# micro: Maqueen Lite (with micro:bit V2 & Enclosure / Cable / Track Map)

$61.80

SKU: ROB0148-EN-5

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## Introduction

**Remind: 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:bit Enclosure, 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.






BUREAU VERITAS

ATTESTATION
of conformity with European Directives

Attestation Number: 1988AB0827N055002
Product: micro:Maqueen for microbit Educational Programming Robot
Brand Name: N/A
Model: ROB0148-EN
Additional Model: N/A
Applicant: Chengdu Jiqu Technology Co., Ltd
Address: No.188, KexingRd West, Wenjiang, Chengdu, Sichuan, China
Technical Characteristics: DC 4.5V(1.5V*AAA*3) from Battery

The submitted sample of the above equipment has been tested for CE marking according to following European Directive and standards:

- Electromagnetic Compatibility Directive 2014/30/EU

| Standards | Report Number | Report date |
| --- | --- | --- |
| EN 55014-1:2017<br>EN 55014-2:2015 | CE190827N055 | Sep. 18, 2019 |

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified European Directive.

This verification does not imply assessment of the production of the product. The CE marking may be affixed if all relevant and effective European Directives with CE are applicable.

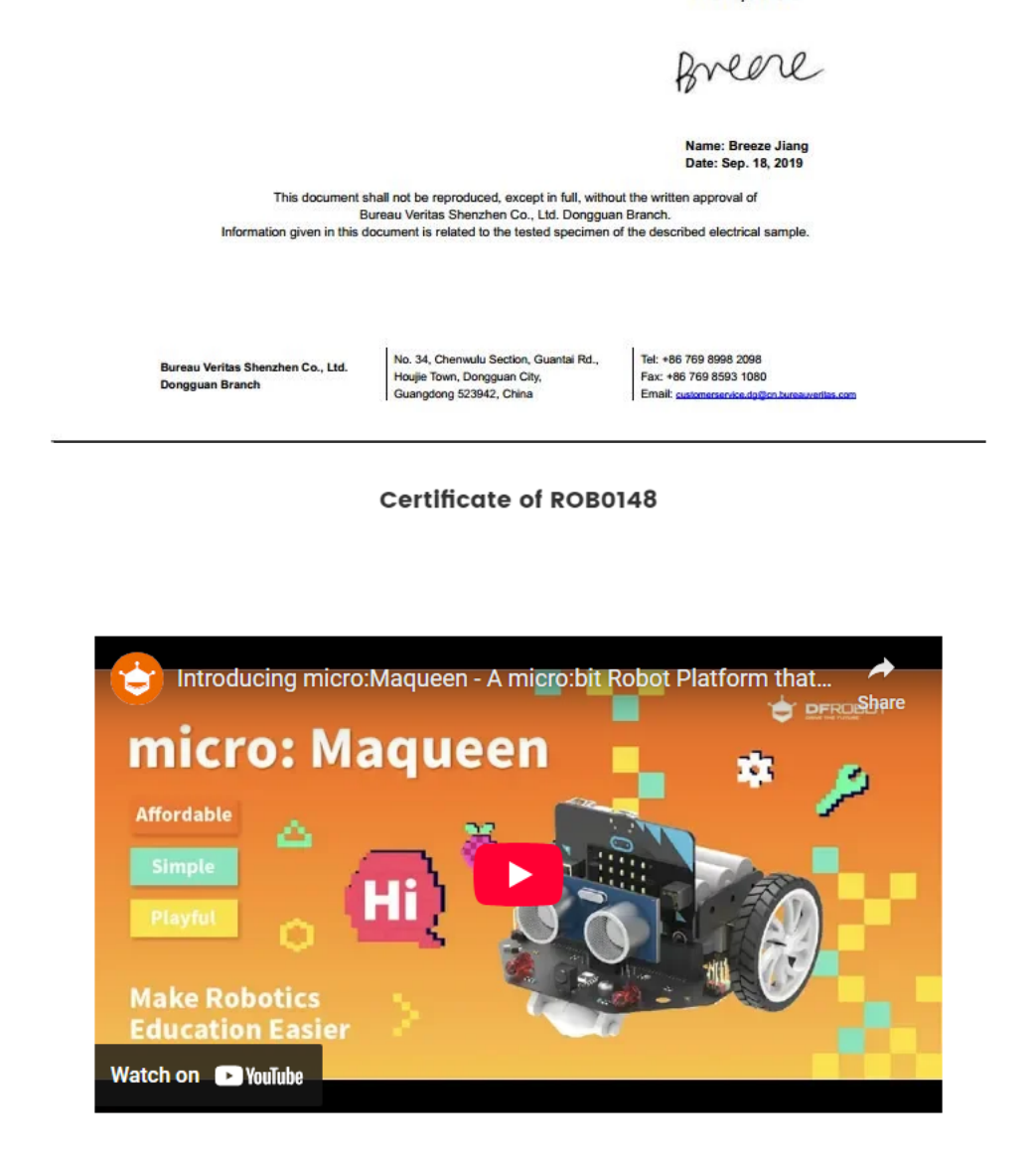
Senior Project Engineer
EMC Department

CE

Name: Breeze Jiang
Date: Sep. 18, 2019

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Information given in this document is related to the tested specimen of the described electrical sample.

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BUREAU VERITAS

ATTESTATION OF CONFORMITY

Attestation Number: 1988AB0827N055001
Product: micro:Maqueen for microbit Educational Programming Robot
Brand Name: N/A
Model: ROB0148-EN
Additional Model: N/A
Applicant: Chengdu Jiqu Technology Co., Ltd
Address: No.188, KexingRd West, Wenjiang, Chengdu, Sichuan, China
Technical Characteristics: DC 4.5V(1.5V*AAA*3) from Battery

The submitted sample of the above equipment has been tested according to following standard(s):

| Standards | Report Number | Report date |
| --- | --- | --- |
| FCC Part 15 Subpart B, Class B (sDoC) | FS190827N055 | Sep. 18, 2019 |

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements.
This verification does not imply assessment of the production of the product.

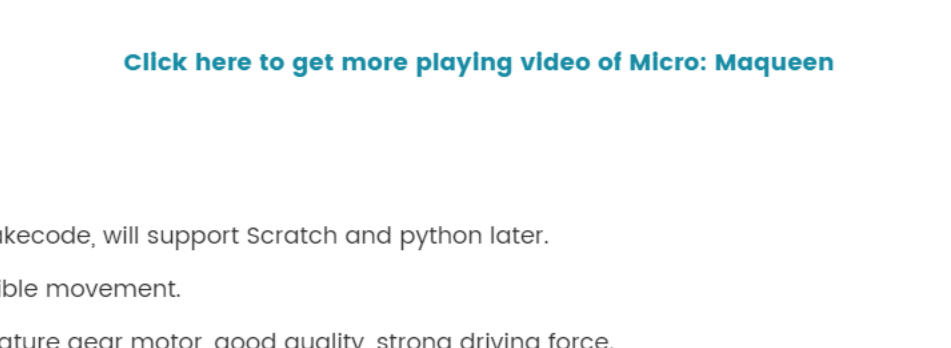
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Certificate of ROB0148




**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
- Weight: 75.55g

## 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:bit V2 - an Educational Creative Tool for Kids *1
- Type-C & Micro 2-in-1 USB Cable *1
- micro:bit Enclosure *1
- Track Map *1

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