

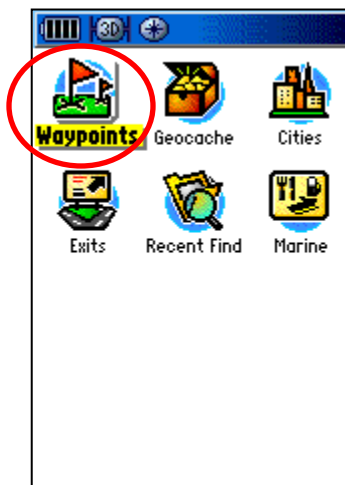
How to use a GPS receiver

Exercise Six: Position Format and Map Datums

Objective: Become familiar with how to change position format and map datums on your GPS.

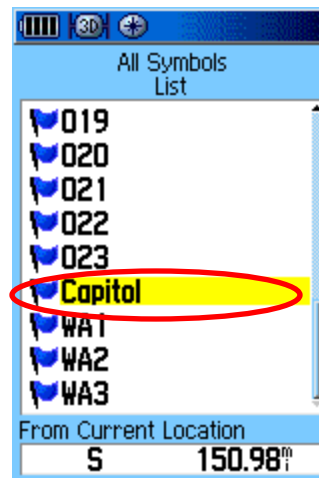
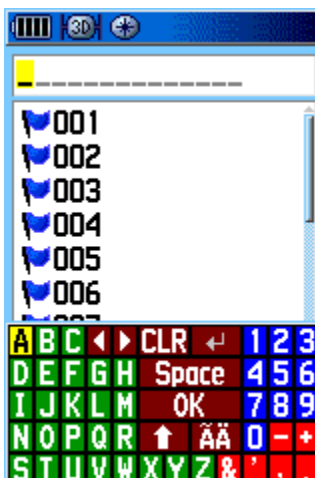
Procedure:

Part one ~ Look at the preloaded coordinates for the Minnesota Capitol



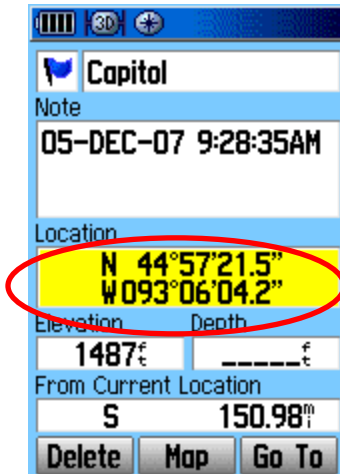
1. Press the <FIND> key to bring up the 'Find Menu' screen.
2. Using the <ROCKER> key, highlight 'Waypoints' and press the <ENTER> key.

3. You are now at the 'Waypoints' menu screen that by default brings up the alphabet search pad. Press <QUIT> to get rid of this pad. Scroll up or down to highlight 'Capitol' waypoint. Press <ENTER>.



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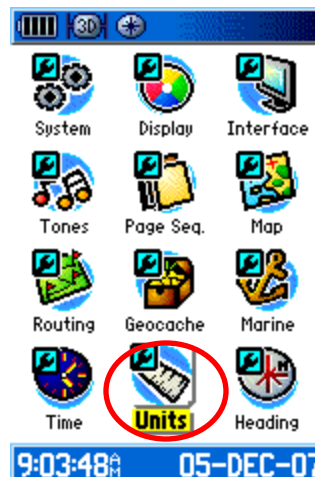
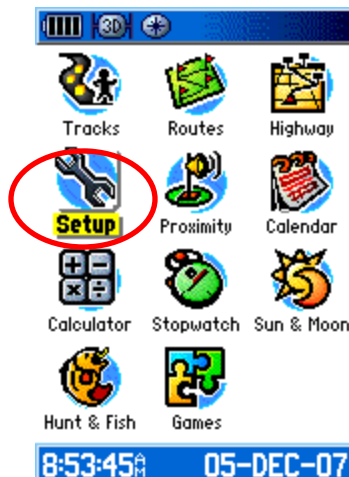
4. Look at the position format in the location box

Current Position format = hddd°mm'ss.s"

In part two we will change the position format to UTM UPS.

Part two ~ Changing the position format

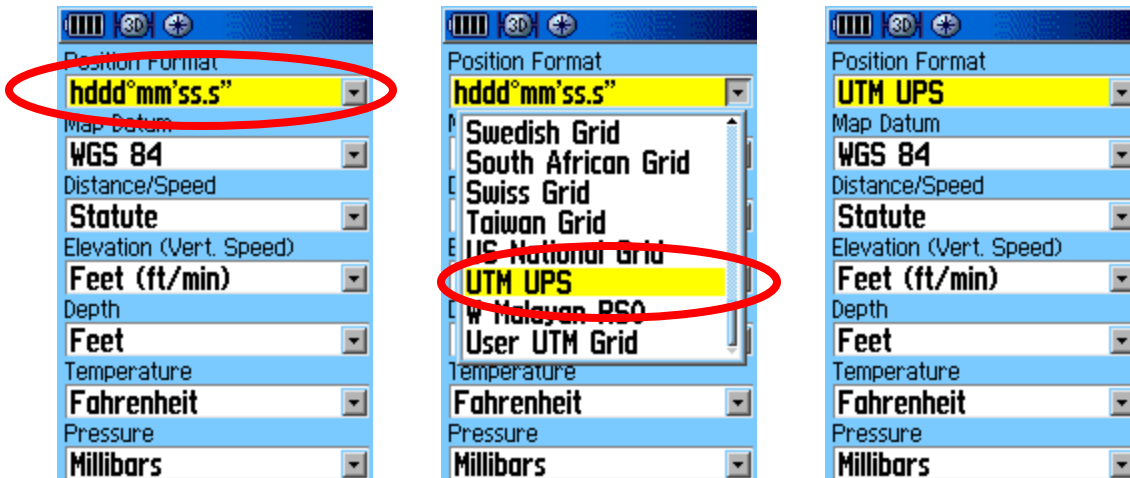
1. Go to the Main Menu Screen, and use the <ROCKER> pad to highlight 'Setup' and press <ENTER>.
2. In the Setup Menu Screen, and use the <ROCKER> pad to highlight 'Units' and press <ENTER>.



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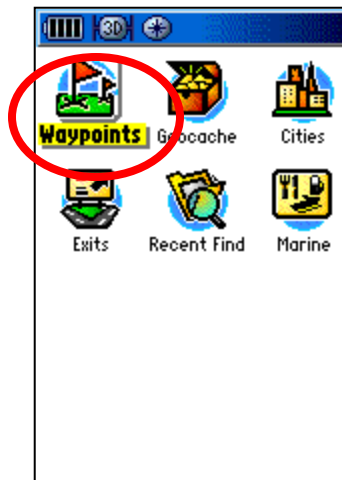
3. Highlight 'Position Format' and press <ENTER>
4. Press down on the <ROCKER> pad to highlight 'UTM UPS' and press <ENTER>.



5. You have now changed the Position Format from Degrees, Minutes, Seconds to UTM UPS.

Let's look and see how our coordinates for the capital changed.

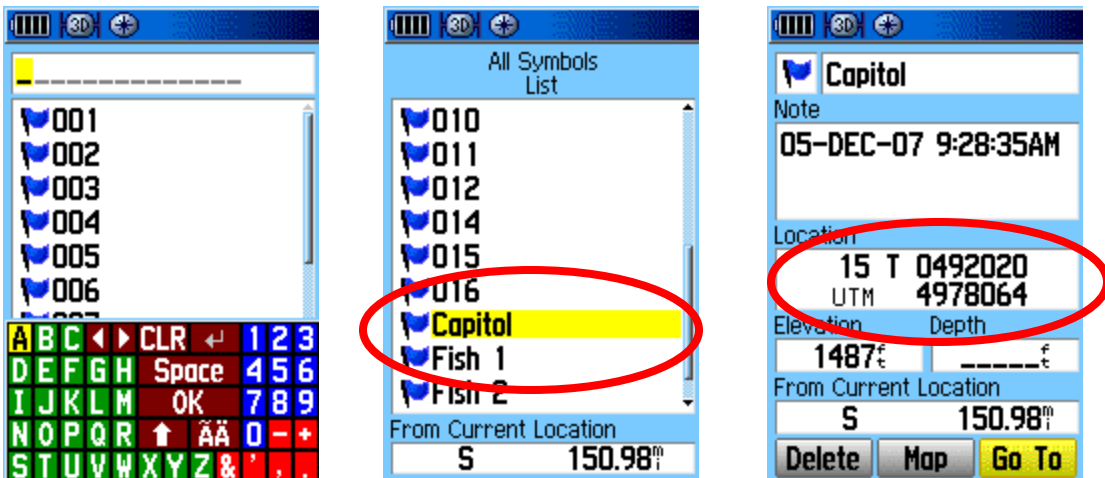
6. Press <FIND>, highlight 'Waypoints' and press <ENTER>.



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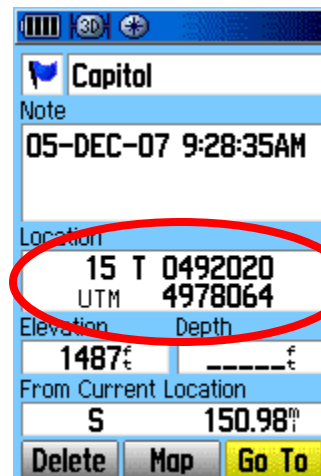
5. You are now at the 'Waypoints' menu screen that by default brings up the alphabet search pad. Press <QUIT> to get rid of this pad. Scroll up or down to highlight 'Capitol' waypoint. Press <ENTER>.



6. Look at the position format now....Check to make sure your coordinates match below.

Current Position format = UTM UPS

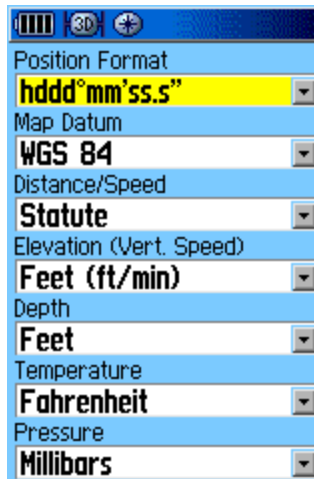
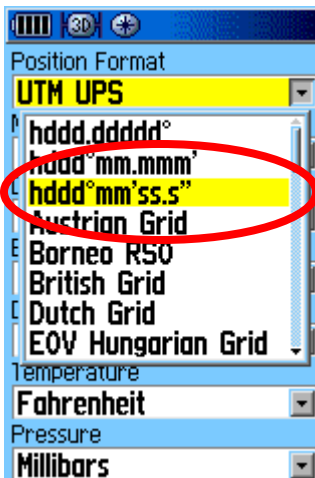
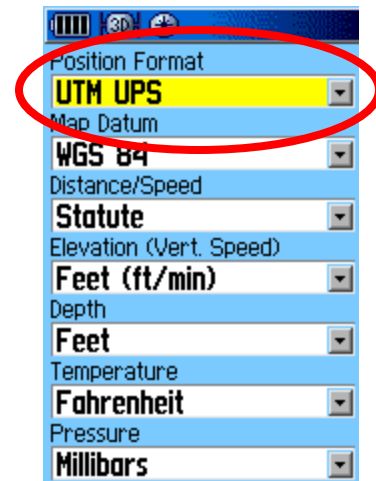
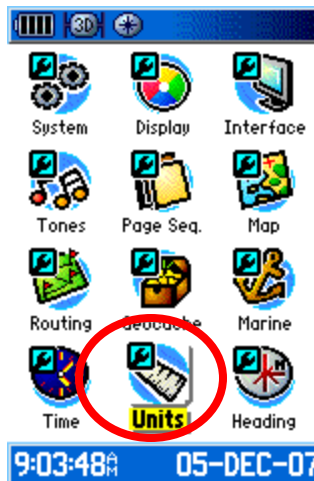
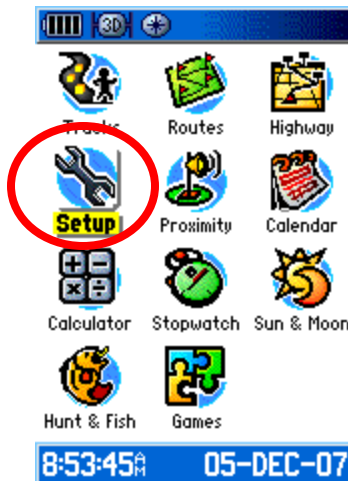
It is the same waypoint as before....the GPS has automatically transformed the coordinates to the new position format.



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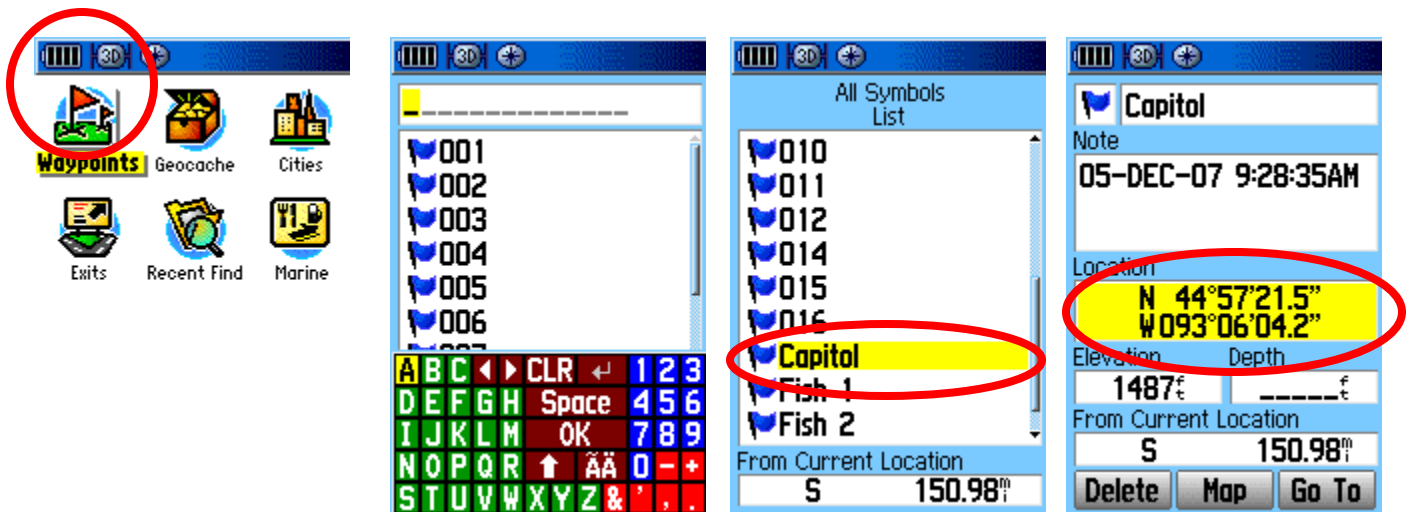
7. Challenge: Use the following sequence of screen shots as hints to change the Position Format back to $hddd^{\circ}mm'ss.s''$



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Now check your work by looking at the 'Capitol' waypoint again. Use the screen shots below as hints on how to do this.



Congratulations you have just transformed the Position format back to $hddd^{\circ}mm'ss.s'$

Note: Map Datums can also be changed in the same manner under the 'Units Menu'

Look just one box below the 'Position Format'

