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ROBOTICS & CNC / ROBOTICS / STANDARD SERVO - TOWERPRO SG-5010



Standard servo -TowerPro SG-5010 - 5010

PRODUCT ID: 155

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DESCRIPTION
TECHNICAL DETAILS
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DESCRIPTION

This high-torque standard servo can rotate approximately 180 degrees (90 in each direction). You can use any servo code, hardware or library to control these servos. Good for beginners who want to make stuff move without building a motor controller with feedback & gear box. Comes with 3 horns, as shown. They aren't the highest quality servo (which is why they are less expensive) and so are not suggested for hobby planes. We now carry the Tower-Pro SG-5010.

To control with an Arduino, we suggest connecting the orange control wire to pin 9 or 10 and using the Servo library included with the Arduino IDE (see here for an example sketch). Position "0" (1.5ms pulse) is middle, "90" (~2ms pulse) is all the way to the right, "-90" (~1ms pulse) is all the way to the left.

TECHNICAL DETAILS

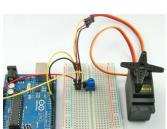
Details:

- Power: 4.8V 6V DC max (5V works well)
- Average Speed: 0.2sec/60degree (@ 4.8V), 0.16sec/60degree (@ 6V)
- Weight: 39g (1.37 oz)
- Torque: At 5V, 5.5kg-cm / 76oz-in, and at 6V 6.5kg-cm / 90oz-in.
- Size mm: (L x W x H) 40 x 20.0 x 38 mm
- Size in: (L x W x H) 1.60x.79x1.50
- Spline Count: 25





Adafruit 16-Channel Servo Driver with Arduino



Arduino Lesson 14. Servo Motors Learn Arduino, Lesson 14. Servo Motors



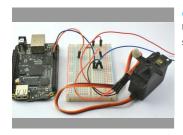
Adafruit's Raspberry Pi Lesson 8. Using a Servo Motor Write a Python program to control a servo motor with a Raspberry Pi



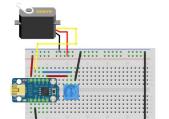
Adafruit 16-channel PWM/Servo Shield 16 channels of servo-bustin' power



Adafruit Motor Shield V2 for Arduino Stackable, high current DC and Stepper motor shield for Arduino



Controlling a Servo with a BeagleBone Black Use a BeagleBone Black and Python to set the position of a servo



Trinket (& Gemma) Servo Control Get your Trinket or Gemma moving



Modifying Servos for Continuous Rotation Make tiny gear-motors for your next robot!



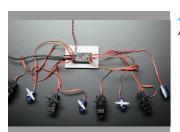
Adafruit Motor Selection Guide Choose the right motor (and controller) for the job!



Using NeoPixels and Servos Together An introduction to AVR peripherals.



Adafruit 16-Channel PWM/Servo HAT for Raspberry Pi 16 channels of servo-bustin' power for your Pi



Adafruit 8-Channel PWM or Servo FeatherWing A 8 x servo party for your Feather!



MicroPython Hardware: PCA9685 PWM & Servo Driver How to use the PCA9685 PWM & servo driver with MicroPython!

MAY WE ALSO SUGGEST...





















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