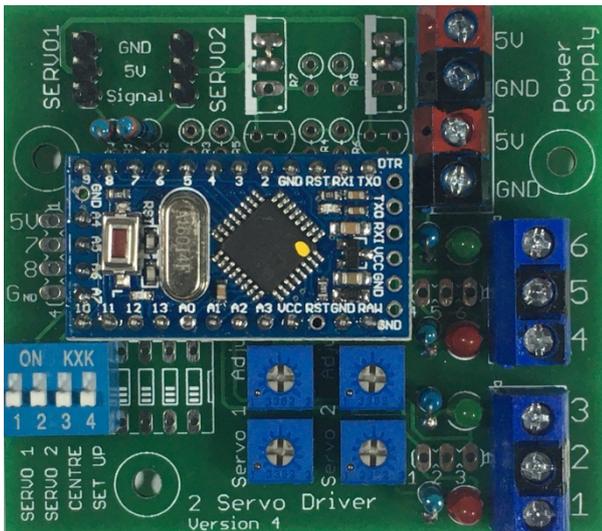


Simple Servos 4

for Model Railways

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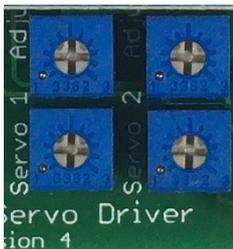


The **Simple Servos** driver can be used for controlling two servos for various animation projects on your model railway. The most common is for moving turnouts, Semaphore Signals, operating gates, or animating people and animal movements.

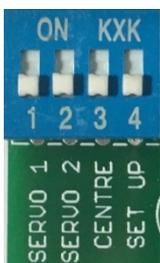
Once set-up (direction and distance of travel), each servo travels between two positions by a simple On/Off switch.

The setup is simple with no programming, no computers.

Connect the Power Supply 5V DC
Servos and switches as indicated on page 2

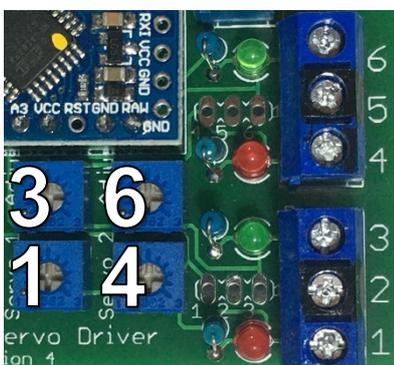


Step 1 - Before turning on the power, Please rotate each of the four blue trimpots anticlockwise, This sets the travel of the servos to their minimum travel. This will prevent them from damaging delicate components you wish to animate.



Step 2 - To make it easier to mount the servo, they can be driven to the middle their travel.
On the Blue switch bank, turn switch 3 to ON, this will drive both servos to the middle of their travel and hold them in that position.
Mount the servos to the middle of the travel on the item you wish to animate.
Once the servo is mounted turn switch 3 to OFF

Step 3 - To adjust the distance and direction of the travel of each servo.



On the Blue switch bank, and turn switch 4 to ON, This will drive both servos to the end of their set travel and hold them in that position.

Then adjust the trimpots, they are labelled Servo 1 or Servo 2.
Trimpot 1 for servo 1 when the red LED is on (via external switch)
2 for servo 1 when the green LED is on
4 Servo 2 Red Led and 6 Servo 2 Red Led (via external switch)

With switch 4 to ON, the servo will move as you adjust the trimpots.

To set the opposite direction of travel for the external switch position;
For **Servo 1** turn switch 1 to ON, for **Servo 2** turn switch 2 to ON.

Once you are happy with the travel and direction of the servos turn switch 4 to OFF.

The servos will now move to your set location as you operate your external Switches for the servos.

If you need to readjust the servos go back to Step 3

For a new setup please go back to Step 1

Simple Servos 4

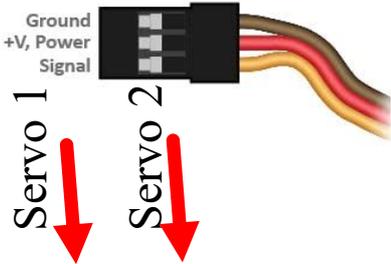
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Wiring Diagram

Version 5



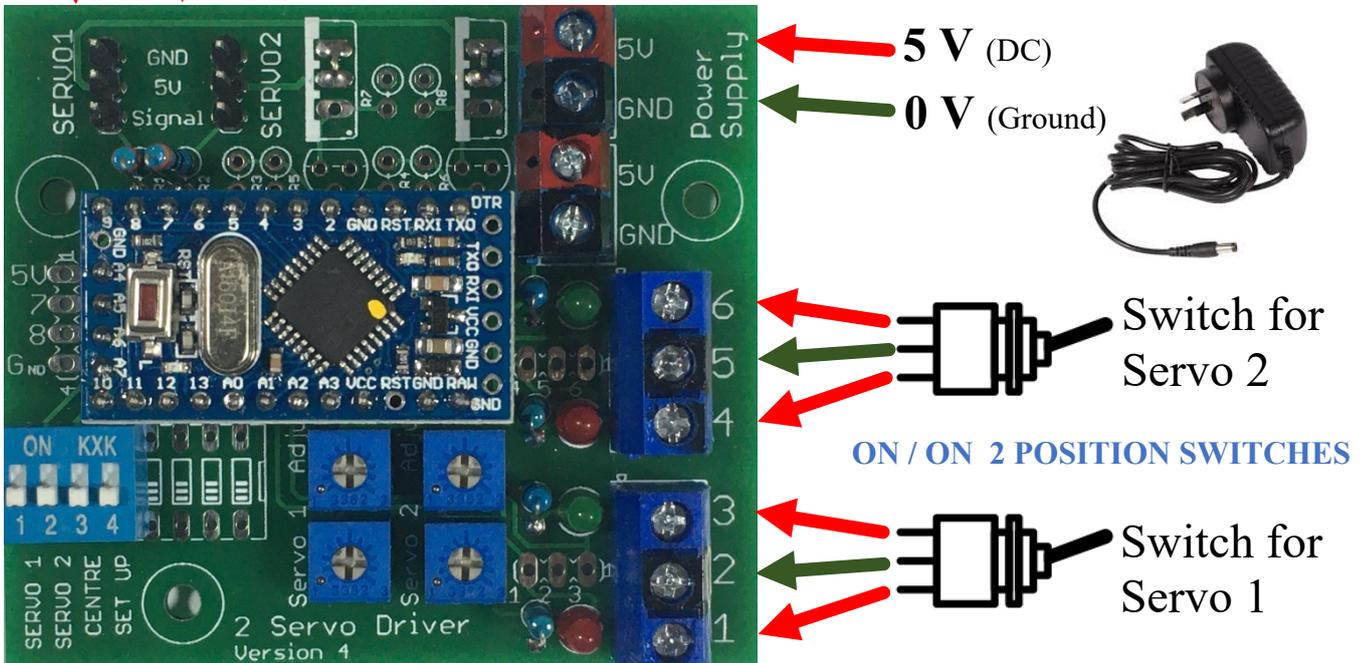
Connect the servos to the board

Servos come with two common sets of wiring colours

White / Red / Black - White is for the signal, Red 5V, Black is ground.

Orange / Red / Brown - Orange is for the signal, Red 5V, Brown is ground.

If the servos are installed the wrong way they won't be damaged but they will not operate.



Trim Pots for Servo 2 (Adjust travel)

Trim Pots for Servo 1 (Adjust travel)

DP Switch 1 (Reverse the position of Servo 1)

DP Switch 2 (Reverse the position of Servo 2)

DP Switch 3 (Servos at centre of their Travel)

DP Switch 4 (For setting travel and reverse)