

Advanced GPS Course #1

*** Examples use Garmin Map 60/76 series*

1. Compass page “Bearing” and “Course” pointers

To switch between compass bearing and course pointers, start on the Compass page and:

1. Press the “MENU” button.
2. Select “Bearing Pointer” or “Course Pointer”.
3. Press the “ENTER” button.

2. Map page “Bearing and “Course” goto lines

To switch between map bearing and course “Go To” lines, start on the Map page and:

- Press the “MENU” button.
- Select “Setup Map” and press the “ENTER” button.
- Scroll left or right until “Map Setup – Tracks” is selected.
- Scroll down to the “Go To Line” field and select “Course” or “Bearing”.
- Press the “ENTER” button.

3. Measuring distance from the user

To start measuring distance, select the Map page and:

- Press the “MENU” button.
- Select “Measure distance”.
- Move the pointer to the position to measure to.
- Distance from user is shown at top right of screen.
- Press “QUIT” to stop measuring.

4. Measuring distance between points

To start measuring distance, select the Map page and:

1. Press the “MENU” button.
2. Select “Measure distance”.
3. Move the pointer to the starting point and press “ENTER”. A pin is placed at this point.
4. Move pointer to the end point. Distance between points is shown at top right.

Following a Bearing Exercise

This exercise will demonstrate how the GPS can assist in following a bearing (walking a straight line). You will start off on a bearing, drift off it and get turned around. You will then see how the GPS can assist with getting back on your original bearing.

1. Enter a waypoint for the Superstore at Porters Lake:
477703 E 4954479 N
2. Set your GPS' map and compass screens to the COURSE pointers. Set the map page zoom level to 50 or less.
3. Stand at the flagged stake at the back of the hall parking lot. The line represents bearing you are to follow as you walk to the Superstore.
4. Set your GPS to GOTO (off road) the Superstore waypoint. Note the bearing line as flagged in the parking lot.
5. Walk to the stake at the front of the hall and face the #7 highway. This simulates drifting off your original bearing and getting turned away from the waypoint (maybe you had to go around a wet area in heavy bush).

How can the GPS to help you return to your original line of travel?

On the map page:

6. Look at the map page. Your original line of travel is shown as a solid line. You are the triangle. This lets you visually see where you are in relation to your original bearing.

On the compass page:

7. The arrow points to the waypoint. Dial the "bearing" degrees into your compass and point yourself towards the waypoint. Move slightly forward until the arrow points straight up.
8. The "off course" distance indicates how far you have drifted off your original bearing and the broken line to the left of the arrow indicates you have to go to the left to get back to your original bearing.
9. Turn 45 degrees to your left and walk until the "off course" distance reaches zero. Dial the "bearing" degrees into your compass and point yourself towards the waypoint. You should be back on your original bearing and facing the waypoint.