SKU:ROB0003 (https://www.dfrobot.com/product-97.html)

Introduction

(https://www.dfrobot.com/product-97.html)

The DFRobot 4WD Arduino Mobile Platform is intended for use with the DFRobot RoMeo Microcontroller (https://www.dfrobot.com/wiki/index.php/RoMeo_BLE__SKU:DFR0305_). 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 (http://arduino.cc/en/reference/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 (https://www.dfrobot.com/wiki/index.php/RoMeo_BLE__SKU:DFR0305_), 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

Specification

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

Motor Specification

- 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

More Documents

- Assembly Guide v3.1 (https://github.com/Arduinolibrary/DFRobot_Pirate_4WD_Mobile_Platform/raw/master/ROB0003 Instruction Mannual V3.1.pdf)
- Assembly tutorial (http://www.youtube.com/watch?v=H_OThKDM44Q) (Video)
- RoMeo BLE (microcontroller (https://www.dfrobot.com/wiki/index.php/RoMeo_BLE__SKU:DFR0305_)

🛒 Get **4WD Mobile Platform** (https://www.dfrobot.com/product-97.html) from DFRobot Store or **DFRobot Distributor**. (https://www.dfrobot.com/index.php?route=information/distributorslogo)

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