



Downloading Data from GPSMap 78 Unit to DNR Garmin

Abstract

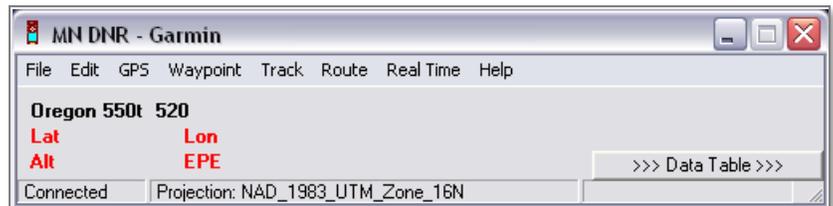
This guide outlines the steps to download data from GPSMAP 78 unit to DNR Garmin. It also works to load data from any GPX file to DNR Garmin, with the only change to the steps being the location where the source GPX data is stored. Screenshots show an Oregon 550 connected to DNR Garmin, but this process is the same for the GPSMap 78.

Steps: Set GPS Interface to Garmin Serial – Start DNR Garmin – Connect the GPS to the computer – Click File > Load From > File... – Change file type to GPX – Navigate to GPS Unit > Garmin > GPX – Select a GPX file and click open

Details

1. Set the GPS unit to *Garmin Serial* mode under the *Setup > System* menu. For details on this setting, if necessary, see the *Setup of the GPSMap 78* guide.
2. **Connect** the GPS unit to a computer that has the DNR Garmin software.
3. **Start** the DNR Garmin software if it is not already running.
4. DNR Garmin will try to automatically connect to the GPS unit upon startup. If it fails, an error message will appear which can be cleared by clicking **OK**.

5. While connected, DNR Garmin will display information about the connection to the unit. If not connected, DNR Garmin will display, "Not Connected," in the lower left corner.



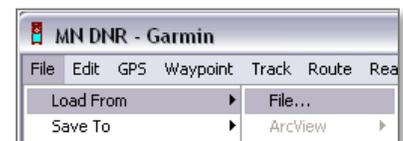
Troubleshooting the connection:

- In DNR Garmin under the *GPS* menu, make sure the USB port is checked.
- The *Baud Rate* found in the DNR Garmin *GPS* menu does not matter for these units.
- Make sure the Interface mode on the GPS unit is set to, "Garmin Serial."
- Make sure the micro USB cable is properly plugged into the unit and the computer.

6. Once a connection is established, you may proceed with data transfers.
7. If any points are already present in DNR Garmin, they will be cleared from the DNR Garmin table when you perform the next several steps. If such points are needed, be sure to save those points to a file before downloading new points from the unit. Refer to *Saving Data from DNR Garmin* for steps.

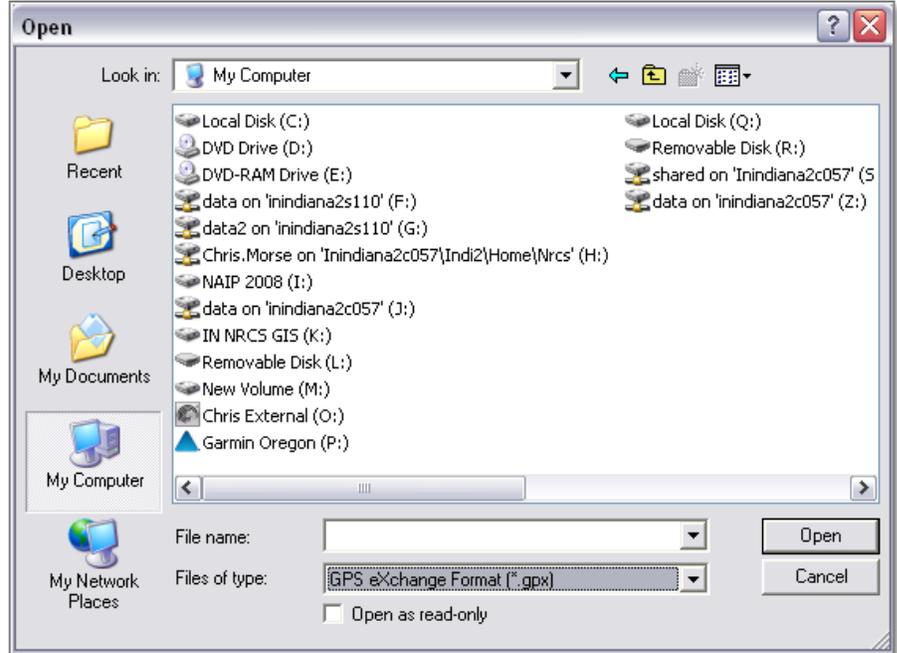
8. When ready to download, **left-click** *File > Load From > File...*

*Note: If downloading the current Track, just use *Track > Download* to get the current track. This works **only** for the current track the unit is collecting. If you have many Tracks saved on the unit, you'll instead have to use the process to Load From File.*



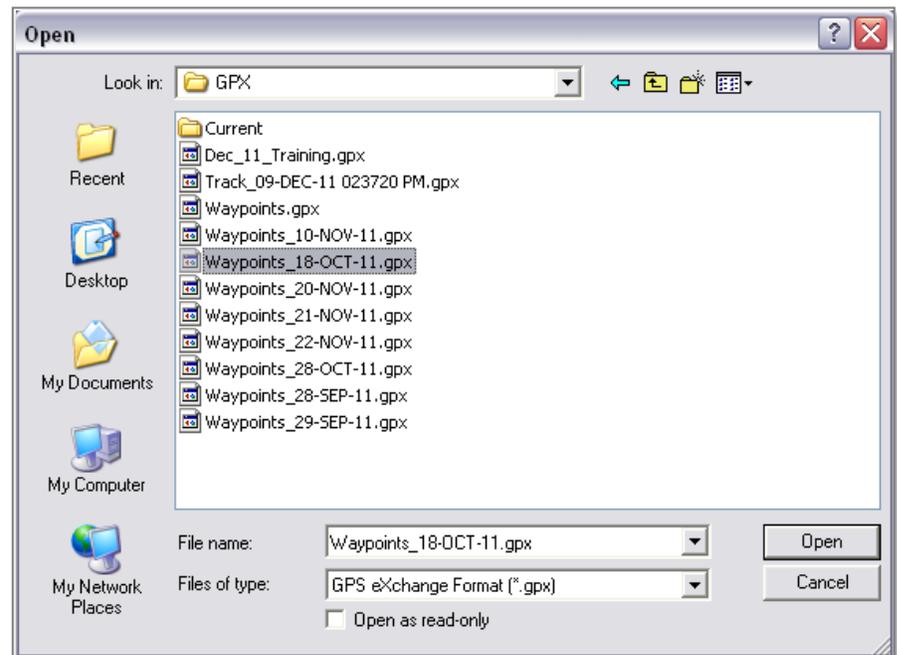


9. In the dialogue window that opens, **navigate** to the Garmin GPSMap 78 unit. It will be listed in your computer's system structure as if it were an external hard drive or thumb drive. It will also appear with a blue triangle in front of the name.
Note: The drive letter and name you see associated to the unit will most likely be different than the letter shown here.



10. **Change** the *Files of Type* dropdown from the default Text file format to *GPS eXchange Format (*.gpx)*.

11. **Double-click** the *Garmin GPSMap 78* entry to open it, then **double-click** the *Garmin* folder, and finally **double-click** the *GPX* folder.



12. The GPSMap 78 unit automatically creates daily waypoint files to store data and the file names begin with, "Waypoints." **Find** the file with the date on which you collected points, **select** it, and then **click Open**.
Note: If you are trying to load a Track you saved on the unit instead, look for a file name that begins with Track followed by the date.

13. You will be prompted for data type to load: *Waypoints*, *Tracks*, or *Routes*. **Choose** the type dependent on the data you are trying to load, typically *Waypoints*.

14. All points from the selected date will be loaded into DNR Garmin, but also only points for that selected date. This is why point naming while collecting data with this unit is very important to help distinguish projects or sites from each other. Once loaded, data is ready for transfer to file or ArcMap.
Note: If you need to work with points from multiple collection days in one DNR Garmin table, refer to the Base Camp guides for downloading data, managing data, and saving data in order to create a custom GPX file that DNR Garmin can load.