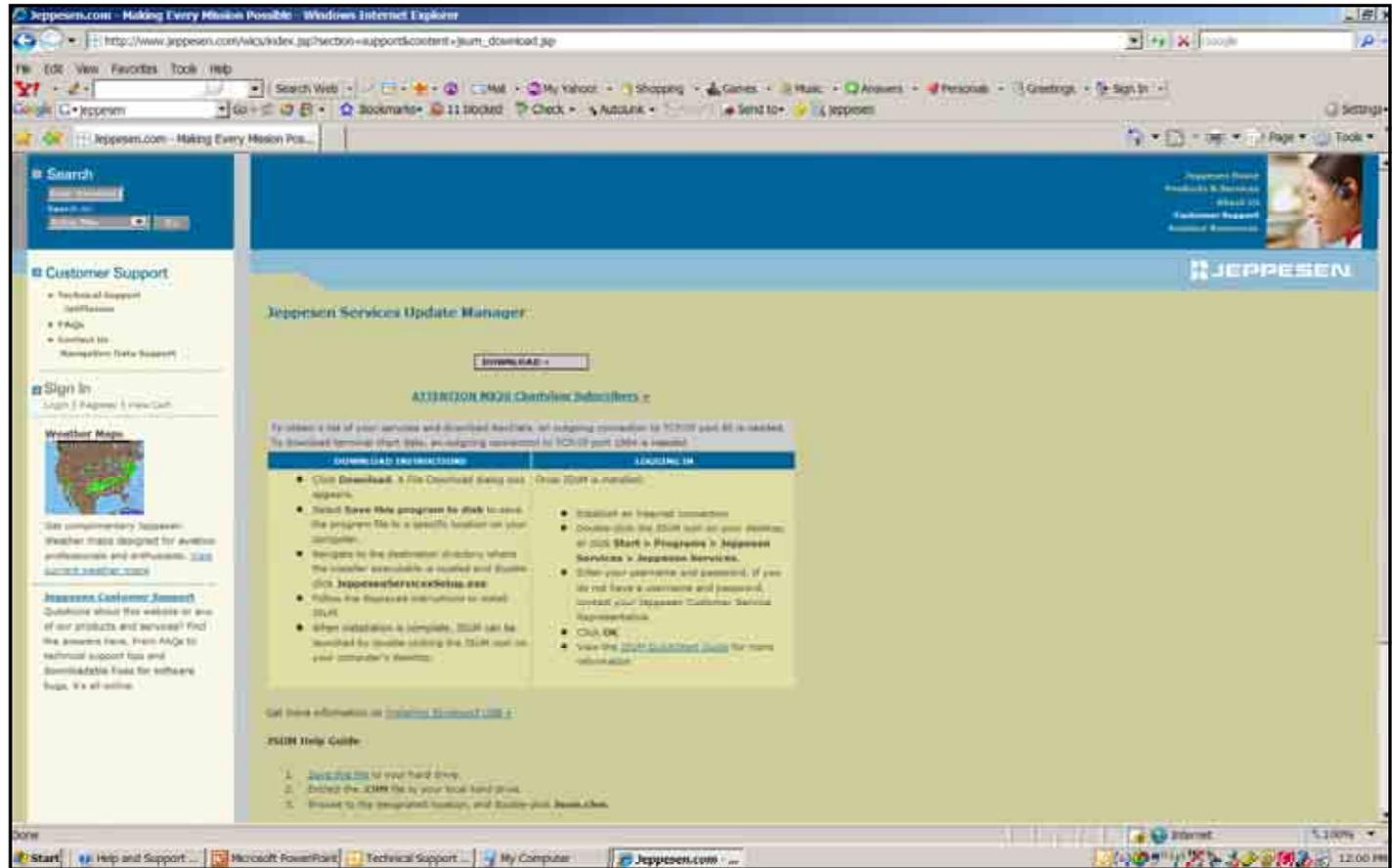
The screenshot displays the Jeppesen website homepage. At the top right, there is a navigation menu with links for 'Jeppesen Home', 'Products & Services', 'About Us', 'Customer Support', and 'Aviation Resources'. Below this is the 'JEPPESEN' logo. The main content area is divided into several sections:

- Search:** A search bar with 'Enter keyword' and a 'Go' button.
- Sign In:** Links for 'Login' and 'Register'.
- Weather Maps:** A map of the United States with weather data overlays. Text below reads: 'Get complimentary Jeppesen Weather maps designed for aviation professionals and enthusiasts. [View current weather maps](#)'.
- Jeppesen Quick Links:** A list of links including 'Careers@Jeppesen', 'Customer Support', 'FAQs', 'Feedback', 'Online Publications', 'Shop Online', and 'Skibound Services Update'.
- Other Jeppesen Sites:** A list of links including 'Airspace Design', 'Carmen Systems', 'Dealer Locator', 'EasyBrief', 'Loadsheet Weight & Balance', 'International Trip Planning', 'Jeppesen World Fuel Services', 'JetPlan.com', and 'NobeStar'.
- Making Every Mission Possible:** A central text block stating: 'For more than 70 years Jeppesen has made it possible for pilots and their passengers to safely and efficiently reach their destinations. Today this pioneering spirit continues as Jeppesen delivers information and technology-based information management tool sets essential to navigation and efficient operations management to air, sea and rail operators around the globe. Jeppesen is a subsidiary of Boeing Commercial Aviation Services, a unit of Boeing Commercial Airplanes.'
- Alerts:** A list of links: 'NavData & Chart Notices', 'NOTAMs and Alerts', 'Effective 07 JUN 07 Charts', and 'MR Vista Support Notice'.
- Software Updates:** A list of links: 'JeppView/FliteDeck version 3.3 Change Guide and Tutorial' and 'FliteStar Tutorial, User's Guide and Software Patches'.
- News and Current Events:** A list of links: 'EBACE 2007—Simplified Pricing for Int'l Trip Planning', 'Jeppesen to Standardize Runway Ingression Hot Spot Decisions', 'Jeppesen to Deliver EFB Solutions to ANA', and 'View All Press Releases'.
- Featured Product:** A section for 'SIMCharts 4.0 for Microsoft Flight Simulator X - now just \$49.95'. It includes a small image of the product box.
- Aviation Categories:** Six images with labels: 'Business Aviation', 'Commercial Aviation', 'General Aviation', 'Government and Military Aviation', 'Marine', and 'Rail and Logistics'.

# 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

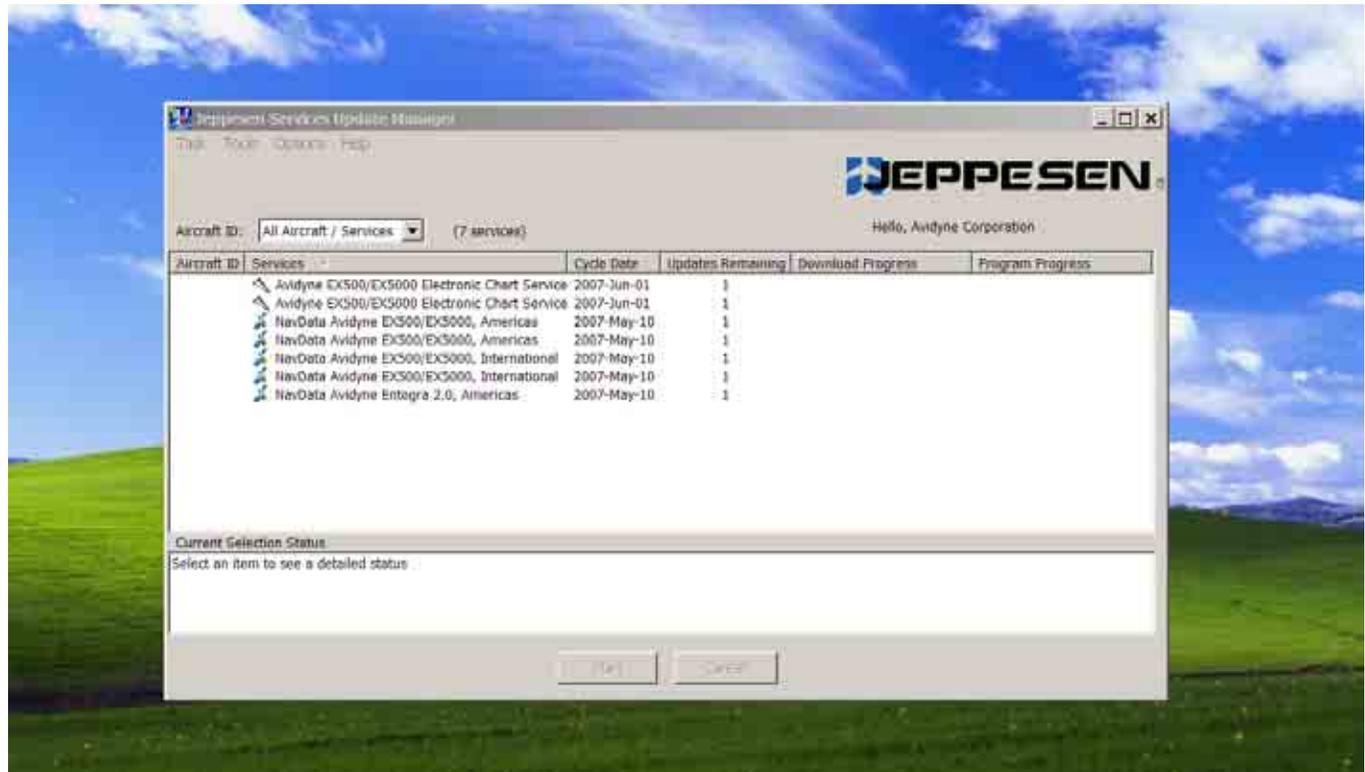
1. Next locate your JSUM Username and Password you have written down and log into JSUM.



# Updating NavData by JSUM

## NavData Update Procedures

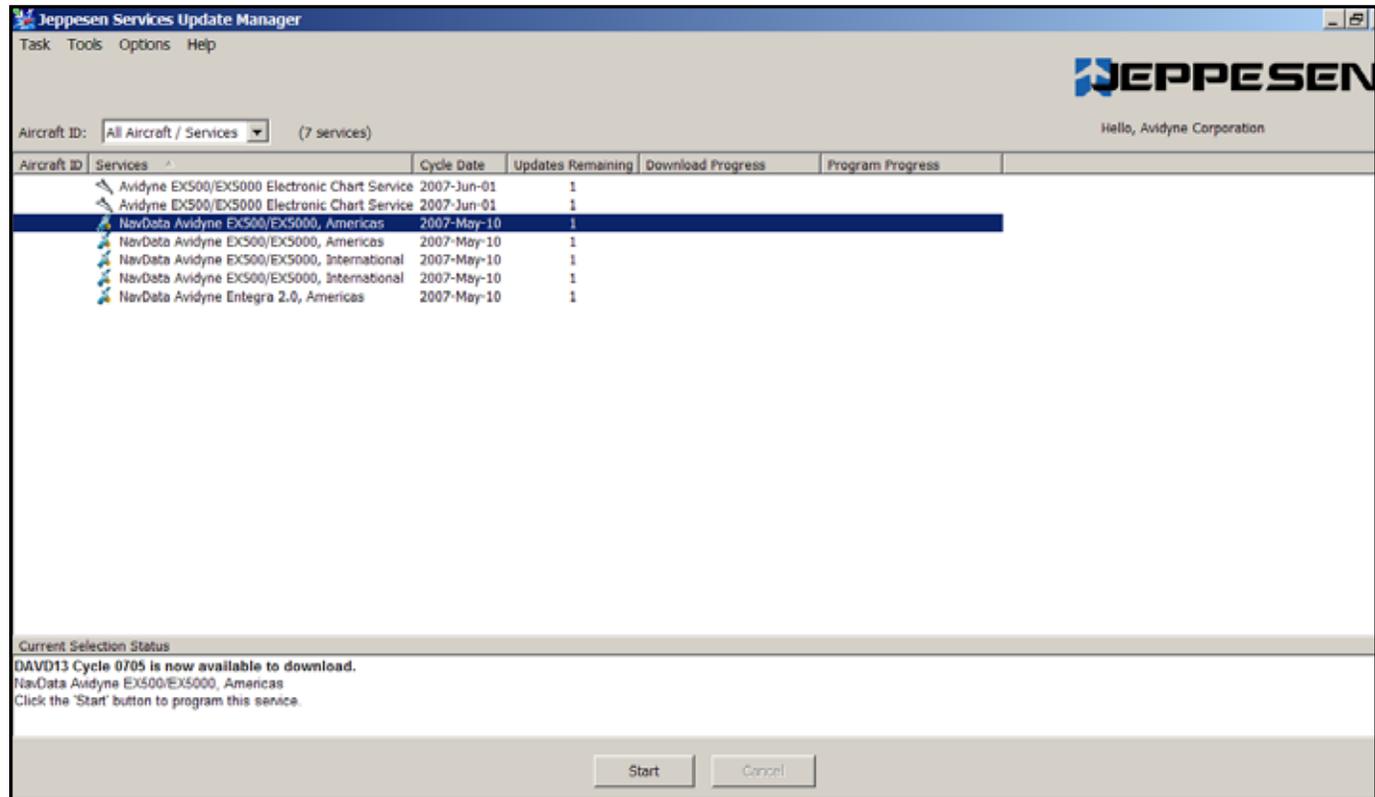
1. All your current Jeppesen subscriptions for your Avidyne MFDs will be shown.



# Updating NavData by JSUM

## NavData Update Procedures

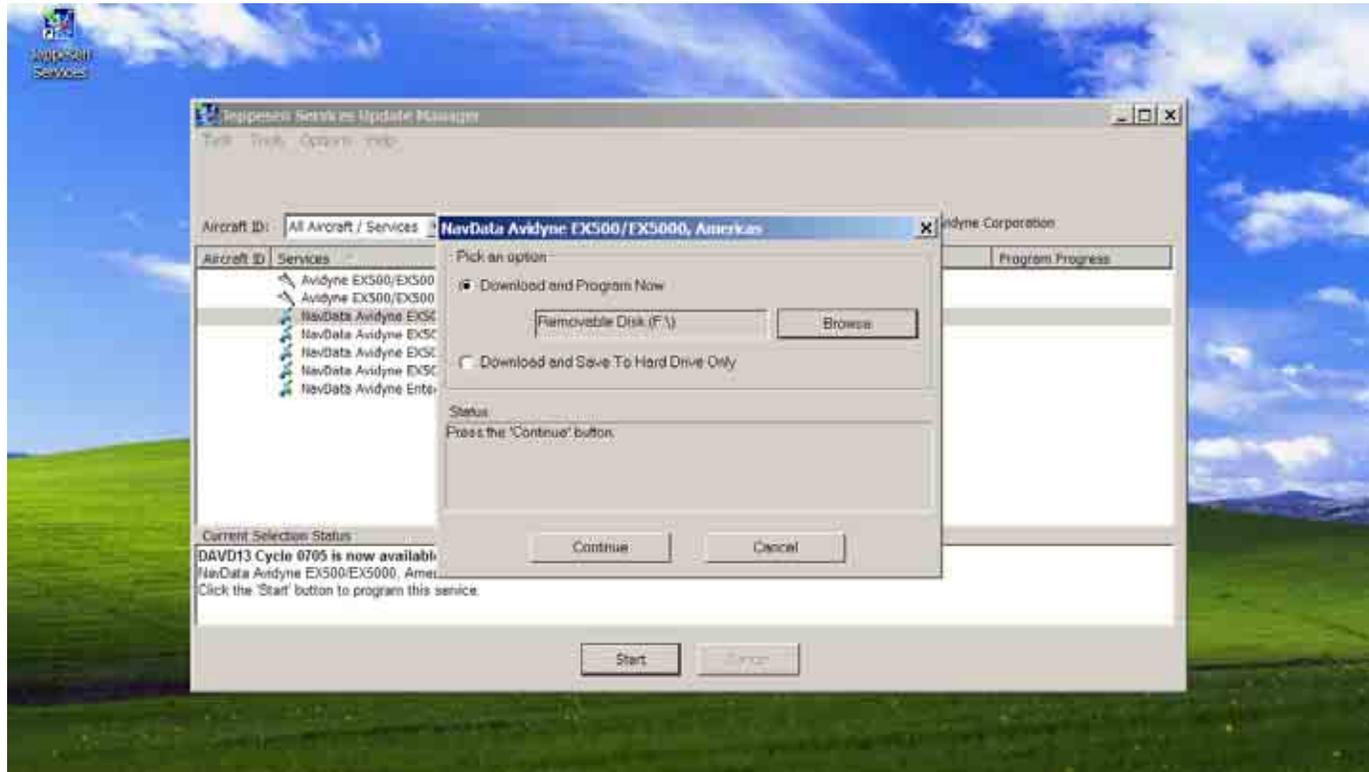
1. **Select the NavData Avidyne EX500/EX5000 for your region to download to your USB Flash Memory Drive/Zip Drive already connected to your PC.**



# Updating NavData by JSUM

## NavData Update Procedures

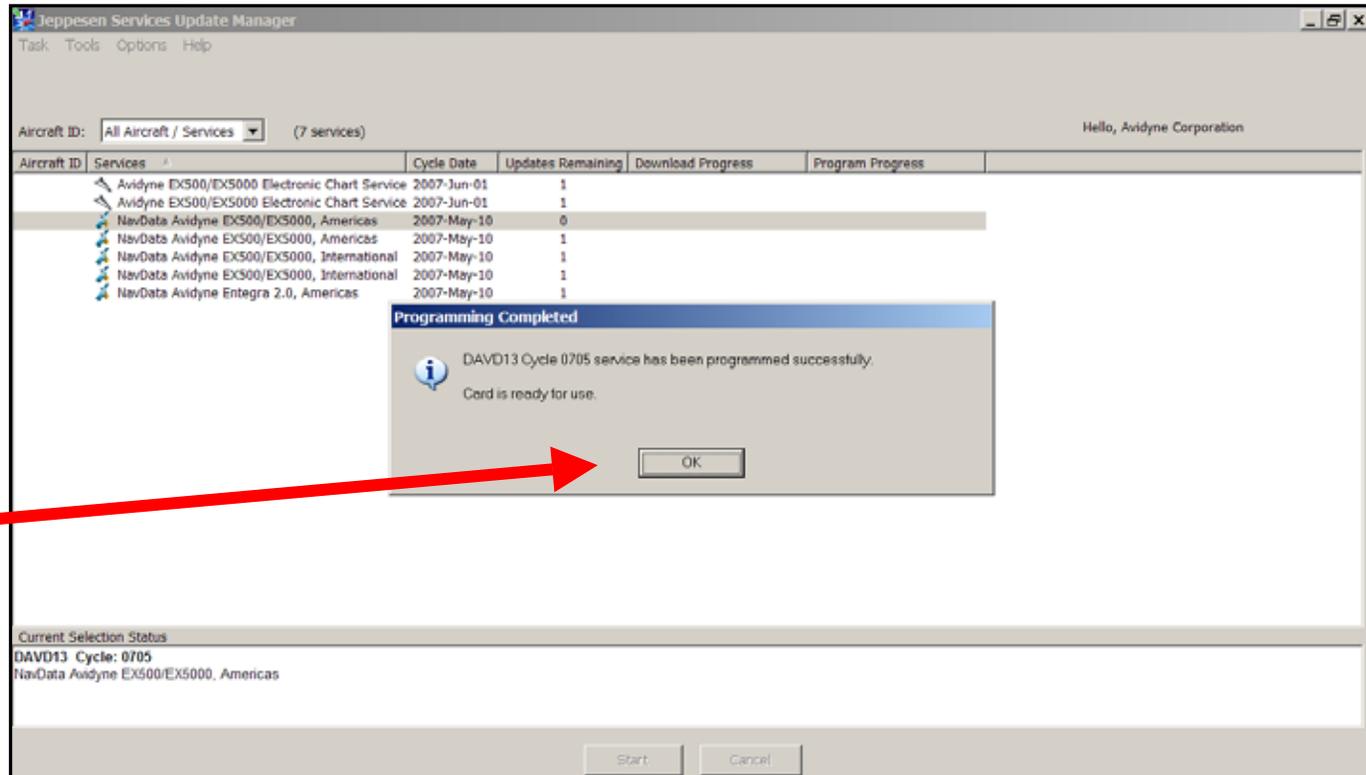
1. **Select the Download and Program Now option.**
2. **Next Browse for your Removable Disk drive where your USB Flash Memory Drive/Zip Drive is connected too.**
3. **Then click Continue.**



# 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

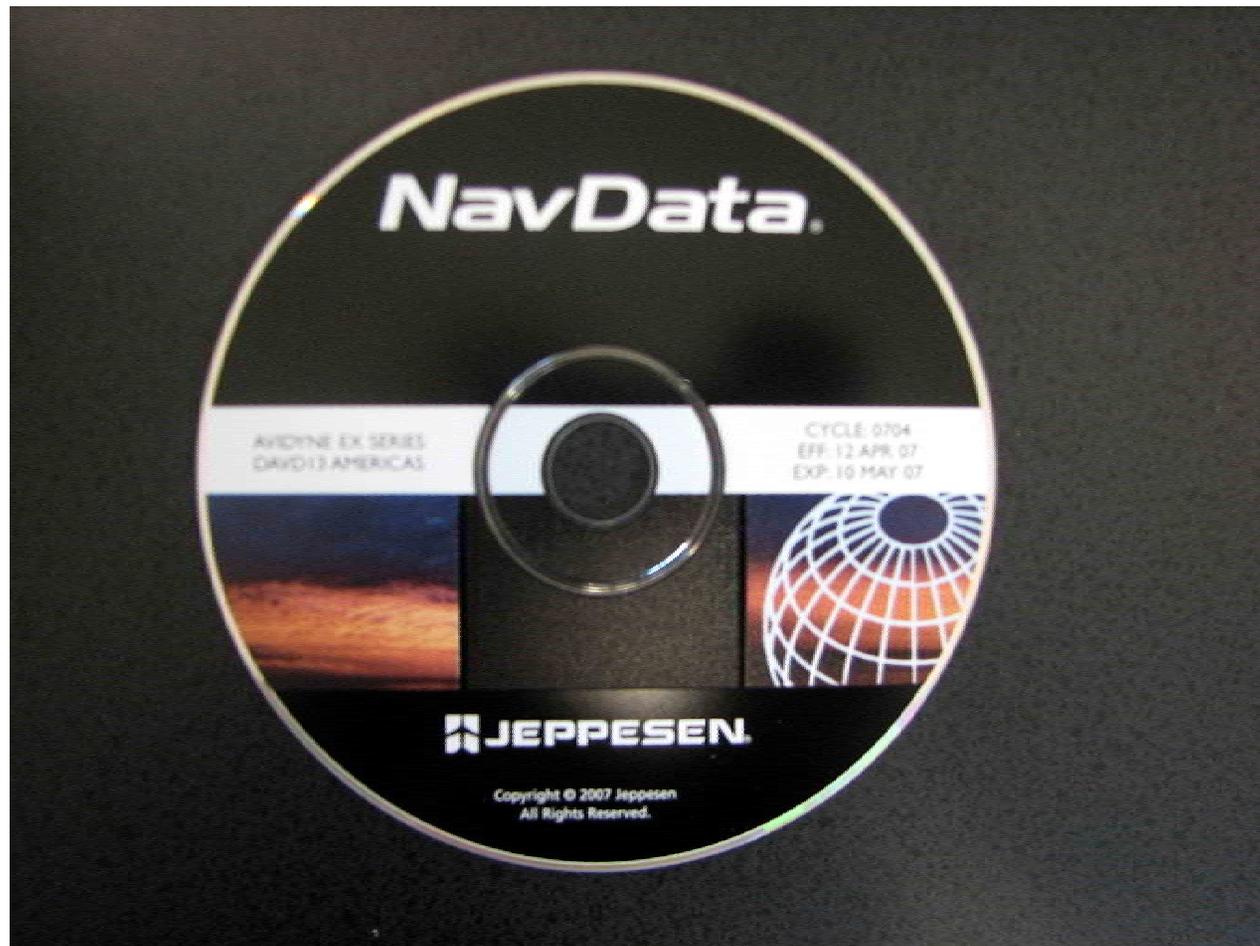
The screenshot shows the Jeppesen website interface. On the left is a sidebar with a search bar, 'Products & Services' menu, 'Sign In' options, and a weather widget. The main content area is titled 'JeppView for MFDs' and lists several services:

- JeppView viewer application:** Allows you to view and print Jeppesen charts (approach, arrival, departure, airport and class B airspace) from a ground-based PC for flight planning purposes.
- JeppView electronic chart data:** Allows you to update your Jeppesen charts (approach, arrival, departure, airport and class B airspace) every 24 days.
- JeppView electronic text pages:** Allows you to update your Jeppesen text pages. Updates are issued only as required.
- Paper Enroute Charts and Area Charts:** Included with your JeppView for Multi-Function Displays service. Updates are issued only as required.

# Updating NavData by Jeppesen CDs

## NavData Update Procedures

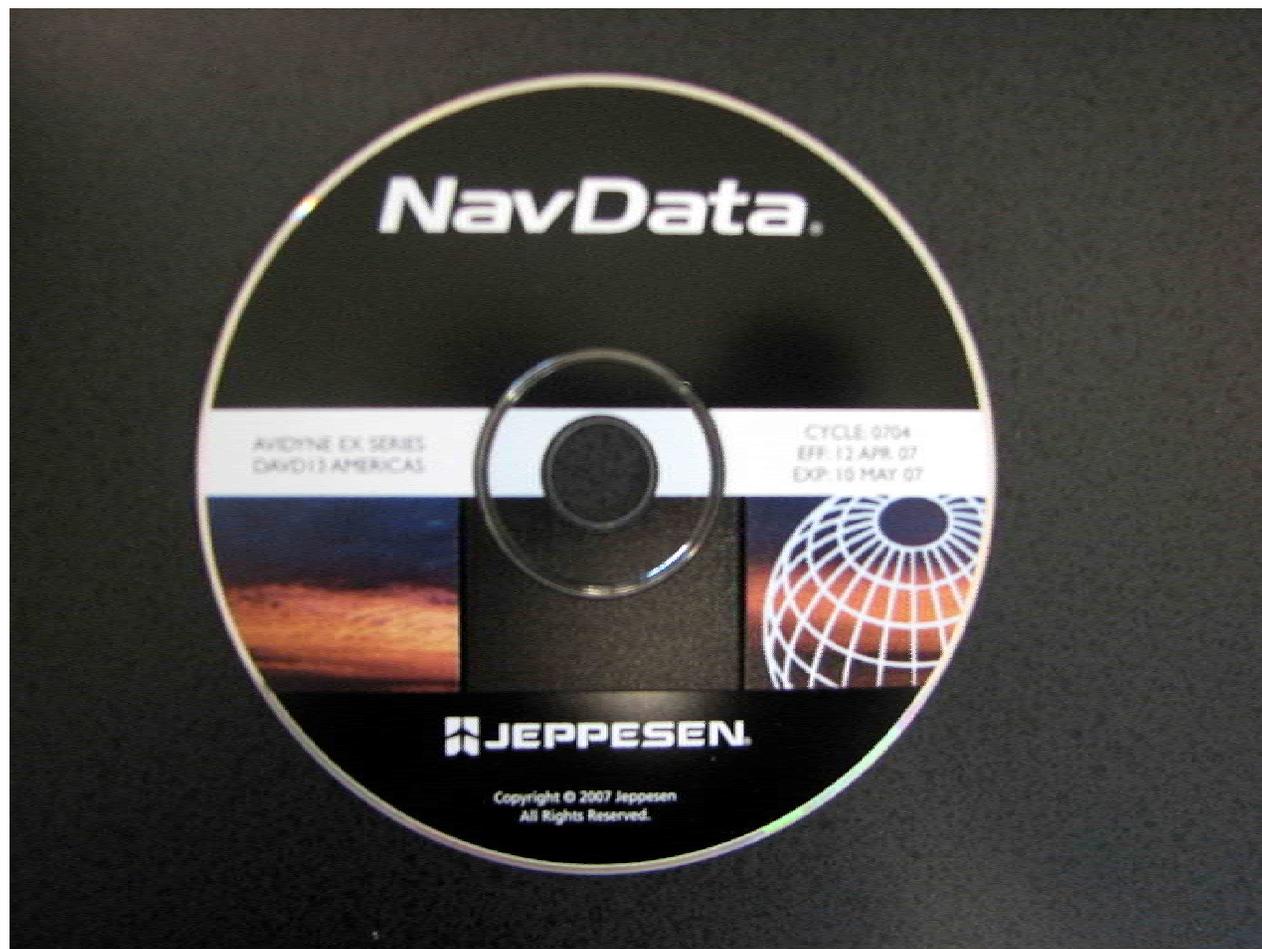
1. You will receive your Jeppesen NavData updates CDs by mail.



# Updating NavData by Jeppesen CDs

## NavData Update Procedures

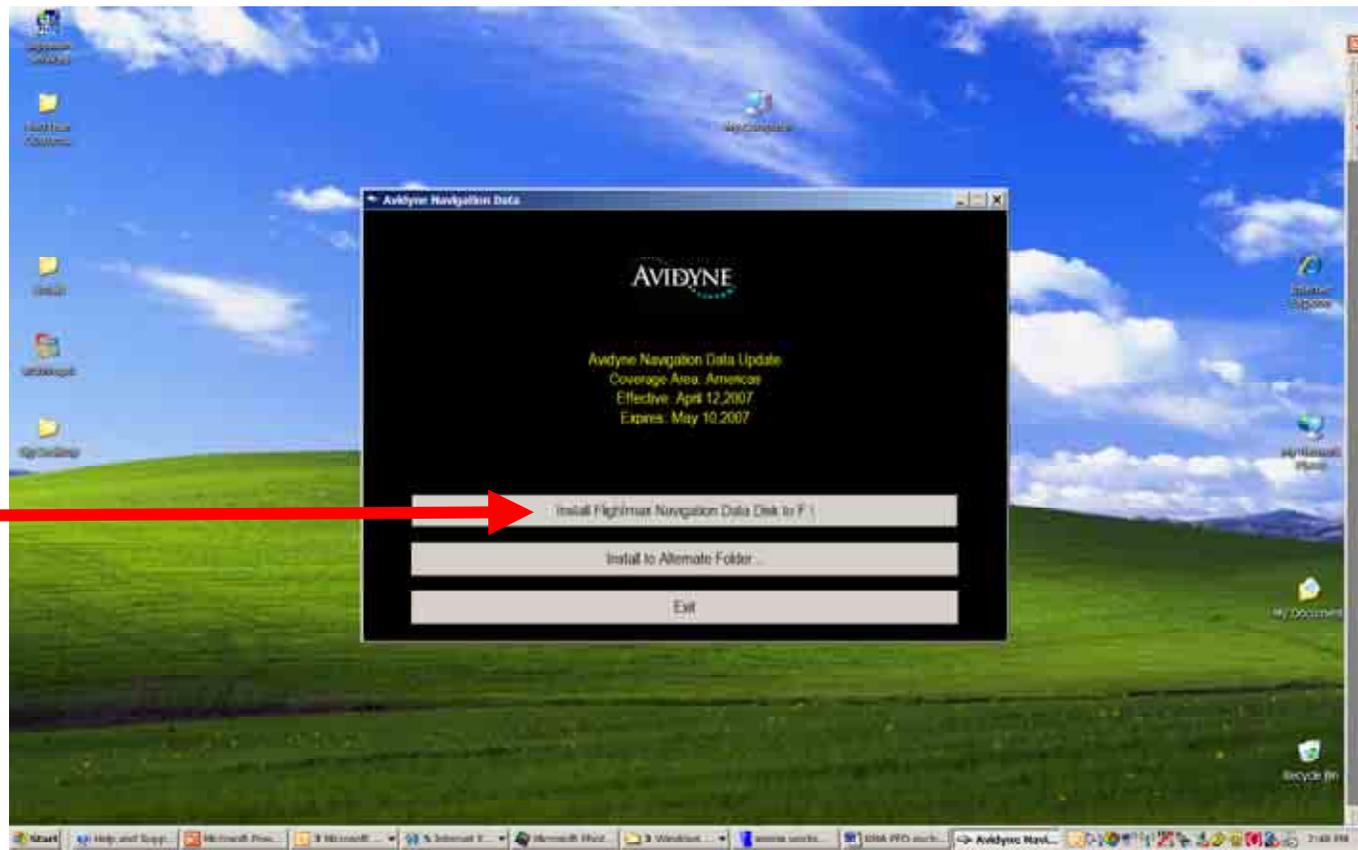
1. **First, verify that your “FAT” formatted USB Flash Memory Drive/Zip Drive is still connected to your PC.**
2. **Next, take your Jeppesen NavData update CD and insert it into your PC.**



# 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

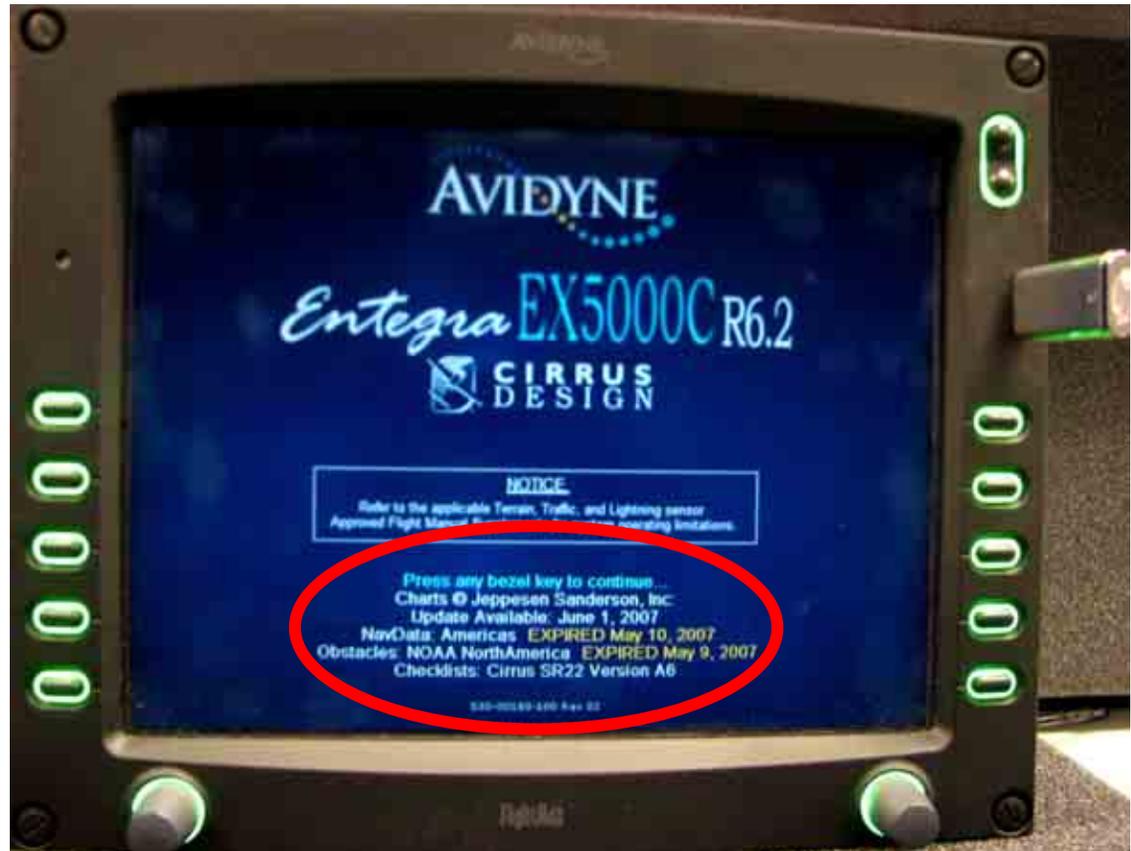
1. **First verify you have adequate power supply and a completely charged aircraft battery or ground power unit to power your MFD.**
2. **Carefully remove the USB cover so you can connect your Zip Drive dataloader to your MFD USB port with the Zip disk not inserted.**
3. **Then power up your Aircraft 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

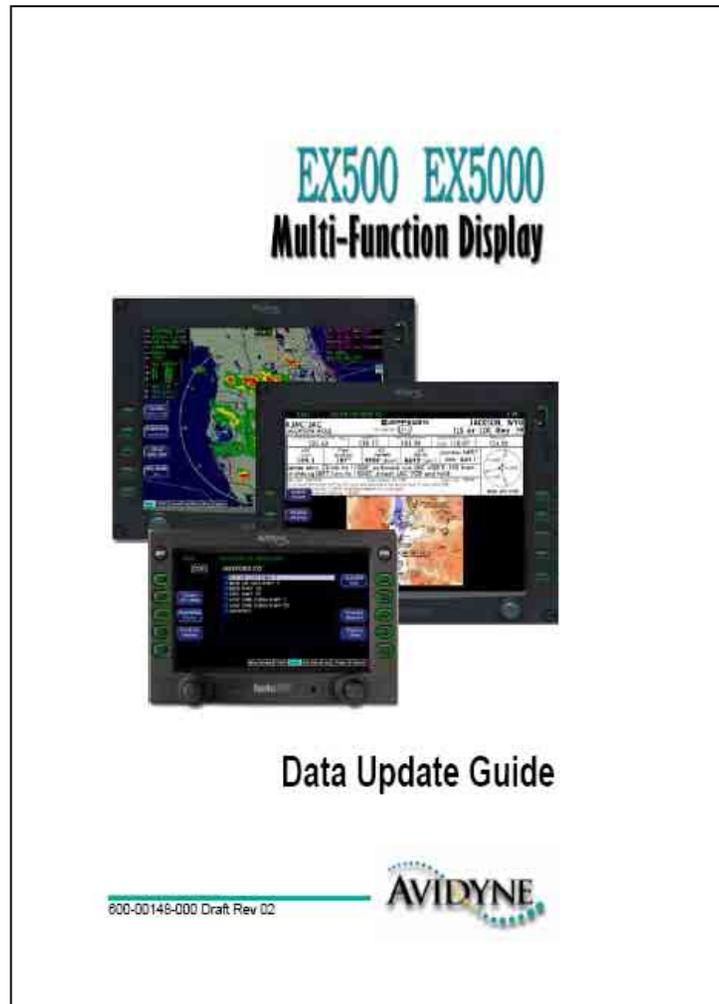


# CMax Chart Data Update Procedures

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](http://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](http://www.Avidyne.com) for a list of approved USB Flash Memory Devices.



# Avidyne Approved USB Flash Memory Devices

## CMax Chart Data Update Procedures

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

**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](http://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

The screenshot shows the Jeppesen website interface. On the left is a navigation sidebar with sections for 'Search', 'Products & Services' (listing Aviation Training, Charting and Navigation Services, Flight Planning, Custom Services, and Pilot Supplies), 'Sign In', and 'Weather'. The main content area is titled 'JeppView for MFDs' and describes the 'Jeppesen Electronic Chart Data for Multi-Function Displays'. It highlights the benefits of JeppView for MFDs, such as reducing paper usage and improving situational awareness. A 'What's New' section lists several updates: the JeppView viewer application, the Jeppesen Services Update Manager Application, JeppView electronic chart data updates every 16 days, JeppView electronic text pages, and Paper Enroute Charts and Area Charts updates.

# CMax Chart Data Update Procedures

1. Go to [www.MyAvidyne.com](http://www.MyAvidyne.com)
2. Go to Return Account Users and log in using your saved User ID and Password and Click Login.

The screenshot shows the MyAvidyne.com website interface. At the top left is the AVIDYNE logo, and at the top right is the tagline "The Integrated Flight Deck Company" with a stylized airplane icon. The main content area is divided into three columns. The left column has 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 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 the right column is a "User ID & Password Help" button.

# Generating a CMax Key Code

## CMax Chart Data Update Procedures

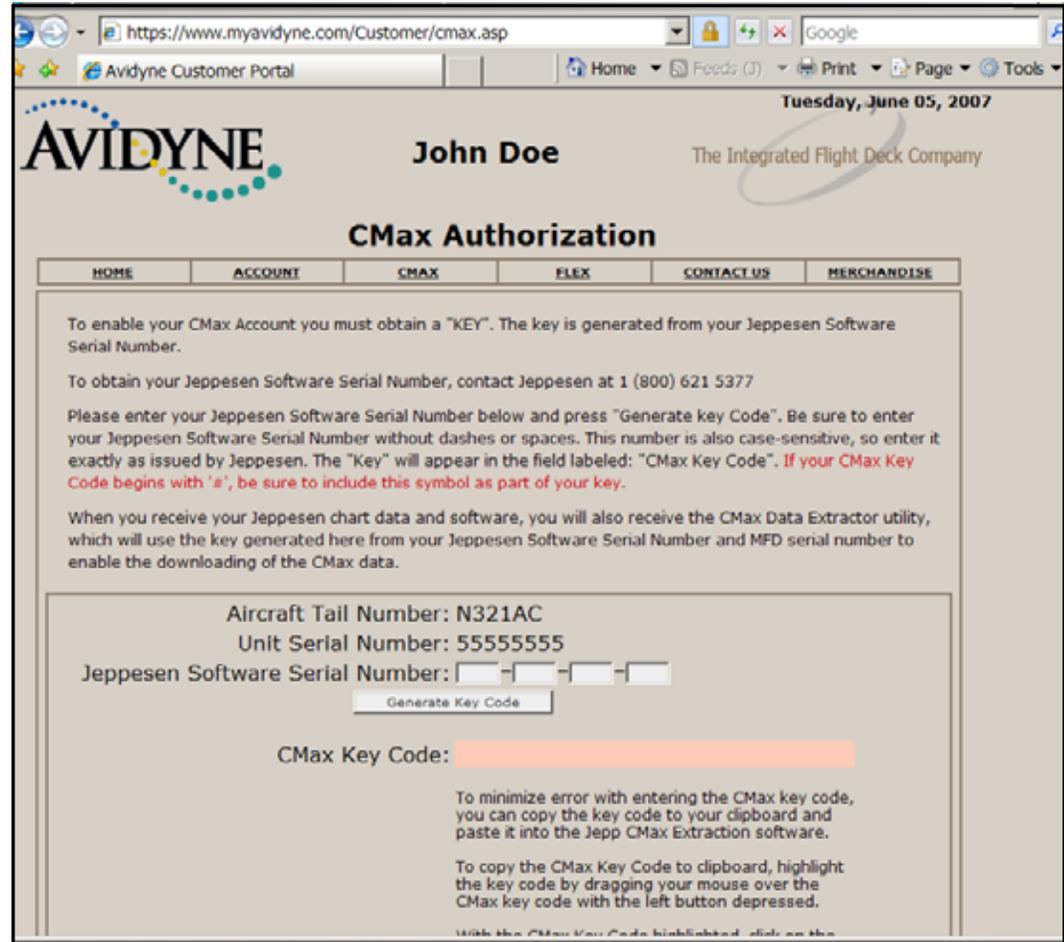
1. Verify your Jeppesen Software Serial Number on the package that you recieved from Jeppesen or call Jeppesen.
2. Next click on CMax Key Code menu to generate a Avidyne CMax Key Code.



# 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 at 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 is "Tuesday, June 05, 2007". The main heading is "CMax Authorization". Below this is a navigation menu with links for HOME, ACCOUNT, CMAX, FLEX, CONTACT US, and MERCHANDISE. The main content area 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 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 menu with links for HOME, ACCOUNT, CMAX, ELEX, CONTACT US, and MERCHANDISE. The main content area contains instructions for generating a key code. A red arrow points from the text 'Next click on Generate Key Code.' to the 'Generate Key Code' button. The form fields are as follows:

Aircraft Tail Number:	N321AC			
Unit Serial Number:	55555555			
Jeppesen Software Serial Number:	EXJ5	AB34	56DF	GH98
<input type="button" value="Generate Key Code"/>				
CMax Key Code:	<input type="text"/>			

Additional text on the page includes: '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.', '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.', and 'With the CMax Key Code highlighted, click on the'.

Aircraft Tail Number: N321AC

Unit Serial Number: 55555555

Jeppesen Software Serial Number: EXJ5 AB34 56DF GH98

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.

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

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: 5555555  
Jeppesen Software Serial Number: EXJ5-AB34-56DF-GH98

Generate Key Code

CMax Key Code: 8jDGIbxig5xdylafe912BYV

Aircraft Tail Number: N321AC  
Unit Serial Number: 5555555  
Jeppesen Software Serial Number: EXJ5-AB34-56DF-GH98

Generate Key Code

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-SGDF-GH98) and provides a 'Generate Key Code' button. Below this, the generated CMax Key Code is displayed as 8jDGIbxig5xdylafe912BvV, which is highlighted in orange. A 'Copy to clipboard' button is located below the key code. The page also includes a footer with links for Logout, Privacy, Terms of Use Agreement, and Disclaimer, and a copyright notice for © 2005 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-SGDF-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.**

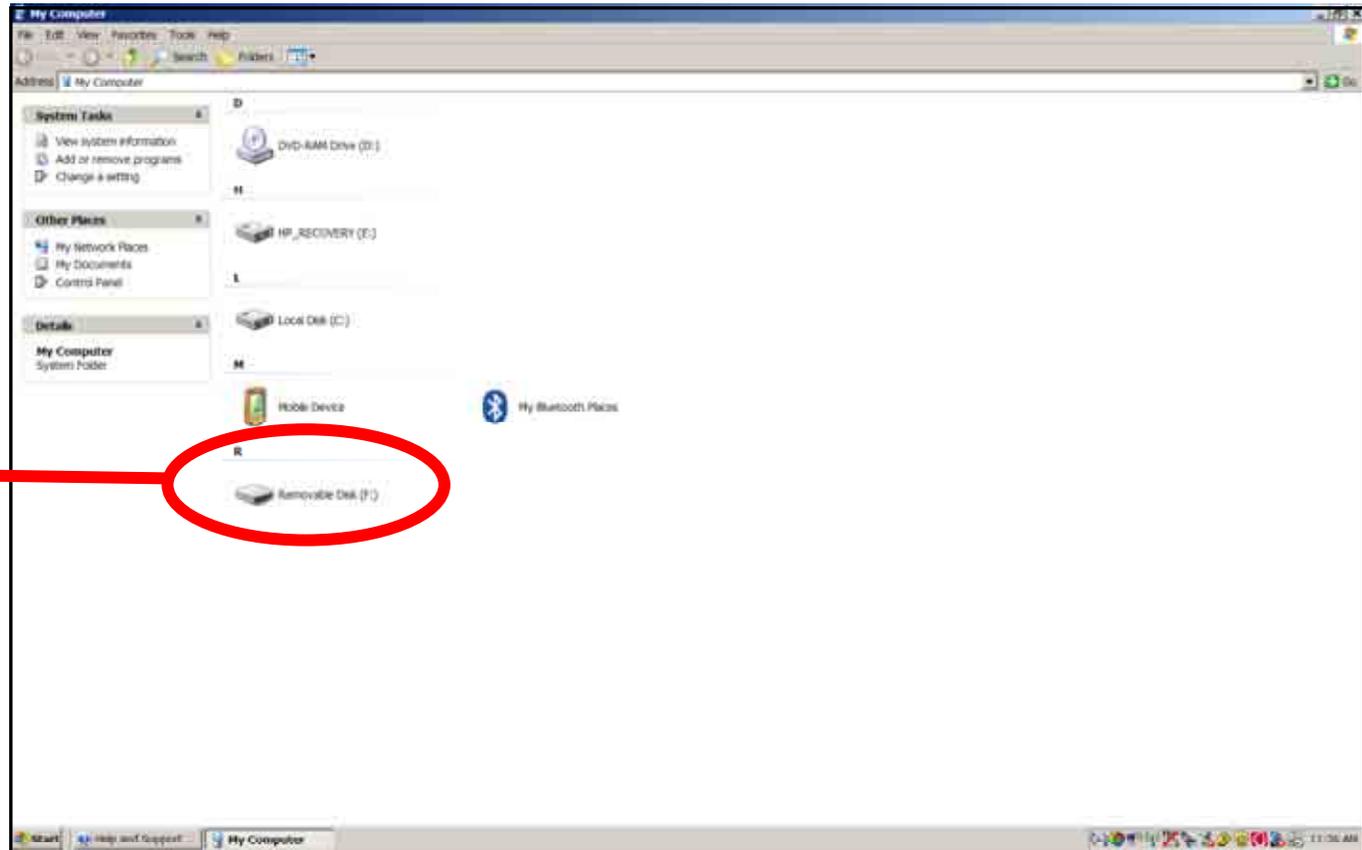


# Formatting the Zip Disk/USB Flash Drive

## 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.

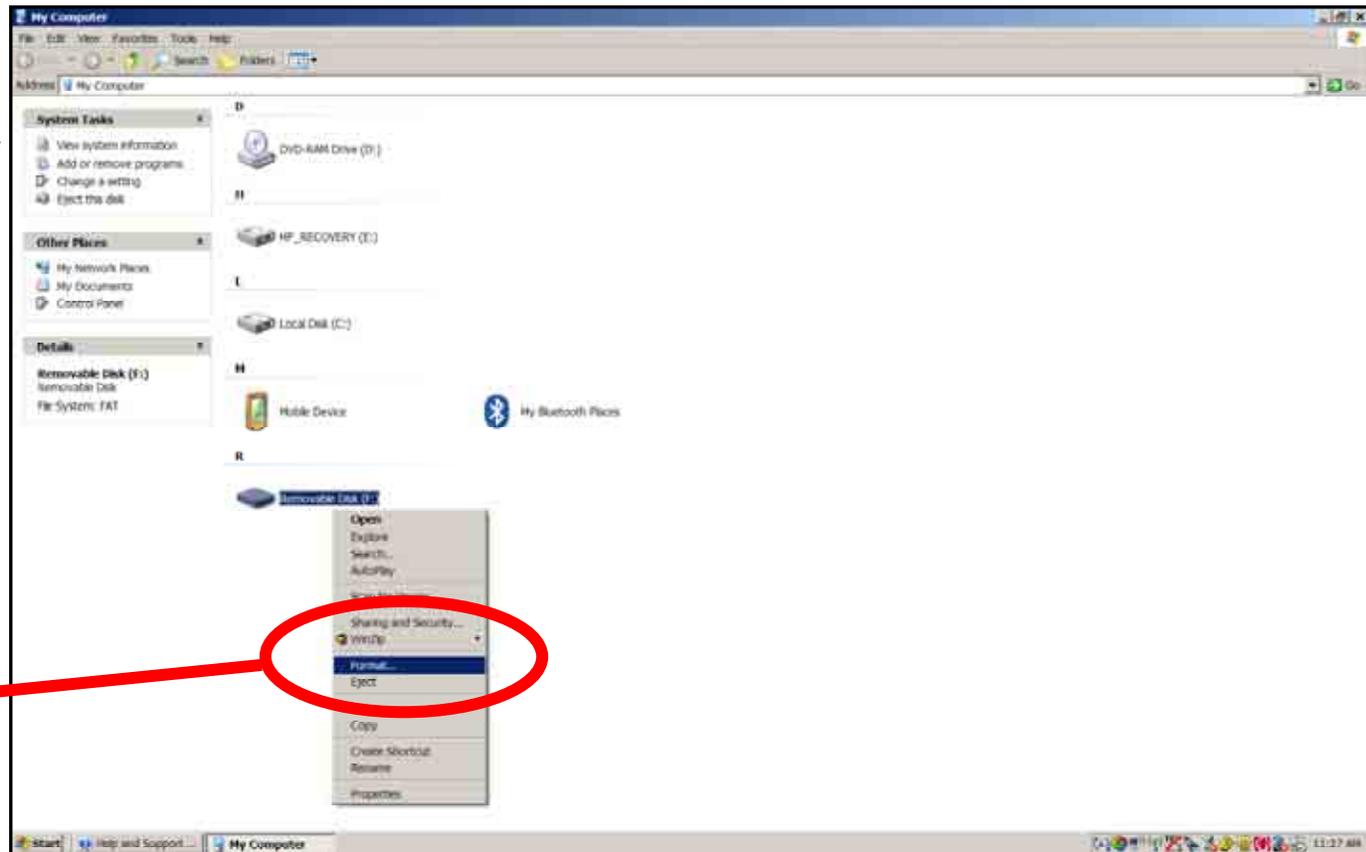
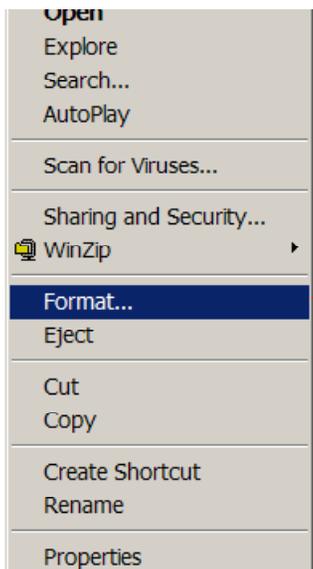
 Removable Disk (F:)



# Formatting the Zip Disk/USB Flash Drive

## CMax Chart Data Update Procedures

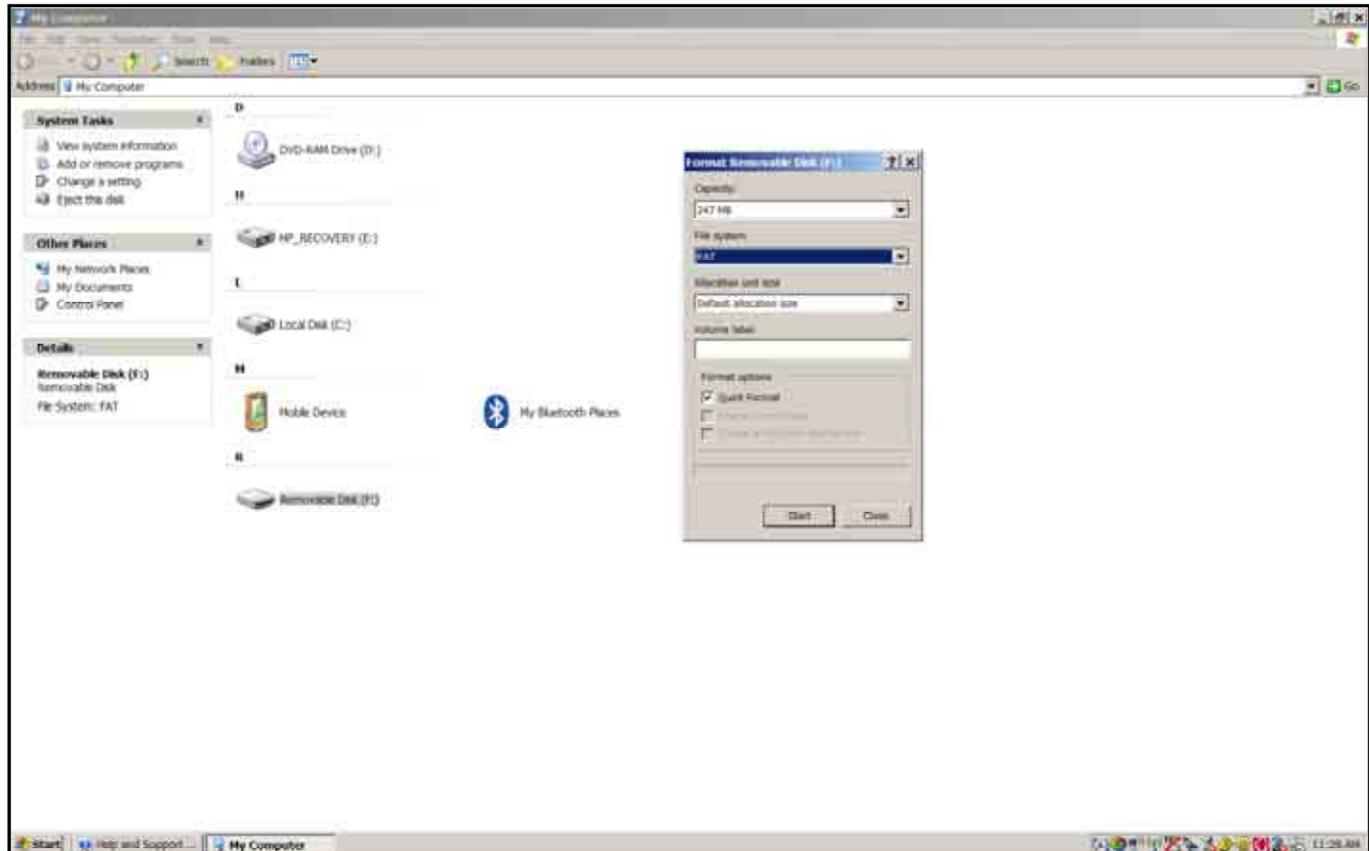
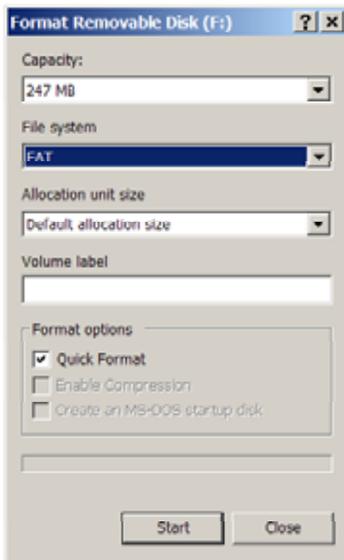
1. Right Click the Removable Disk ( ) where your Zip Drive or USB Flash Memory Drive is connected to on your PC.
2. Then left click the option **Format**



# Formatting the Zip Disk/USB Flash Drive

## CMax Chart Data Update Procedures

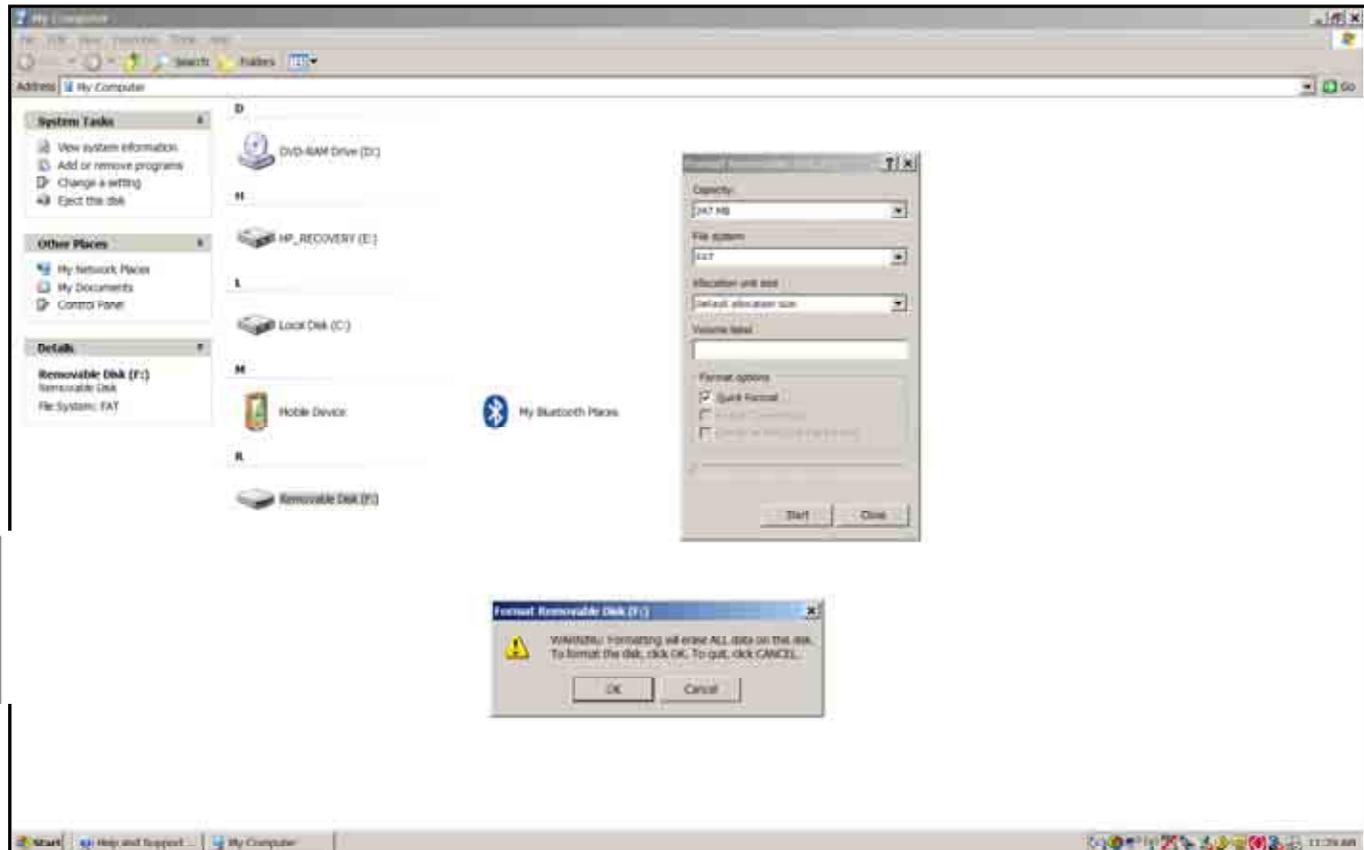
1. Then choose “FAT” under the File system selection.
2. Check Quick Format under Format Options.
3. Then click Start.



# Formatting the Zip Disk/USB Flash Drive

## CMax Chart Data Update Procedures

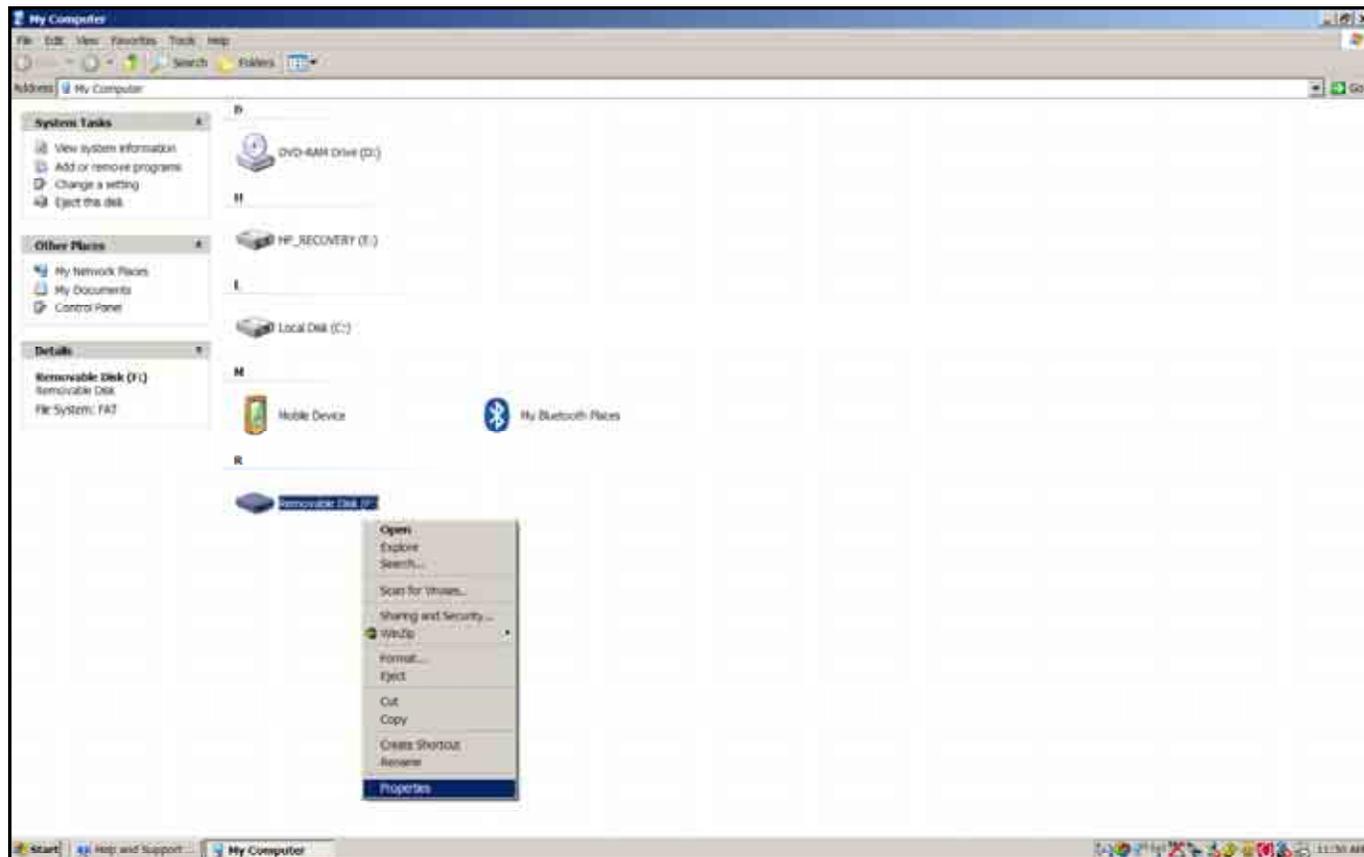
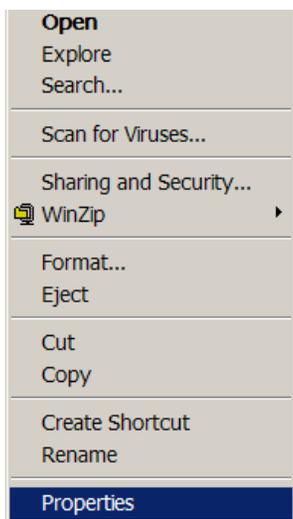
1. A Warning Box will display stating **“WARNING: Formatting will erase ALL data on this disk. To format the disk, click OK, To quit, click CANCEL”** You want to click **“OK”** to format and erase unnecessary data from the USB device.



# 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.

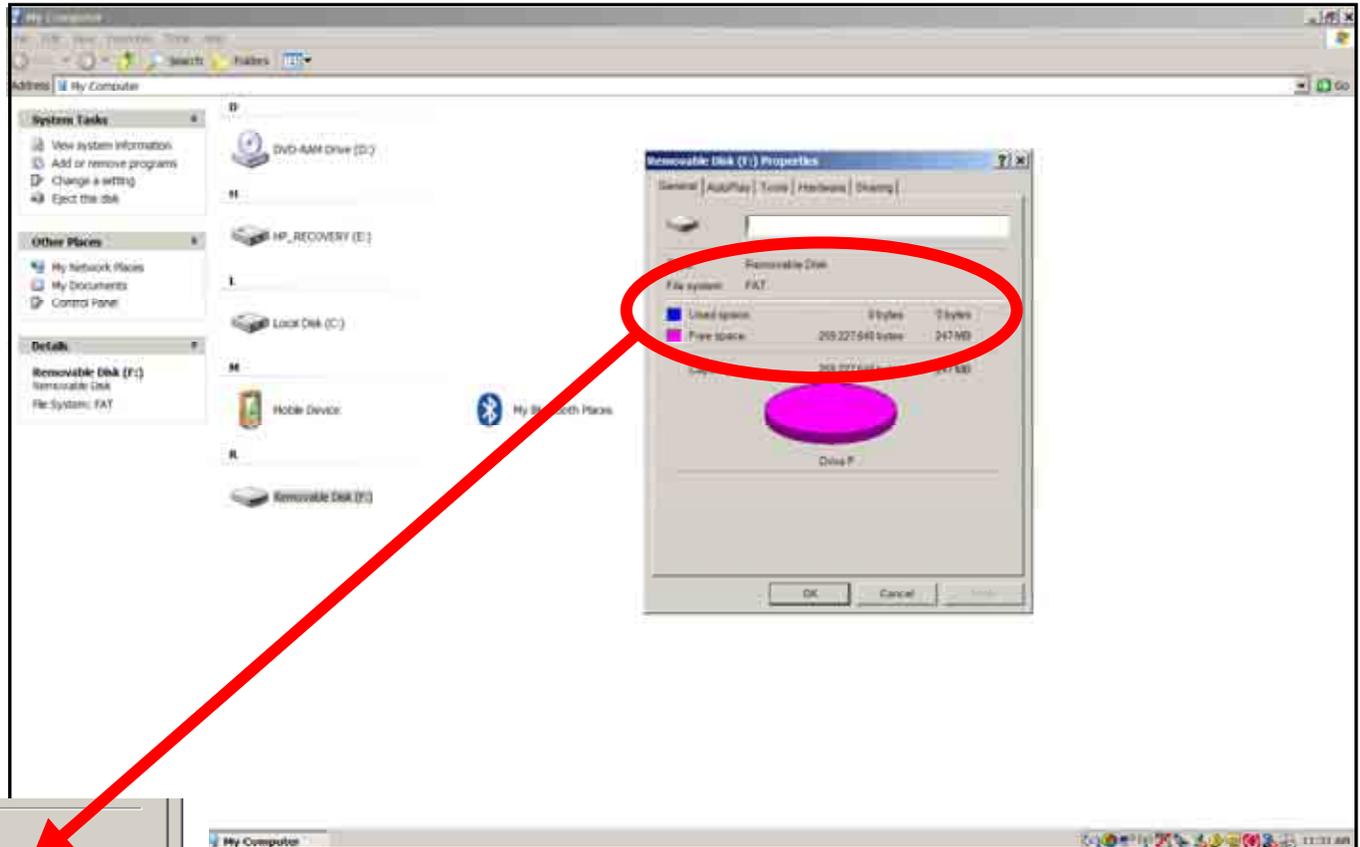


# Formatting the Zip Disk/USB Flash Drive

## 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/](http://www.u3.com/support/) or [www.u3.com/uninstall/](http://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](http://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.

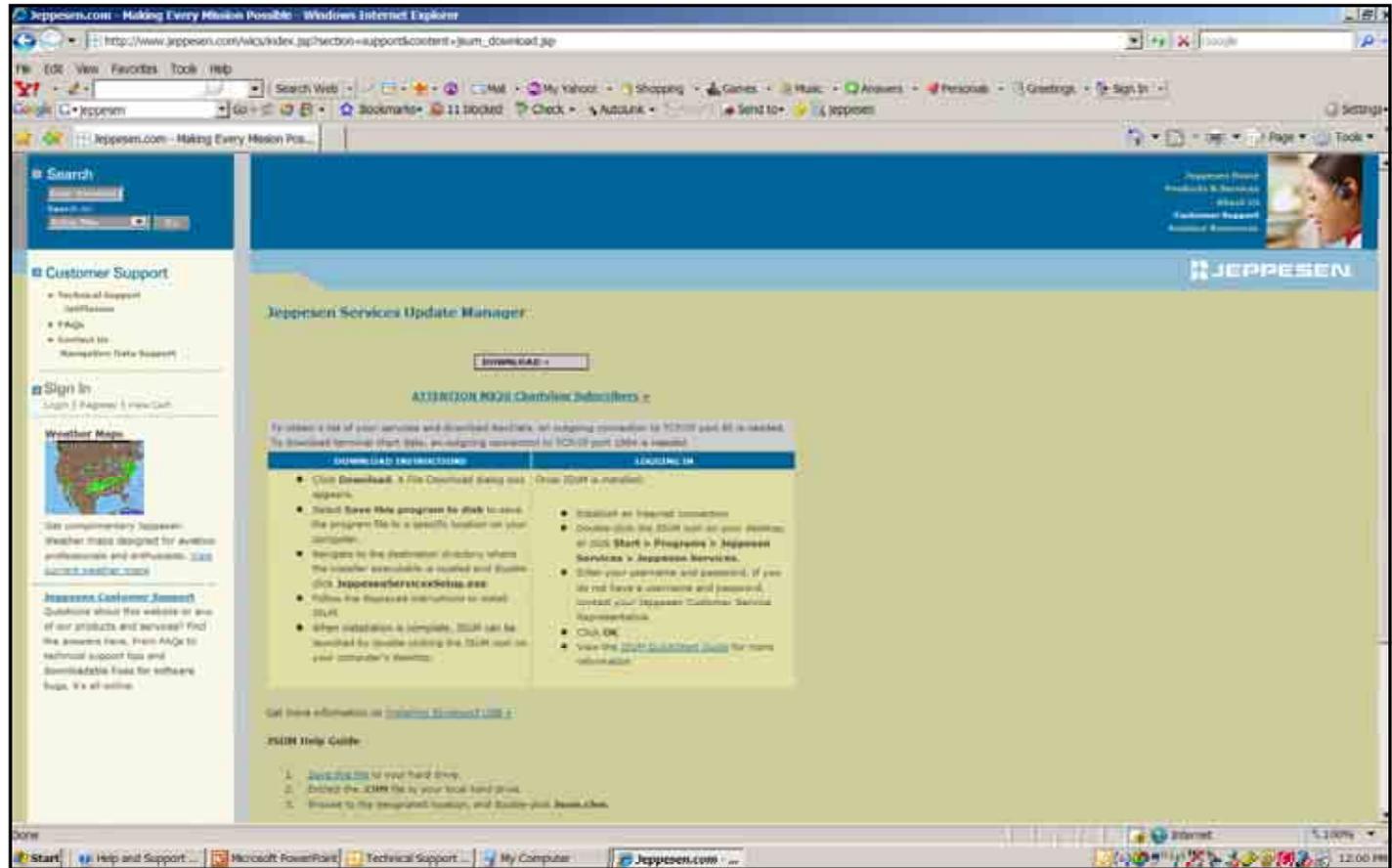
The screenshot displays the Jeppesen website homepage. At the top right, there is a navigation menu with links for 'Jeppesen Home', 'Products & Services', 'About Us', 'Customer Support', and 'Aviation Resources'. Below this is the 'JEPPESEN' logo. The main content area is divided into several sections:

- Search:** A search bar with 'Enter Keyword', 'Search in:', and 'Browse Site' dropdowns, and a 'Go' button.
- Sign In:** A section with 'Login | Register' links.
- Weather Maps:** A section featuring a weather map of the United States and the text: 'Get complimentary Jeppesen Weather maps designed for aviation professionals and enthusiasts. [View current weather maps](#)'.
- Jeppesen Quick Links:** A list of links including 'Careers@Jeppesen', 'Customer Support', 'FAQs', 'Feedback', 'Online Publications', 'Shop Online', and 'Skybound Services Update'.
- Other Jeppesen Sites:** A list of links including 'Airspace Design', 'Carmen Systems', 'Dealer Locator', 'EasyBrief', 'Loadsheet Weight & Balance', 'International Trip Planning', 'Jeppesen World Fuel Services', 'JetPlan.com', and 'Nobeltec'.
- Making Every Mission Possible:** A central section with a paragraph: 'For more than 70 years Jeppesen has made it possible for pilots and their passengers to safely and efficiently reach their destinations. Today this pioneering spirit continues as Jeppesen delivers information and technology-based information management tool sets essential to navigation and efficient operations management to air, sea and rail operators around the globe. Jeppesen is a subsidiary of Boeing Commercial Aviation Services, a unit of Boeing Commercial Airplanes.' Below this are six images representing different aviation sectors: Business Aviation, Commercial Aviation, General Aviation, Government and Military Aviation, Marine, and Rail and Logistics.
- Alerts:** A section with a list of items: 'NewData & Chart Notices', 'NOTAMS and Alerts', 'Effective 07 JUN 07 Charts', and 'MS Vista Support Notice'.
- Software Updates:** A section with a list of items: 'JeppView/FliteDeck version 3.3 Change Guide and Tutorial', 'FliteStar Tutorial, User's Guide and Software Patches'.
- News and Current Events:** A section with a list of items: 'EBACE 2007—Simplified Pricing for Intel Trip Planning', 'Jeppesen to Standardize Runway Inclusion Hot Spot Decisions', 'Jeppesen to Deliver EFB Solutions to ANA', and 'View All Press Releases'.
- Featured Product:** A section with the text: 'SIMCharts 4.0 for Microsoft Flight Simulator X - now just' and an image of the product box.

# 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

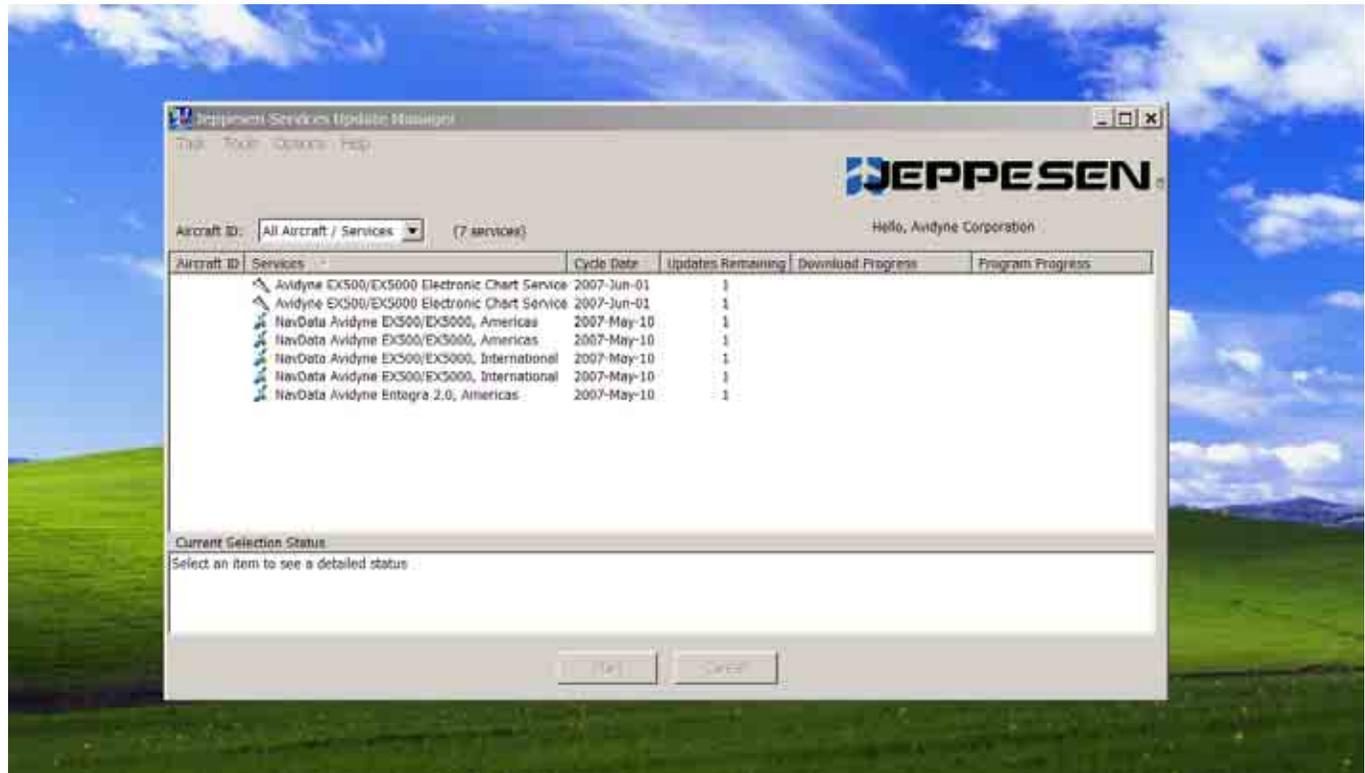
1. Next located your JSUM Username and Password you have written down and log into JSUM.



# Updating CMax Chart Data by JSUM

## CMax Chart Data Update Procedures

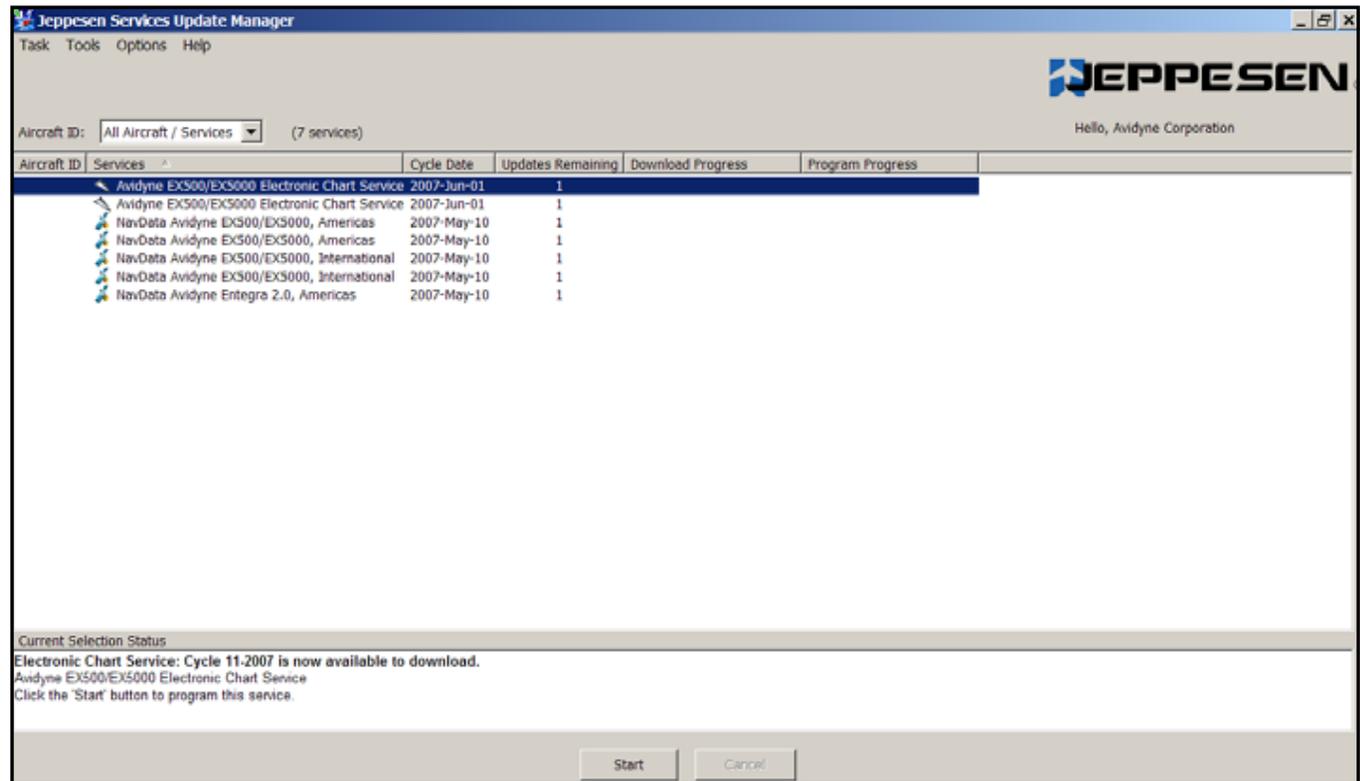
1. All your current Jeppesen subscriptions for your Avidyne MFDs will be shown.



# Updating CMax Chart Data by JSUM

## CMax Chart Data Update Procedures

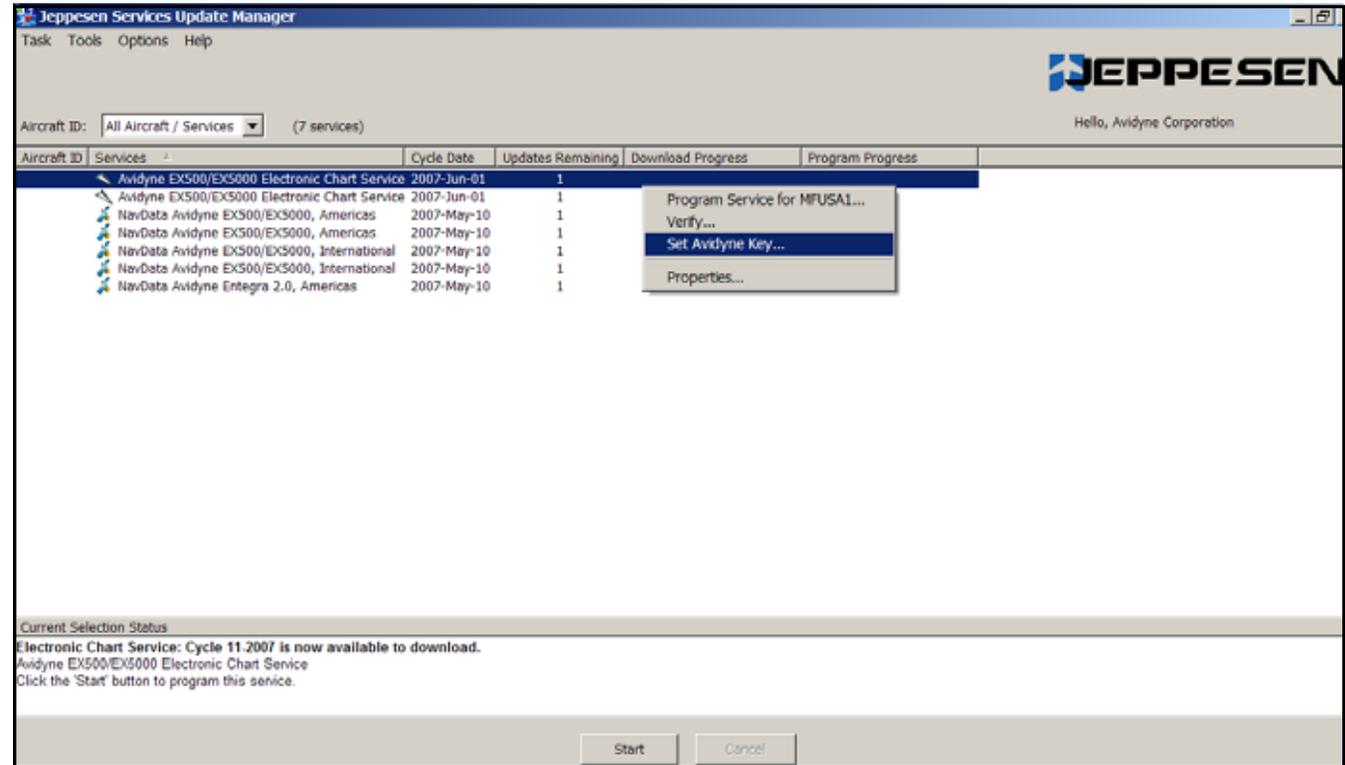
1. **Select the Avidyne EX500/EX5000 Electronic Chart Service to download to your USB Flash Memory Drive/Zip Drive already connected to your PC.**



# Updating CMax Chart Data by JSUM

## CMax Chart Data Update Procedures

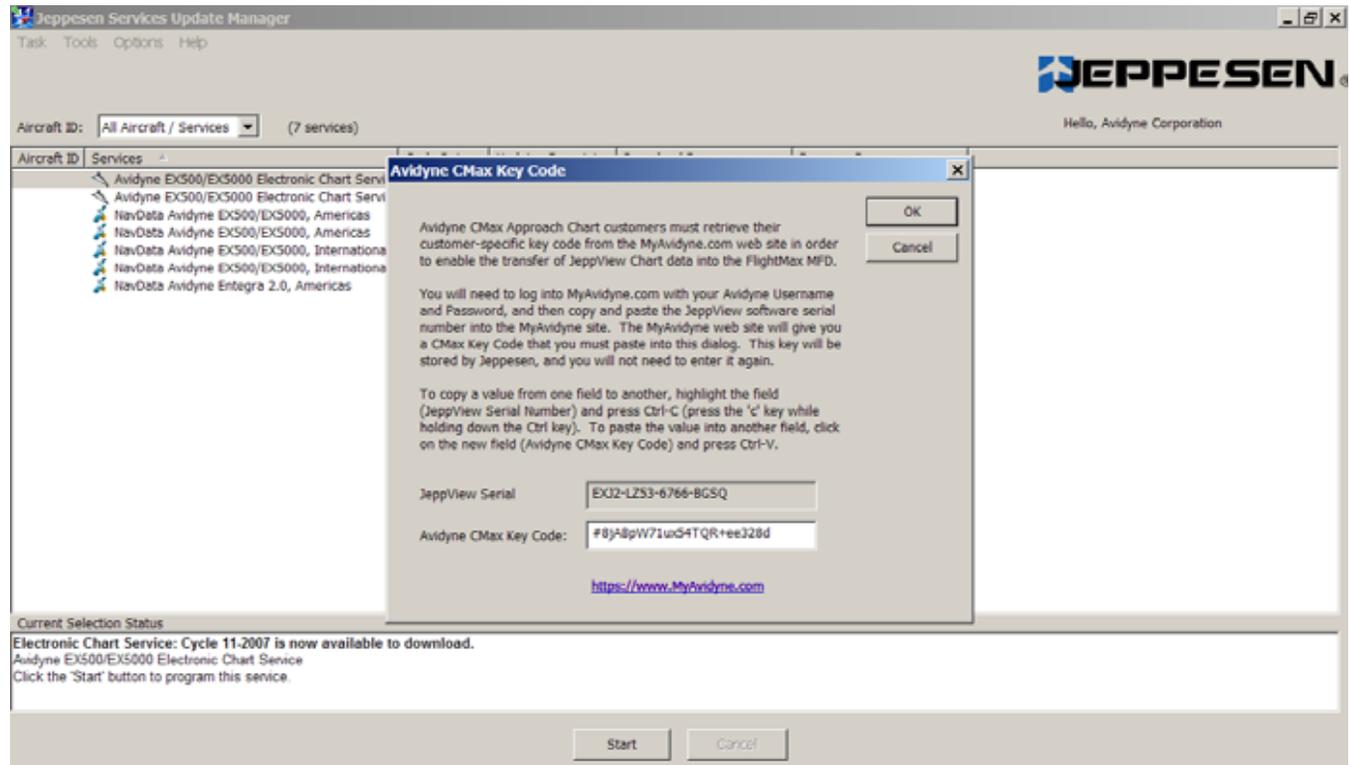
1. To enter your Avidyne CMax Key Code into JSUM, highlight your Avidyne EX500/EX5000 Electronic Chart Service subscription and right click and select Set Avidyne Key.



# Updating CMax Chart Data by JSUM

## CMax Chart Data Update Procedures

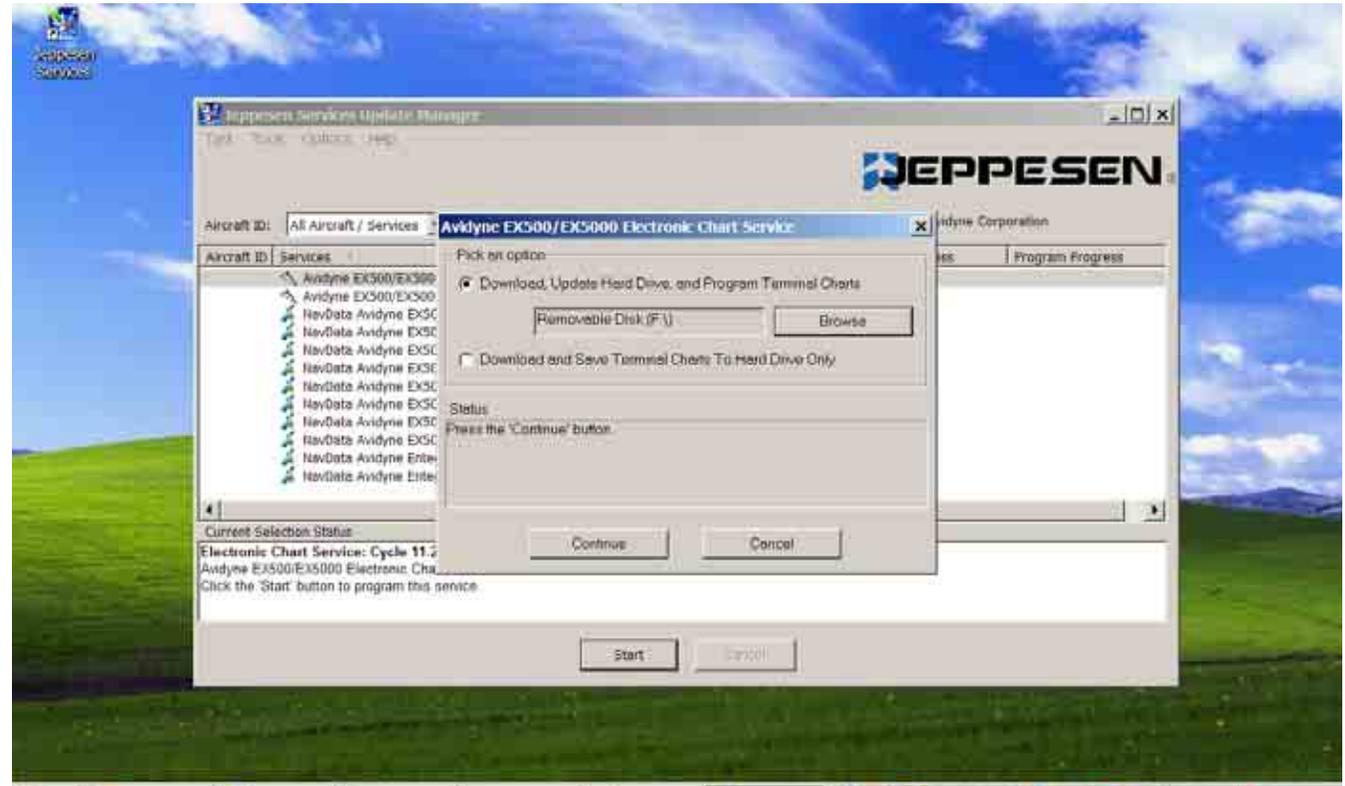
1. Verify your Jeppesen Software Serial Number is correct.
2. Then right click the Avidyne CMax Key Code box and paste your Avidyne CMax Key Code that you copied from the [www.MyAvidyne.com](http://www.MyAvidyne.com) website.
3. Then click OK.



# Updating CMax Chart Data by JSUM

## CMax Chart Data Update Procedures

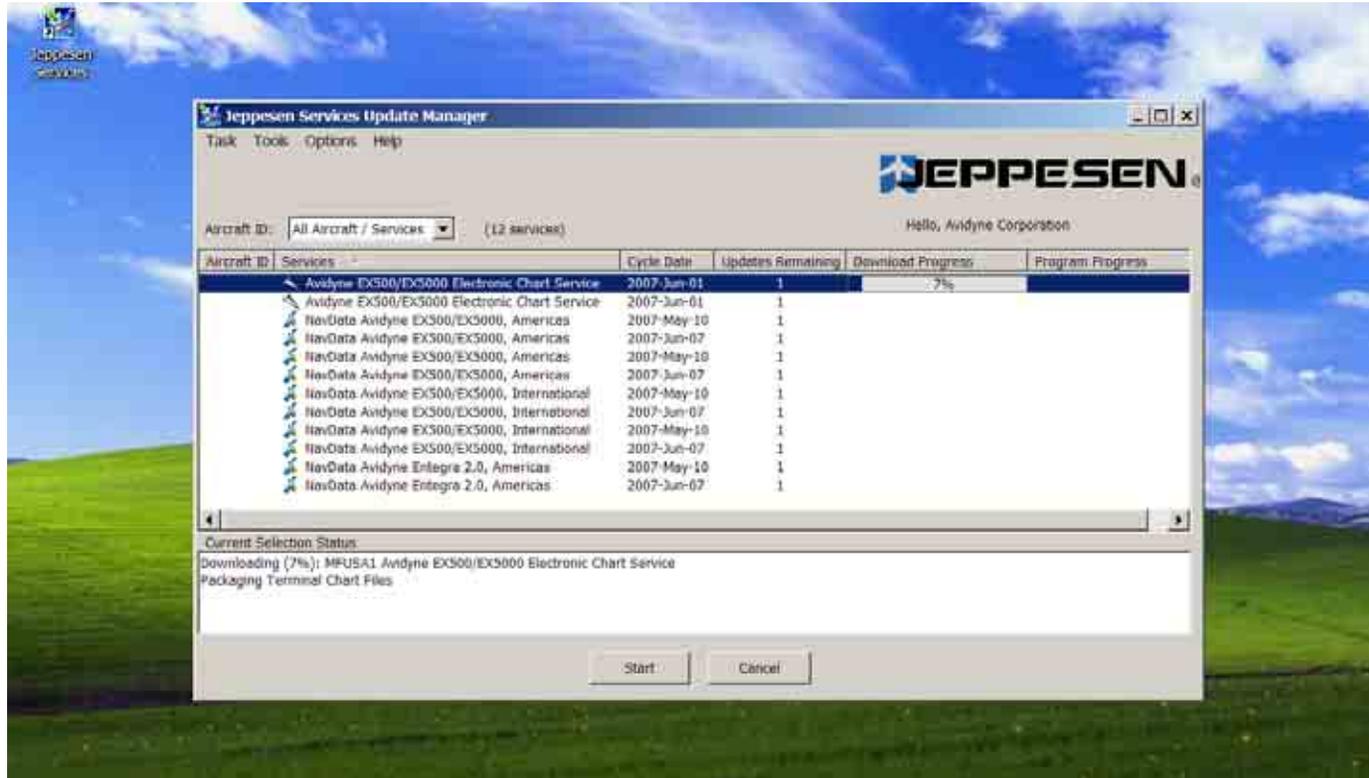
1. Select the Download and Program Now option.
2. Next Browse for your “Removable Disk” drive where your USB Flash Memory Drive/Zip Drive is connected too.
3. Then click Continue.
4. Then click Start.



# Updating CMax Chart Data by JSUM

## CMax Chart Data Update Procedures

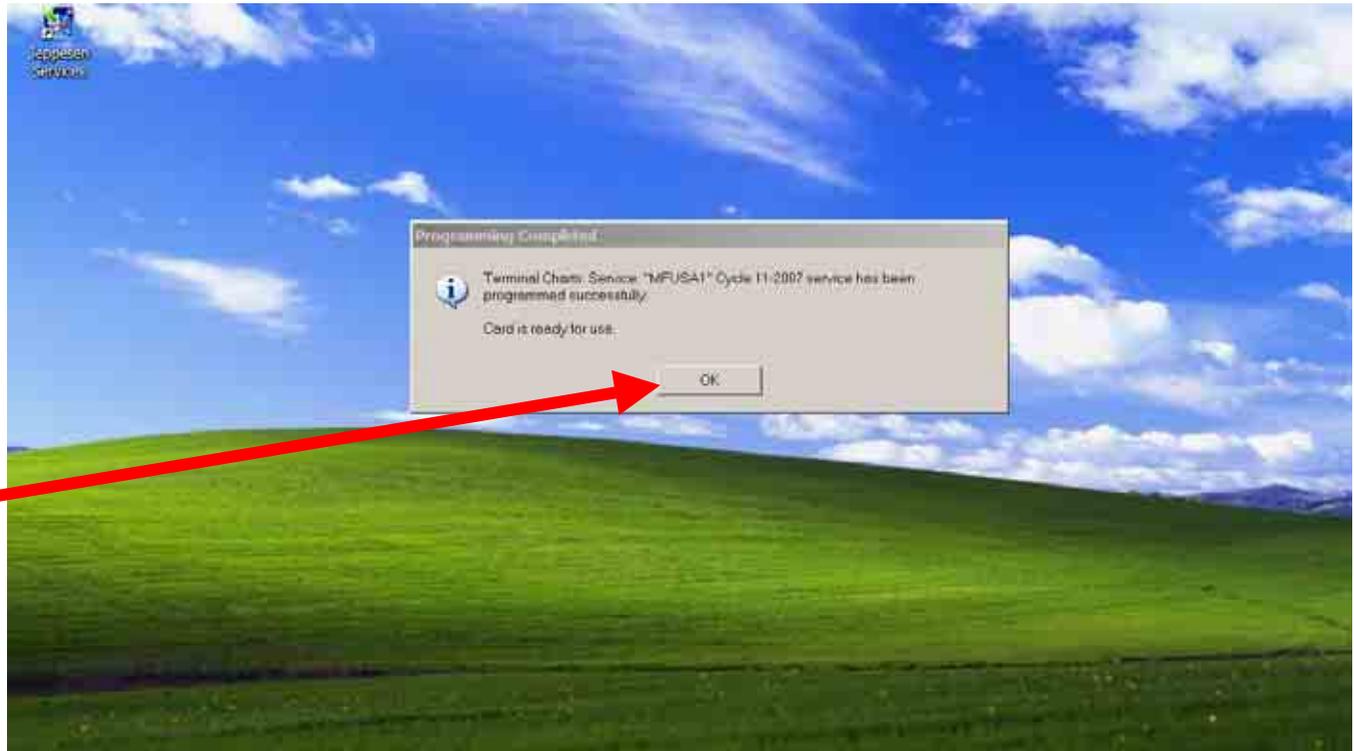
1. The Avidyne EX500/EX5000 Electronic Chart Service will start to download unto your USB Flash Memory Drive/Zip Drive.



# Updating CMax Chart Data by JSUM

## CMax Chart Data Update Procedures

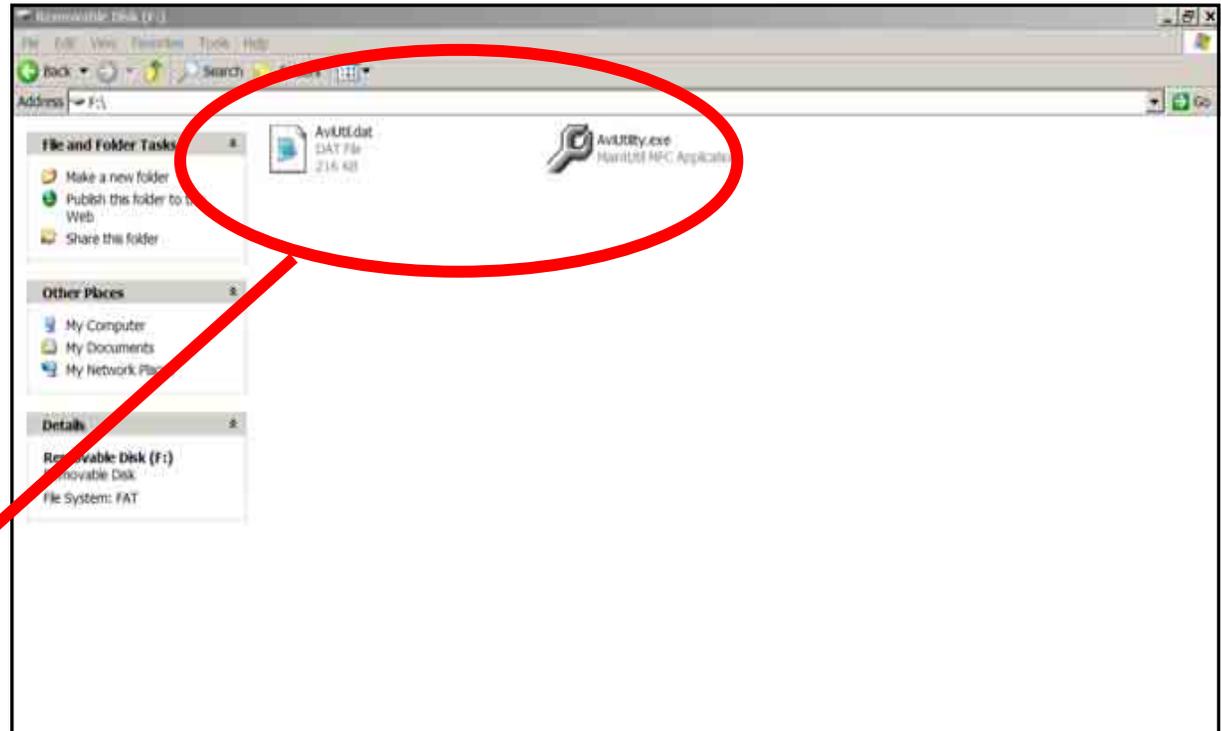
1. Once the Avidyne EX500/EX5000 Electronic Chart Service Updates have been downloaded successfully into your USB Flash Memory Drive/Zip Drive you will receive the following message "Programming Completed". Click OK



# 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

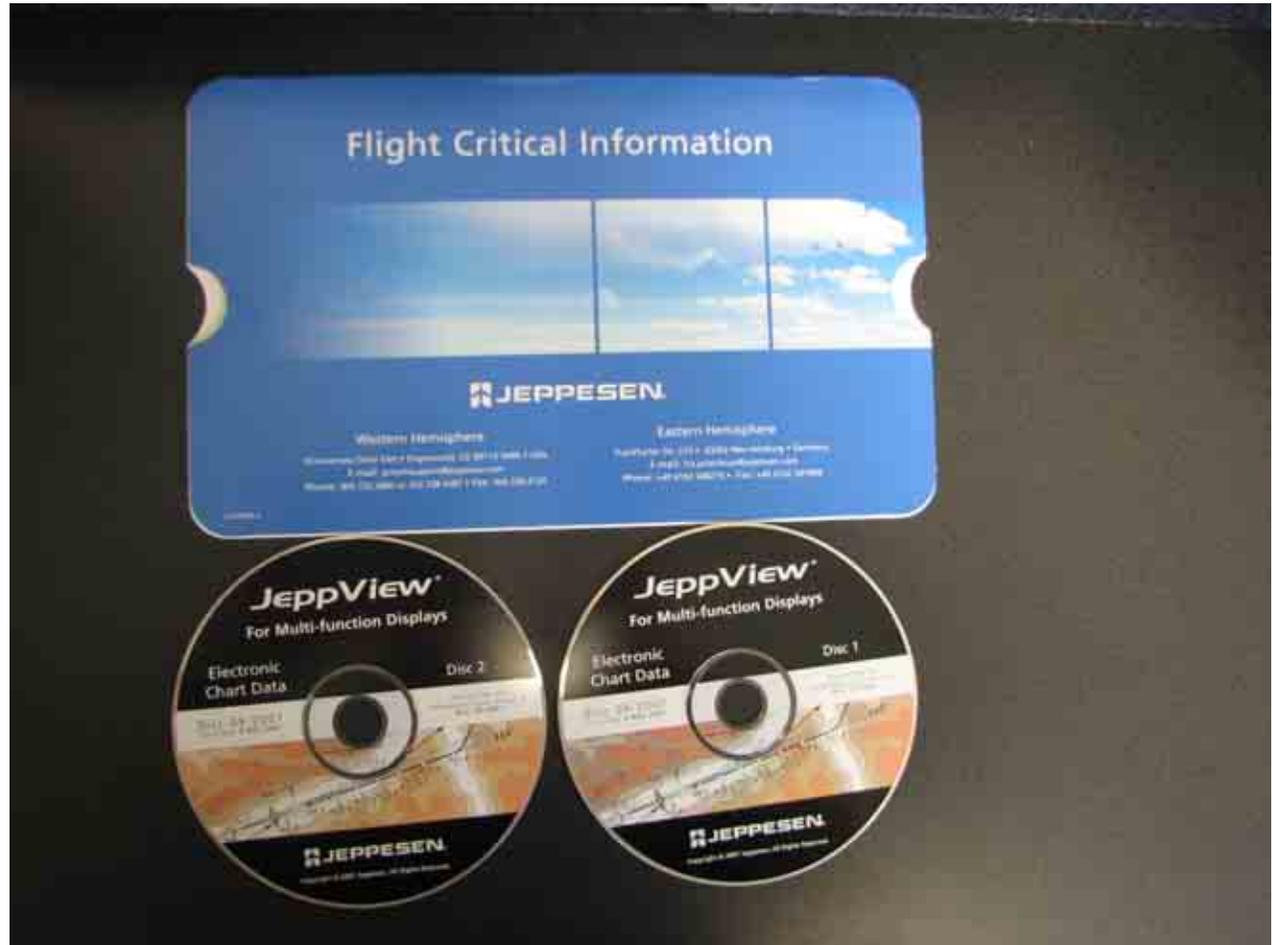
1. Once you've placed your CD order with Jeppesen for the Electronic Chart Service updates for your Avidyne MFDs

The screenshot displays the Jeppesen website's 'JeppView for MFDs' page. The left sidebar contains a search bar, a 'Products & Services' menu with items like Avionics Training, Charting and Navigation Services, Flight Planning, Custom Services, and Pilot Supplies. Below this is a 'Sign In' section with 'Login' and 'Register' links, and a 'Weather' section offering complimentary Jeppesen weather maps. A contact box at the bottom of the sidebar states '7 days per week 6 a.m. - 6 p.m. MT 1.800.821.5377'. The main content area features the Jeppesen logo and a breadcrumb trail: 'USA Chart Services > Desktop Charting Services - Jeppesen > JeppView for MFDs'. The heading is 'JeppView for MFDs - Jeppesen Electronic Chart Data for Multi-Function Displays'. The text describes the innovation of uploading JeppView charts directly to the MFD, reducing paper use. It lists supported avionics (Avidyne and Garmin) and provides contact information. A 'What's Included' section lists: 1) JeppView viewer application (FileClick not included) for viewing and printing charts; 2) Jeppesen Services Update Manager Application for exporting charts to the MFD; 3) JeppView electronic chart data updates every 24 days; 4) JeppView electronic text pages; and 5) Paper Enroute Charts and Area Charts included with the service.

# Updating CMax Chart Data by Jeppesen CDs

## CMax Chart Data Update Procedures

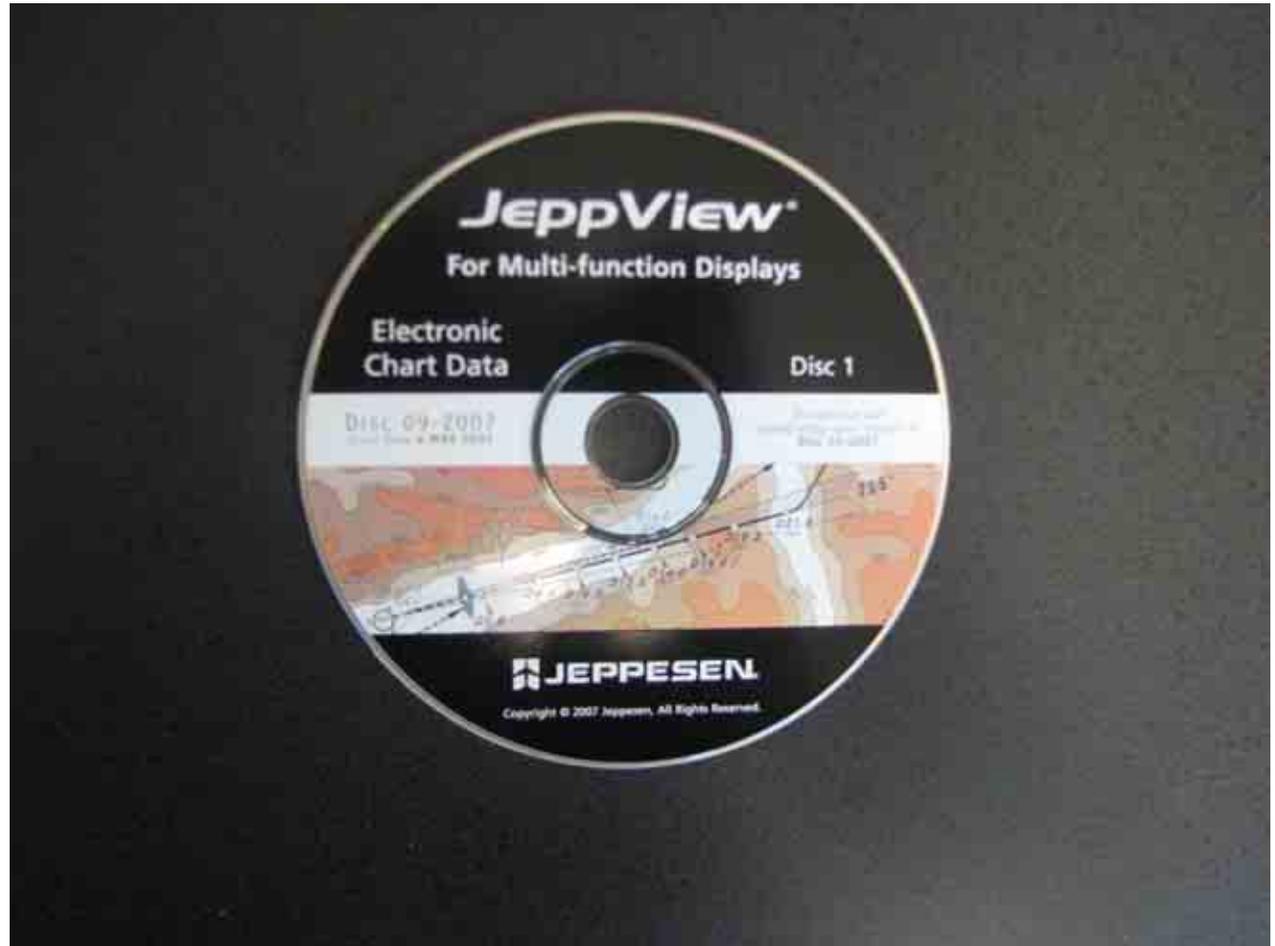
1. You will receive your Jeppesen Electronic Chart Data updates CDs by mail.



# 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

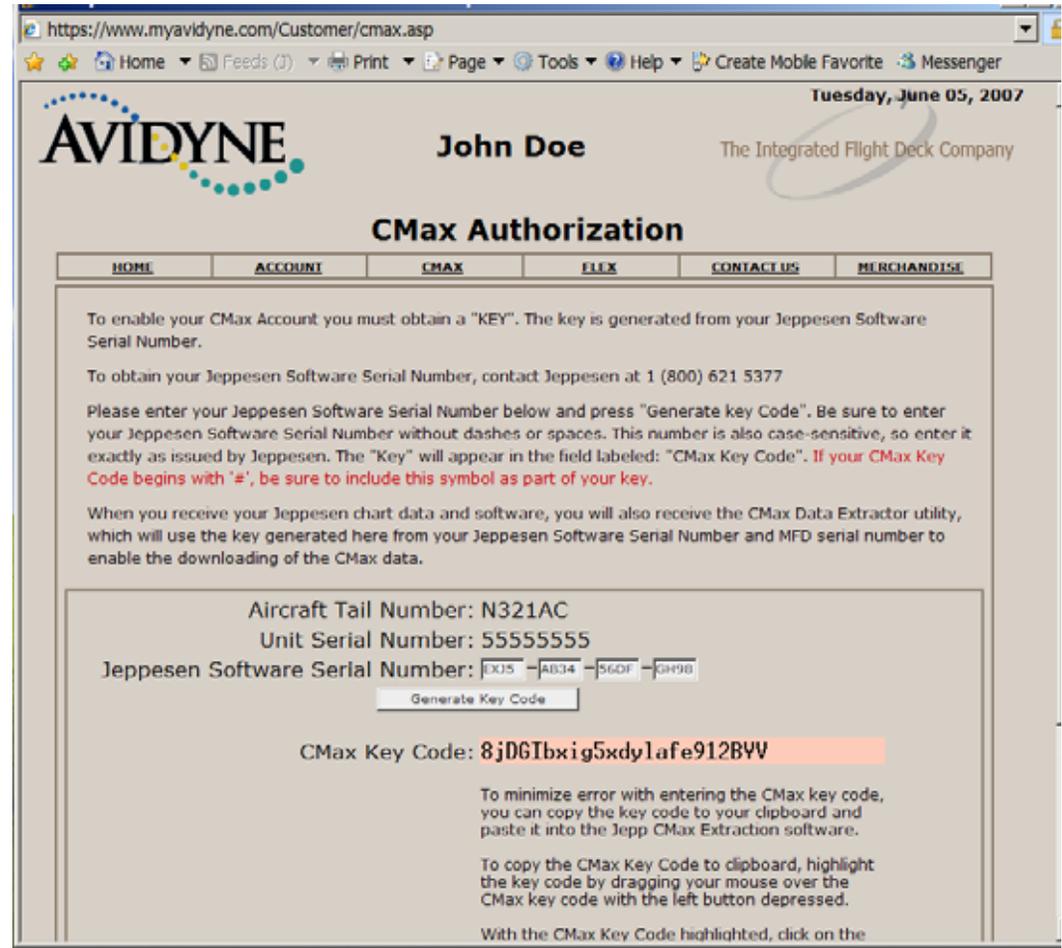
1. Next go to [www.Myavidyne.com](http://www.Myavidyne.com)
2. Then to Return Account Users section and log in using your saved User ID and Password and Click Login.
3. Then select the CMax menu.

The screenshot displays the MyAvidyne.com website interface. At the top left is the AVIDYNE logo, and at the top right is the tagline "The Integrated Flight Deck Company" with a stylized airplane icon. The main content area is divided into three vertical 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 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" button.

# 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 tagline "The Integrated Flight Deck Company". The date is "Tuesday, June 05, 2007". The main heading is "CMax Authorization". Below this is a navigation menu with links for HOME, ACCOUNT, CMAX, FLEX, CONTACT US, and MERCHANDISE. The main content area 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 '#', 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: 5555555  
Jeppesen Software Serial Number: [005] [AB34] [56DF] [GH98]

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

# 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](http://www.Avidyne.com) and then to Product/Publication Library menu:  
[www.avidyne.co/techpubs.shtm](http://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](http://www.Avidyne.com) which is located in the Product/Publication Library menu: [www.avidyne.co/techpubs.shtm](http://www.avidyne.co/techpubs.shtm)

#### 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.shtm>
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

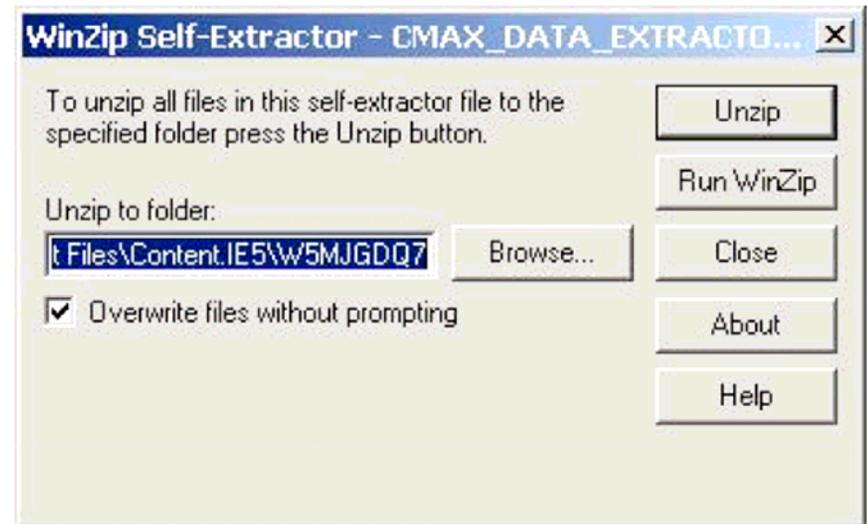
### Avidyne CMax Data Extractor

➤ 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](http://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

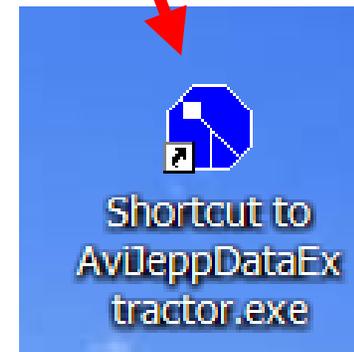
### Avidyne CMax Data Extractor

#### 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.

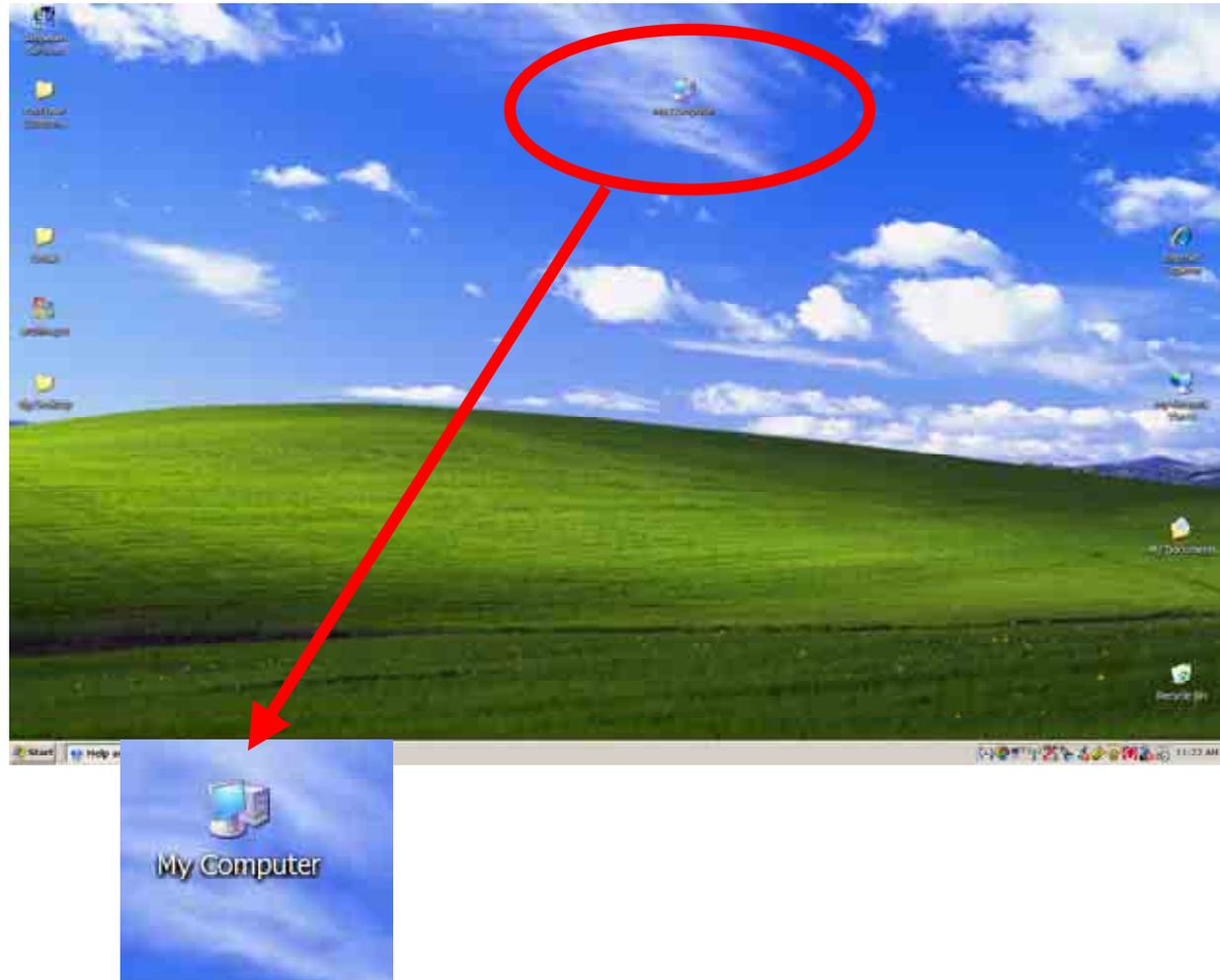


# Updating CMax Chart Data by Jeppesen CDs

## 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.

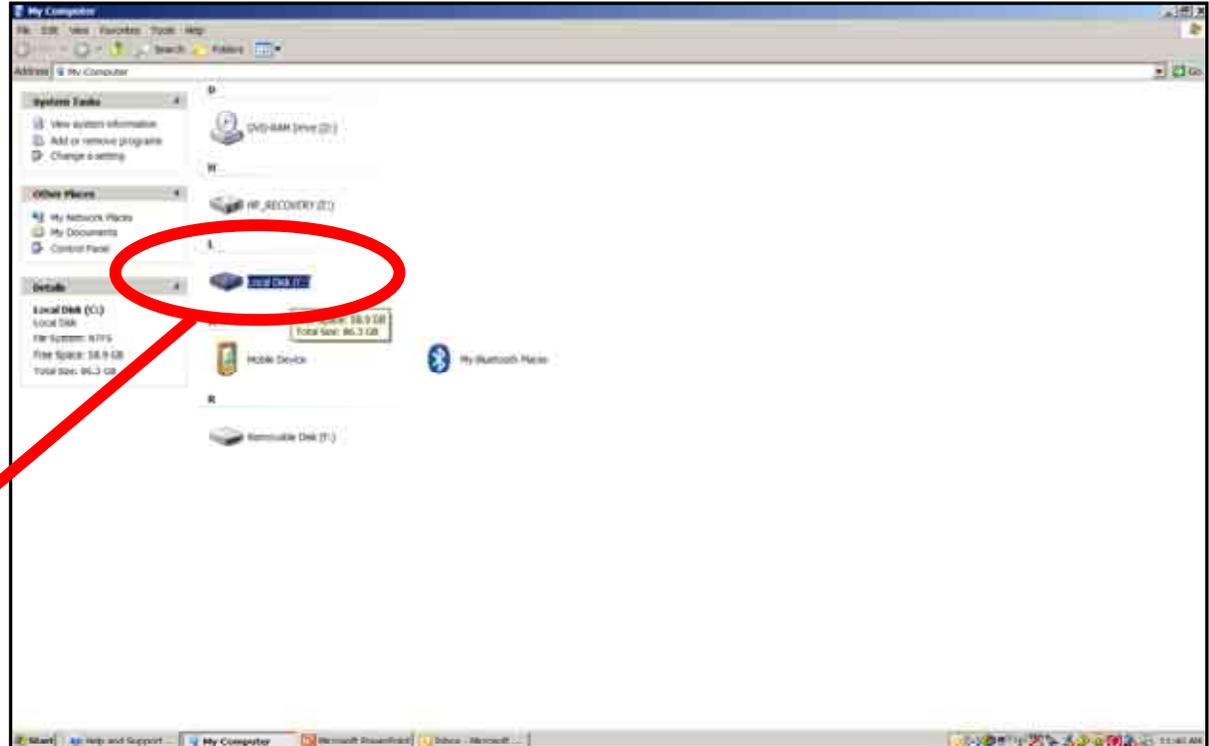


# Updating CMax Chart Data by Jeppesen CDs

## CMax Chart Data Update Procedures

### Avidyne CMax Data Extractor

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

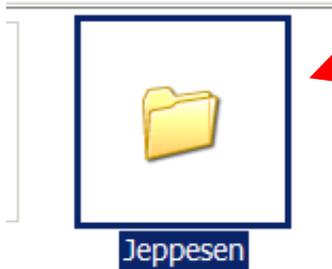


# Updating CMax Chart Data by Jeppesen CDs

## 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](http://www.MyAvidyne.com)

### Avidyne CMax Data Extractor

**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](http://www.myavidyne.com) Example: 23j5JKI1234jdjkk123456

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

+

+

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

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

Avidyne CMax Key Code can also be copied and pasted from your login on [www.MyAvidyne.com](http://www.MyAvidyne.com)

# 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

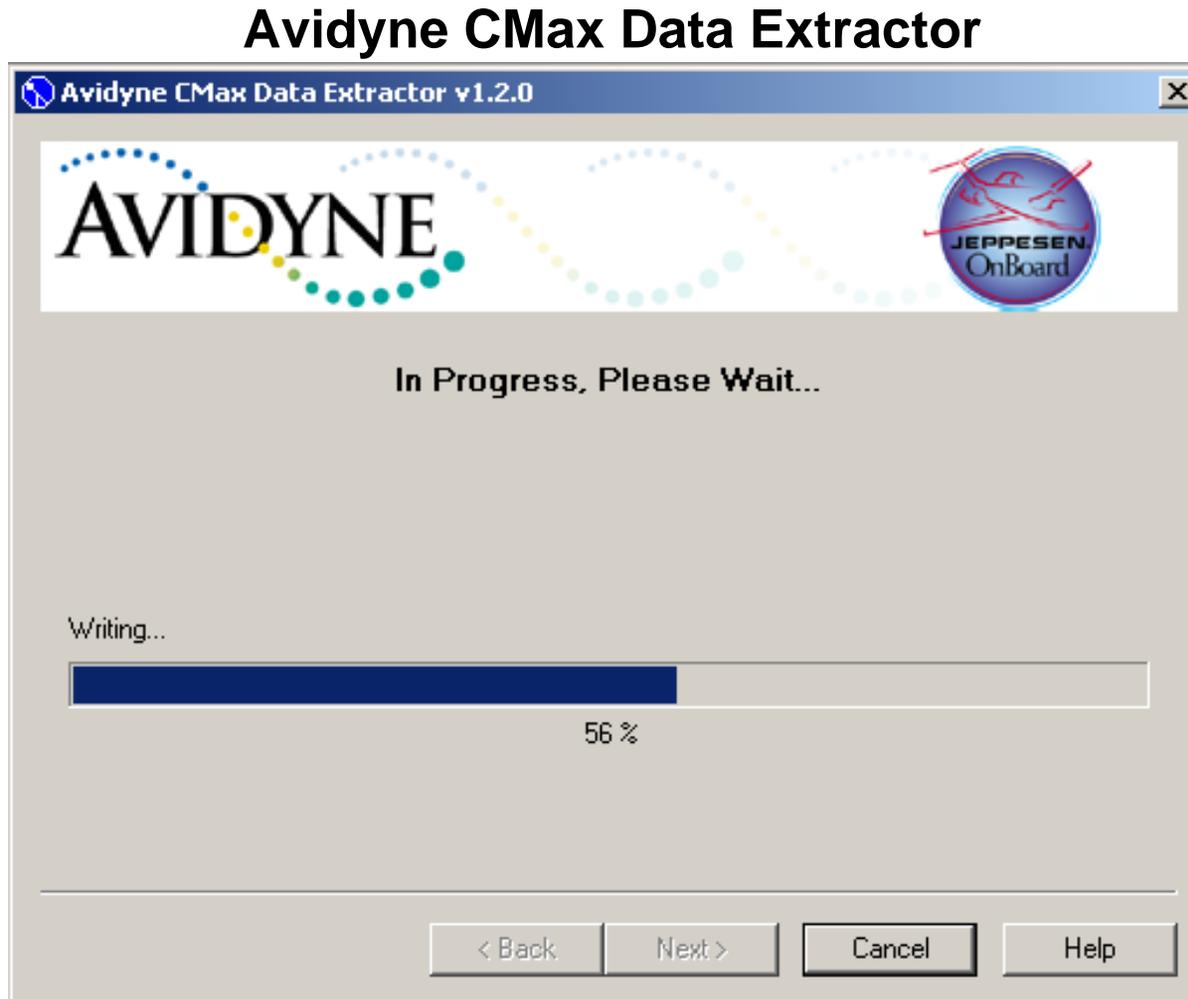
JeppView Source Data Path. This is the path to the CD ROM drive with the current Chart Data CD.

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



# Updating CMax Chart Data by Jeppesen CDs

## CMax Chart Data Update Procedures

### Avidyne CMax Data Extractor Troubleshooting

#### MFD Data Update Troubleshooting Technique Guide



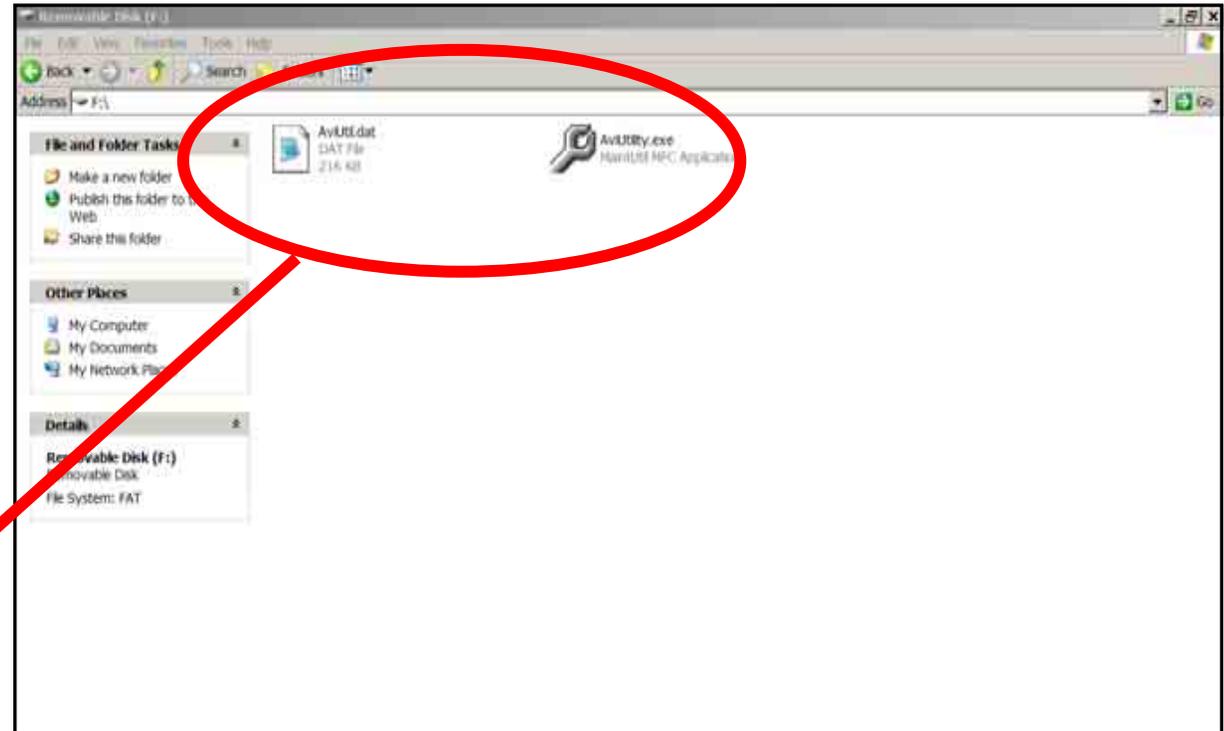
Data Extractor Errors	Solutions
<b>The Jeppesen serial number is invalid.</b>	<ul style="list-style-type: none"><li>• Verify that the serial number was correctly entered. This number is case sensitive. Be aware that the letter "O" is different from the number "0," and the letters capital "I" and small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

# 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

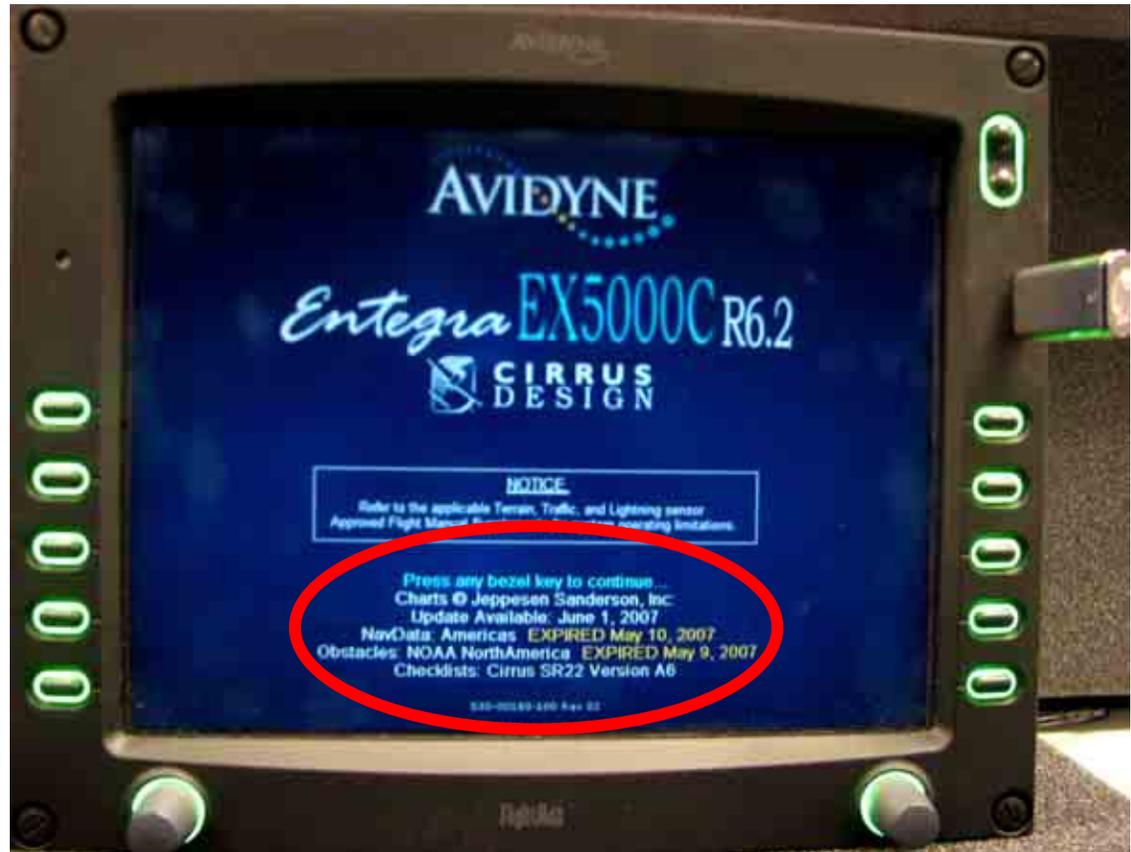


# Uploading the CMax Chart Data to the MFD

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

# 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"><li>• Contact Avidyne Technical Support. Be sure to write down the state number.</li></ul>
Invalid disk	<ul style="list-style-type: none"><li>• Your Zip disk or USB Flash Memory Device may be corrupt. Reformat the portable USB device and try again.</li></ul>
Error writing files	<ul style="list-style-type: none"><li>• Try updating your data again. If the problem persists, call Avidyne Technical Support.</li></ul>
Not enough space	<ul style="list-style-type: none"><li>• 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</li></ul>
Internal error:	<ul style="list-style-type: none"><li>• Try updating your data again.</li><li>• If the problem persists, call Avidyne Technical Support. Be sure to have the error number available</li></ul>
CMax Data Update Failed Verifying CRC Error	<ul style="list-style-type: none"><li>• If updating CMax Chart Data using JSUM online, then download the latest JSUM online version at: <a href="http://www.jeppesen.com/JSUM">www.jeppesen.com/JSUM</a> Retry updating CMax Data.</li><li>• Try using the Jeppesen Electronic Chart Disk CD with the CMax Data Extractor.</li></ul>
The MFD indicates Ready to Write Engine/Broadcast Data to Removable Media when trying to upload Database updates	<ul style="list-style-type: none"><li>• 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</li></ul>

# 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.



Map TAWS Chart Trip Nrst Chklst Aux Engine

# 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.**

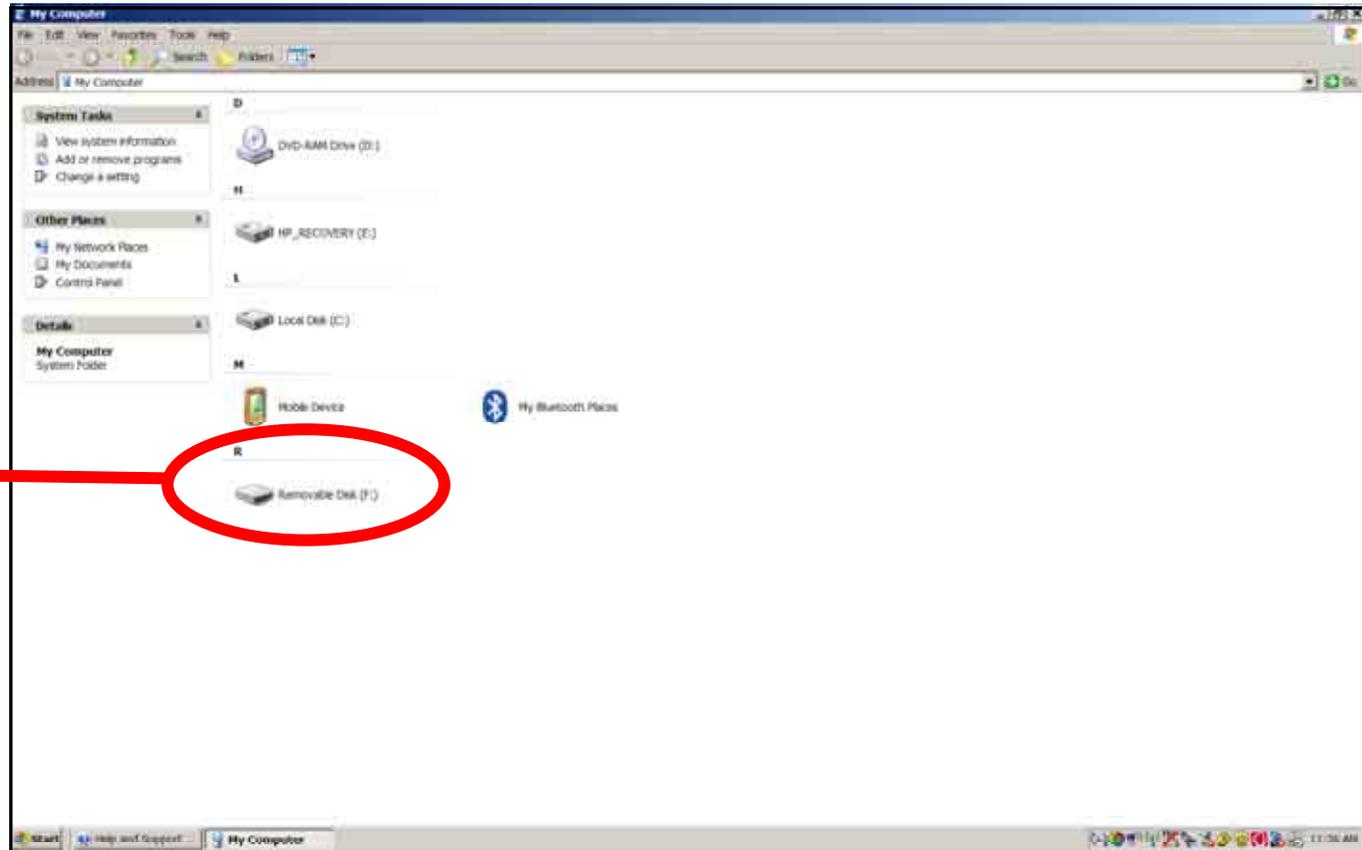


# Formatting the Zip Disk/USB Flash Drive

## 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.

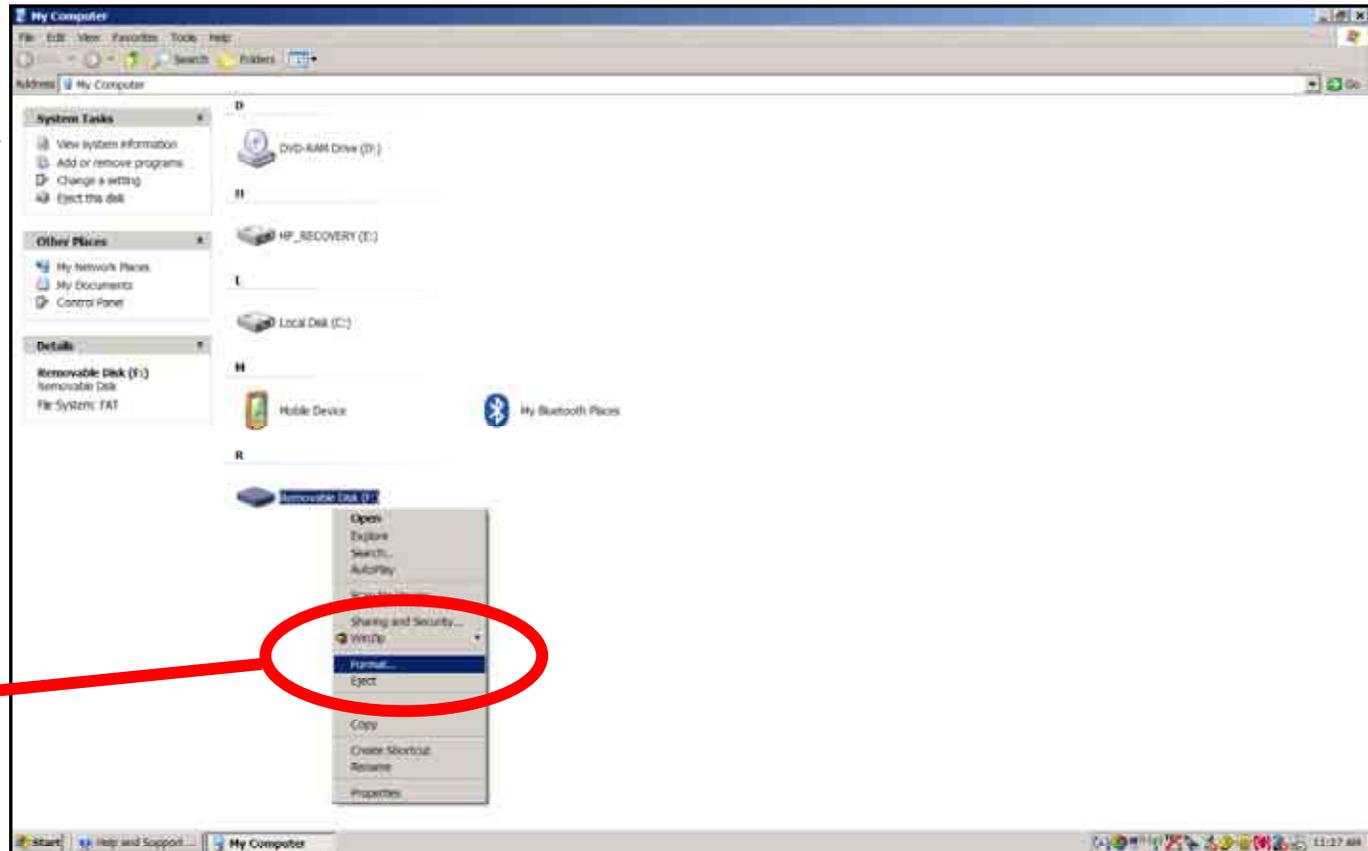
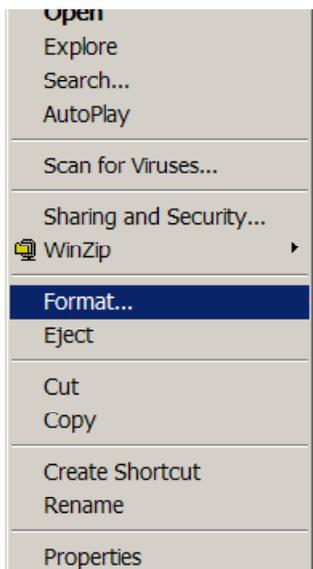
 Removable Disk (F:)



# Formatting the Zip Disk/USB Flash Drive

## EMax™ Total Engine Management Data Procedure

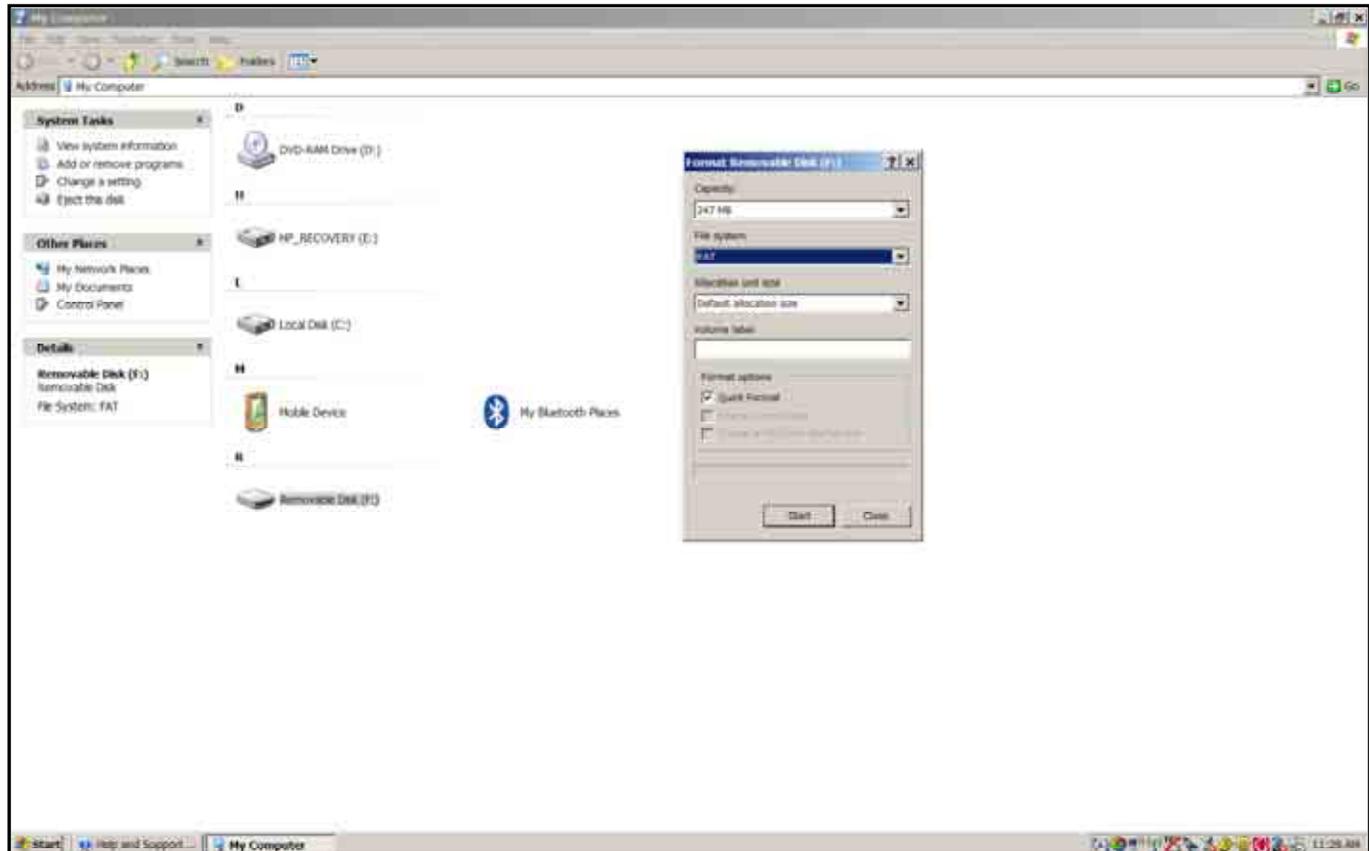
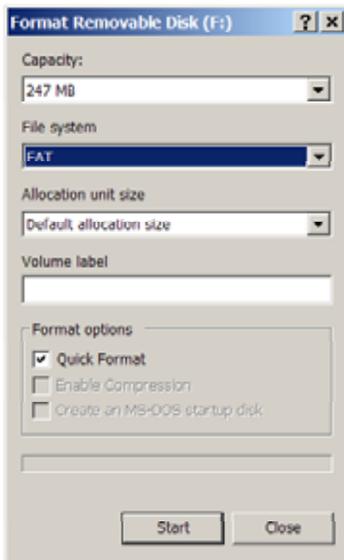
1. Right Click the Removable Disk ( ) where your Zip Drive or USB Flash Memory Drive is connected to on your PC.
2. Then left click the option **Format**



# Formatting the Zip Disk/USB Flash Drive

## EMax™ Total Engine Management Data Procedure

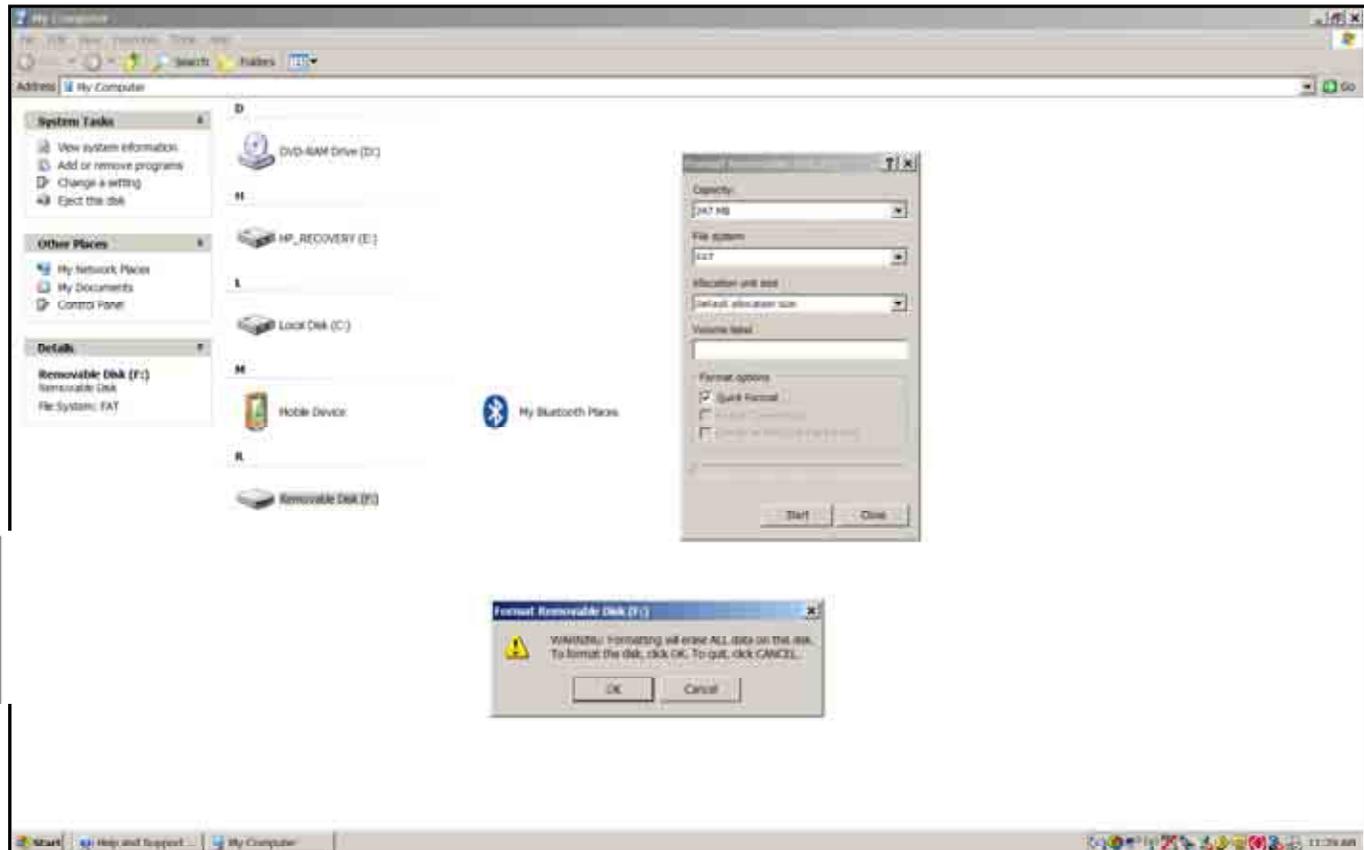
1. Then choose “FAT” under the File system selection.
2. Check Quick Format under Format Options.
3. Then click Start.



# Formatting the Zip Disk/USB Flash Drive

## EMax™ Total Engine Management Data Procedure

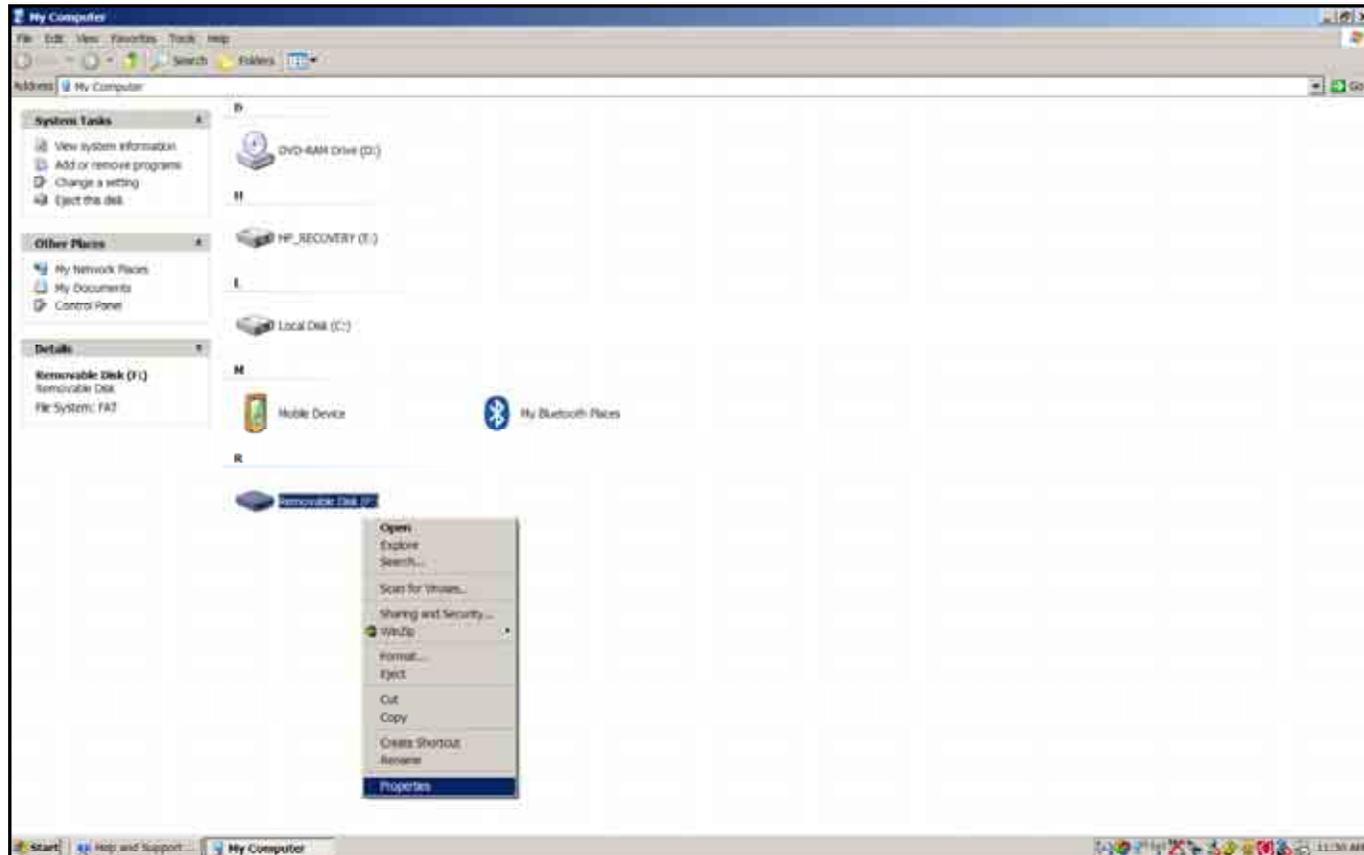
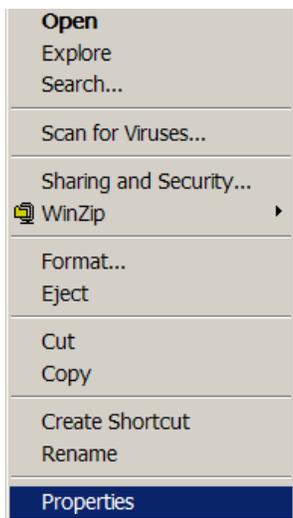
1. A Warning Box will display stating “WARNING: Formatting will erase ALL data on this disk. To format the disk, click OK, To quit, click CANCEL” You want to click “OK” to format and erase unnecessary data from the USB device.



# Formatting the Zip Disk/USB Flash Drive

## EMax™ Total Engine Management Data Procedure

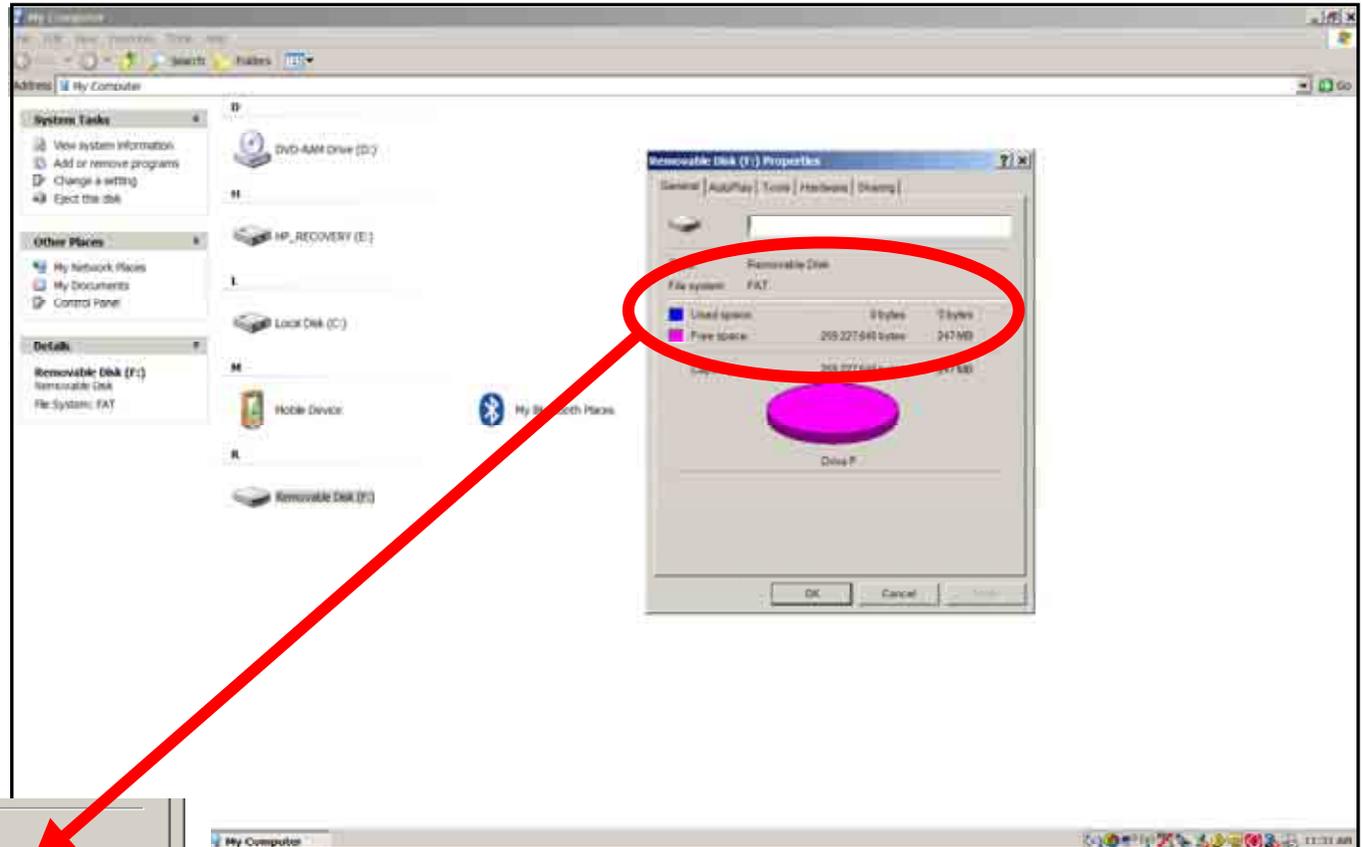
1. Next you want to verify that your USB device is correctly Formatted and is cleared of all other Data.
2. Right click the Removable Disk ( ).
3. Then scroll down to Properties and then left click the Properties selection.



# 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

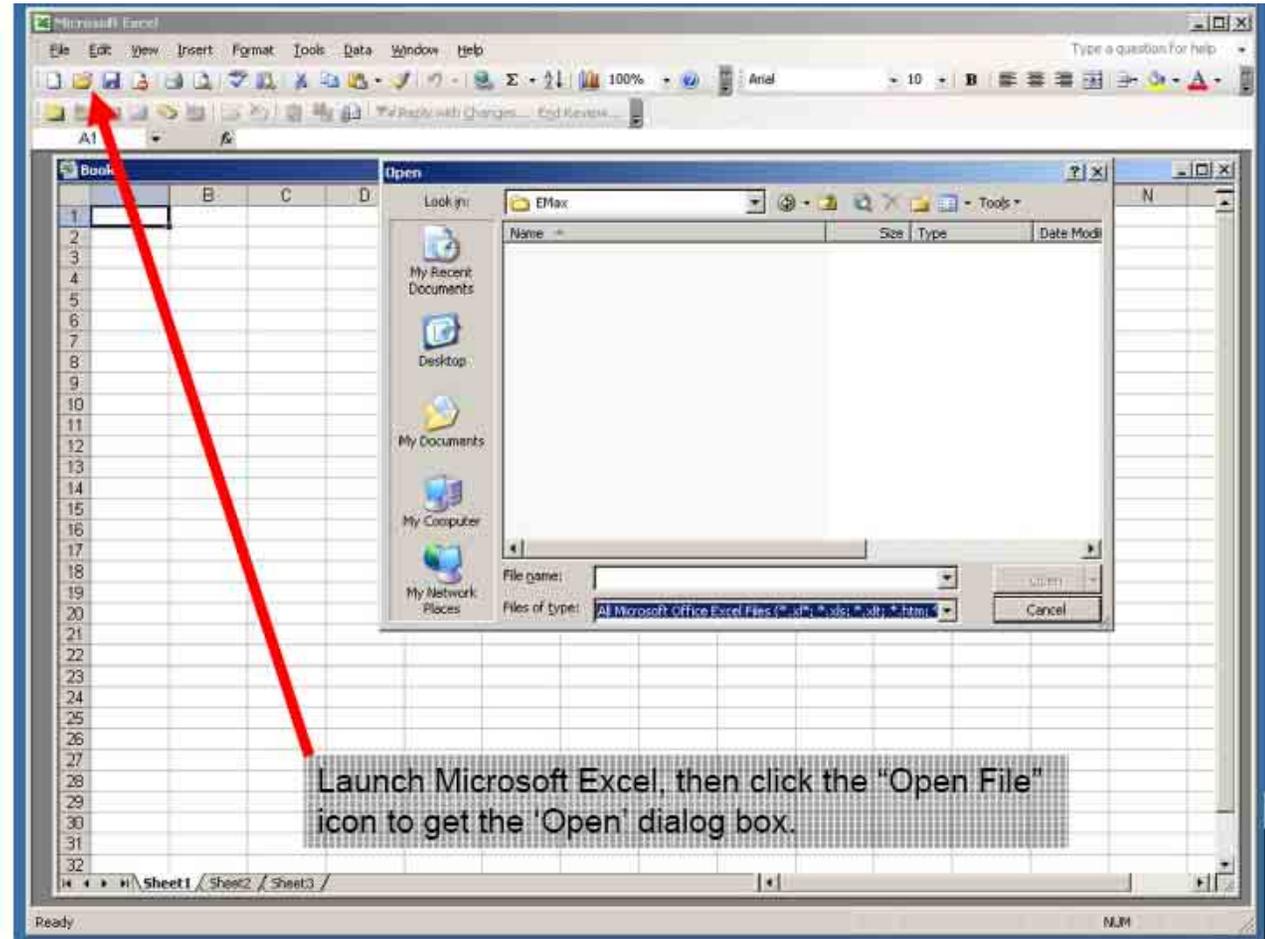
1. **First verify you have adequate power supply and a completely charged aircraft battery or ground power unit to power your MFD.**
2. **Carefully remove the USB cover so you can connect your USB Flash Memory Drive to your MFD USB port.**
3. **Then power up your Aircraft avionics power to power up the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

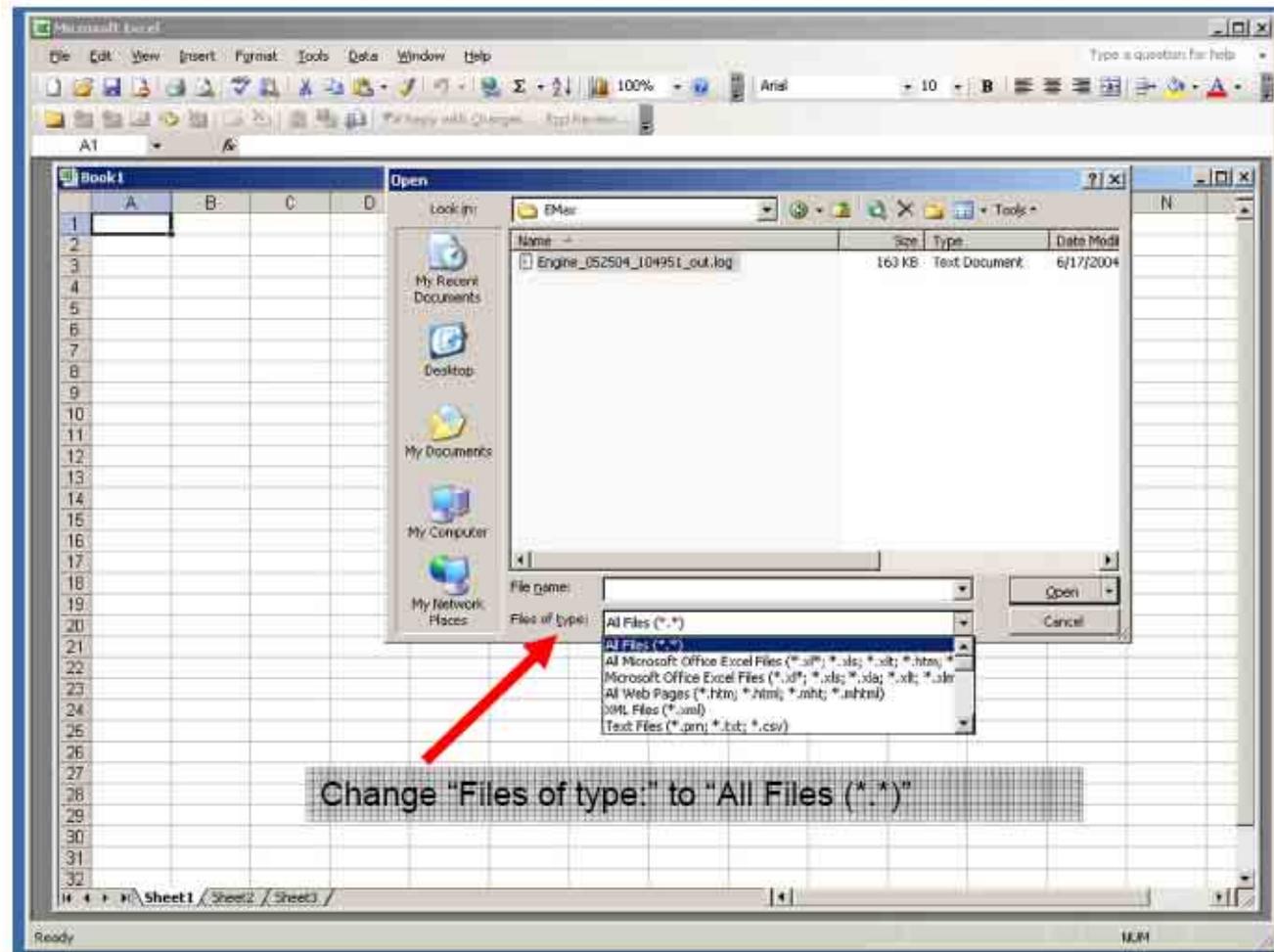
## EMax™ Total Engine Management Data Procedure

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](http://www.Jeppesen.com).



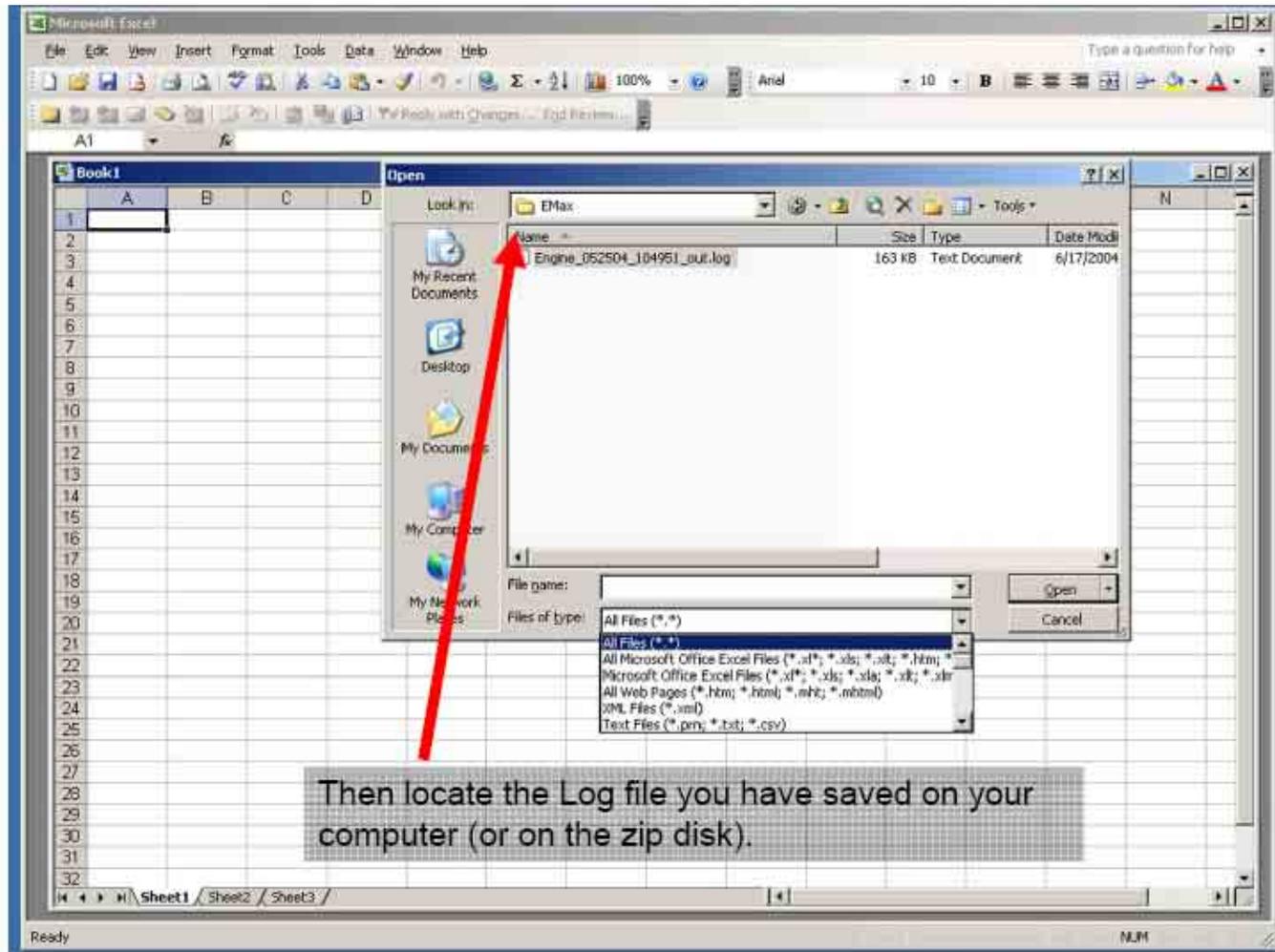
# Downloading the Emax Engine Data from the MFD

## EMax™ Total Engine Management Data Procedure



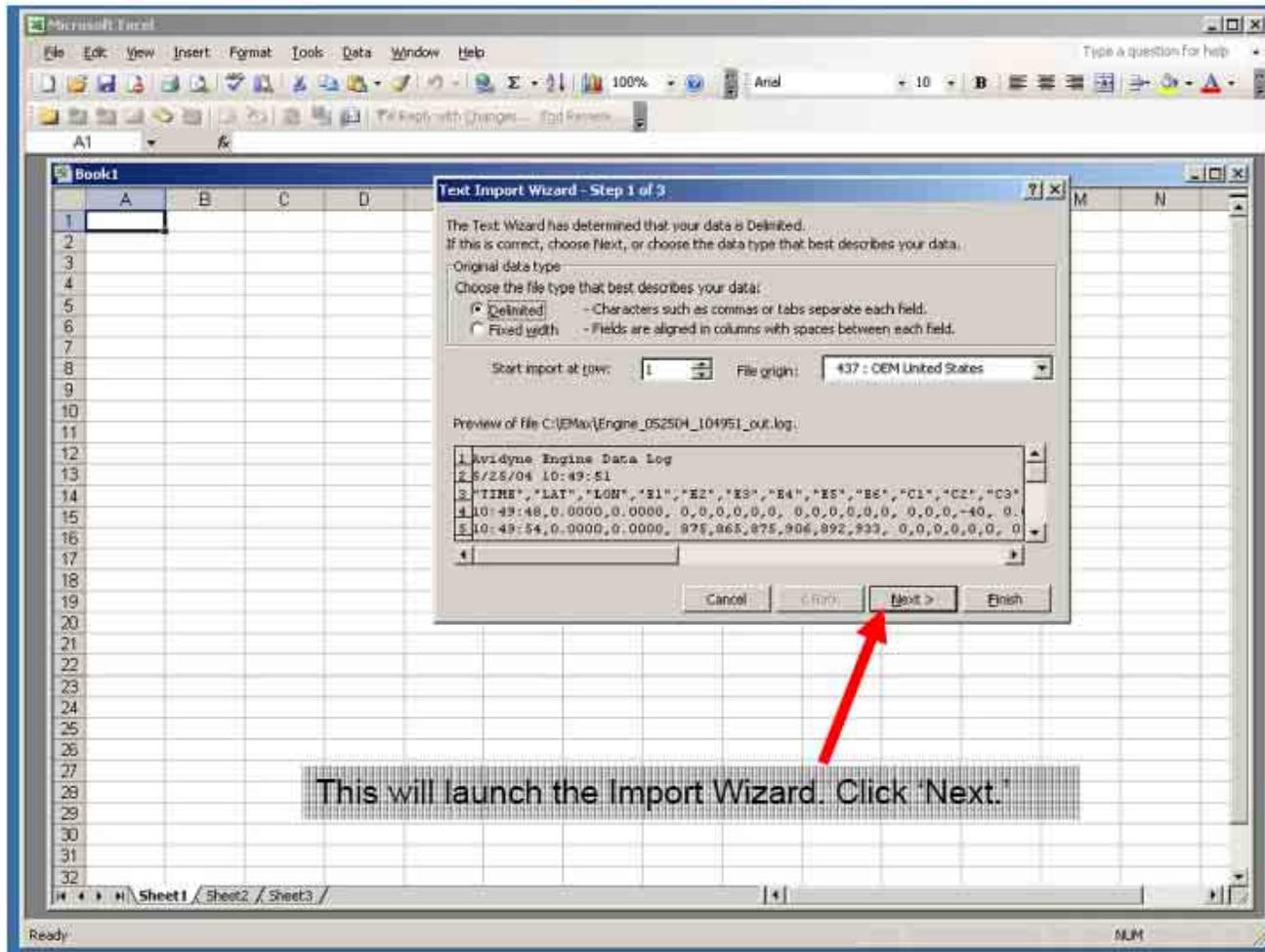
# Downloading the Emax Engine Data from the MFD

## EMax™ Total Engine Management Data Procedure



# Downloading the Emax Engine Data from the MFD

## EMax™ Total Engine Management Data Procedure



# Downloading the Emax Engine Data from the MFD

## EMax™ Total Engine Management Data Procedure

The screenshot shows the Microsoft Excel interface with the Text Import Wizard dialog box open. The dialog box is titled "Text Import Wizard - Step 2 of 3". It contains the following information:

This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.

Delimiters:

- Tab
- Semicolon
- Comma
- Space
- Other: [ ]

Treat consecutive delimiters as one

Text qualifier: [ ]

Data preview:

TIME	LAT	LONG	E1	E2	E3	E4	E5	E6
10:49:48	0.0000	0.0000	0	0	0	0	0	0
10:49:54	0.0000	0.0000	875	865	875	906	892	931

Buttons: Cancel, < Back, Next >, Finish

Check the "Comma" box. Then click "Next."

# Downloading the Emax Engine Data from the MFD

## EMax™ Total Engine Management Data Procedure

Microsoft Excel window showing the 'Avidyne Engine Data Log' spreadsheet. The spreadsheet displays engine data with columns for TIME, LAT, LON, and engine parameters (E1-E6, C1-C5). The TIME column is highlighted with a red box. A text box overlay reads: "Your Engine Log Data will appear, with data time-stamped every 6 seconds..."

TIME	LAT	LON	E1	E2	E3	E4	E5	E6	C1	C2	C3	C4	C5	
10:49:40	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	
10:51:42	46.839	-92.2034	706	753	832	728	883	812	107	0	111	0	116	
10:51:48	46.839	-92.2034	720	767	820	702	886	790	110	0	113	103	118	
10:51:54	46.839	-92.2034	696	760	823	683	883	769	112	101	116	105	122	
10:52:00	46.839	-92.2034	690	777	810	679	883	772	115	104	118	108	125	
10:52:06	46.839	-92.2034	703	750	780	673	887	819	118	107	121	111	128	
10:52:12	46.839	-92.2034	733	765	768	689	879	816	120	110	123	113	131	
10:52:18	46.839	-92.2034											115	133
10:52:24	46.839	-92.2034											117	136
10:52:30	46.839	-92.2034											119	139
10:52:36	46.8392	-92.2034											121	141
10:52:42	46.8392	-92.2034											124	144
10:52:48	46.8392	-92.2034	920	922	927	944	943	1005	134	126	137	126	147	

# Avidyne MFD Data Update Tutorial

