



Uploading Data to a GPS Map 76 or 76s Unit

Abstract

This guide outlines the steps to upload data from a Garmin GPS Map 76 or 76s unit to DNR Garmin.

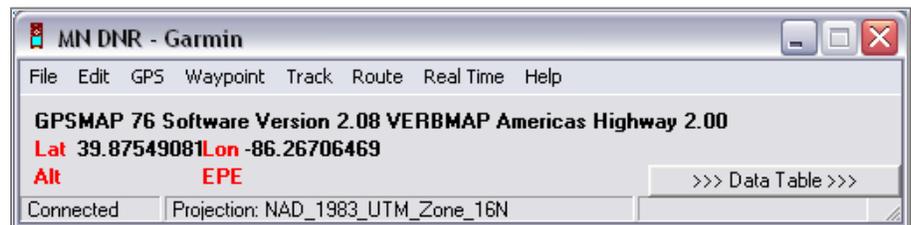
Steps: Set GPS Serial Data Format to GARMIN – Start DNR Garmin – Connect the GPS to the computer – Load Waypoints into DNR Garmin from file – Click Waypoint > Upload

Details

1. Set the GPS Map 76 or 76s unit to *GARMIN* mode under its *Interface* setup menu. To change this setting, if necessary, see the *Setup of the 76(s)* 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**. If DNR Garmin was already running, you can attempt to establish connection with the unit by clicking *GPS > Auto Connect to GPS*.



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:

- Make sure the Interface mode on the GPS unit is set to, “GARMIN.”
 - Make sure the *Baud Rate* found in the DNR Garmin *GPS* menu is set to 9600 (Garmin Default).
 - Make sure the unit has the 4-pin data cable properly aligned when plugged in.
 - Make sure the serial end of the data cable (9 pin port) is properly connected to your computer.
 - If using a Serial to USB converter cable or plug and you see messages for hardware to install on the computer when plugging the USB into your computer, you will need to ask your IT specialist to install the driver for the converter.
 - In DNR Garmin, click the *GPS* menu and **highlight** *Set Port* to see a list of ports. Try different ports until the connection opens. Remember to also try the USB port if using a USB converter.
6. Once a connection is established, you may proceed with data transfers between the computer and the GPS unit.
 7. The data to be sent to the GPS unit needs to be loaded into DNR Garmin. If not already done, load data from files or from an active ArcMap project into DNR Garmin. See the applicable task guide for steps.

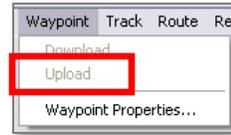
NRCS Indiana GPS Task Guide
Garmin GPS Map 76 Units





8. Review data on the GPS unit to make sure it does not have the same point names as the data you are about to upload. Uploaded data will overwrite any data on the unit with the same name without prompting. Either remove the points from the unit (saving them if needed), or rename the points to be uploaded (see *Working with Data in DNR Garmin* for information on renaming points).

9. When ready to upload, **left-click** *Waypoint > Upload*.
*Note: If uploading tracks or routes, use the **Track** or **Route** menu to upload.*



10. The Waypoints will be transferred to the GPS unit and a message indicating a completed transfer will appear. **Click OK.**
11. Once the data is on the GPS unit, you can take the unit to the field and use it to navigate to the uploaded points. See the appropriate task guide for steps.