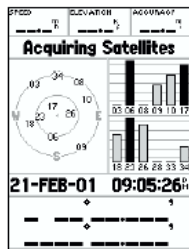


Appendix II – Agricultural Mechanics Basic Information for Operating a GPS76

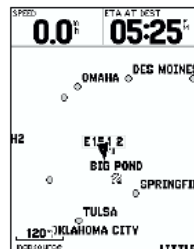
This exercise will provide you with the knowledge and skill to navigate the pages and menus of your GPS 76 with confidence.

As we progress through this Owner's Manual you will often be directed to press a specified Interface Key or highlight a field. When you are directed to press a Key, you should press, then release the Key. If the Key needs to be held down for a period of time, the instruction will tell you. The position of the highlight is controlled by the **ROCKER** Key. When a field is highlighted, a dark strip will encompass the field.

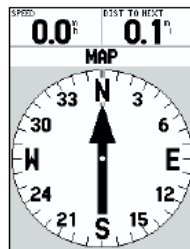
Let's start by taking a look at the five main display pages. They are the GPS Information Page, Map Page, Pointer Page, Highway Page and the Active Route Page. You can cycle through these pages by pressing either the **PAGE** or **QUIT** Key. When the GPS 76 is turned on a Welcome Page will be displayed, followed by a Warning Page. Acknowledge these pages by pressing the **PAGE** Key while they are displayed. The GPS Information Page will now be displayed.



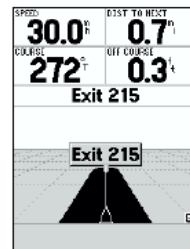
GPS Information Page



Map Page



Pointer Page



Highway Page

Active Route	
001-GARMIN	
Waypoint	Distance
001	0.3
002	1.0
003	2.0
GARMIN	2.6

Total	2.6

Active Route Page

GPS Information Page

The GPS Information Page displays your speed, elevation, the estimated accuracy, receiver status, satellite locations, satellite signal strength, the date, time and the GPS receiver's current location.

Speed, Elevation and Estimated Accuracy

When the GPS is receiving at least three satellite signals, it will provide you with the current GPS Speed and the estimated Accuracy of the GPS Location. The GPS must be receiving at least four satellite signals to report the Elevation.

Current GPS Receiver Status

The current status of the GPS receiver will always be displayed.

Autolocate — Forces the receiver to search for each satellite individually.

Acquiring Satellites — The receiver will begin in this mode each time the unit is turned on. The GPS receiver will remain in this mode until it has acquired at least 3 satellite signals.

2D GPS Location — Indicates that the receiver is only using three satellite signals. When a 2D GPS Location is achieved, the GPS will display your current position but is incapable of providing an altitude reading.

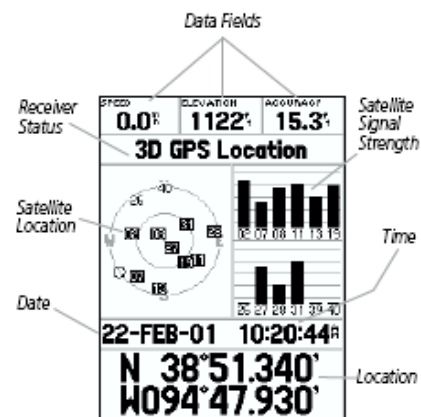
3D GPS Location — Indicates the receiver is currently using at least four satellite signals and is capable of providing your current position and altitude. A "D" will be displayed in or above the indicator bar for each differentially corrected satellite.

2D Differential Location — Indicates the receiver is using DGPS or WAAS differential data on three satellites. A "D" will be displayed in or above the indicator bar for each differentially corrected satellite.

3D Differential Location — Indicates the receiver is using DGPS or WAAS differential data on at least four satellites.

Lost Satellite Reception — Indicates that the GPS receiver has lost satellite reception.

Simulating GPS — Indicates the GPS 76 is running in Simulator Mode and the GPS receiver is turned off. It is important to remember when you are using the Simulator, the GPS 76 can not be used for actual navigation.

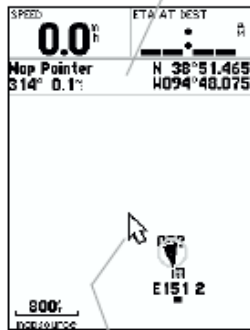


GPS Information Page

Getting Started

Basic Navigation

Bearing and Distance from Pointer to current GPS location.



Map Pointer

Going to a waypoint:

1. Press the NAV Key.
2. Highlight 'Go To Point' then press the ENTER Key.
3. Highlight 'Waypoints' then press the ENTER Key.
4. Highlight 'MAP 1' then press the ENTER Key.
5. Highlight the 'Goto' Button then press the ENTER Key.

The GPS 76 is now navigating to the waypoint MAP 1.

For a GPS to navigate, it has to be moving, and fortunately you can simulate movement in the GPS 76. Press the PAGE Key until the Pointer Page is displayed. Along the top of the Pointer Page there are several data fields. The Speed Field is located in the upper left corner. To simulate movement, press the ROCKER Key up one time. This will set a speed of 10 miles per hour. If you continue to press or hold the ROCKER Key, the speed will increase in 10 mph increments. For our purpose, 10 mph is fine.

The Pointer Page displays a Pointer and a Compass Ring. The Pointer will always point toward your destination (Bearing) while the Compass Ring reflects the direction that you are traveling (Track). In short, when you are headed directly toward your destination, the Pointer will be pointed toward the top of the display, aligned with the vertical line on the Compass Ring. If you are no longer heading toward your destination, the Pointer will turn away from the top of the display to point toward your destination. To get headed toward your destination again, turn until the Pointer is realigned with the vertical line in the Compass Ring and pointed toward the top of the display.

The simulator will let you change the Track so that you can see what will happen. Press the ROCKER Key to the right until your Track has changed about 40°. This will simulate a direction change to the right. The Pointer should now be pointed toward the left of the display indicating that you need to turn to the left to head toward the waypoint. This is exactly what will happen during actual navigation.

You should now have enough knowledge to navigate through the main pages, Option Menus and enter data into your GPS 76. Now let's learn how to navigate!

The main use of a GPS is to be able to navigate to a known position. We have already created a waypoint and named it CREEK. Let's create another waypoint on the Map Page using a different method, the Map Pointer.

Press the PAGE Key until the Map Page is displayed. Press the IN Key several times until the Zoom Scale in the lower left corner of the Map Page reads 800 ft. The current GPS location is indicated by the triangle in the center of the map.

To display the Map Pointer:

1. Press the ROCKER Key any direction.

Using the ROCKER Key you can pan the Map Pointer around the map. As you move around the map, the direction and distance from the Map Pointer to the current GPS location is displayed along the top of the map.

To mark a waypoint using the Map Pointer:

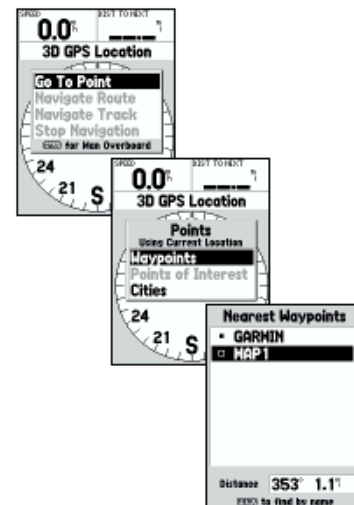
1. With the Map Pointer at a location on the map about one mile from your current location, and not on a road or map feature, press the ENTER Key.

The location of the Map Pointer will be captured and the New Waypoint Page will be displayed. Change the waypoint name to MAP 1, and store the waypoint in memory by highlighting the 'OK' Button then pressing the ENTER Key. Press the QUIT Key to hide the Map Pointer and center the map on the current GPS location.

Now that we have a destination, navigating to it is just a step away.

Getting Started

Basic Navigation



Selecting a waypoint for navigation