

## Instructions for using TopoUSA to download and display GPS data from the Garmin Receivers

1. Turn on your receiver and connect it to the serial A port using the data cable provided. On the receiver go to the Main Menu -> Setup Menu -> Interface. Select the interface for GRMN/GRMN.
2. Get the CD's for TopoUSA and find a computer on which it is installed. Put the data CD into the drive and start the program from the DeLorme submenu on the Start Menu.
3. In the TopoUSA software go to the GPS menu and make sure that the Device is set to Garmin/Garmin.
4. Use the Find menu to center the map on Boulder. Enter "Boulder, CO" in the box above the SEARCH button, then click on SEARCH. You'll get a list of places in the Boulder area. Left click on one of them (the metro or hospital) and then click on the GO TO button just right of the SEARCH button.
5. On the Draw menu, click on the File button that is near the bottom left. After you press this, way over on the bottom right some new buttons will appear. Go to the right and click on the Exchange button. This will cause a GUI screen to pop up in the middle of the page. Click the Track button under GPS download. The track should now appear on your screen.
6. You can zoom in or out using the buttons at the top. The most you can zoom in is the 15-0 level, but on the right of the screen you can find a "magnify" button that lets you enlarge the detail up to 200%. This is probably sufficient for the stationary data.
7. To measure distances on the map you can use the yellow scale bar on the right to do it manually. You can also draw lines and polygons in the Draw menu that will display their lengths and areas enclosed. To get things in meters go to the Prefs menu and then to UNITS and pick Nautical Miles/Meters.
8. To save your data and map go to MapFolio and enter a file name. (I have not been able to figure out how to get it to store to a different directory than the default.) You can then open this MapFolio next time to continue.
9. To save your map, go to the Print Menu. You will then have the option of saving the map (or other ) bitmap images to a .bmp file. This can be imported to Word. I cannot figure out how to only save a small section of the map rather than the whole map at this smallest resolution. There is something called "Mural Maker" in the directions which seems to be able to do this, but I can't find it anywhere.

\*\* I would not recommend using the TopoUSA software unless you are mapping a hiking trail. The Street Atlas is a lot easier to use for static positioning and traveling along roadways.

-P.A.