

PIC COMMUNICATION PROTOCOL

The slave address of the left side is 0xA2, the right side is 0xA4

DATA:

To PIC: 2 bytes (front wheel & rear wheel)

bit 7 bit 6 bit 5 bit 4 bit 3 bit 2 bit 1 bit 0

1 PID ON 0 PID OFF	1 Forwards 0 Backwards	Speed value 0-63 (PID OFF: PWM x4 / PID ON: number of tics over 30 ms)					
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From PIC: 3 bytes

- Number of tics of the front wheel
- Number of tics of the rear wheel
- IR sensor value