4WD Mobile Platform (SKU:ROB0003)

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Introduction

The DFRobot 4WD Arduino Mobile Platform is intended for use with the DFRobot RoMeo Microcontroller. It includes 4 drive motors, 4 wheels and an attachable chassis. The chassis can be mounted on top of the base of the 4WD Mobile Platform -- by serving as a "second level," the chassis allows you to add more electronics (such as sensors, etc) while also providing space for a standard servo motor. The body of the 4WD Mobile Platform is comprised of high-strength aluminum alloy, which makes it both sturdy and lightweight. This makes it ideal for use on outdoor grass, gravel, sand or sloped surfaces, to name a few.

Through use of the RoMeo Microcontroller, Bluetooth, and its capacity for servos and additional electronics, the 4WD Arduino Mobile Platform is highly customizable, making it well-suited for robot competitions and research-related projects.

- Designed for use with RoMeo Microcontroller, a versatile microcontroller for mobile robots
- 4WD Arduino mobile robot development platform
- 4 high-quality micro-speed motor
- Electrical supply voltage: 3 ~ 12V
- Complete chassis with mounting hardware

- Can be customized through addition of sensors & servos

Specifications

- 4WD Mobile platform Motors: 3-12V DC
- Speed: 90cm/s
- Dimensions: 200mm x 170mm x 105mm

Motor Specifications

- Gear Ratio 1:120
- No-load speed(3V):100RPM
- No-load speed(6V):200RPM
- No-load current(3V):60mA
- No-load current(6V):71mA
- Stall current(3V):260mA
- Stall current(6V):470mA
- Torque (3V): 1.2Kgcm
- Torque (6V): 1.92Kgcm
- Size: 55mm x 48.3mm x 23mm
- Weight:45g