

1-CH Servo Driver Board

Overview

Control board for manual operation of a single R/C type servo by remote switch, relay, wireless control or external automated controller signal pulse. (Servo travel positions A to B or B to A, under switch signal operation) The limits of the servo movement can be set and stored in non-volatile memory.

When triggered by a Remote connected switch or pressing the Servo Movement Test Button, the servo will move from one pre-programmed position limit (position A) to the other pre-programmed position limit (position B) and return back to start pre-programmed position when remote switch is de-activated (There is a switch that will reverse the operation, B to A) If remote switch is held active servo arm will stay in position until switch is de-activated.

Programming / Operation:

Connect the board to a R/C type servo and 9-12 VDC, 1 amp power supply. Power ON the board. The Red Power LED will light. Switch the **PRG** slide switch from Run to Program (**P**) (**R-P**). A Yellow LED just above the switch will light. Using a small screwdriver, adjust the on board **Servo Position** Potentiometer until the servomotor 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 Yellow LED (**PROG**) on the board will flash 3 times indicating that the servo A position was saved to memory. Adjust the on board **Servo Position** Potentiometer until the servomotor has moved to Position B location. Once the servo is in position, press the **BP** (B position) button and the Yellow LED (**PROG**) on the board will flash 3 times indicating that the servo B position was saved to memory. 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, or a remote attached switch, the servo will move from Position A to Position B and then return to Position A again when the test button is released. If remote switch is held active servo arm will stay in position until switch is de-activated.

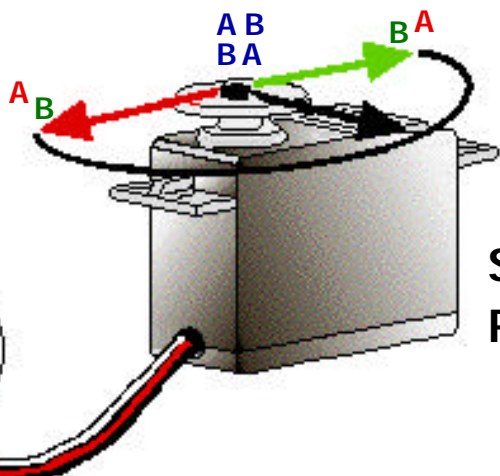
If you want to reverse the servo movement, move from B to A instead of A to B, switch the **A-B** slide switch to change positions B to A. The Green LED (**Servo**) near the slide switch will light and the servo will move to Position B. Now when the board is activated, the servo will now move from Position B to Position A.



1-Ch Servo
Driver Board

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Set - Up / Components



Standard R/C Servo

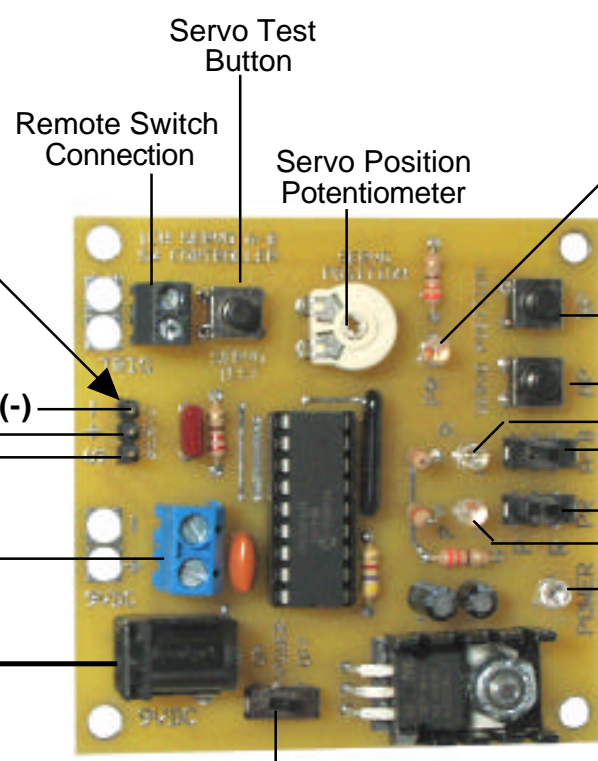
Caution
Check Correct Servo Connection

Servo Connector

- Black
- Red
- White

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

Optional Power Wire Connection
9-VDC



Servo Test Button

Remote Switch Connection

Servo Position Potentiometer

Programming LED (Yellow)

Programming

B Position Button

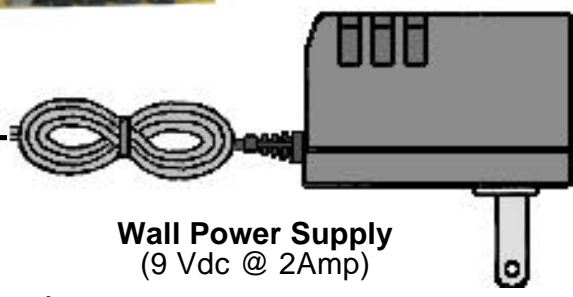
A Position Button

(Green)
A-B Servo Reversal Switch

Program or Run Switch (Yellow)

Power LED (Red)

On/Off Switch



Wall Power Supply
(9 Vdc @ 2Amp)