TRRSTAN 2 Instruction Manual
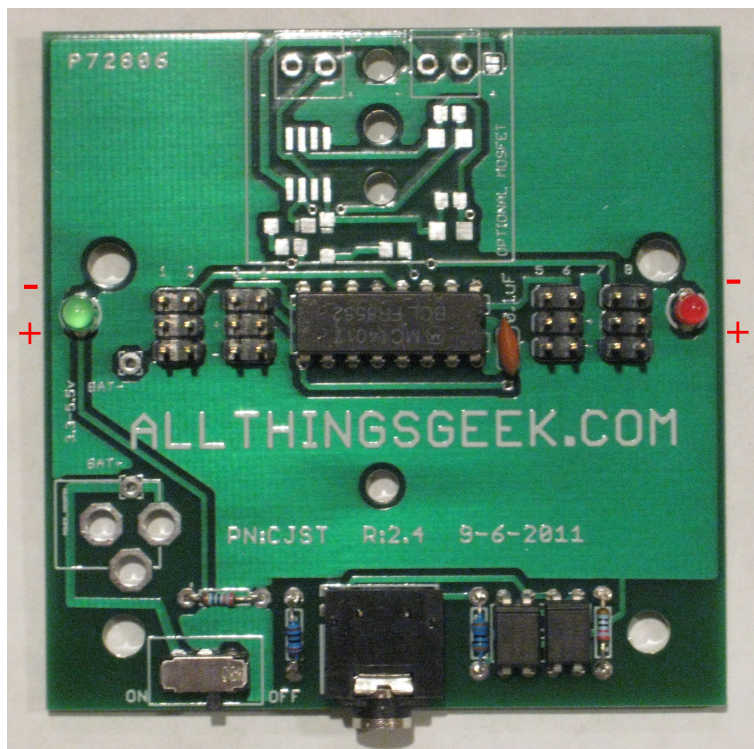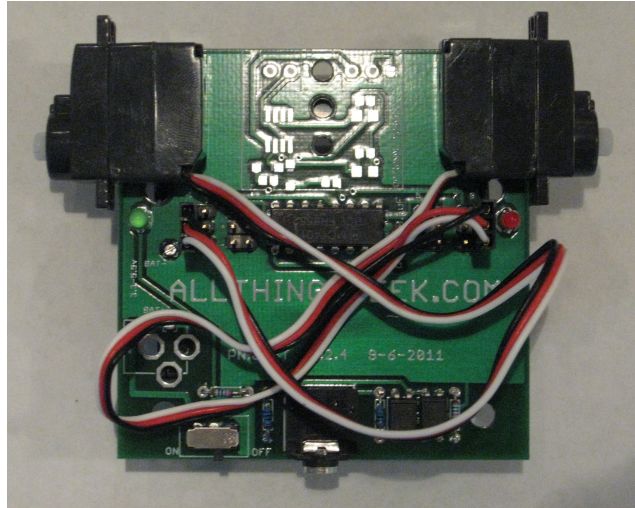
June 22, 2011

Requirements

- Soldering Iron and Rosin Core Solder

- Multimeter

- Hot Glue or Double-Sided Tape

- Philips Screwdriver and Pliers
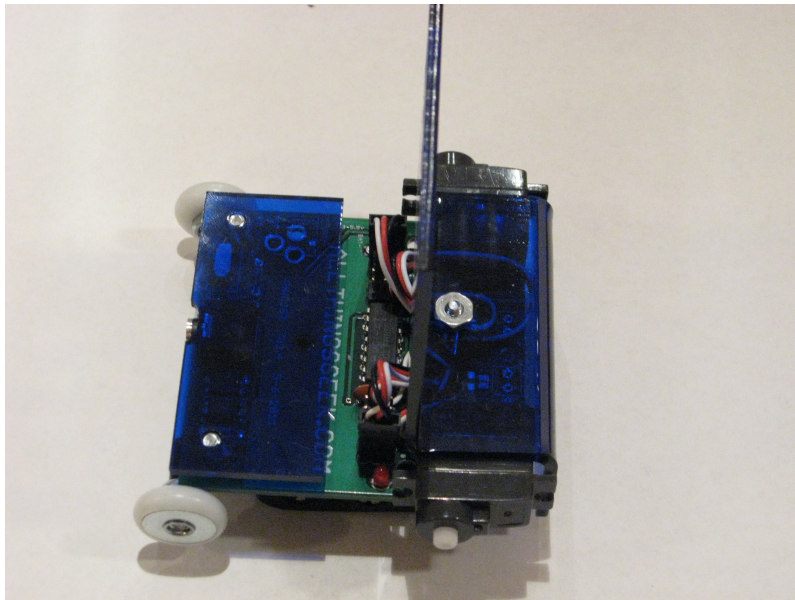
- 3 AA Batteries

Construction

1. Solder top side electronics using the picture below as a guide. Note that the short leads on the LEDs are negative. Also note that the resistor values may vary slightly from what is printed on the board. You may use a multimeter or resistor color chart to find the values of the included resistors. Pliers are great for breaking the header strip into 2x3 segments.
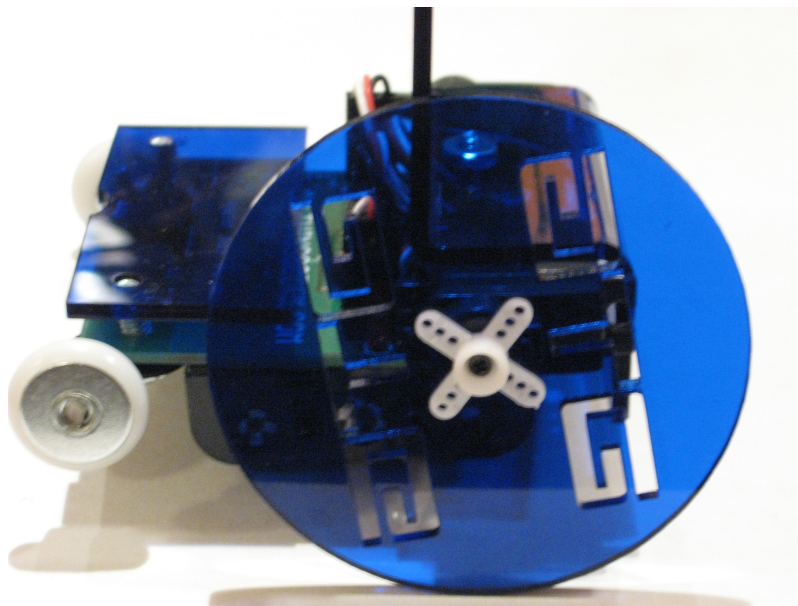
2. Insert battery holder leads from bottom and solder on top side.

3. Attach the servos using double-sided tape or a bit of hot glue as shown. You may use the plastic body panels as a width guide.

4. Attach the front wheel assembly and plastic body panels with provided screws. Some of the plastic parts may still have brown protective paper attached that you may peel off before installing.

5. Install rubber bands on wheels and install wheels using a servo horn style of your choice.

6. Download and install the Cellbots software from the TRRSTAN 2 product page. If you would like to use a Wiimote, you must download *Wiimote Controller* from the Android Market.

   Click the Cellbot+ logo and make a new cellbot with TRRSTAN 2.X as the Type.

7. Install 3 AA batteries, strap phone to TRRSTAN, connect headphone cord and power on your TRRSTAN 2 robot. Have fun!