ASSEMBLY INSTRUCTIONS FOR PHYSTICK S

The first step to the assembly process is placing the components on the lower part of the case. You can see the final distribution of these components after completing the assembly on the images below. It is recommended that the user follows the next steps:

1) Place the Microcontroller (model Arduino Uno), the Inertial Movement Unit and the Perfboard. These components will be screwed to the disposed holes.

2) Place the Battery. This piece will be glued by an adhesive above the mark indicated on the lower-right part of the case.

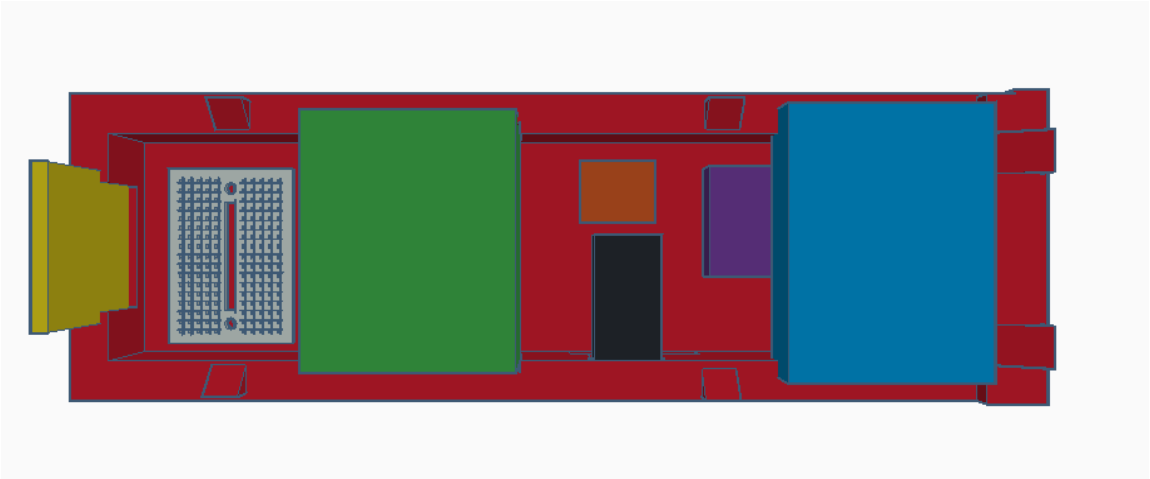
3) The DC Boost module will be placed in the higher gap. This piece will be adjusted on its sides and well held by the cover of the case after completing the assembly.

4) Next, the user will be able to connect the components previously fixed. It is recommended that the user follows the circuit schematics which can be also downloaded from our website: https://phystick.000webhostapp.com

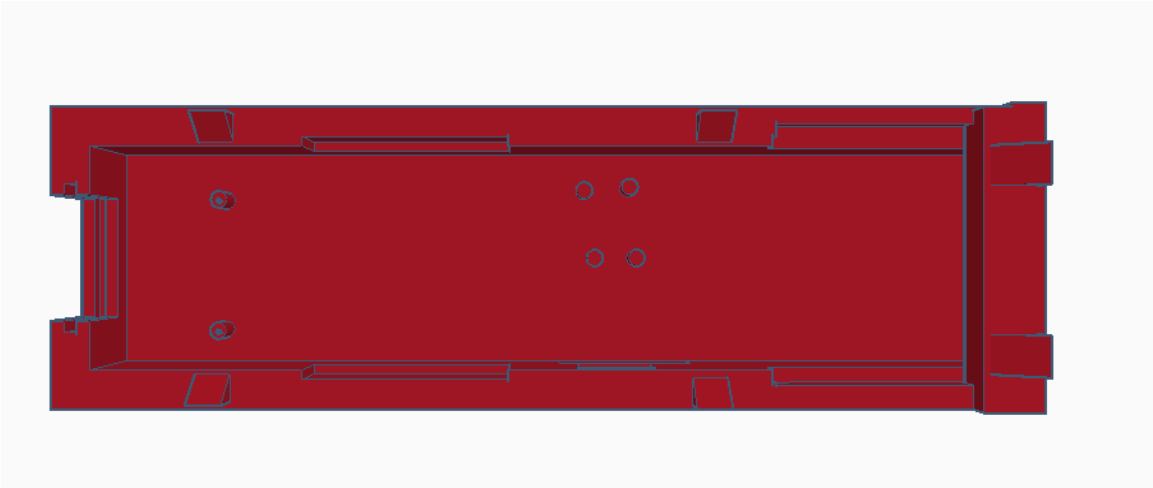
5) Place the LCD Touchscreen above the Battery, on the lower gap of the case. In the same way as the DC Boost, this piece will be held on its sides and also by the cover of the case.

6) Connect the LCD Touchscreen to the circuit.

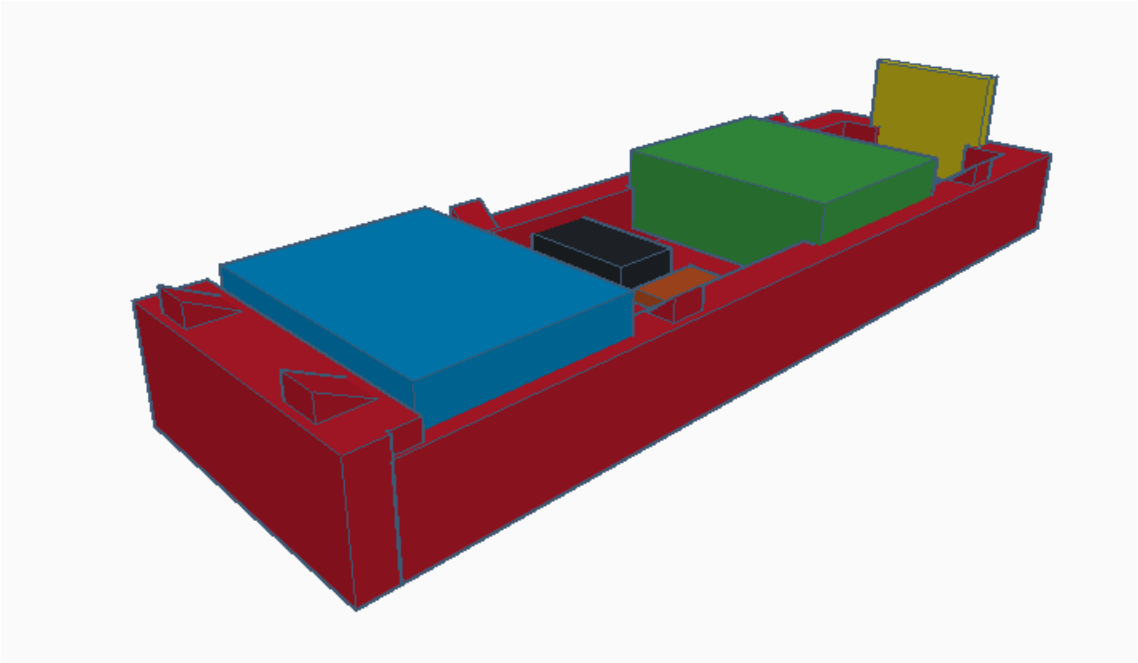
7) Lastly, put the cover to the module to complete the assembly process. Now you can start to use the device!



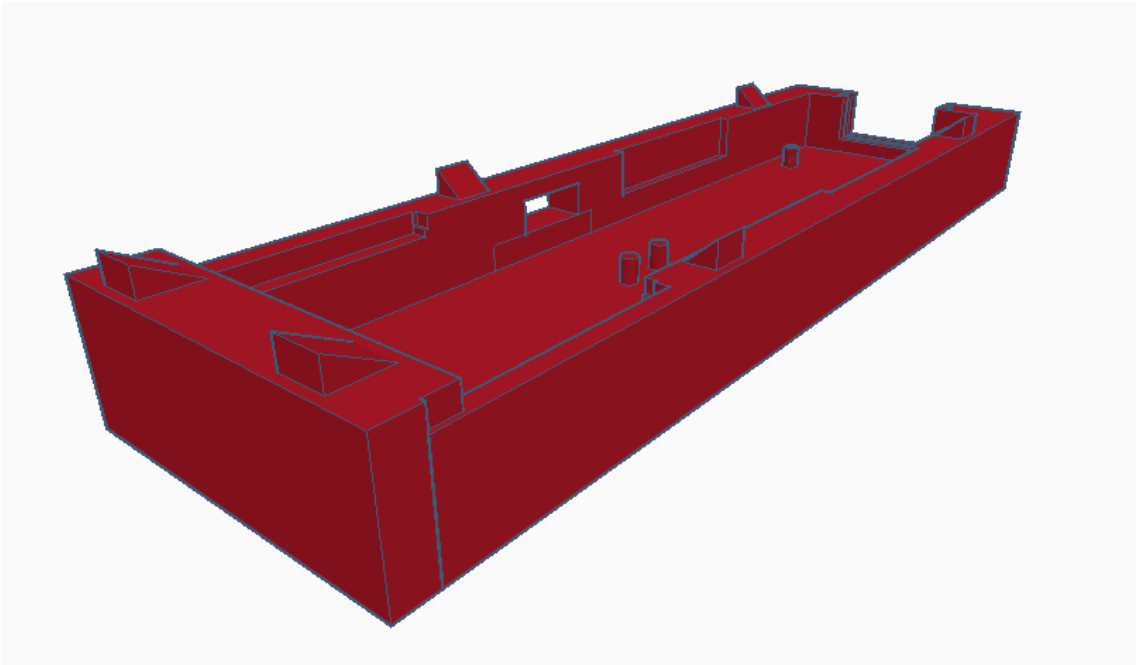
Components assembly. **Yellow-** LED. **White-** Perfboard. **Green-** DC Boost. **Black-** Arduino Nano. **Orange-** Inertial Movement Unit. **Purple-** Battery. **Blue-** LCD touchscreen.

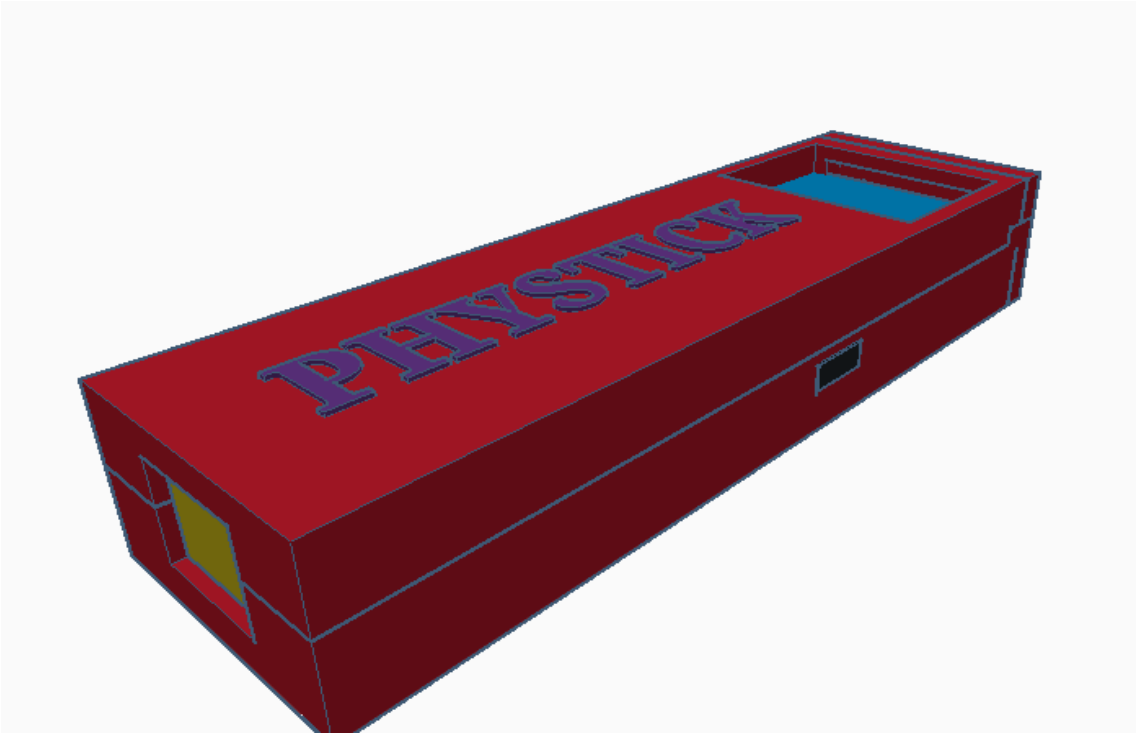


View of the lower case. The holes represent where the screwed modules are placed.



Perspective views. The LED is placed on the front part of the module.





Final aspect of Phystick S.