SKU:ROB0147 (https://www.dfrobot.com/product-1790.html)

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1.Introduction

What is Max:Bot?

Max:Bot is an entry-level mobile platform with the best-designed interfaces for 8+ years old kids to learn about robotics. It can perfectly work when connected to micro:bit. Besides, Max:Bot carries nearly all the fundamental capabilities of a robot, and comes with all-metal shiny enclosure which is easy to assemble.

Features

- Work well with micro:bit
- Set up quickly and easy to use
- Aluminum design, more solid and durable
- Available extension, to upgrade and connect to expansion boards, support more than 100 Gravity digital modules.

Specification

- Power Supply: AA Battery x 4
- Operating Voltage: 3.3V

- Maximum Current: 500mA

- Micro USB Power Supply Voltage: 5V

- Working Temperature: 0-60 ℃

- Net Dimension： 200×150×100mm/7.87×5.91×3.94"

- Package Dimension: 250×130×150mm/9.84×5.12×5.91"

- Weight: 1250g

- Programming Platform: Mindplus (https://mindplus.cc/en.html) & makecode (https://makecode.microbit.org/)

Note: The MicroUSB port is reserved for charging lithium battery. However, lithium battery is not included in the package due to the shipping policy. Please contact tech-support for more information.

2. Max:Bot Kit Introduction

1. 10+ electronic modules, including motors, speakers, line trackers, distance sensors, gesture sensor, etc. Extendable with 50+ DFRobot Boson modules.
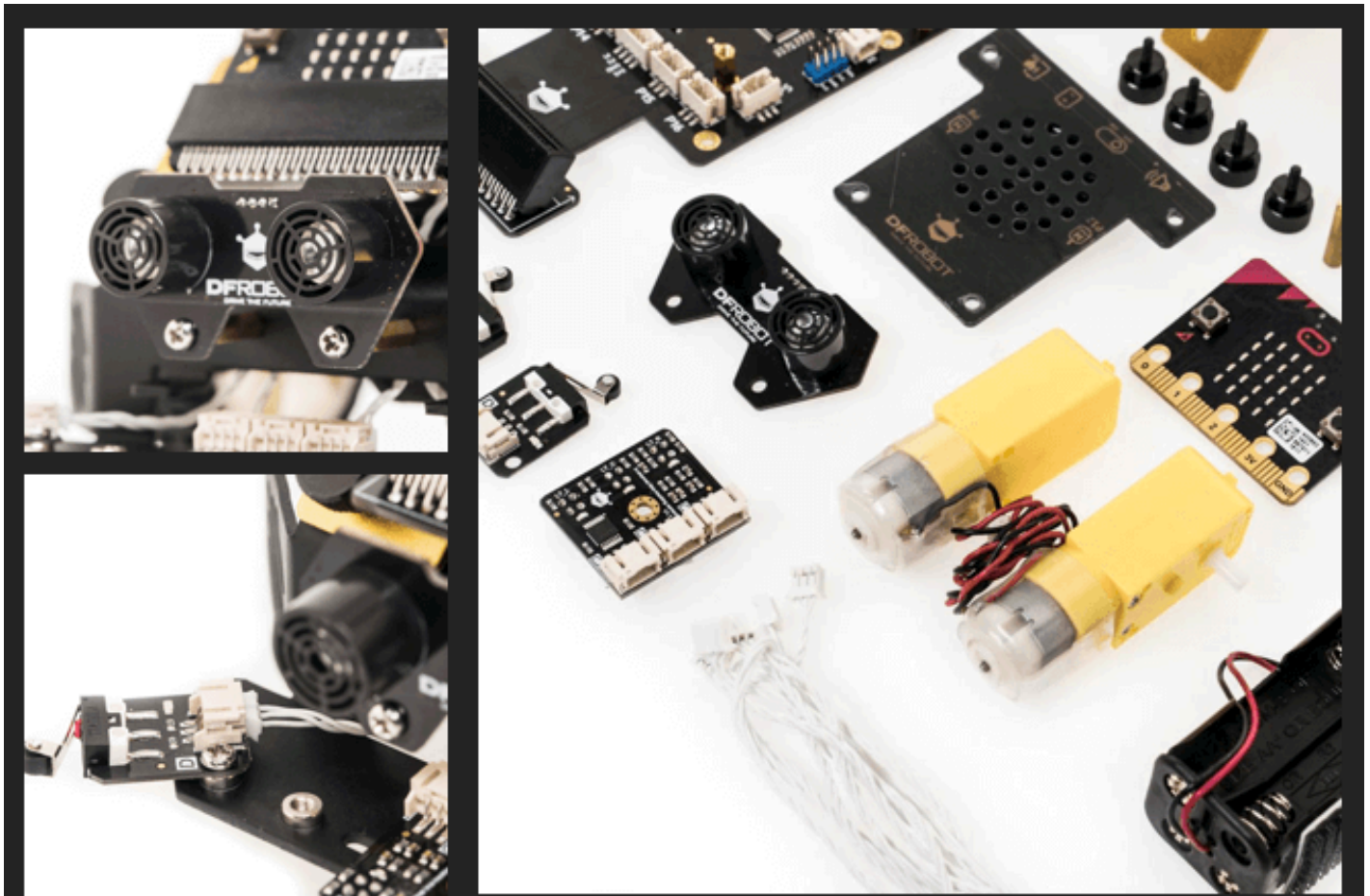
2. Well-designed aluminum structure, assemble the robot by your kid's own.

3. Detailed and vivid course material that teaches kids how to use Max:Bot to play music, track line, avoid gap, sense distance, or even communicate with other Max:Bots.
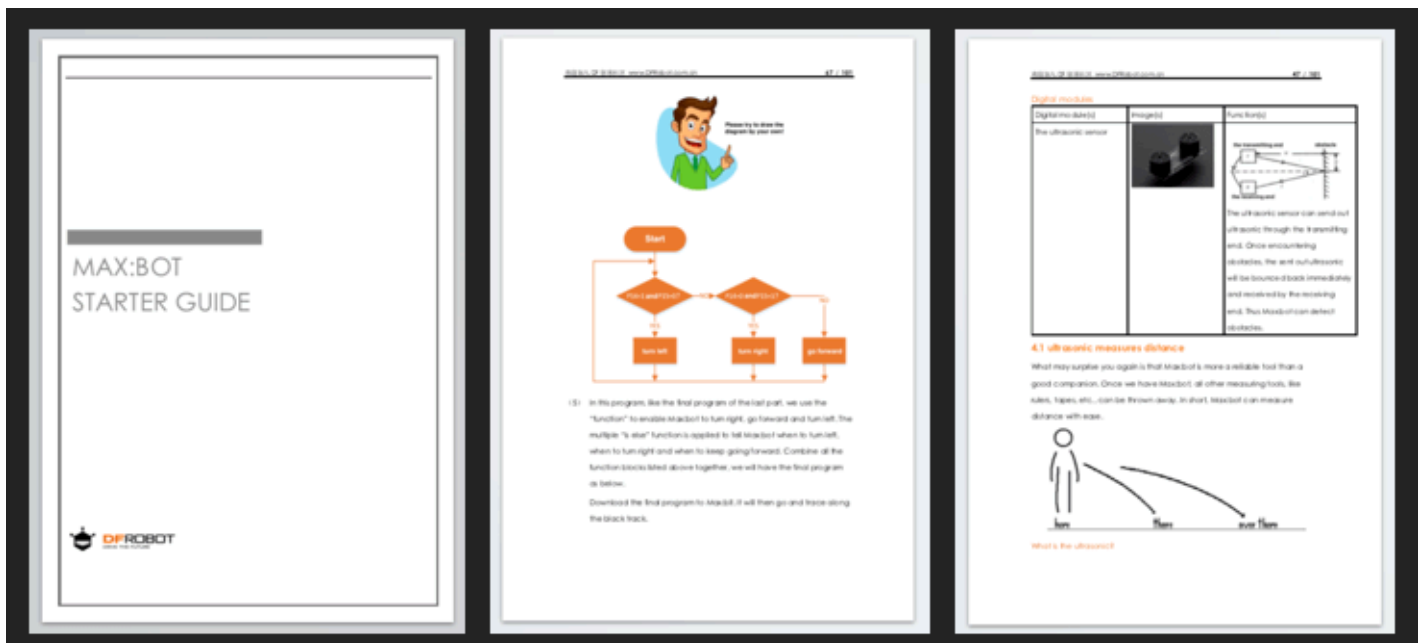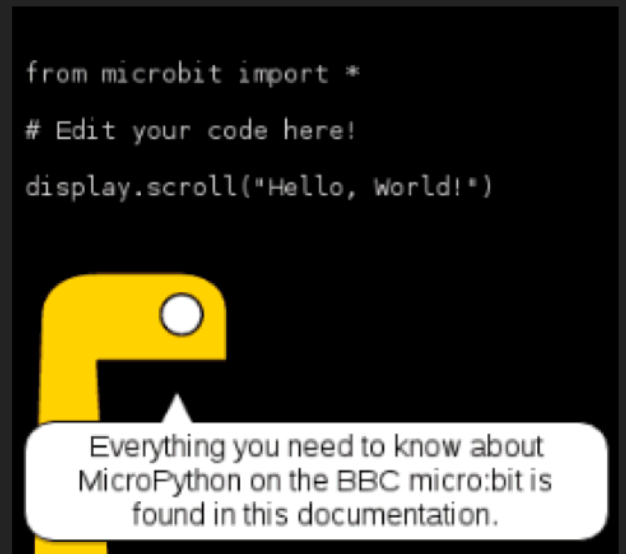

4. Based on micro:bit platform. Program Max:Bot with Scratch, MakeCode block editor, Python or JavaScript. Available from PC, Mac, IOS and Android devices.
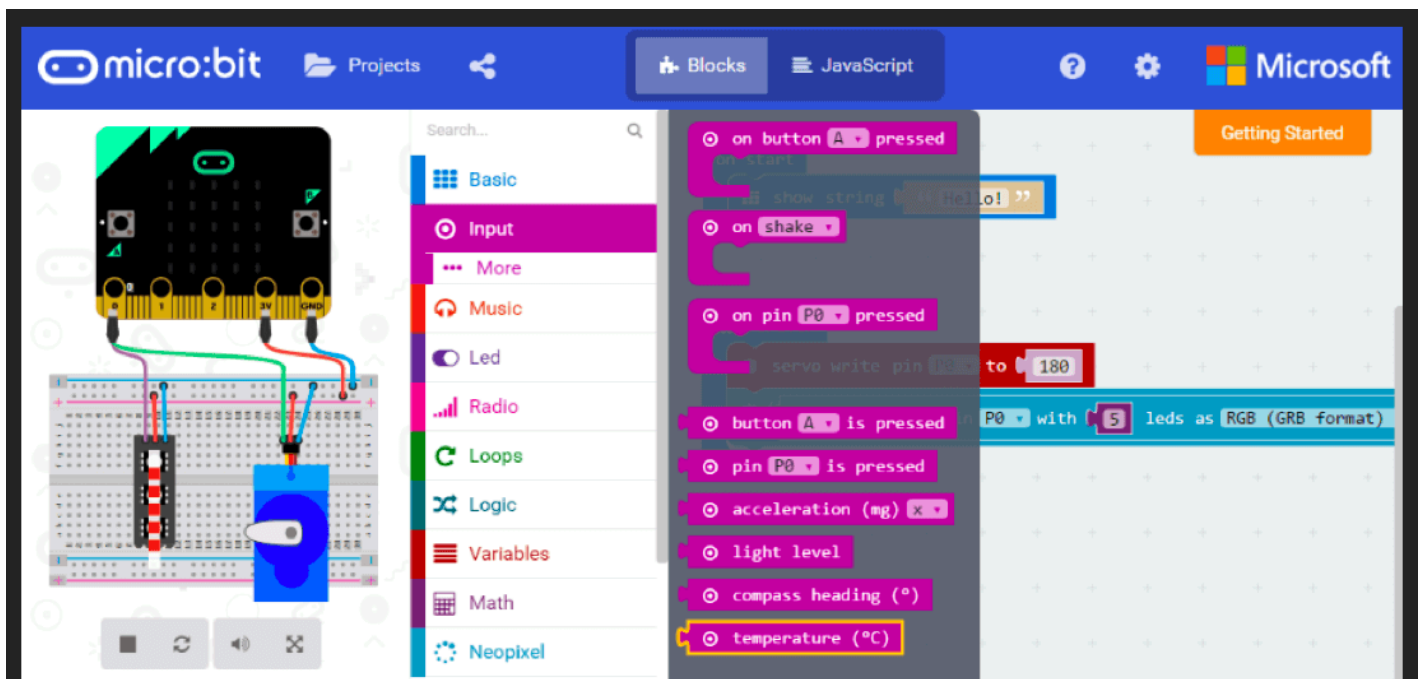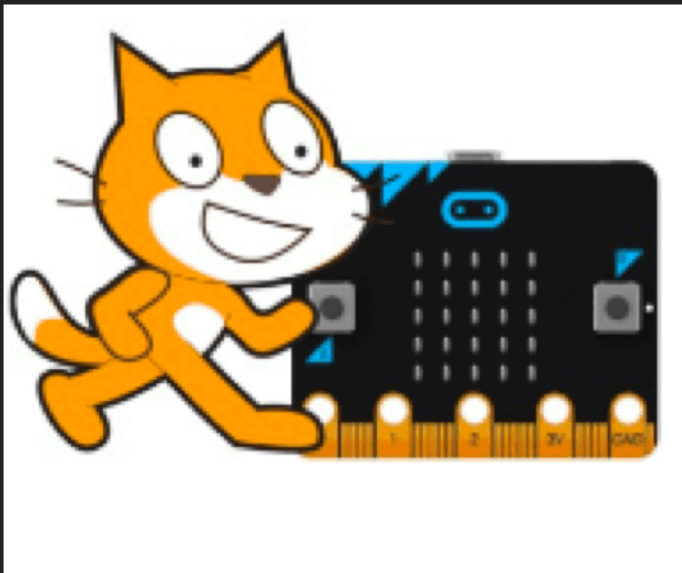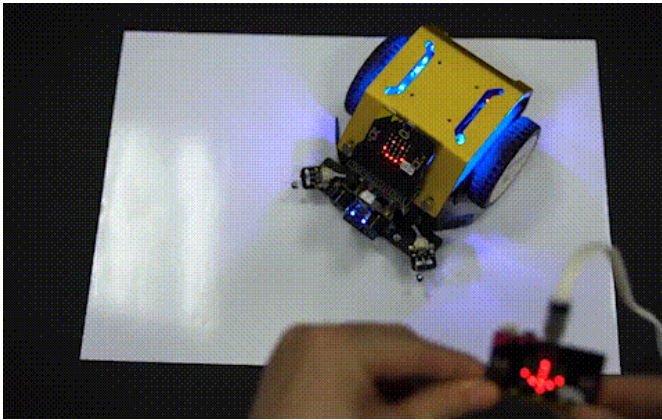
Features

- Learn Robotics

- Create your kid's own invention
- Robotics Competition

Applications
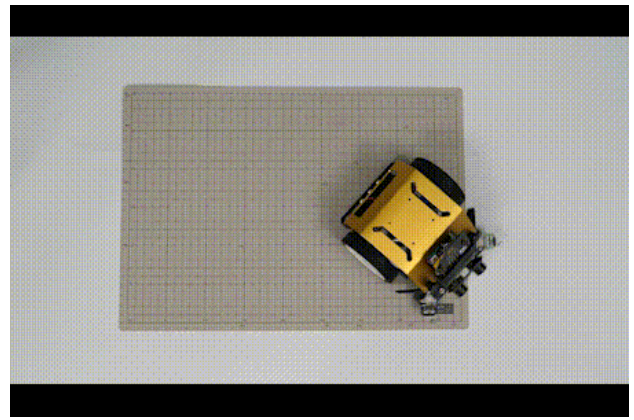
Track Line	Chase Light
Detect Collison	Remote Control
Avoid Obstacle	
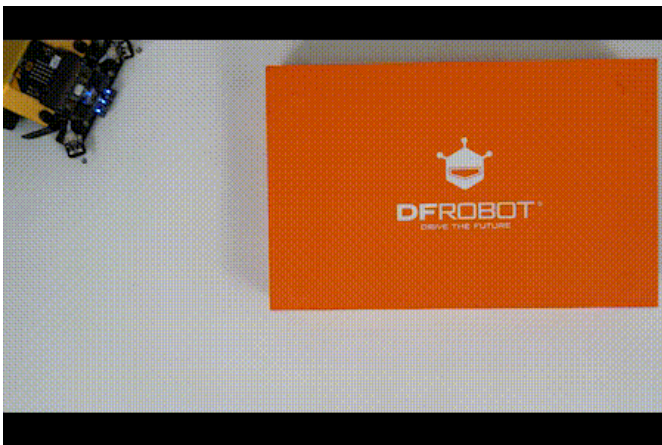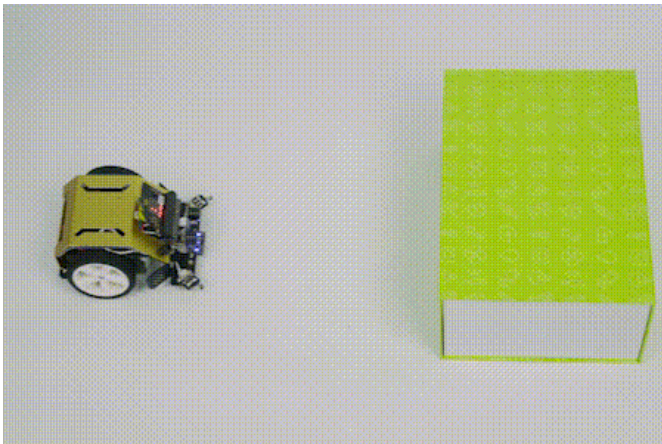
3. Video Demo

DIY Programmable Robot Kit: https://youtu.be/R6l9Jr7UW7U
(https://youtu.be/R6l9Jr7UW7U)
Max bot, Kit de robot programable para niños: https://youtu.be/ilEU0zKr9_4
(https://youtu.be/ilEU0zKr9_4)

4. Documents

Click to download the tutorial	1.Maxbot tutorial-Japanese-V0.8(makacode).pdf (https://dfimg.dfrobot.com/nobody/wiki/62c42c1b47d25f1ecb410f6e 2.MaxBot_Tutorial_SpanishV1.pdf (https://dfimg.dfrobot.com/nobody/wiki/aa96cc04bd31840395c0e76 3.MaxBot_Tutorial_English_MakeCode.pdf (https://dfimg.dfrobot.com/nobody/wiki/0a3333f1a7fe138a3ddb3a8c 4.MaxBot Tutorial-Mind+-EN-20190813.pdf (https://dfimg.dfrobot.com/nobody/wiki/a9bd3b09624ee3ef8e6fa374
Product pictures	

5. Product List

No.	Name	Pieces
1	Wheel	2
2	Max:Bot Mainframe	1
3	Max:Bot Top Cover×1 Brass Stand (short)×4 Brass Stand (long)×2	/
4	RGB Light Strip	2
5	2-Way Screw Driver	1
6	Cable (Long)	4
7	micro:bit (https://www.dfrobot.com/product-2125.html)	1
8	Speaker	1
9	Max:Bot Expansion Board	1
10	Double Sided Tape	1

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11	Micro USB Cable	1
12	Ultrasonic Distance Sensor	1

No.	Name	Pieces
13	DC Motor	2
14	Battery Case (AA x 4)	1
15	Cable (Short)	4
16	3-Way Line Tracker	1
17	Collision sensor	2
18	Front Supporting Wheel	1
19	Hex Key×1 M3 Screws×25	/
20	Line Tracking Map	1

FAQ

For any questions, advice or cool ideas to share, please visit the DFRobot Forum.