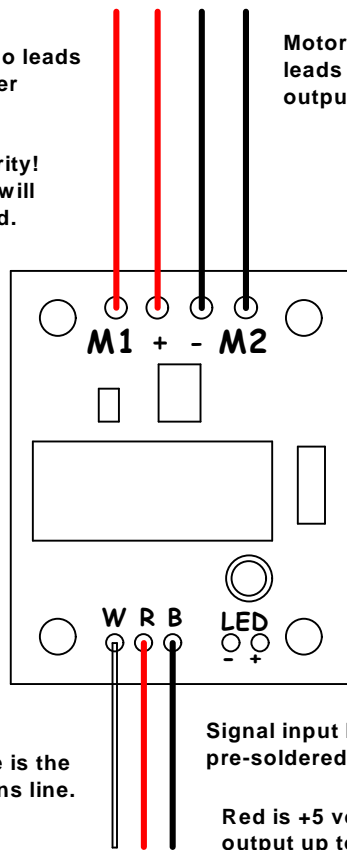


Power: Center two leads are for main power input. 6-50 Volts

Be aware of polarity!
Reverse polarity will damage the board.

Motors: Outer two leads are motor outputs.



The White wire is the communications line.

Signal input leads with pre-soldered leads.

Red is +5 volt regulated output up to 1.0 Amp

Serial Control:

- Comm port settings: 9600,n,8,1
- Protocol is 2 bytes, first one is channel and the second is data, with the format:

BYTE 1	BYTE 2
1110xxxx	0xxxxxxx

- BYTE 1 is the channel number (0-15) plus the value 164 (hE0) to indicate that it is a channel byte
- BYTE 2 is the data (0-127). Values from (0-63) are reverse and 64-127 are forward. (There is a small deadband in between where no signal is sent to the motor.) The data byte is of the format 0xxxxxxx, where xxxxxxx is the 0-127 command for the motor.

Note: It is good practice to send the command signal 3 times just to be safe. Some receivers (especially wireless!) look for a "wake up" byte immediately before you start getting a valid signal. This may happen upon startup as well as after long pauses between commands.