



MONROE 2 ORLEANS BOCES

## GPS Background Information

- ◆ GPS stands for Global Positioning System.
- ◆ The global positioning system is a global system of U.S. navigational satellites developed to provide precise positional and velocity data for air, sea, and land travel.
- ◆ It consists of 28 satellites orbiting Earth at about 14,000 miles high and traveling approximately 18,000 mph.
- ◆ The GPS receiver receives radio signals from the 28 satellites.
- ◆ From the radio signals, it determines your location on Earth. The GPS receiver measures the time it takes the radio waves to go from at least 3 satellites to your receiver.



**\*\* Available to schools in  
Monroe County only.**  
ESP couriers deliver and pick up the  
equipment.

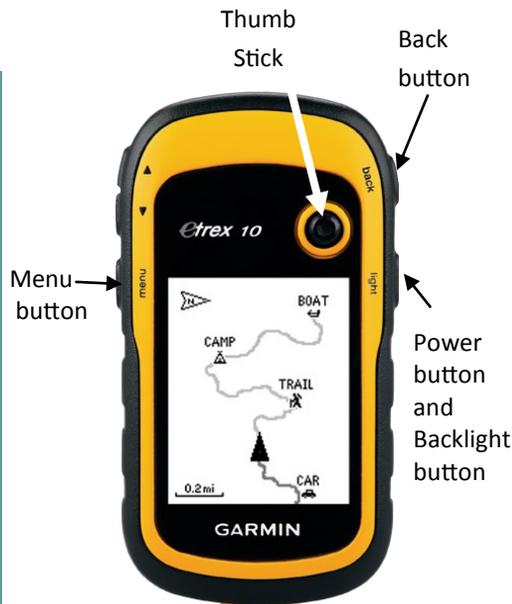
**If you have any questions about the use of  
the eTrex 10 GPS device or are having  
difficulty using it, please contact the  
Elementary Science Program at:  
585-352-1140 or 1-800-832-8011  
[www.espsciencetime.org](http://www.espsciencetime.org)  
[aquinn@monroe2boces.org](mailto:aquinn@monroe2boces.org)**

## Using the Garmin eTrex 10 GPS



[www.garmin.com](http://www.garmin.com)

# GPS Overview



**Power Button** - Press and **HOLD** to turn the GPS device on and off.

**Backlight button** (same as the Power Button) - Press the Power Button again to see the date/time, to increase or decrease the backlight on the screen, to view acquired GPS satellite strength, and to see current battery power.

**Back button** - Press to go back to previous page on the screen.

**Thumb Stick** - Move left/right and up/down to move the cursor on the screen. Push down on it to select options.

## Create a Waypoint

GPS Main Screen



1. On the main screen (see above), use the Thumb Stick to highlight **Mark Waypoint** on the screen.
2. Push down on the Thumb Stick to select it.
3. Move the Thumb Stick to highlight “Done” at the bottom right of the screen. Push down on the Thumb Stick to select it.
4. The device is ready for the next waypoint.

## Return to a Waypoint

1. On the main screen (see above), move the Thumb Stick to highlight **Where To?** and push down on the Thumb Stick to select it.
2. Highlight **Waypoints** on the next screen and push down on the Thumb Stick to select it.
3. The list of waypoints will appear on the screen. Move the Thumb Stick to highlight the waypoint you want to return to.
4. Push down on the Thumb Stick to select it.
5. A map will appear on the screen with the word “Go” highlighted. Push down on the Thumb Stick to select “Go”, and an arrow will appear on the screen directing you to the location.

## Edit a Waypoint

1. On the main screen, use the Thumb Stick to highlight **Waypoint Manager** and push down on the Thumb Stick to select it.
2. Use the Thumb Stick to scroll through the list of waypoints. Find the waypoint that needs editing and push down on the Thumb Stick to select it.

3. Highlight and select the part of the screen to be edited. A keyboard will appear on the screen. Use the Thumb Stick left/right and up/down to select numbers/letters.
4. Push down on the Thumb Stick to select each number or letter. Highlight and select “Done” when edits are complete.
5. Then use the Thumb Stick to scroll down to “Go”. Push down to select.
6. The device will ask you, “Do you want to simulate driving this route?”. Click on “No”. A map with flags will appear on the screen. Push the **Back** button on the right side of your device. This will take you back to the main screen.

## Delete a Waypoint

1. On the main screen, move the Thumb Stick to highlight **Waypoint Manager** and push down on the Thumb Stick to select it.
2. Use the Thumb Stick to scroll through the list of waypoints. Find the waypoint that is to be deleted and push down on the Thumb Stick to select it.
3. Push the **Menu** button on the left side of your device. An option box will appear on your screen. “Delete” is the top selection in the box. Push down on the Thumb Stick to select it.
4. The device will ask you “Do you really want to delete waypoint #?”. Highlight “Yes” and push down on the Thumb Stick to select it. Once the waypoint has been deleted, you will go back to the waypoint screen.
5. To go back to the main screen, push the **Back** button two times.