

Connecting the Parallax Propeller Board to the AX-12 Smart Robotic Arm

Connecting the AX-12 Smart Robotic Arm is easy and only requires a few components which are provided in the AX-12 Smart Robotic Arm with Propeller bundle.

Parts List

1. (1) 10k Resister (brown, black, orange)
 2. (1) 1k Resister (brown, black, red)
 3. (1) 6 to 8 inch jumper wire
1. Connect the 10k resistor to Vdd on the Propeller Demo Board as shown in figure #1.
 2. Connect the 1k resistor to the output port (p0 – P7) that you will be using for the communication port on the Propeller Demo Board. In this example we used P1. Be sure to connect this resistor to the same row on the breadboard as the 10k resistor as shown in figure 1.
 3. Connect the signal line coming from the AX-12 Smart Robotic arm to the jumper wire (this should be soldered) (refer to figure 2 which displays the pin-out of the AX-12 cable).
 4. Connect the jumper wire to the same row as the resistors on the breadboard.

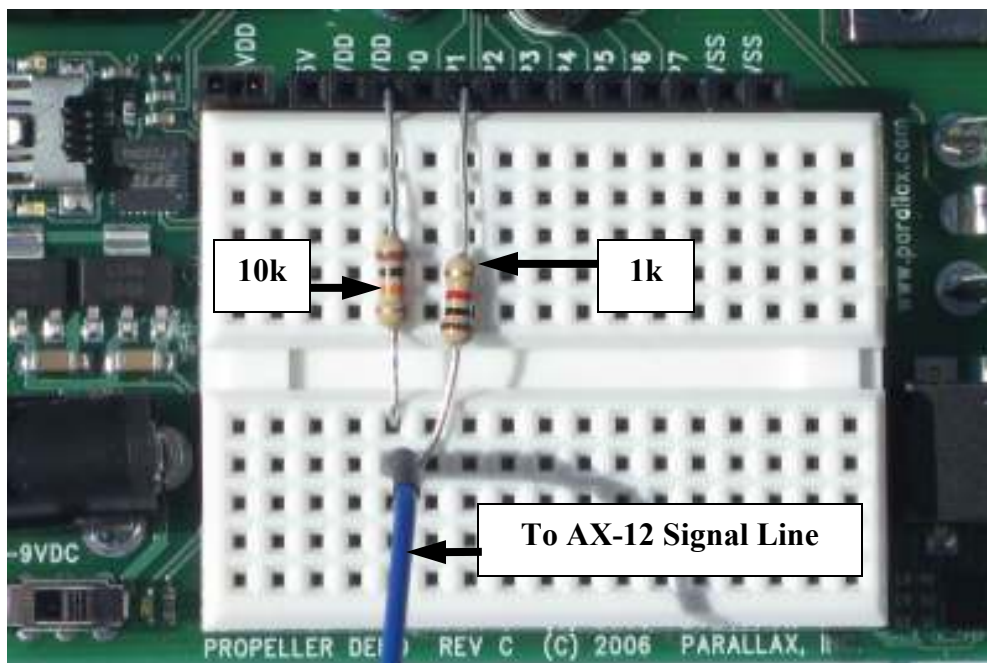


Figure 1 - Propeller Demo Board

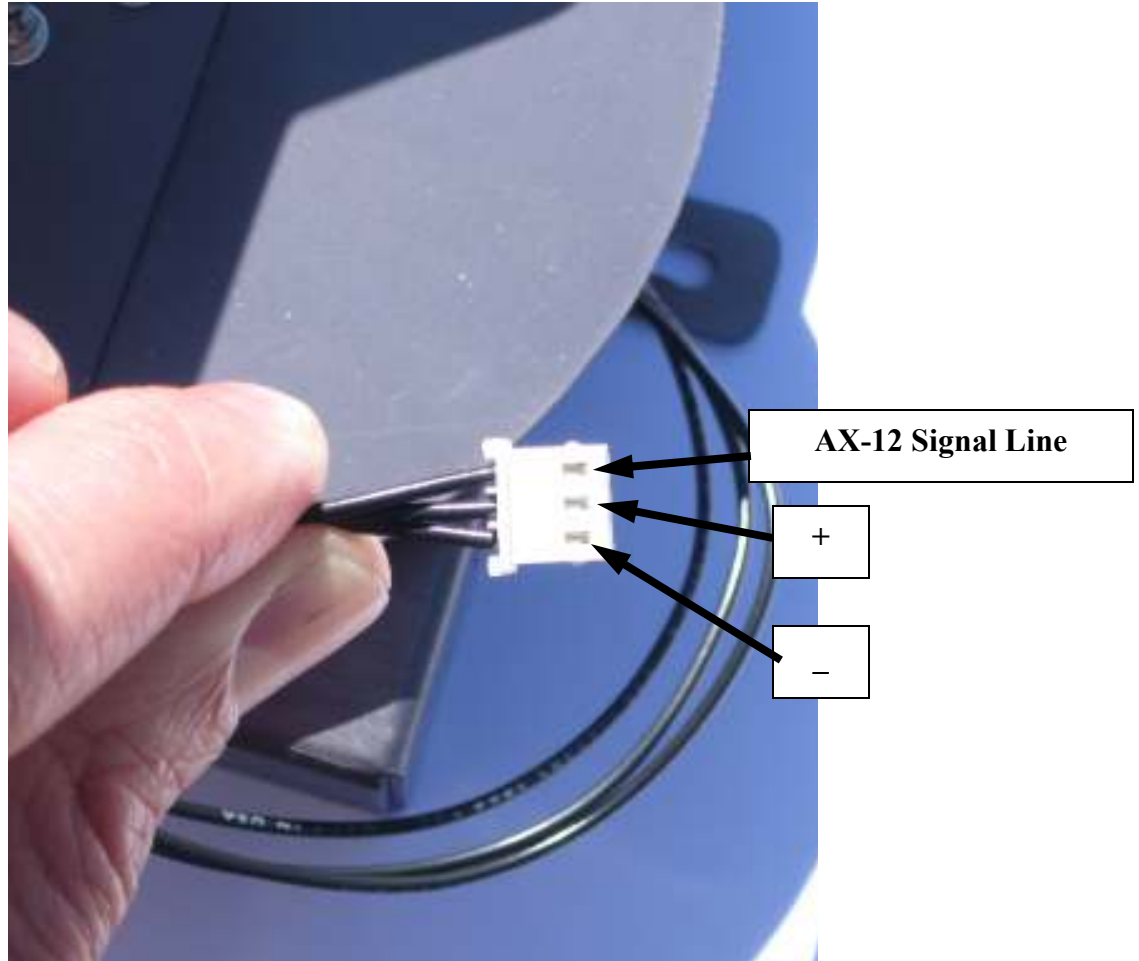


Figure 2 - AX-12 pinout

- To make connecting your AX-12 Smart Robotic Arm to a power supply easier, we recommend our AX-12 Power Supply kit and AX-12 Power Supply Harness. Each product can be found in the “Accessories” tab of the main AX-12 Smart Robotic Arm page or by following the link below:

<http://www.crustcrawler.com/products/smartarm/index.php?prod=12>