

# TowerPro SG90 - Micro Servo



## Basic Information

Modulation:	Analog
Torque:	<b>4.8V:</b> 25.0 oz-in (1.80 kg-cm)
Speed:	<b>4.8V:</b> 0.10 sec/60°
Weight:	0.32 oz (9.0 g)
Dimensions:	<b>Length:</b> 0.91 in (23.1 mm)
	<b>Width:</b> 0.48 in (12.2 mm)
	<b>Height:</b> 1.14 in (29.0 mm)
Motor Type:	3-pole
Gear Type:	Plastic
Rotation/Support:	Bushing

## Additional Specifications

Rotational Range:180°

Pulse Cycle: ? ([add](#))

Pulse Width: 500-2400 μs

Connector Type: ? ([add](#))

Brand: 

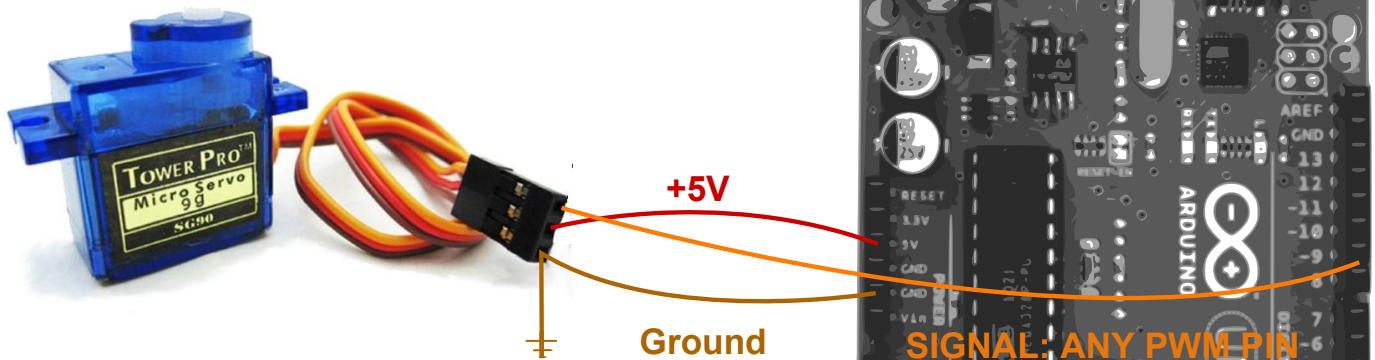
## User Reviews

Number of Reviews:2

Average Rating: 4.5 / 5.0

Congratulations on your purchase of two SG90 Micro Servos. This guide is designed to help you get started using the Servos with your next Arduino project by giving you the pin-out, and recommended samples (included in the software that came with your Arduino).

## Pin-Out:



## Technical Specs:

22 x 12 x 29 mm | Speed : 0.10s/60°  
Torque: 1.3kg/cm @ 5V | Weight: 9g  
Temp: -30-+60° C | Dead BW : 2 µs  
Volts: 3.0 - 6.0 | All Nylon Gears

NOTE: This motor may need more power than is available from a standard USB port. If you attempt to use your SG90 Micro Servo powered solely by USB, the motors may stutter and fail. To fix this simply plug the board into a wall socket, or battery.

## Sample Code:

In the Arduino programming software select File -> Examples -> Servo -> (sample of your choice)

The example code is well documented and should provide all the needed information on what is being done.

Happy coding, and best of luck with your Arduino projects!

