Micro Servo - High Powered, High Torque Metal Gear

PRODUCT ID: 2307

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DESCRIPTION

Add even *more* power to your robot with this metal-geared servo. The tiny little servo can rotate approximately 180 degrees (~90 in each direction), and works just like the standard kinds you're , hardware or library to control these servos.

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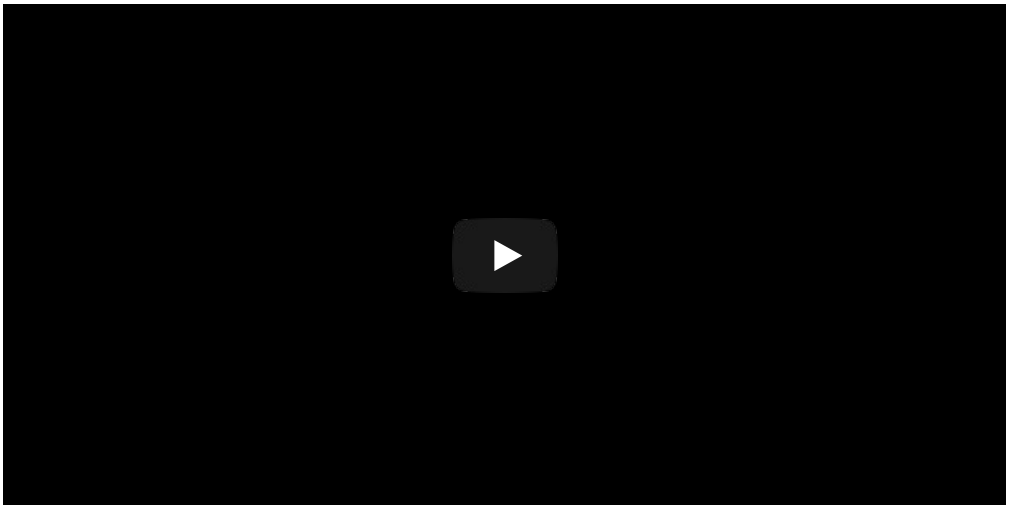
Good for beginners who want to make stuff move without building a motor controller with feedback & gear box, especially since it will fit in small places. Despite its size, this micro-servo is as strong as many 'standard' size servos! Works great with the Motor Shield for Arduino, our 16-channel Servo Driver, or by just wiring up with the Servo library. Comes with a few horns and hardware.

This micro servo packs a big punch for its little size. it's just a little bit bigger than our High Torque Metal Gear Micro Servo but runs with almost double the stall torque.

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. **Note that unlike most servos you may be familiar with, this one does not have mechanical stops! Also, this servo requires 5V signals, check that your driver/microcontroller is supplying 5V logic as well as 5V power.**

Note that the default servo pulse widths (usually 1ms to 2ms) may not give you a full 180 degrees of motion. In that case, check if you can set your servo controller to custom pulse lengths and try 0.75ms to 2.25ms. You can try shorter/longer pulses but be aware that if you go too far you could break your servo!

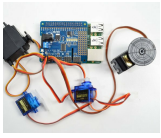


TECHNICAL DETAILS

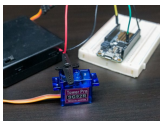
- Stall Torque (4.8v): 3.1kg/cm
- Stall Torque (6.0v): 3.5kg/cm
- Operating Speed (4.8v): 0.13sec/60°
- Operating Speed (6.0v): 0.08sec/60°
- Operating Voltage: 5.0~6.6v
- 36mm x 12mm x 31mm / 1.4" x 0.5" x 1.2"
- Wire Length: 257mm / 10.1"
- Weight: 14g
- Spline Count: 20

RoHS

LEARN



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



Using Servos With CircuitPython and Arduino
How to use servo motors with CircuitPython and Arduino

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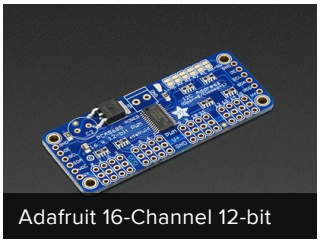
MAY WE ALSO SUGGEST...


Adafruit 16-Channel 12-bit

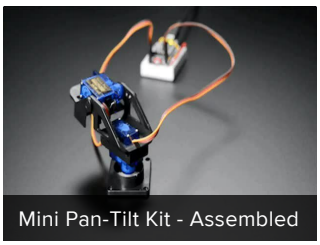

Standard servo - TowerPro


Micro Servo - MG90S High


Analog Feedback Servo

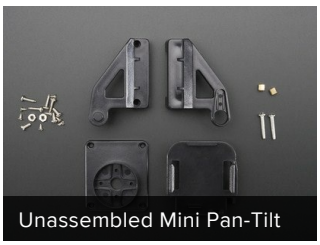

Adafruit 16-Channel 12-bit


Standard Size - High Torque


Mini Pan-Tilt Kit - Assembled


Continuous Rotation Servo


Analog Feedback Micro


Unassembled Mini Pan-Tilt


Continuous Rotation Servo


Micro servo

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"Flexibility is the key to stability" -
John Wooden

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4.9 ★★★★★ Google Customer Reviews

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