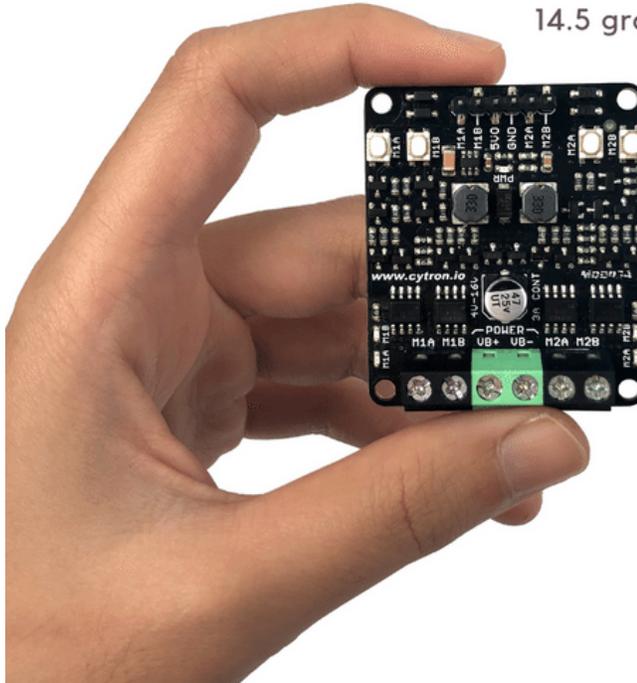


COMPACT DESIGN

40 x 50 x 13 (cm)
14.5 gram



MAKER MDD3A - Dual channel 3A DC Motor Driver

SKU 105090004

Are you interested in the robot motor? Do you want to start a motor driver? Here is your chance! Dual channel 3A DC Motor Driver is a powerful motor driver which can support two brushed DC motors or one single bipolar/unipolar stepper motor from 4V to 16V. This motor driver is designed with discrete MOSFETs H-bridge. As a matter of fact, the motor driver is able to run with 3Amp current per channel continuously without any additional heatsink.

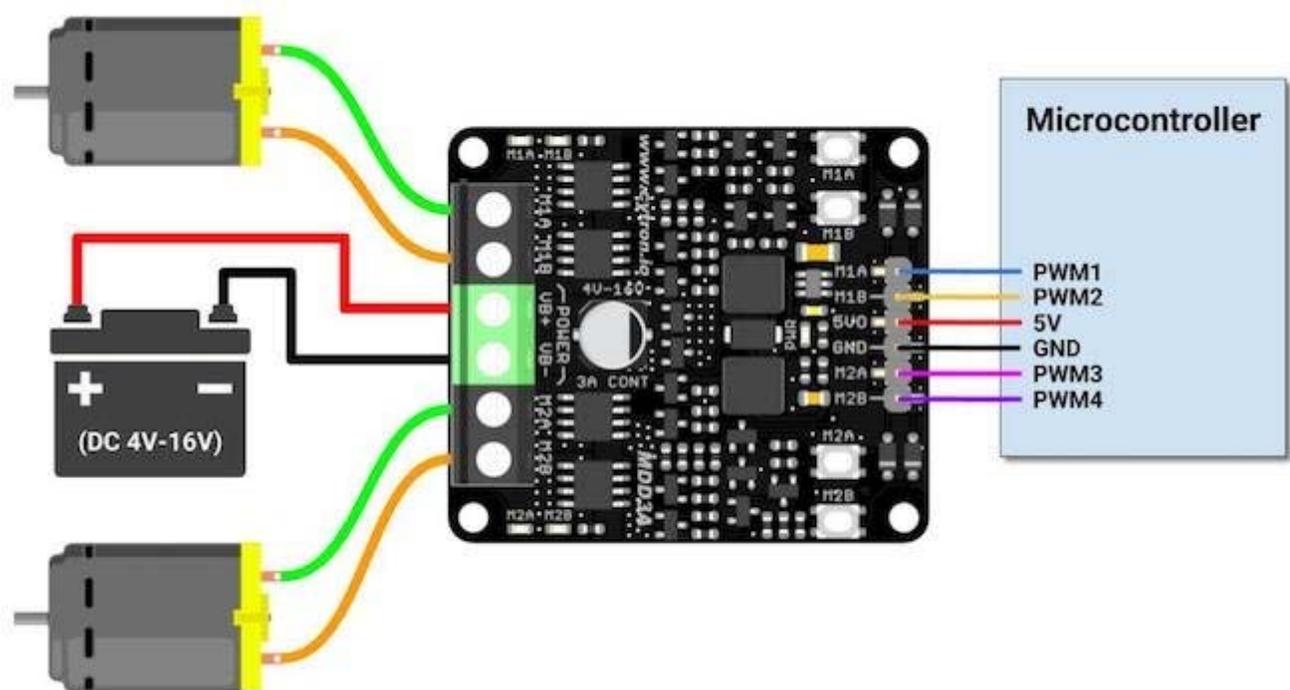
There are two groups of test buttons(each group contains two buttons) to correspond with two separated channels. With these test buttons, you don't have to connect with the controller to test the driver, which is very convenient. The module also provides 4V~5V output to support the controller.

Dual channel 3A DC Motor Driver is able to run with a wide power supply of 1.8V to 12V. What 's more? It can be compatible with many controllers, such as Arduino and raspberry pi. Besides, this driver support reverse polarity protection, so it will not be broken easily by misoperation.

Features

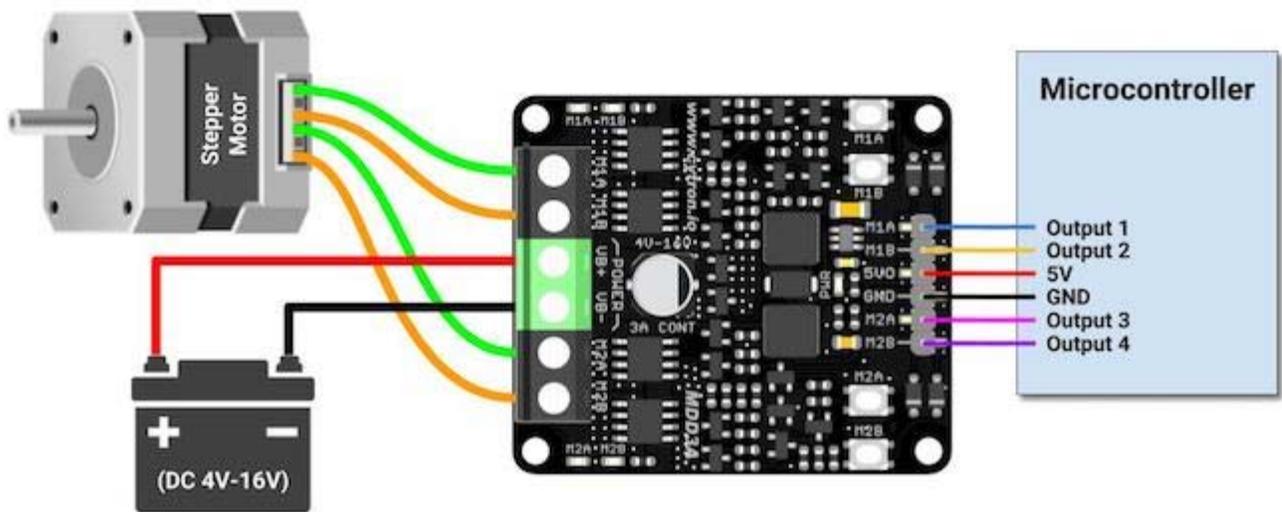
- Bidirectional control for two brushed DC motor.
- Control one unipolar/bipolar stepper motor.
- Operating Voltage: DC 4V to 16V
- Maximum Motor Current: 3A continuous, 5A peak
- Buck-boost regulator to produce 5V output (200mA max).
- Buttons for quick testing.
- LEDs for motor output state.
- Inputs compatible with 1.8V, 3.3V, 5V and 12V logic (Arduino, Raspberry Pi, PLC, etc).
- PWM frequency up to 20kHz (Output frequency is same as input frequency).
- Reverse polarity protection

Interface



Input A (M1A / M2A)	Input B (M1B / M2B)	Output A (M1A / M2A)	Output B (M1B / M2B)	Motor
Low	Low	Low	Low	Brake
High	Low	High	Low	Forward*
Low	High	Low	High	Backward*
High	High	High	High	Brake

* Actual motor direction is depending on the motor connection.
Swapping the connection (MA & MB) will reverse the direction.



ECCN/HTS

HSCODE	8503001000
UPC	