



moreTILT allows you to extend the rotation of a standard servo.

Standard servos will rotate over 200° but RC systems usually limit this to only 80°. Connecting TILT in series with the servo allows increased rotation.

**Operation for 90°**

As delivered rotation is increased to 90° from the 80° which is achieved by most budget priced RC systems. Simply insert the unit in series with the servo, paying attention to the connections – black in -ve & red is +ve.

**Operation for 180°**

First it is important to check the servos suitability for 180° operation, some micro servos cannot mechanically achieve 180°.

With the servo **unpowered** apply pressure and rotate the output slowly. Inside the device there are mechanical stops and you should feel increased pressure when you reach the end. Note this point and rotate back to find the stop at the opposite end.



A standard servo will rotate 200° between these end points; if your servo doesn't then do not use moreTILT. To use moreTILT cut the blue wire, & insert in series as per **90°**.

**Specification**

Supply Voltage	3 to 5.5V. (Absolute maximum voltage, 6.5V)
Supply Current	Maximum 1mA. (in addition to servo current)
Servo Pulses	Pulses from 1.1 to 1.9mS are transformed to <b>90°</b> : 1.0 to 2.0mS <b>180°</b> : 0.6 to 2.4mS
Weight	1.7 grams including wires & connectors.