

## Motor Control Methods

### set\_speed (speed)

Description	Sets the speed of rotation of your robot's motors <i>higher = faster</i>
Arguments	<b>speed:</b> speed of rotation of the motors (in degrees per second) <i>360 degrees = a single rotation of a motor</i> <i>Allowable range: 0 &lt; speed &lt; 1000</i>
Return Value	<b>none</b>
Example	<b>picker.set_speed (500)</b> <i>Set the speed of rotation of the motors to 500 degrees per second</i>

### forward ()

Description	Drive the GoPiGo3 forward.  The GoPiGo3 will continue to drive forward until another motor instruction is issued, to change its direction or bring it to a halt.
Arguments	<b>None</b>
Return Value	<b>None</b>
Example	<b>picker.forward()</b>

### stop ()

Description	Bring the GoPiGo3 to a halt.
Arguments	<b>none</b>
Return Value	<b>none</b>
Example	<b>picker.stop()</b>

## turn\_degrees (angle)

<b>Description</b>	Makes the GoPiGo3 robot rotate on the spot by a specific angle.
<b>Arguments</b>	<b>angle:</b> a float value between -180 and 180 angle < 0 rotates anti-clockwise angle > 0 rotates clockwise.
<b>Return Value</b>	<b>none</b>
<b>Example</b>	<b>picker.turn_degrees(180)</b> <i>Rotate the GoPiGo3 clockwise through 180 degrees</i>

## steer (left\_percent, right\_percent)

<b>Description</b>	Assign a percentage of the current motor speed value to each motor in order to get a variety of turning movements. <i>For setting the motor speed, see the set_speed() function</i>
<b>Arguments</b>	<b>left_percent:</b> a value between -100 and +100 <b>right_percent:</b> a value between -100 and +100
<b>Return Value</b>	<b>none</b>
<b>Example</b>	<b>picker.steer(-100, 100)</b> <i>Sets left motor to full speed in reverse and right motor to full speed forward, resulting in an anti-clockwise rotation on the spot at current motor speed.</i>