**Programming Instructions**

(Refer to April Roundtable packet)

**Download Receiver Code**

* Go to <http://srcvb1.weebly.com/robot-control-board-instructional-modules-rm4.html>
* Download “src\_robot\_receiver\_code\_updated\_3.14.12\_-\_archive\_\_date\_2012.03.27\_\_time\_07.41.zip”
* Unzip the zip folder and save it to your desktop
* Open up the new folder and click on “src\_robot\_receiver\_code\_updated\_3.14.12.spin”

**Download Transmitter Code**

* Go to <http://srcvb1.weebly.com/robot-control-board-instructional-modules-rm4.html>
* Download “src\_robot\_transmitter\_code\_updated\_3.14.12.spin”
* Save the file in the same folder you saved your receiver code
* Click on “src\_robot\_transmitter\_code\_updated\_3.14.12.spin”



**Programming the Receiver/Transmitter Board**

* Turn the transmitter board on 1st and wait for the yellow and green led’s to come on.
* Turn on receiver board.
* Connect the prop plug to the receiver board (Propeller hat should be facing the inside of the board)
* Click on the Reciever Code tab and hit F11
* Connect the prop plug to the transmitter board (Propeller hat should be facing the inside of the board)
* Click on the Transmitter Code tab and hit F11

**Connect female servo plugs to the Reciever Board**

* Connect the left front servo motor to pins to pins 17 and 19
* Connect the right front servo motor to pins to pins 16 and 18
	+ Make sure the white part of the servo plugs is facing towards the inside of the control board.
	+ Make sure your xbee chips are plugged in.

**Provide a pic**

**Additional Servo”Hot” Pins**

* Pin 11 Circle Button and Square (pulsating movement)
* Pin 10 Triangle and X (pulsating movement)

\*\*\*Backspace twice in order to connect the following pins to the program. Use tab to disconnect from the program.

* Pin 20 Up on the Directional Pad (.5 sec delay after pushing )
* Pin 18 Down on the Directional Pad (.5 sec delay after pushing )
* Pin 24 Left on the Directional Pad (.5 sec delay after pushing )
* Pin 23 Left on the Directional Pad (.5 sec delay after pushing )

**Provide a pic**

**Zero out your wheels**

Press analog on the PS2 Controller and try to move the analog controllers up and down.

Connecting your PS2 Dongles

\*\*\*DO NOT connect the red cord to any outside rows

Provide a pic