

# Control DC Motors Using L293D IC and Arduino:-

## Case 1: Rotate Both Motors

Here we will rotate the motors, in our case both motors are rotating anti-clockwise.

## Case 2: Reverse the Rotation

Simply, change the HIGH to LOW and LOW to HIGH.

## Case 3: Rotate M1 and Stop M2

Both digitalWrites for motor 2 will become LOW for it to stop. Similarly, use it for stopping M1 and rotating M2.

## Case 4: Control Motor Speed

Here in this article, the pins on Arduino we are using are digital PWM (Pulse Width Modulation). These pins allow us to control the signal strength using a pre-defined function `analogWrite()`.