Official BLP API Documentation

This document offers all the info you need to use the API. It is based on the last one but with more info and more practical and concrete examples. It will be continuously updated so please ask question.

//TODO

* Add set\_burn(self,ms)
* Add start\_test(self)
* Add calibrate(self)
* Add start\_benchmark(self)

The API is split into 4 classes that ar responsible for wifi connection, wifi communication, system data, and system debugging. Along with constants so that you do not have to do any weird elaborate indexing. So the top of the file looks something like this.

A screen shot of a computer

Description automatically generated

\*Metrics is greyed because I am not using it right now\*

The beginning of the source file should look like this and replace my ip with the ip address of your machine

A screenshot of a computer code

Description automatically generated

Next you have a lot of freedom on how to interact with the engine and electrical system so here are the main functions. You should only be interacting with the telemetry class so keep that in mind





* **Parameters:** integer in milliseconds
* **Function:** Sets the coils to spark frequency
* **Returns:** 0

****

* **Parameters:** none
* **Function:** sends data to pi
* **Returns:** 0

****

* **Parameters:** none
* **Function:** gets data from pi
* **Returns:** 0

****

* **Parameters:** the valve number ( not sure what the valve number is
* **Function:** open valve
* **Returns:** 0

****

* **Parameters:** the valve number ( not sure what the valve number is
* **Function:** close valve
* **Returns:** 0

****

* **Parameters:** int 1 or 0 indicating on or off
* **Function:** start sparking coil
* **Returns:** 0

****

****

* **Parameters:** none
* **Function:** prints box side system stats
* **Returns:** list of stats

****

* **Parameters:** none
* **Function:** prints computer side system stats
* **Returns:** list of stats



* **Parameters:** none
* **Function:** prints both systems together
* **Returns:** list of all stats

**List of Debugging Metrics**

**A screenshot of a computer

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**Examples:**

**A screen shot of a computer program

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