

# 1-CH Servo Driver Board

**RX-2Ch RF System**

## Overview

This board allows the control of a single R/C servo motor connected to the 2-Ch RF receiver board and operated by the remote hand held 2-Ch RF Transmitter.

The limits of the servo movement can be set and stored in non-volatile memory. When triggered by the Remote Transmitter / Receiver Board or pressing the Servo Movement Test Button, the servo will move from one limit (position A) to the other limit (position B) (There is a switch that will reverse the operation, B to A) and then return to the starting position when the RF Transmitter or test button is released.

### Programming / Operation:

Connect the board to a servo and power supply (See Setup Drawing) . A Red Power LED will light. Switch the **PRG** slide switch from Run to Program (**P**) (**R-P**). A Green LED just above the switch will light. Using a small screwdriver, adjust the on board **Servo Position** Potentiometer until the servo motor has moved to Position A location. The motor will move in synch with the potentiometer as you rotate it. Once the servo is in position, press the **AP** (A position) button and the Red LED (**PROG**) on the board will flash 3 times indicating that the servo A position was saved to memory. Repeat this procedure for Position B (**BP**). Place the board back in Run (**R**) Mode (**P-R**) and the servo will move to programmed Position A. Test the servo movement by pressing the On-board **Servo Test** button, the servo will move from Position A to Position B and then return to Position A again when the test button is released. If you want to reverse the movement, move from B to A instead of A to B, switch the **A-B** slide switch to change positions B to A. The yellow LED (**Servo**) near the slide switch will light and the servo will move to Position B. Now when the board is activated, the servo will now move from Position B to Position A.

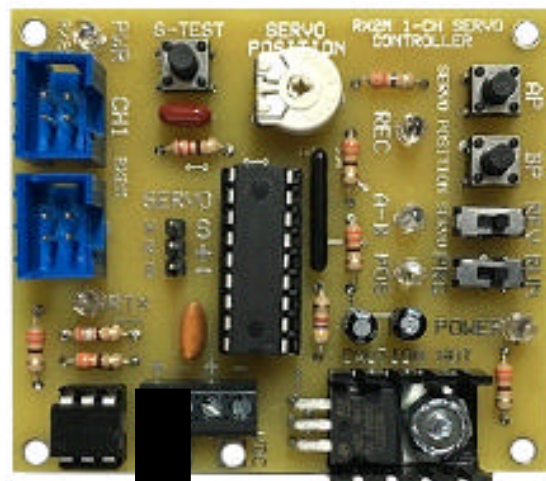
Connect the ribbon cable from the RF 2-CH Receiver Board to CH-1 to the first connector (CH1) on the Servo Controller board. If an additional Servo boards are to be controlled by the RF Receiver connect it to the second ribbon connector (RX2M).

Every time that CH-1 on the 2-CH RF Hand held transmitter is activated the 1-CH Servo Controller Board should move the servo to the programmed positions.

**Ribbon  
Connector**



**1-Ch Servo  
Driver Board**



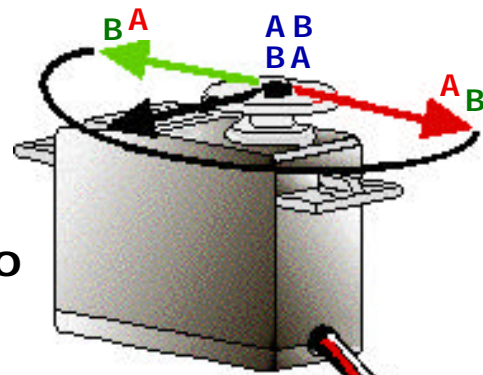
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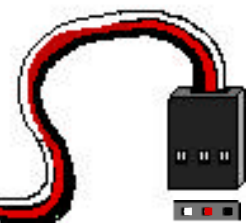
**Set - Up / Components**

(Setup Drawing)

**Fast Response  
Analog R/C Servo**

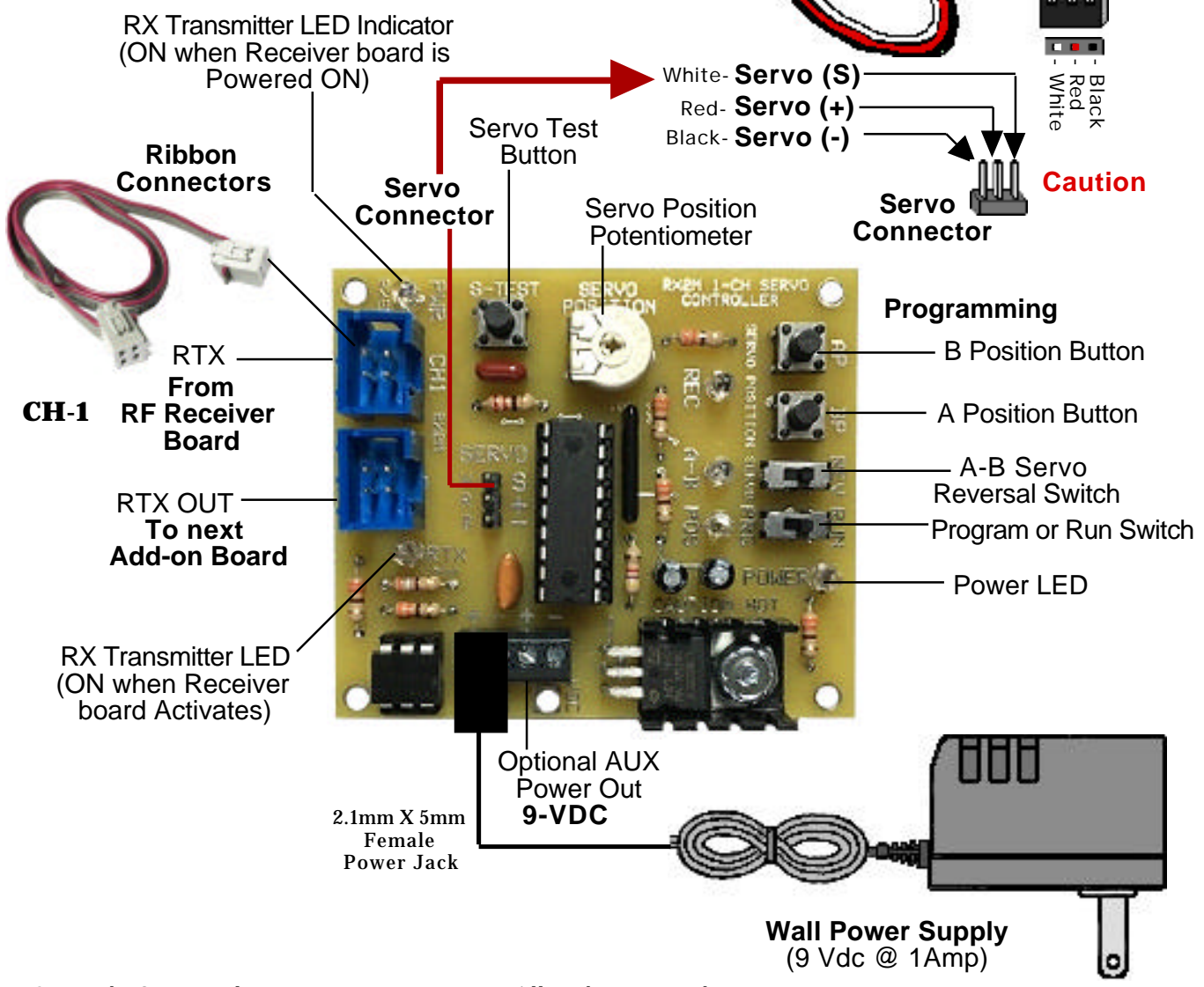


**Caution**  
Check Correct  
Servo Connection



White- Servo (S)  
Red- Servo (+)  
Black- Servo (-)

**Caution**



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**Set - Up / Basic - Applications**

(Setup Drawing)

