



Setup of the Garmin GPS Map 76 or 76s Unit

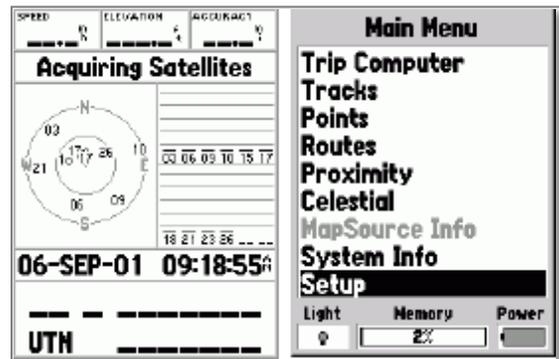
Abstract

This guide outlines the recommended settings for the Garmin GPS Map 76 and 76s GPS units for NRCS users in Indiana. To review settings when using the USDA Backpack, please refer to the IN NRCS GPS tip sheet for Setup of the USDA Backpack. The recommended settings are made to insure that data collected in the field is consistent with most of the GIS data and imagery currently available in USDA Service Centers.

Steps: Press Menu button twice – Choose Setup – Under General tab set Mode to WAAS – Under Location tab set Location Format to UTM UPS, set Map Datum to WGS84 (or NAD83), and set North Reference to True – Under Interface tab set Serial Data Format to GARMIN – Under Time tab set the time zone and daylight savings time as appropriate – Press Page button to exit Setup

Details

1. Turn on the GPS unit by holding down the **POWER** key until the unit activates.
2. Press the **ENTER** or **PAGE** keys to advanced through the welcome screens until the GPS Information screen (skyplot with “Acquiring Satellites” message) appears.
3. Press the **MENU** key twice to bring up the Main Menu.
4. Highlight “Setup” using the **ROCKER** key. Press the **ENTER** key to select “Setup”. A new screen will load with various Setup category tabs listed across the top which are: *General, Time, Units, Location, Alarms, and Interface*.
5. Use these steps to change any of the setup values to those specified in the following Setup tab descriptions.
 - a) Use **ROCKER** key to move left or right to the desired Setup category tab
 - b) Use **ROCKER** key to move to the desired field. Press **ENTER** key to modify the field.
 - c) Use **ROCKER** key to highlight the correct setting from a list of choices or to adjust a numeric value, if applicable. Press **ENTER** key to lock in the setting changes after highlighting a choice or adjusting numeric values.
 - d) You may need to use the **ROCKER** key to go back up to the Setup tabs before being able to move left or right to access other tabs to make additional settings.
6. *General* tab
 - a) WAAS should be set to enabled, as shown to the right. This setting provides better accuracy when using the units without the USDA backpack receivers. It has no effect when using the unit with USDA backpack receivers so it can always be left as *Enabled*.
 - b) It is also recommended to keep the *Backlight Timeout* length relatively short and to change the *Beeper* setting to “Off” or “Message Only”.



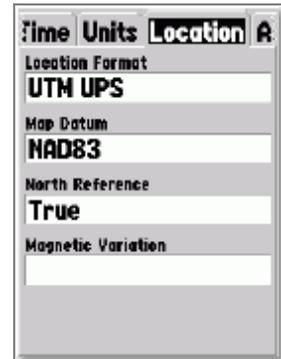


7. *Location* tab

- a) Set *Location Format* to “**UTM UPS**”.

Note: “Location Format” simply controls the coordinates displayed onscreen with the unit. Data is still downloaded from the unit as lat/long values into the DNR Garmin software.

- b) Set *Map Datum* to “**WGS84**” (NAD83 is also acceptable).
c) Set *North Reference* to “**True**” or set to “Magnetic” for navigating with a compass.



8. *Interface* tab

The GPS Map 76(s) can be used without the backpack when maximum accuracy is not a requirement or when DGPS radio signal coverage does not cover your area. This could be applicable to conducting resource inventories, conservation planning, or basic navigation to waypoints. To review settings when using the backpack, please refer to the IN NRCS GPS tip sheet for Setup of the USDA Backpack.

Serial Data Format should be set to “**GARMIN**”.

Note: This setting is also used when downloading data to DNR Garmin.



9. *Time* tab

- a) Set *Time Zone* to the “Eastern” or “Central” depending on your location.
b) Most of the units may also need the user to make sure that *Daylight Savings Time* is set to “On” or “Off” as appropriate. Use of the “Auto” setting may result in the unit not updating time correctly because changes to the Daylight Savings Time start and end dates were made after the units were built.
c) The rest of the time and date settings are received from the GPS satellite signal. If they are incorrect, stay outside with the unit on and with satellites acquired to download the most up to date almanac. Once downloaded, the unit should show the correct time in this menu. Typically, if a unit is not used for a long time or if it is reset to factory defaults, the user will need to acquire satellites and wait for the time and date to update and be correct before they can begin using the unit.