



Mini Round Robot Chassis Kit – 2WD with DC Motors

PRODUCT ID: 3216



Description

Unleash your inner Mad Max and make your vehicle dreams a reality with the Mini Red Round Robot Chassis Kit.

This kit gives you everything you need to build the shell of a 2-wheel-drive Mobile Platform Robot! You get the metal plates that make up the chassis, two DC drive motors with matching wheels, and a caster ball for balance. You'll fill in the rest with a power supply, microcontroller board, and motor controller. The differential drive (two separately driven wheels) allows for a near zero turning radius while the high-strength aluminum alloy body plus high-quality high-speed motors make it suitable for flat indoor surfaces. Also it's adorably small!

We of course have suggestions to run the motors like our [TB6612 breakout](#), [Motor FeatherWing](#), [Motor Shield for Arduino](#), or [Motor HAT for Raspberry Pi](#). Basically anything that can do two bi-directional brushed DC motors at ~5V and 1.5 Amp peak. To steer the wheels, you'll need something to toggle the motor driver like our [Feather 32u4 Bluefruit LE](#), which we used in our demo, and to power the robot/microcontroller we used a [Lithium Ion Battery – 3.7v 2000mAh](#), but this is all up to you and your imagination!

Note: LiPoly Battery, Feather board, FeatherWings, and Feather accessories are not included! This is just the body of the mobile platform robot.

Kit includes:

2x Drive Motors (drive with 3–6VDC, 200–400 mA run, 1.5A hard stall)

2x Wheels

1x Plastic Caster Ball

Anodized aluminum frame and all mounting hardware for assembly

Technical Details

Assembled Dimensions:

Length of Metal Plates: 100mm / 3.9"

Width of Car (wheels assembled): 109mm / 4.3"

Height (wheels assembled): 60mm / 2.4"

Engineered in NYC Adafruit®