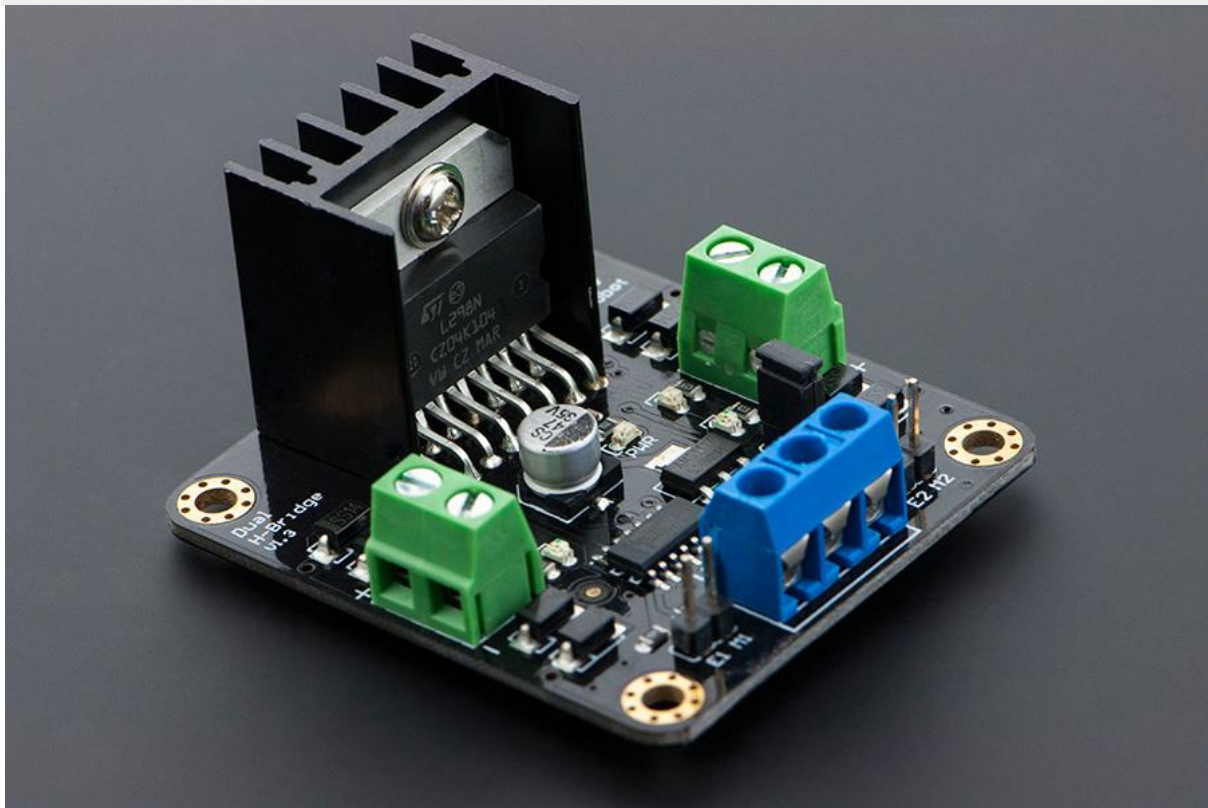




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MDV 2x2A DC Motor Controller (L298N)

SKU:DRI0002



INTRODUCTION

This is a 4.8-46V, 2A Dual Motor Controller which is the revised version of the DF-MDV1.0. Its performance has been improved greatly. It can bear larger current due to the increased [heat-sink](#) dissipation. It is easy to control, using LGS's outstanding high-power motor driver chip, the L298N. This chip allows for direct drive of two bi-directional [DC motors](#), and incorporates high-speed short diodes for protection. Drive current up to 2A per motor output. The driver uses a broad-brush design to reduce wire resistance.

This breakout module with standard screw holes will help on applications and devices with flat spaces, so you don't need to use the Arduino stacked up shield.

SPECIFICATION

- The logic part of the input voltage: 6 ~ 12V
- Driven part of the input voltage V_s : 4.8 ~ 46V
- The logical part of the work current I_{ss} : 36mA
- Drive part of the operating current I_o : 2A
- Maximum power dissipation: 25W ($T = 75$ degree Celsius)
- Control signal input level:
- High level: $2.3V = V_{in} = V_{ss}$



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- Low: $-0.3V = V_{in} = 1.5V$
- Operating temperature: -25 degree Celsius \sim $+130$ degree Celsius
- Drive Type: Dual high-power H-bridge driver
- Module Size: 47 mm (1.85 in) \times 53mm (2.1 in)
- Module Weight: About 29g