PhidgetAdvancedServo 8-Motor

Description

The PhidgetAdvancedServo 8-Motor allows you to control the position, velocity, and acceleration of up to 8 RC servo motors. It requires a 8-30VDC external power supply; its switching power supply allows the RCC0004 to efficiently operate from 8 to 30 VDC and can be used with a wide range of batteries. You can control the regulator and choose a global servo voltage of 5.0V, 6.0V, or 7.4V. A servo will have more torque when running at a higher voltage, but will have a shorter overall lifespan. Check your servo's data sheet and balance the voltage for your specific application. For a list of compatible power supplies, see the Connection & Compatibility tab.

The RCC0004 connects directly to a computer's USB port.

Comes Packaged with

- Hardware mounting kit:
- 4x M3 Bolts (2cm Length)
- 4x Plastic spacers (5mm Length)
- 4x M3 Nuts

Product Specifications

Servo Controller	
API Object Name	AdvancedServo

Number of Motor Ports	8
Pulse Width Min	83.3 ns
Pulse Width Max	2.7 ms
Pulse Width Resolution	83.3 ns
Pulse Code Period Max	25 ms
Board	
Controlled By	USB (Mini-USB)
API Object Name	RCServo
Electrical Properties	
Supply Voltage Min	8 V DC
Supply Voltage Max	30 V DC
Current Consumption Max	26 mA
Continuous Motor Current Max	(per motor) 1.6 A
Surge Current Max	(per motor) 3 A
Output Impedance (Motor)	600 Ω
Output Motor Voltage	5 V DC
USB Speed	Full Speed
Physical Properties	
Power Jack Hole Diameter	5.5 mm
Power Jack Pin Diameter	2.1 mm
Power Jack Polarity	Center Positive
Recommended Wire Size	12 – 24 AWG
Object Temperature Min	0 °C
Object Temperature Max	70 °C

Note:: Current from USB supply is not available for motors.