Introduction

This **2x2A DC Motor Shield for Arduino** (https://www.dfrobot.com/product-69.html) allows Arduino to drive two channel DC motors (https://www.dfrobot.com/category-110.html) . It uses a L298N chip which deliveries output current up to 2A each channel. The speed control is achieved through conventional PWM which can be obtained from Arduino's PWM output Pin 5 and 6. The enable / disable function of the motor control is signalled by Arduino (https://www.dfrobot.com/category-35.html) Digital Pin 4 and 7.

The Motor shield can be powered directly from Arduino (https://www.dfrobot.com/category-35.html) or from external power source. It is strongly encouraged to use external power supply to power the motor shield.

- Logic Control Voltage: 5V (From Arduino)
- Motor Driven Voltage: 4.8 ~ 35V (From Arduino or External Power Source)
- Logic supply current Iss: ≤36mA
- Motor Driven current Io: ≤2A
- Maximum power consumption: 25W (T = 75 ℃)
- PWM, PLL Speed control mode
- Control signal level:

High: 2.3V≤Vin≤5V Low: -0.3V≤Vin≤1.5V

Board Diagram