



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

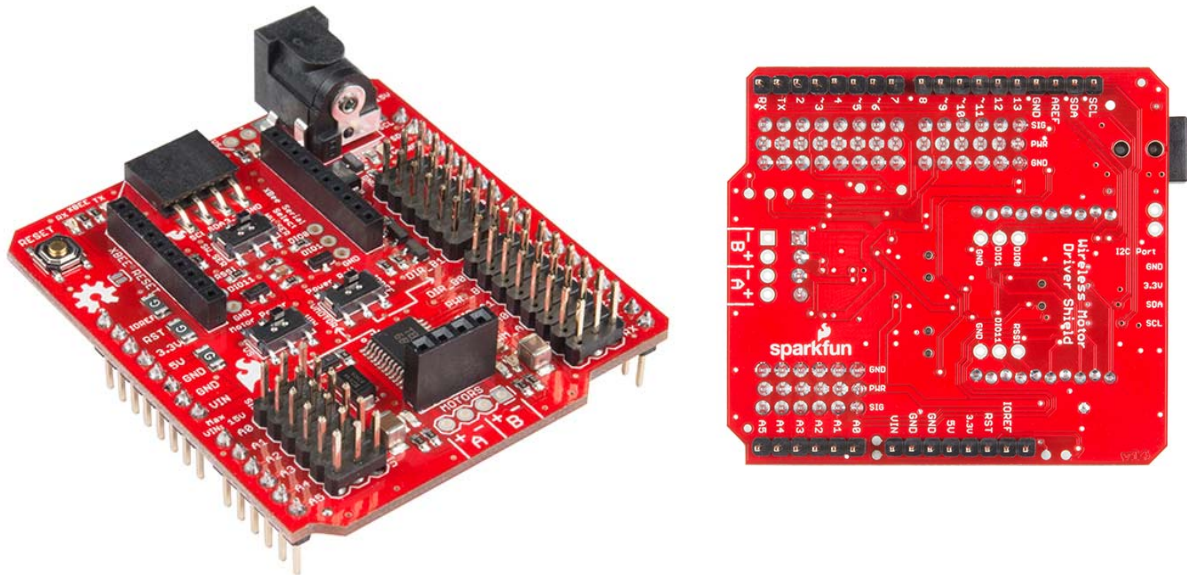
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





SparkFun Wireless Motor Driver Shield

DEV-14285 RoHS Open Source Hardware



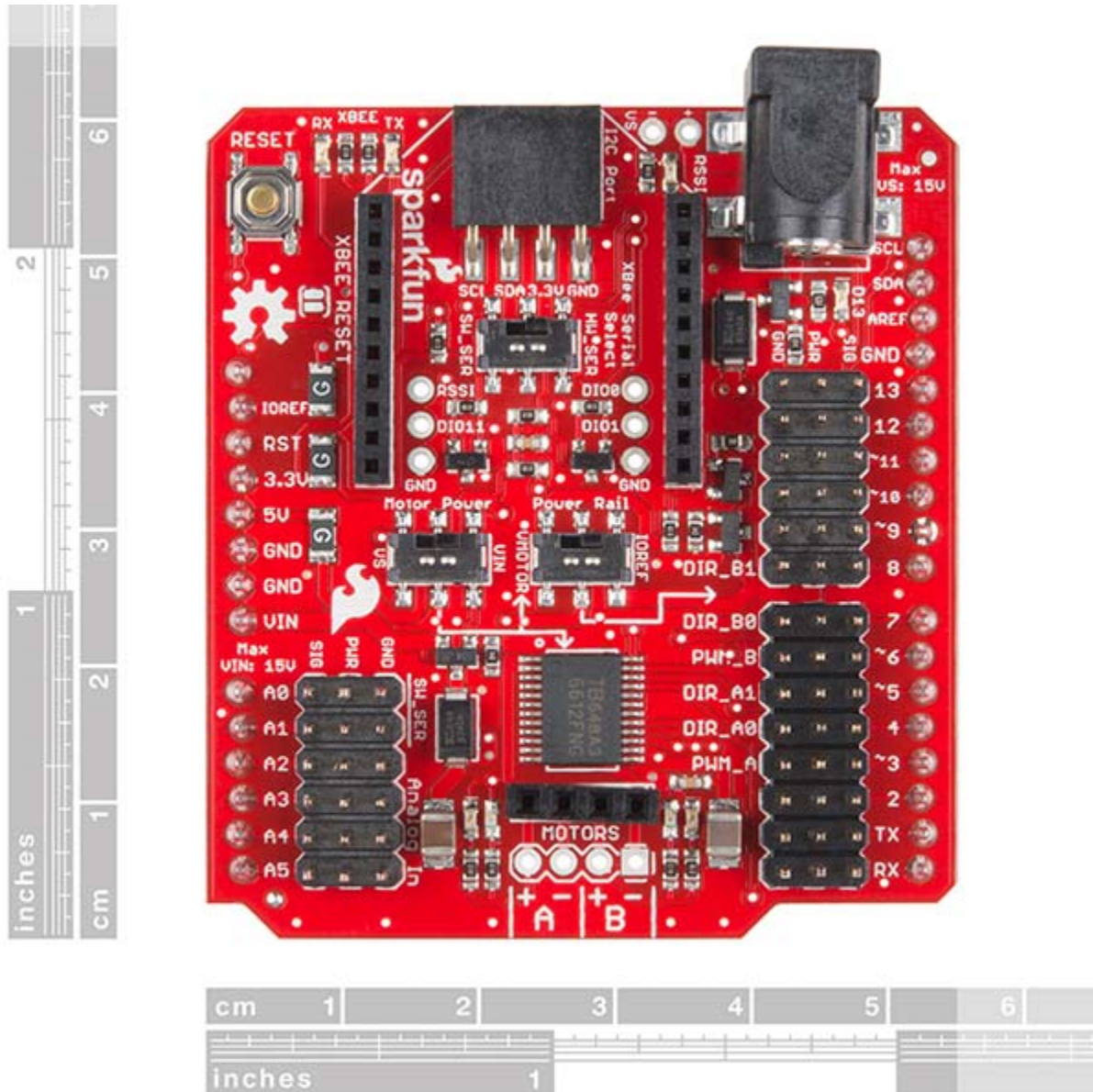
The SparkFun Wireless Motor Driver Shield is designed to make connecting motors, sensors and other components to your Arduino-based project as fast and easy as possible. The heart of the Wireless Motor Driver Shield is the Toshiba TB6612FNG H-Bridge Motor Driver, which allows the shield to control two DC motors at once, both CW and CCW, and to brake electronically. The TB6612FNG H-Bridge is rated up to 1.2A per channel at 13V, which means it will drive a fair variety of hobby motors ranging in power. Each of the GPIO pins is broken out on a “servo-style” header field with PWR and GND to allow you to easily connect devices using a 3-pin servo cable.

Using the onboard slide switches, the motor power and servo power rail can be connected to the Arduino’s regulated voltage, VIN, or a completely separate power supply attached to the shield’s barrel jack. This feature makes the SparkFun Wireless Motor Driver Shield ideal if you are connecting multiple servos and need more than 5V to your robotics project!

This shield also includes an I²C pin-out and a built-in XBee socket, making it perfect for setting up an XBee-based remote control. Simply plug an XBee module into the socket on the shield, and you have the control system for a simple remote control rover or small autonomous robot!

FEATURES

- TB6612FNG H-Bridge Motor Driver
- XBee Socket
- I²C Header
- Arduino R3 Layout



Notice. This product requires other products in order to function properly.
See [essential products](#).

Essentials
XBee 1mW Trace Antenna - Series 1 (802.15.4)
WRL-11215
XBee Pro 60mW Wire Antenna - Series 1 (802.15.4)
WRL-08742
Circular Robotics Chassis Kit (Two-Layer)
ROB-14332
SparkFun RedBoard - Programmed with Arduino
DEV-13975
Circular Robotics Chassis Kit (Three-Layer)
ROB-14339