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micro: Maqueen Lite with Skin (Blue) - micro:bit Educational Programming Robot Platform

SKU:ROB0148-EN-LB Brand:DFRobot Reward Points: 369

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Topic: Robotics STEM Education micro:bit

* Model: Blue Green White Red
Quantity: − 1 +

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with Skin (Blue) - micro:bit Education... BUY IT NOW

INTRODUCTION

Note: The product includes micro: Maqueen Lite-micro:bit Educational Programming Robot Platform with Blue skin (Installed).

micro:bit board and batteries are not included.

The pretty skin not only makes it **more popular with children** but also effectively **protects the core circuit** from damage. If you only need the skin, please click here.

Maqueen Lite is a STEAM educational programming robot. Despite a mini-body, it comes with an exquisite appearance and inherits the playability and simple operation of micro:bit. Besides, there are housings with four lively colors red, green, blue, and gray designed for Maqueen Lite, which makes it more popular with kids.

Maqueen Lite works well with both micro:bit V1 and V2, and integrates rich peripherals like ultrasonic ranging sensor, IR receiver, IR line-tracking sensor, LED car lights, RGB ambient lights, etc.

Suggest Age: 8 +

Maqueen is accessible to Mind+ Programming platform now. Mind+ is a graphical programming platform from DFRobot, supporting Python, Arduino, and other programming platforms. At present, Mind+ has been applied to all kinds of sensors, modules, and related educational products.

We recommend that students choose micro: Maqueen Lite with skin, easier to operate. Motors, vehicle wheels, support wheel, skin, and battery holder has been installed before delivery.

This kit includes a track map, more suitable for teaching.

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In Stock

Quantity:

The Differences between

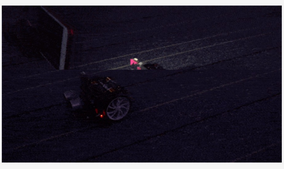
micro: Maqueen Lite with skin & micro: Maqueen Lite

Product	micro: Maqueen Lite with skin	micro: Maqueen
Installed	√ (Parts and skin has been installed before delivery) 	× (Spare Parts) 
Map	√ 	×
Color	 Red / White / Blue / Green	Not selectable

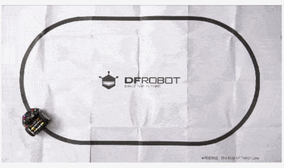
LED Light Flash and RGB Breathing Ambient Light:



Light-operated Sprite:



Line Tracking:



FEATURES

- Exquisite appearance and lively colors, popular with kids
- No need to install, get started in minutes
- Latest Maqueen 4.2 core, stable and steady performance
- Support micro:bit V1 and V2 and Maqueen Mechanic Kit

APPLICATIONS

- STEM Education

SPECIFICATION

Maqueen Lite:

- Supply Voltage: 3.5V~5V DC (Three AAA batteries)
- Infrared Line-tracking Sensor (High/low level) x 2
- Buzzer x 1
- Infrared Receiver (NEC encode) x 1
- LED Car Lights (High/low-level control) x 2
- RGB Ambient Light (Full 16 million colors) x 4
- SR04 Ultrasonic Interface (5V) x 1
- I2C (3.3V) x 1
- Servo Port (S1 S2) x 2
- Gravity Expansion Port (P0, P1, P2) x 3
- N20 Metal Gear Motor x 2
- Motor Reduction Ratio: 1:150
- Maximum Rotate Speed: 133 rpm
- Motor Drive Mode: PWM
- Support Wheel Material: POM
- Vehicle Wheel Material: ABS
- Tyre Material: eco-friendly rubber
- Programming Method: MakeCode, Mind+
- Dimension: 81x 85 x 44mm/3.19 x 3.35 x 1.73" (micro:bit not included)
- Weight: 75.55g (Battery, micro:bit, and peripheral accessories not included)

Skin (Installed):

- Skin Material: eco-friendly ABS
- Weight: 60g
- Color: Blue

DOCUMENTS

- Product wiki

SHIPPING LIST

- Maqueen Lite Vehicle Body x1
(Note: Motors, vehicle wheels, support wheel, skin, and battery holder have been installed before delivery)
- H-SR04 Ultrasonic Sensor x1
- Line-tracking Map x1

REVIEW

FAQ

Disqus seems to be taking longer than usual. Reload?