Manual ChartData Installation Guide for Mac Users
7/21/2014

This document describes how Mac users can download and unzip data for their Dynon and GRT system.

Important! If you have access to a PC running Windows or use Parallels / VMware to run Windows in a virtual machine on your Mac, we strongly recommend using the Windows-based DataManager application rather than use this manual method.

Overview
The general is idea is that you login to our Web page, download one or more data files, and unzip those files to your USB memory stick. The rest of this document details this, with special attention to precisely where to unzip the files.

Login
- Go to http://seattleavionics.com
- Click the link on the side of the page for your device (*Dynon* or *GRT*).
- Login using the email and password issued when you purchased.

Go to the Manual Download page.
- After logging in, you'll immediately see the *ChartData Activity Center* page.
- Look at the **Download Current Data** section then the **Mac OS X, Linux, etc.** sub-section.
- Click the link titled **Click here for manual download and installation instructions**.

Download Data
You'll see a large table of links with different types of data. Click the **Download** link to the right (in the *Action* column) to download the types of data you need.

Note that many types of data come in two parts --- often *Diagrams* (graphical images) and geo-data (the geo-referenced data that your device needs to make use of the graphical images). Download both parts. If you use any scanned charts (Sectionals or IFR Low/High charts), also be sure to download the Scanned Charts Descriptive Database that is required for these charts.

Unzip the Data to Your Memory Stick

Your device will look for the data in very specific folders on the memory stick. Therefore, it's critical to unzip the files into the right folders and this can be a little tricky.

Folder Overview
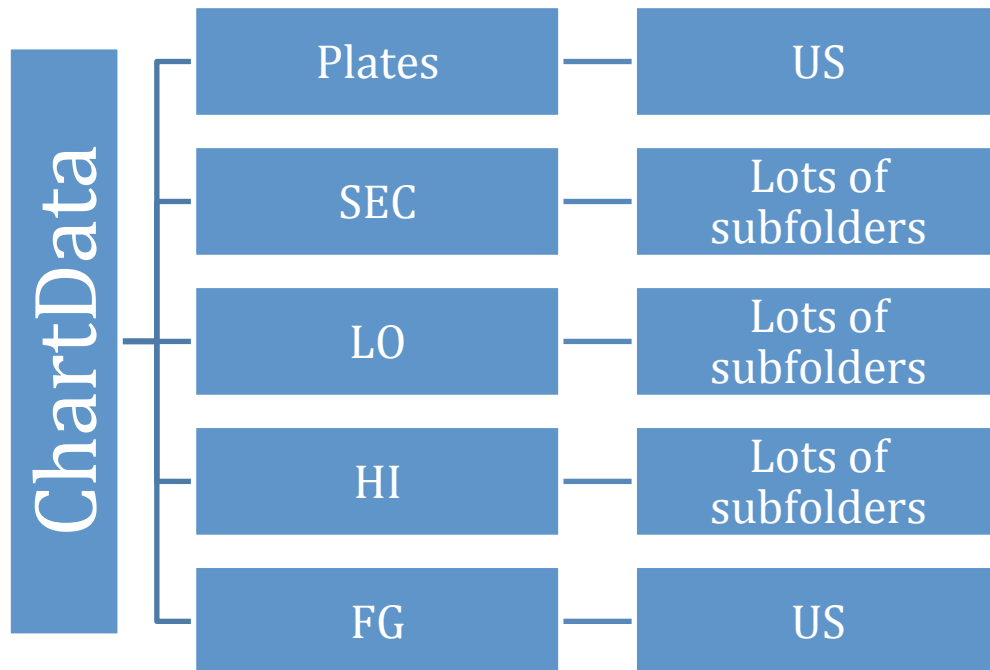
The general organization is a top-level folder called *ChartData* that serves as the root (that is, starting point) for all the other folders. Data for approach plates and airport diagrams is under *ChartData* in a folder called *Plates* and then, for US data, the actual plates are under a further subfolder called *US*. Flight Guide diagrams (Dynon only) are in a folder called *FG* under *ChartData*. Sectionals, IFR Low, and IFR High charts also get their own folder under *ChartData* (*SEC*, *LO*, and *HI* respectively).

Important! Due to computer file system limitations in how many files allowed per folder, the SEC, HI, and LO folders will have a large number of subfolders. Each of these subfolders contains the actual graphical files required to draw the maps. Each subfolder is a longitude value. Therefore, under *SEC*, *LO*, and *HI*, you'll see folders with names like *W121*, *W074*, etc. The zip files for the Sectionals, High, and Low charts already have this folder structure built-in so you simply need to unzip the Sectional, High, and Low zip files to the *ChartData* level and the zip file creates all the necessary subfolders.

Unzip the contents of each zip to the following folder as described below.

Note that most of the files require a password that changes with every new data cycle so be sure to supply the appropriate password as shown on the Web page with the download links.

Data Type	Unzip Into
IFR Approach Plates and Airport Diagrams	Charts -> Plates -> US
This will produce put about 17,000 files into the ChartData -> Plates -> US folder.	
IFR Approach Plates and Airport Diagrams geo-data	Charts -> Plates
This will put 7 files into Plates -> Plates: Airports.txt, Charts.txt, Cities.txt, Plates.sqlite, Plates.txt, Plates.xml, and States.txt. These files are required or the plates will not appear.	
Sectionals	ChartData
The Sectional zip file already contains a folder called SEC and lots of subdirectories below that. Each of these subfolders contains many graphical files that form the actual map. Therefore simply unzip the Sectional zip to the ChartData level and the resulting folder format should look like ChartData -> SEC -> <Lots of subfolders> -> Lots of graphic files (PNGs)	
IFR Low Altitude Charts	ChartData
The IFR Low Altitude zip file already contains a folder called LO and lots of subdirectories below that. Each of these subfolders contains many graphical files that form the actual map. Therefore simply unzip the IFR Low zip to the ChartData level and the resulting folder format should look like ChartData -> LO -> <Lots of subfolders> -> Lots of graphic files (PNGs)	
IFR High Altitude Charts	ChartData
The IFR High Altitude zip file already contains a folder called HI and lots of subdirectories below that. Each of these subfolders contains many graphical files that form the actual map. Therefore simply unzip the IFR High zip to the ChartData level and the resulting folder format should look like ChartData -> HI -> <Lots of subfolders> -> Lots of graphic files (PNGs)	
Scanned Charts Descriptive Database	ChartData
This database file tells your device where to find each of the different types of scanned charts and when each expires. **It is required or Sectionals and IFR Enroute charts will not work.**	
Flight Guide Diagrams (Dynon-only)	ChartData -> FG -> US
This will produce put about 5,000 files into the ChartData -> FG -> US folder.	
Flight Guide Diagrams geo-data	ChartData -> FG
This will put 7 files into *FG*: *Airports.txt, Charts.txt, Cities.txt, Plates.sqlite, Plates.txt, Plates.xml*, and *States.txt. These files are required or the Flight Guide diagrams will not appear.*	