



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# Simple Motor and Encoder Kit



The new simple motor and encoder kit from DAGU combines low cost, reliable encoders with powerful geared motors and 65mm diameter wheels with soft rubber tires and foam rubber inserts. Perfect for any hobbyist or student.

The new geared motors offer two shafts that the magnetic encoder disc can be attached to. When attached to the output shaft the encoder output will change state (high to low or low to high) 8 times per wheel revolution. When the encoder disc is fitted onto the motor shaft the resolution of the encoder is 948 state changes per revolution.

## Specifications:

Encoder type:	8-pole neodymium magnet and hall-effect sensor
Encoder output:	Open drain with short circuit protection
Encoder voltage:	3V – 24V with reverse polarity protection
Encoder resolution:	8 state changes / revolution when mounted on the output shaft 948 state changes / revolution when mounted on the motor shaft
Motor voltage:	3V – 6V
No load current:	200mA
Stall Current:	3A @ 6V 1.5A @ 3V
Gearbox ratio:	48:1
Wheel Speed:	135rpm @6V unloaded