

Micro Servo #169

DESCRIPTION

Tiny little servo can rotate approximately 180 degrees (90 in each direction), and works just like the standard kinds you're used to but *smaller*. 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, especially since it will fit in small places. Of course, its not nearly as strong as a standard servo. Works great with the Motor Shield for Arduino or by just wiring up with the Servo library. Comes with a few horns and hardware.

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 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

Details:

- Size : 23x11x29 mm
 - Voltage : 3V to 6V DC
 - Weight: 9g / 0.32oz
 - Speed : 0.12 sec/60 (at 4.8V)
 - Torque : 1.6 kg-cm
 - Working Temp : -30C~60C
 - Teflon Bushing, 19cm wire, coreless motor, servo arms & screw included
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