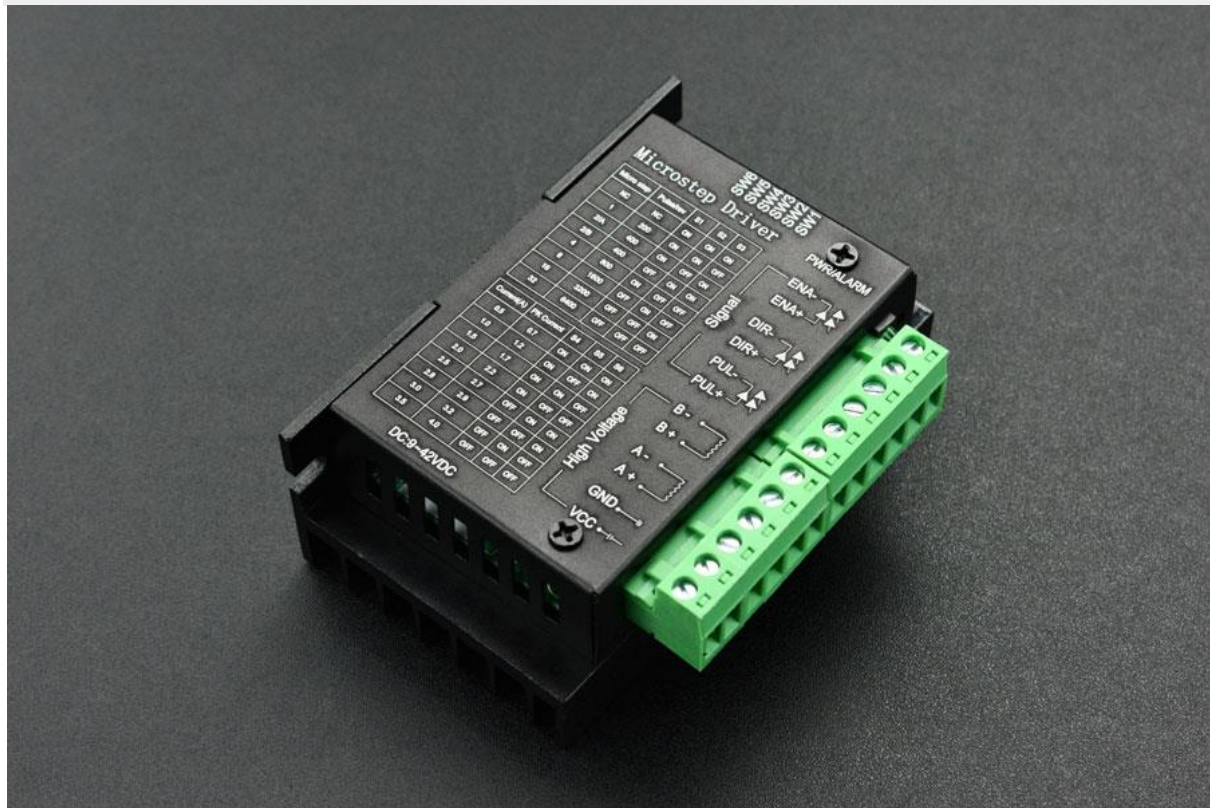




DFROBOT®
DRIVE THE FUTURE

TB6600 Stepper Motor Driver

SKU:DRI0043



INTRODUCTION

What is a stepper motor?

[Stepper motor](#) is a brushless DC electric motor that divides a full rotation into a number of equal steps. The motor's position can then be commanded to move and hold at one of these steps.

How to control a stepper motor?

The fast way to control a stepper motor is just using a [stepper motor driver](#) (controller). And TB6600 arduino is just what you need.

TB6600 arduino is an easy-to-use professional stepper motor driver, which could control a two-phase stepping motor. It is compatible with [Arduino](#) and other microcontrollers that can output a 5V digital pulse signal. TB6600 arduino stepper motor driver has a wide range power input, 9~42VDC power supply. And it is able to output 4A peak current, which is enough for the most of [stepper motors](#).

The stepper driver supports speed and direction control. You can set its micro step and output current with 6 DIP switch. There are 7 kinds of micro steps (1, 2 / A, 2 / B, 4, 8, 16, 32) and 8 kinds of current control (0.5A, 1A, 1.5A, 2A, 2.5A, 2.8A, 3.0A, 3.5A) in all. And all signal terminals adopt high-speed optocoupler isolation, enhancing its anti-high-frequency interference ability.

As a professional device, it is able to drive 57, 42-type two-phase, four-phase, hybrid stepper motor.



DFROBOT®
DRIVE THE FUTURE

FEATURES

- Support 8 kinds of current control
- Support 7 kinds of micro steps adjustable
- The interface adopts high-speed optocoupler isolation
- Automatic semi-flow to reduce heat
- Large area heat sink
- Anti-high-frequency interference ability
- Input anti-reverse protection
- Overheat, over current and short circuit protection

SPECIFICATION

- Input Current: 0~5A
- Output Current: 0.5-4.0A
- Control Signal: 3.3~24V
- Power (MAX): 160W
- Micro Step: 1, 2/A, 2/B, 4, 8, 16, 32
- Temperature: -10~45°C
- Humidity: No Condensation
- Dimension: 96*56*33 mm/ 3.78*2.2*1.3 inches
- Weight: 0.2 kg
- Drive IC: TB67S109AFTG