AA229Servo MG996 13KG 360 degree high quality

Description

Continuous Rotation Servo MG996R, 360 deg. The Continuous Rotation Servo MG996R has the ability to rotate continuously at 360 degrees in both directions. This makes this servo perfect for robotics or even the rotation of camera sliders!

Torque MG996R Digital Servo features metal gearing resulting in extra high 10kg stalling torqueIt features upgraded shock-proofing and a redesigned PCB and IC control system thatmake it much more accurate than its predecessor MG995. The gearing and motor have also been upgraded to dth and centering. This high-torque standard servo can rotate approximately 120º (60ºThe MG996R Metal Gear Servo also comes with a selection of arms and hardware to get you set up nice and fast servo control projects!

Features:

Gear Type: All Metal Gears
Stall torque:12kg/cm(6V)
Power Supply: Through External Adapter
Operation Voltage : 4.8 - 7.2 V
Temperature range: 0'C to 55'C
Operating Speed: 0.17sec / 60 degrees (4.8V no load)
Operating Speed: 0.13sec / 60 degrees (6.0V no load)
Compliant with most standard receiver connector: Futaba, Hitec, Sanwa, GWS etc...
Stable and Shock Proof.
Connector Wire:Length 300mm
Great for truck, Boat, Racing Car, Helicopter and Airplane

Specifications:

Connector wire length:300 mm
Package Dimension: 54 x 38 x 20 mm
Net weight:61 g
Package weight:71 g
Color: Black

Package Content:

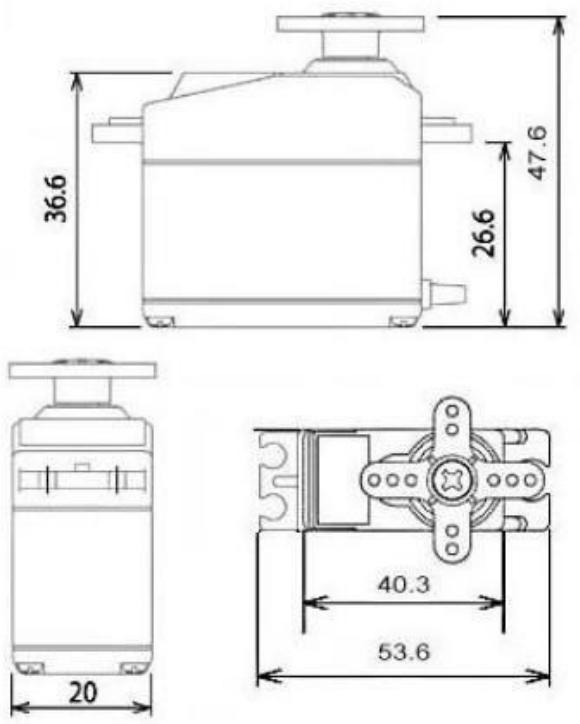
1 x MG996R Servo

Package Included:

- 1x MG996R Servo Motor.
- 4x Arms.
- 4x Fixing Screws and rubber grommet.
- 1x M4 arms fixing screw.

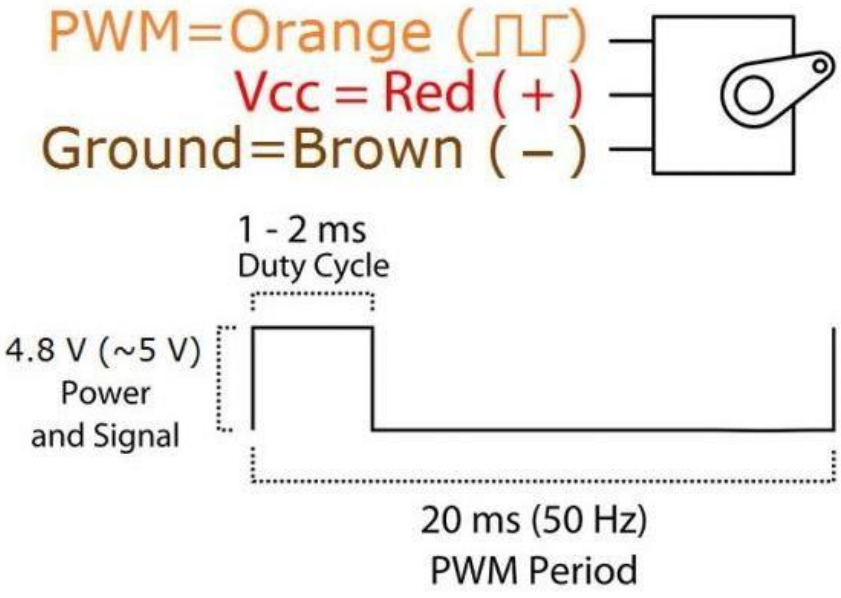
Mechanical Dimensions:

Unit: mm

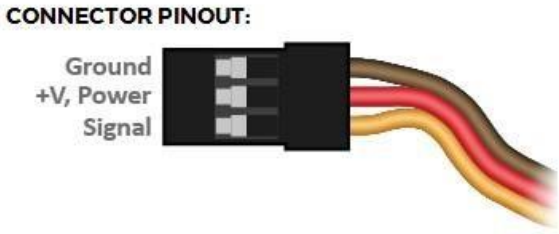


Metal Gear Construction:

Electrical Control Signal:



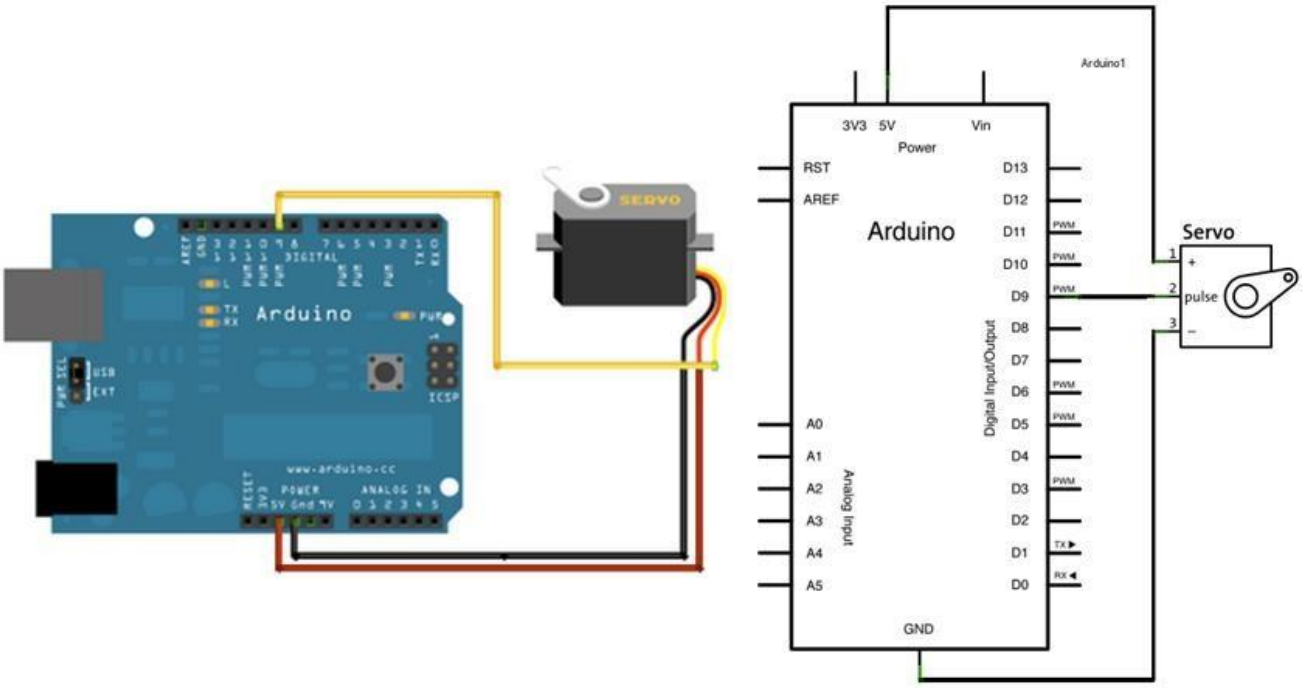
Position "0" (1.5ms pulse) is middle, "90" (~2ms pulse) is middle, is all the way to the right, "-90" (~1ms pulse) is all the way to the left.



Application With Arduino:

Circuit:

Servo motors have three wires: power, ground, and signal. The power wire is typically red, and should be connected to the 5V pin on the Arduino board. The ground wire is typically black or brown and should be connected to a ground pin on the board. The signal pin is typically yellow, orange or white and should be connected to pin 9 on the board.



Open Arduino IDE, go to “File” > “Examples” > “Servo” > “Sweep”. Open the “Sweep” sketch and upload to your Arduino board. Attach an arm to the servo motor, you should see the arm sweeping at 180° to and fro.