Your GPS Unit
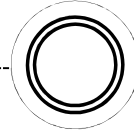
The Basics

- ## Turning the Unit On
  - Press and hold the power button for 2 seconds

- ## Turning the Unit Off
  - Press and hold the power button until the screen goes blank

- ## Acquiring Satellites
 - Initial Start-up
  - Allow the unit to warm-up

Preparing your GPS Unit for Use

- Setting the profile to Classic
  - Press the MENU button twice to open the Main Menu
  - Use the *rocker* to move up and down/left and right until Profile Change is highlighted
  - Press the ENTER button to select Profile Change
  - Use the rocker to select Classic & press ENTER

The Classic profile is the closest profile to what we need for GLOBE. Also, using this profile for GLOBE activities will allow you to save recreational and geocaching profiles for other activities.
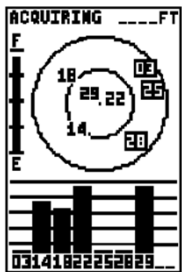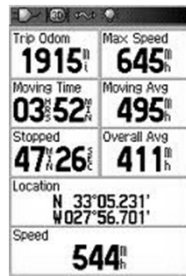
The Basics
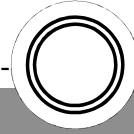
Screens

- ## Screens

satellite

trip computer

map

compass

main menu

Buttons
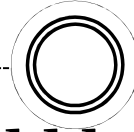
- PAGE/QUIT – navigate through the screens, exit out of menus
- ENTER– Submit
- MENU– Open the menu options for the current screen, press twice to enter main menu
- Rocker—like a joystick
- IN/OUT–zoom in and out on maps, also -/+ functions like a phone
- FIND– Open the search menu
- MARK– Save current location as a waypoint or manually enter a new waypoint

Preparing your GPS Unit for Use

- Position Format (set to hddd.ddddd)
  - Press ENTER twice to open the Main Menu
  - Use the rocker to highlight Setup & press ENTER
  - Use the rocker to highlight Position Format & press ENTER
    - Position Format is highlighted
    - Press ENTER to select a new format
    - Use the rocker to arrow UP once to *hddd.ddddd°*
    - Press ENTER to set the Position Format to: *hddd.ddddd°*
  - Press QUIT to save changes and exit the Position Format menu
- Elevation (set to meters)
  - Use the rocker to highlight Units & press ENTER
  - Use the rocker and ENTER button to set Elevation (Vertical Speed) to meters (m/min or m/sec)
  - Press **QUIT** to save changes and exit the Units menu.

Preparing your GPS Unit for Use
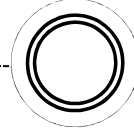
- Time (set to UTC time)
  - Use the rocker to highlight Time & press ENTER
  - Use the rocker and ENTER button to set the Time Format to 24-hour and the Time Zone to Europe – Western
    Your GPS Unit will now report the time as UTC.
  - Press QUIT to save changes and exit back to the Setup Menu
  - Press QUIT again to exit to the Main Menu.

Preparing your GPS Unit for Use
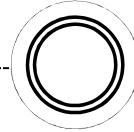
- Customizing the Trip Computer
  - Press PAGE until you are at the Trip Computer screen
  - Press MENU to view this page's menu options
  - Use the rocker to highlight Change Data Fields & press ENTER
  - Use the rocker to highlight the lowest left box & press ENTER
  - Use the rocker to highlight Time of Day & press ENTER
    - Time of Day is now displayed in this box
  - Use the rocker to highlight the lowest right box & press ENTER
  - Use the rocker to highlight Location (selected) & press ENTER
    - Lat/Long in our selected format is now displayed in this box
  - Use the rocker to highlight the box above Time of Day & press ENTER
  - Use the rocker to highlight Elevation & press ENTER
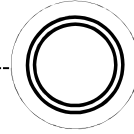   - Elevation in meters is now displayed above the time

5 Basic Functions
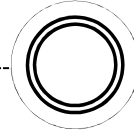
1. Find where you are (locations).
2. Store locations (waypoints).
3. Directions to someplace you want to be (bearing).
4. Move between waypoints (route).
5. Visualize where you've traveled (tracks).

Applications

- For GLOBE and other science projects – define your study site
  http://www.globe.gov

- For Geology – Earthcaching
  http://www.earthcache.org/

- For History, Geography & Science and fun – geocaching
  http://www.geocaching.com/

- For School Fundraisers – treasure hunt