micro: Maqueen Lite (with micro:bit V2 / Skin / Mechanic / Cable / Gamepad / Track Map)

$129.70

SKU: ROB0148-EN-6

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Introduction

Note:

This is a set of multiple product combinations, each product with independent packaging and delivery. Batteries are not included.


This kit includes micro: Maqueen Lite, micro:bit V2, Type-C & Micro 2-in-1 USB Cable, micro:Maqueen Mechanic (Forklift, Push, Beetle, and Loader), micro: Maqueen Lite Skin Pack - Blue, micro:GamePad - GamePad and Track Map.

Here comes Maqueen – micro:bit educational programming robot platform

Maqueen is an easy-to-use micro:bit programming robot for STEAM education, which inherits the playability and simple operation of micro:bit. With a mini body, play-and-play, it allows students to quickly learn graphical programming in an entertaining way while nurturing their interests in science and logical thinking.

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.



Certificate of ROB0148



Click here to get more playing video of Micro: Maqueen

Features

- Support for Makecode, will support Scratch and python later.
- Small size, flexible movement.
- All-metal miniature gear motor, good quality, strong driving force.
- Line patrol, ambient light, LED lights, ultrasonic interface, buzzer, I2C interface, mechanical expansion screw hole, etc. ... full-featured, highly expandable.
- Exclusive customized POM bearing wheel, flexible and reliable, strong obstacle crossing ability.
- Easy to install, easy to use.

Specification

- Supply Voltage: 3.5V~5V DC (Three AAA batteries or 3.6V~3.7V lithium battery)
- Infrared Grayscale Sensor(High-low level) x 2
- Buzzer x 1
- Infrared Receiver (NEC decoder) x 1
- LED Lights (High-low level control) x 2
- RGB Ambient Light (16 million colors) x 4
- SR04, SR04P Ultrasonic Interface(5V) x 1
- I2C Interface (5V) x 1
- Gravity Extension Interfaces (P0, P1, P2) x 3
- N20 All-metal Gear Motor x 2
- Motor Drive Mode: PWM motor drive
- Bracket and Protective Cover Extension M3 Screw Hole x 6
- Programming Method: Makecode graphical programming, Mind+ graphical programming
- Dimension: 81mm x 85 mm x 44mm/3.19 x 3.35 x 1.73in

Documents

- Product wiki
- Maqueen4.1-MakeCode-Tutorial
- Maqueen-CE-FCC
- Silly-Maqueen-Makecode
- Silly-Maqueen-Mindplus
- MicroPython
- Download Mind+ For Free

Shipping List

- micro: Maqueen Lite-micro:bit Educational Programming Robot Platform *1
- micro: Maqueen Lite Skin Pack - Blue *1
- micro:bit V2 - an Educational Creative Tool for Kids *1
- micro:Maqueen Mechanic - Forklift *1
- micro:Maqueen Mechanic - Beetle *1
- micro:Maqueen Mechanic - Loader *1
- micro:Maqueen Mechanic - Push *1
- micro:GamePad - GamePad for micro:bit (V4.0) *1
- Type-C & Micro 2-in-1 USB Cable *1
- Track Map *1

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