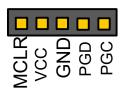
TWO-WHEELS SELF-BALANCING ROBOT V2P2 AND ROBOT CONTROLLER V3.6

Getting Started



The Robot Controller (V3.6)

In-Circuit Serial Programming Port

For micro-controller

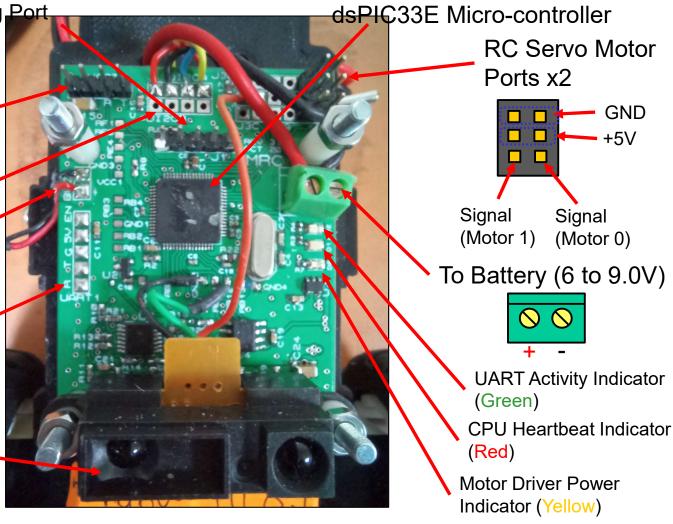
Auxiliary UART
Port (To User Controller)

글 등 중 본 I²C Port (to IMU Sensor)

To Speaker

Primary UART Port (to Bluetooth Module)

Sharp's IR Proximity (Also called distance) Sensor

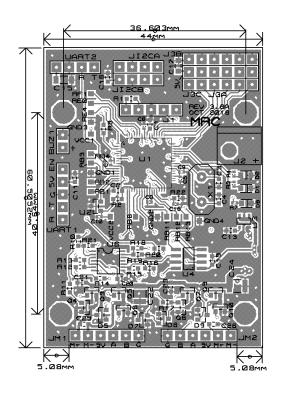


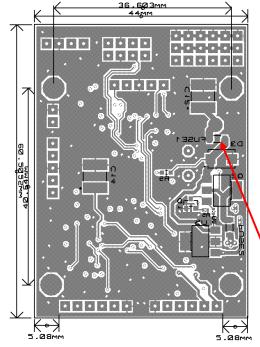
The Inertial Measurement Unit (IMU)

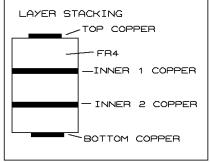


MPU6050

PCB Top and Bottom View





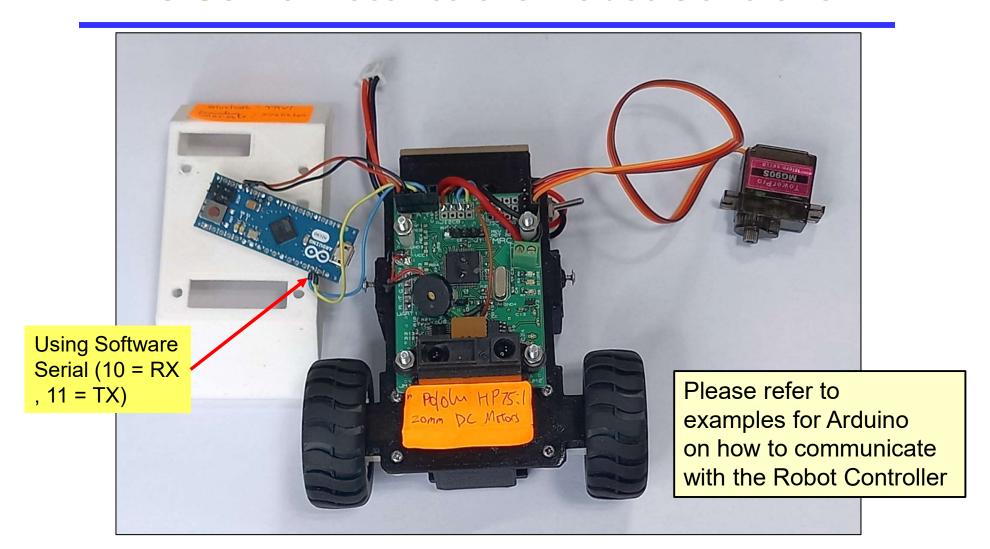


Bottom View

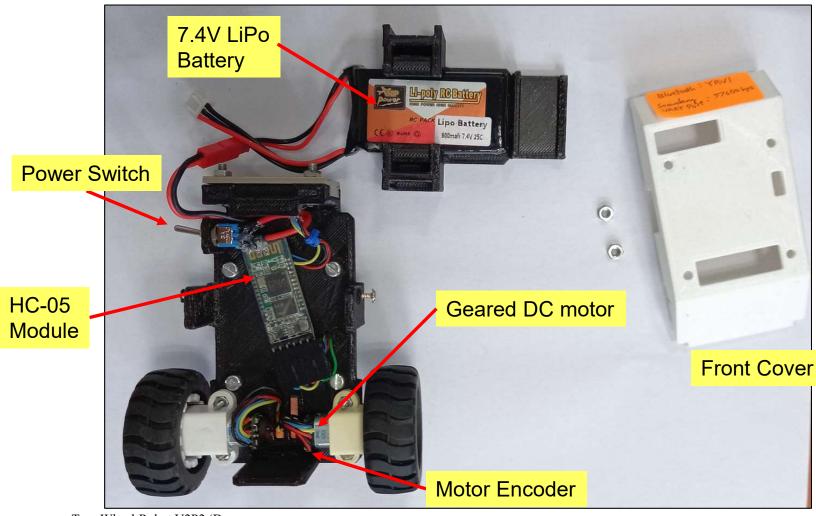
SMD Fuse (1206 size, 4A) Note: This fuse is To protect against Short circuit or over -current fault in the motor driver.

Top View

Example – Connecting Arduino Micro and RC Servo Motor to the Robot Controller



Maintenance – Removing the LiPo Battery Pack



Two-Wheel Robot V2P2 (Dec 2020)

Maintenance – Lubricating the Motor Gearbox

