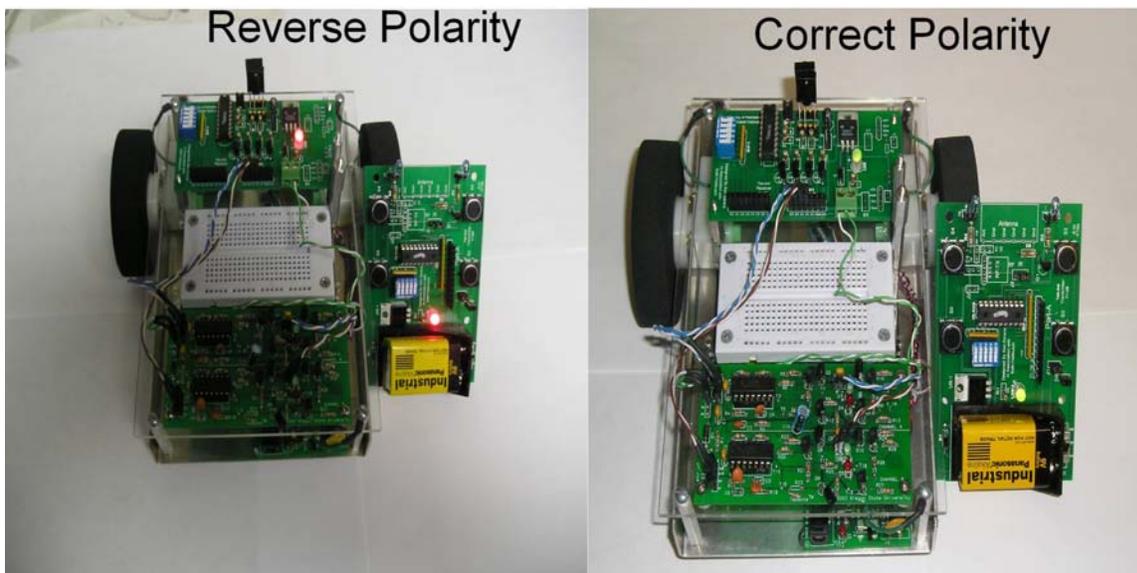


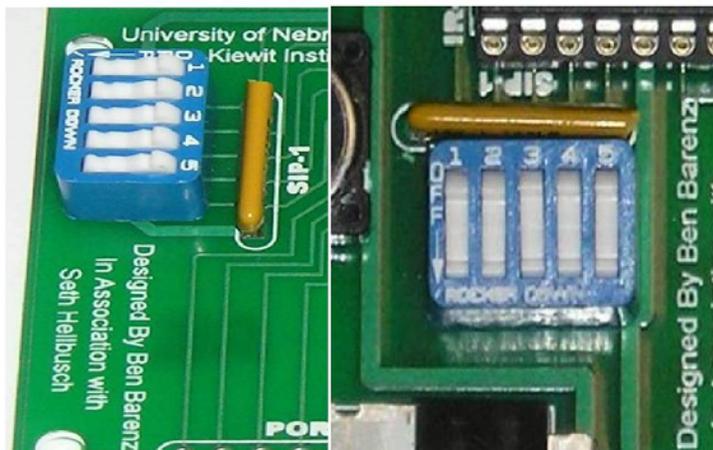
Tek-bot Transmitter/Receiver Functional Overview

The transmitter/receiver pair will allow you to control your TekBot using wireless infrared (IR) communication.

Both the transmitter and receiver have built protection against reverse polarity. If you put the battery in backwards or connect the receiver up backwards the LED indicator will turn RED. The reverse protection diode will prevent any damage to the unit. Simply reverse the connections and the LED indicator will turn green and the unit will operate properly.

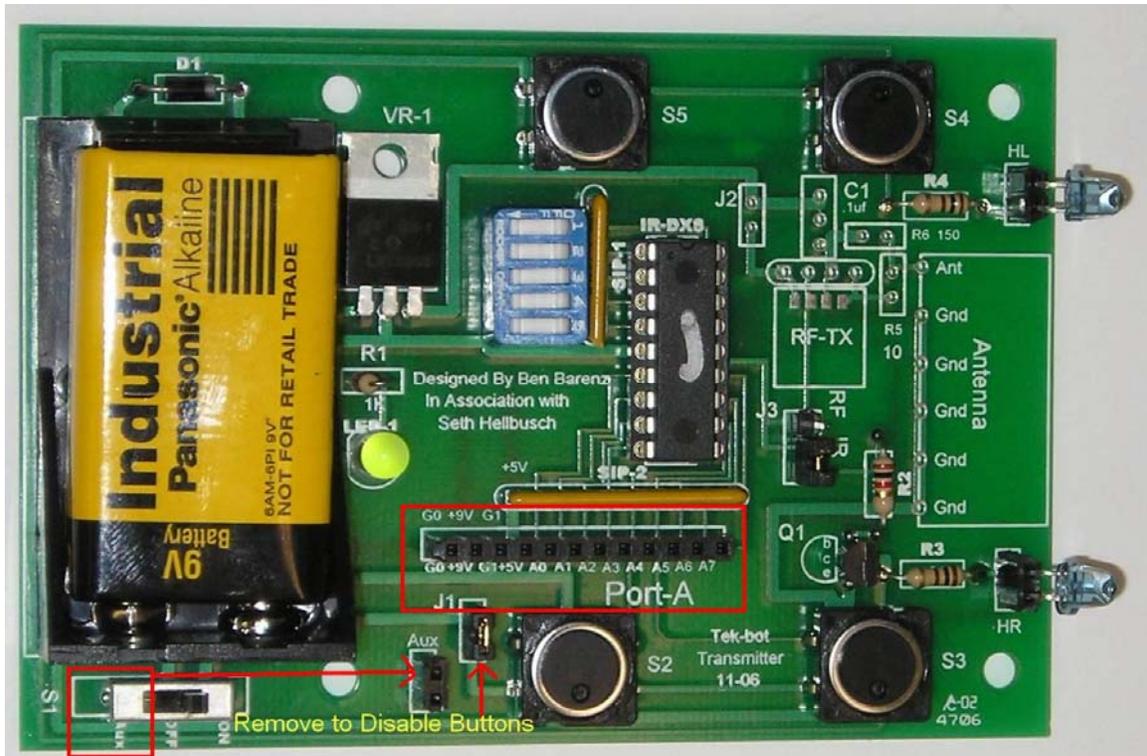


The 5P DIP (Dual In-Line) Switch sets the address to which the transmitter or receiver will respond. The 5 positions gives 2^5 or 32 different address. Make sure your transmitter and receiver are set to the same address or your TekBot will not work. Also if there is more than one tek-bot in the same room, make sure your addresses are different or they will interfere with each other.



Transmitter Features:

The transmitter can send information corresponding to the signals connected to 8 of the inputs (A0-A7) of Port A. The button switches are connected to A7- A4 of Port A but they can be disabled by removing Jumper 1 (J1).



There are four power pins on Port A:

- G0 Direct Battery Ground
- +9V Switched battery positive (connected after protection diode)
- G1 Switched circuit Ground
- +5V Switched, Regulated 5V (Vcc)

The power switch has positions: ON, OFF , AUX. ON turns the main power on, OFF turns if off and AUX connects battery ground to both pins on the Aux port.

Receiver Features:

The receiver can place its received data on the 8 data pins (A0-A7) of Port A. The motor controls are connected to data pins A7-A4 and cannot be disabled. If you choose to not use the motor controls and would like to use data pins (A0-A7) for some other function, simply disconnect any connections placed on the DR (Direction Right),ER (Enable

