



Usability Issues + Fixes

General Fixes:

- Add Logo to each page
- Color change to better fix the contrast
- Line up tables so data aligns up properly
- When highlighting a tab, does it make sense to have a “popup” that explains its purpose?
- General face lift so the website looks better and is more user friendly

Issue #1 - Setup:

Screenshot:

The screenshot shows a web interface titled "Setup" with a dark background. At the top, there are navigation tabs: HOME (with a house icon), GPS (with a star icon), Odometer (with a wheel icon), IMU (with a square icon), LIDAR (with a lightning bolt icon), and LPCM (with a plug icon). Below the tabs, the section "BerryGPS-IMU" is expanded. It contains several configuration options: "GPS" with an "Enable" checkbox (unchecked); "IMU" with an "Enable" checkbox (unchecked), and three dropdown menus for "Forward" (set to 'x'), "Side" (set to 'y'), and "Vertical" (set to 'z'); "Wit Motion JY-GPSIMU" with a "GPSIMU" section containing an "Enable" checkbox (checked) and three dropdown menus for "Forward" (set to 'x'), "Side" (set to 'y'), and "Vertical" (set to 'z'); "360 LIDAR" with an "Enable" checkbox (unchecked); "HPS 3D LIDAR" with an "Enable" checkbox (unchecked); and "LPCM" with an "Enable" checkbox (unchecked). At the bottom of the form are two buttons: "Reset" (with a circular arrow icon) and "Save" (with a floppy disk icon).

Explanation:

- The sections on this page aren't defined enough. (GPS, IMU, 360 LIDAR).

Proposed Fix:

- Maybe make the text larger or centered? It would also be easier to define a section with the general color changes that are coming.
- Maybe add an explanation about what each section is and what it does

Issue #2 - Home:

Screenshot:



Explanation:

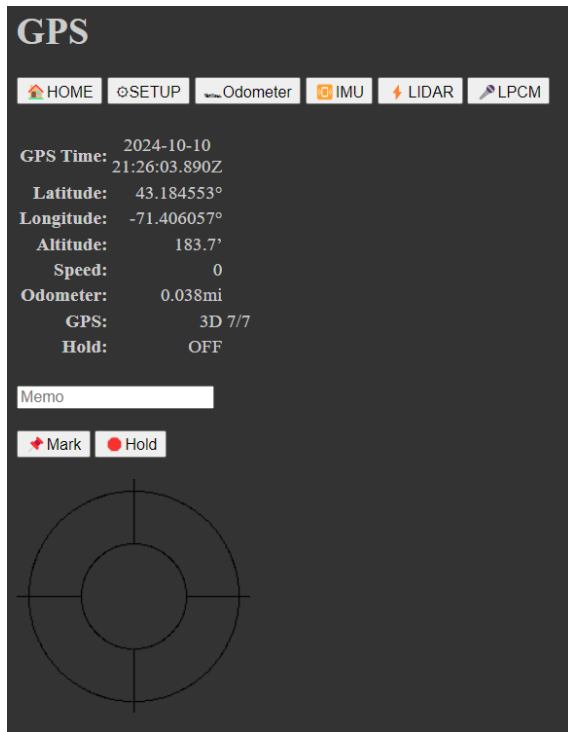
- The CPU temp is only presented in Celsius.

Proposed Fix:

- It would be benefit to provide both Celsius and Fahrenheit for places using temperature.

Issue #3 - GPS:

Screenshot:



Explanation:

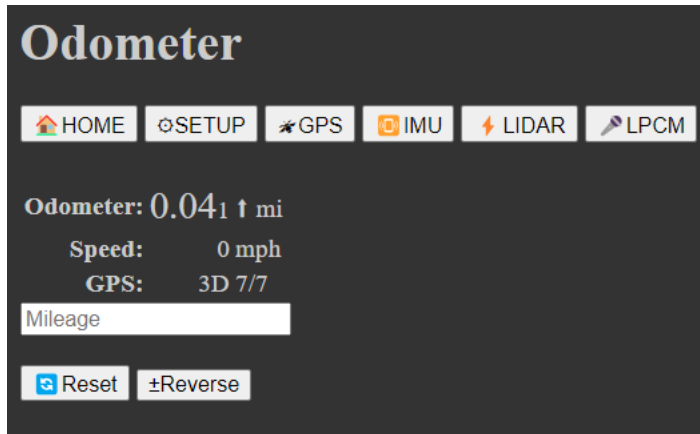
- The contrast for the GPS marker (black circles), has bad contrast in comparison.
- We can be more specific that latitude and longitude.
- Does memo field grow as you write in it?

Proposed Fix:

- For the GPS marker, change this to fit the incoming color scheme.
- Use the latitude and longitude to provide a general location (name) for the given data.
- Come up with a better way to insert in notes

Issue #4 - Odometer:

Screenshot:



Explanation:

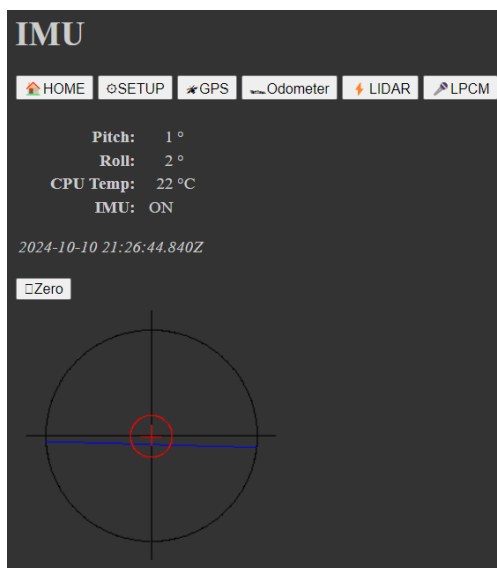
- The text size for the Odometer section is not suit.
- Speed conversions?

Proposed Fix:

- Change the text size to follow that of the rest of the page.
- Show mph and kpm?

Issue #5 - IMU:

Screenshot:



Explanation:

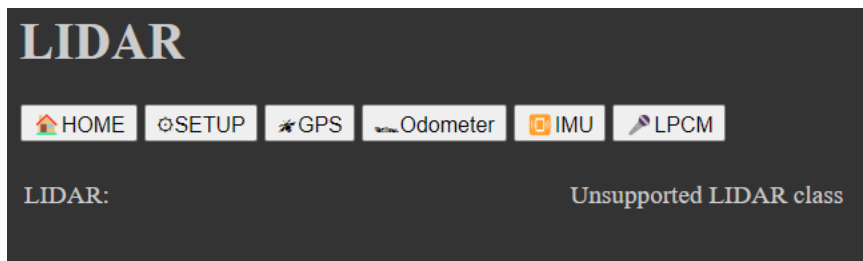
- CPU temp is only in Celsius

Proposed Fix:

- It would be benefit to provide both Celsius and Fahrenheit for places using temperature.

Issue #6 - LIDAR:

Screenshot:



Explanation:

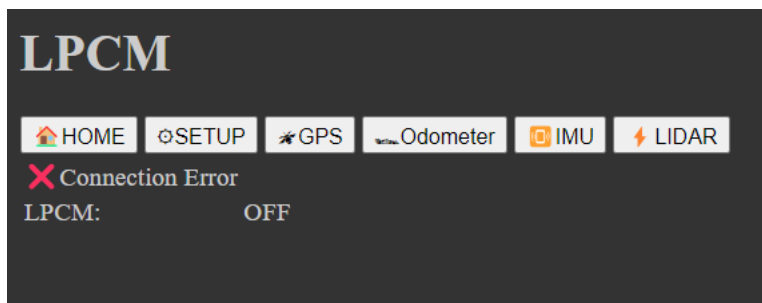
- Why is it a problem?

Proposed Fix:

- How do we plan on fixing it?
- The LiDAR unit works, but is currently not on so right now only general fixes apply
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Issue #7 - LPCM:

Screenshot:



Explanation:

- Why is it a problem?

Proposed Fix:

- How do we plan on fixing it?
- Not sure what this is supposed to do and also is off and not connected