# Command Mode

Command mode allows a user raw control over the different settings of the tank

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Command | Description | Default | Min | Max |
| TR | Sets the angle of the turret | 90 | 0 | 180 |
| SH | Sets the angle of the shoulder | 80 | 0 | 90 |
| EL | Sets the angle of the elbow | 45 | 0 | 180 |
| WR | Sets the angle of the wrist | 10 | 0 | 180 |
| CL | Sets the angle of the claw | 0 | 0 | 90 |
| LW | Sets the speed of the left wheel | 50 | 0 | 255 |
| RW | Sets the speed of the right wheel | 50 | 0 | 255 |
| LD | Sets the direction of the left wheel | 0 | 0 | 1 |
| RD | Sets the direction of the right wheel | 1 | 0 | 1 |
| GT | Guard time. Time UART must be blank before a command character will be recognized | 1000ms | 100ms | 3000ms |
| CC | Command character | + |  |  |

Config {

turretAngle, shoulderAngle, elbowAngle, wristAngle, clawAngle, leftWheelSpeed, leftWheelDir, rightWheelSpeed, rightWheelDir

}

Command Table: char, char, default, min, max, set/get function pointer,

Table entry: char, char, int8, int8, int8, int8\*

Read only: char, char, CONST, 0, 0, int8\*

Executable: char, char, 0, 0, 0, NULL