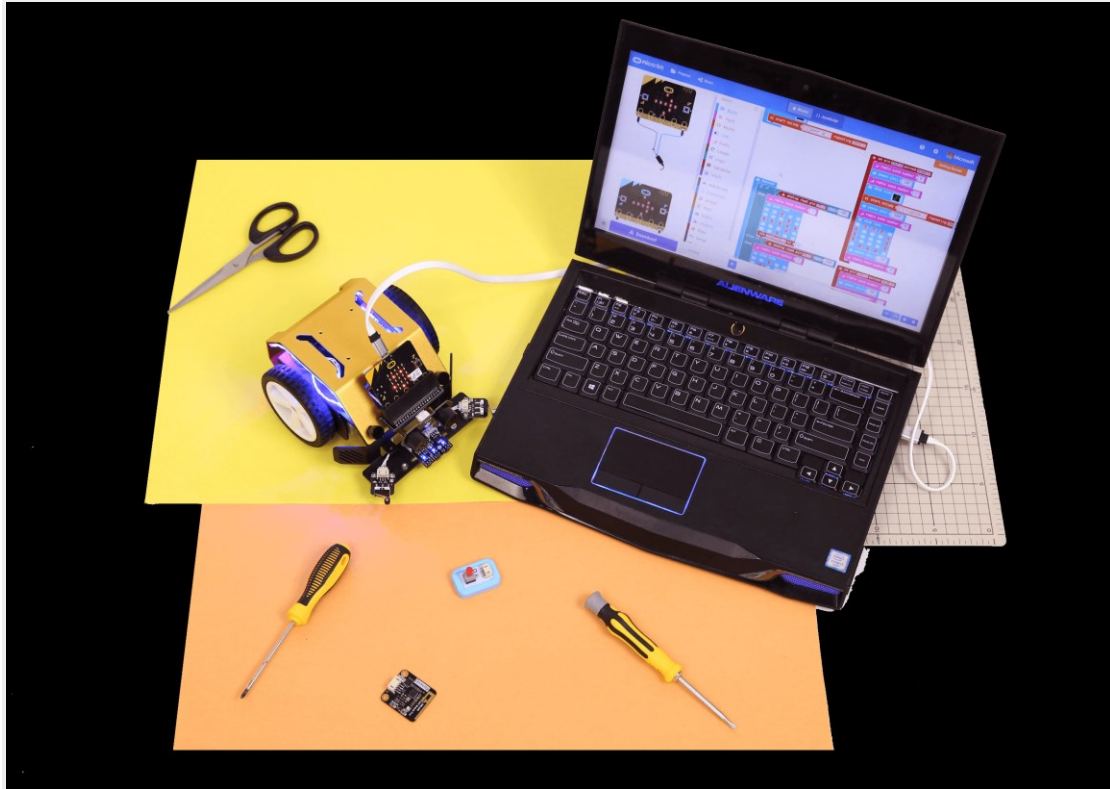


INTRODUCTION

Max:Bot An entry-level DIY robot that maximizes children's creativity

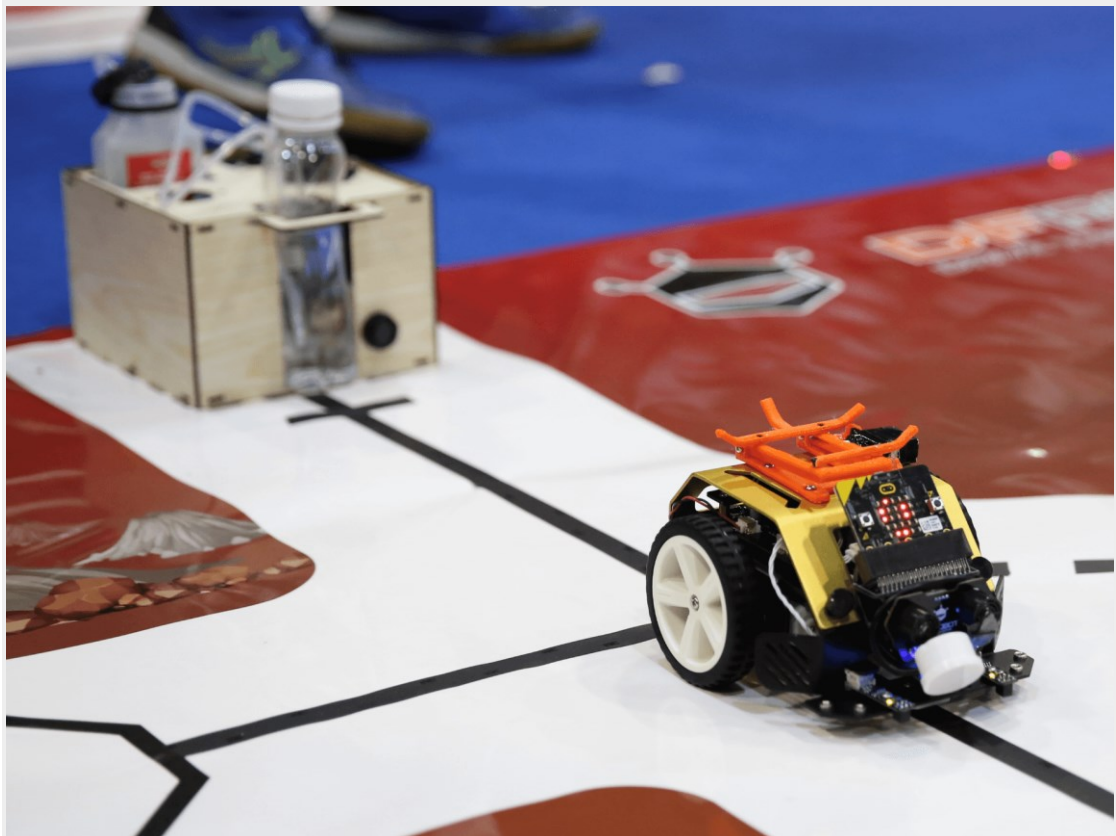


What is Max:Bot?

Max:Bot is a programmable toy for 8+ years old kids to learn about [robotics](#).



Learn Robotics

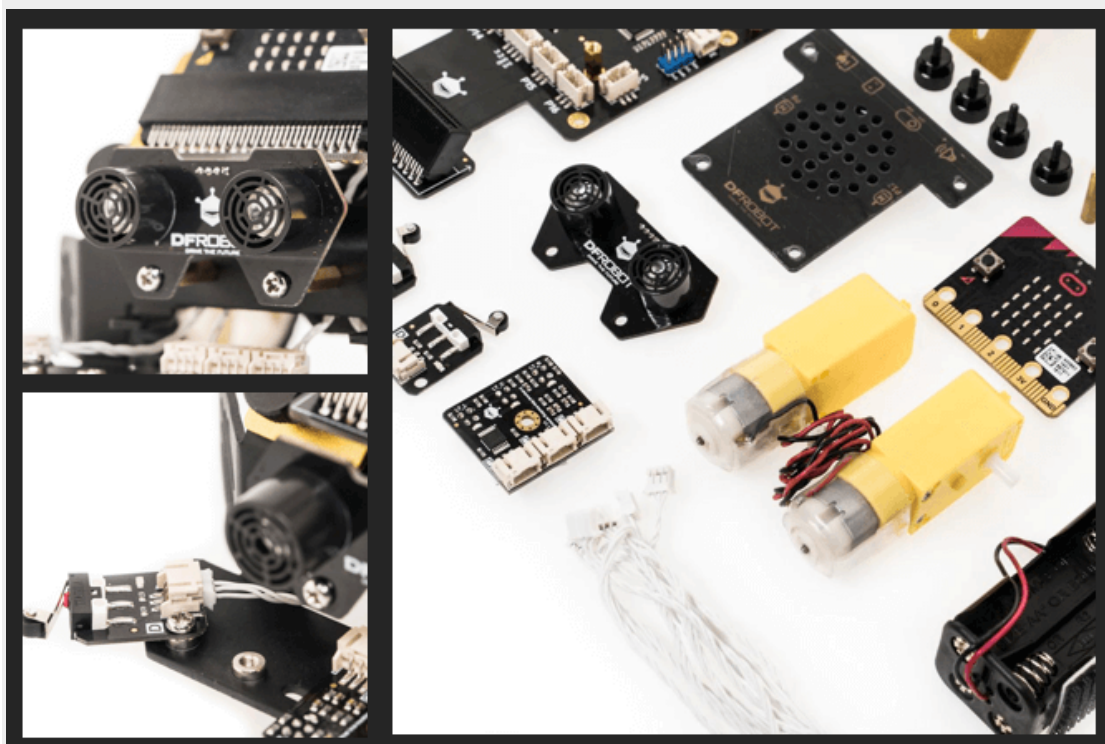


Create your kid's own invention



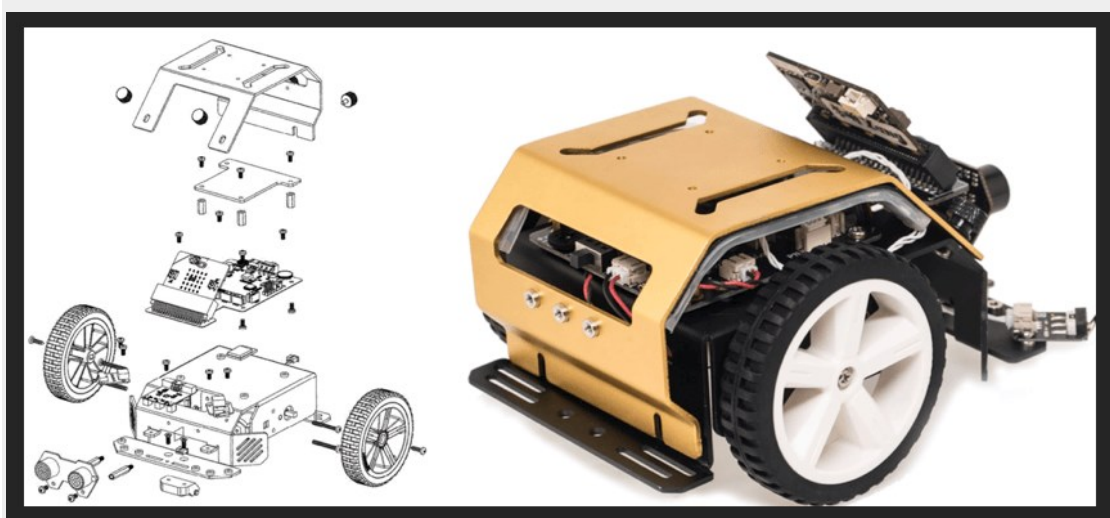
Robotics Competition

FEATURES




10+ electronic modules, including [motors](#), [speakers](#), [line trackers](#), [distance sensors](#), [gesture sensor](#), etc. Extendable with 50+ DFRobot Bosen modules.

More about [Bosen series](#)




Well-designed aluminum structure, assemble the robot by your kid's own.

MAX:BOT
STARTER GUIDE



MAX:BOT STARTER GUIDE



Please to double
check by your self

```

    graph TD
      Start([Start]) --> GoForward{Go Forward}
      GoForward --> TurnLeft{Turn Left}
      GoForward --> TurnRight{Turn Right}
      TurnLeft --> GoForward
      TurnRight --> GoForward
      
```


15. In this program, for the first program of the last part, we use the "function" to enable Max:Bot to run right, go forward and turn left. The multiple "if else" function is applied to let Max:Bot when to turn left, when to turn right and when to keep going forward. Combine all the function blocks listed above together, we will have the first program as below.

Download the first program to Max:Bot, it will then go and trace along the black track.

MAX:BOT STARTER GUIDE

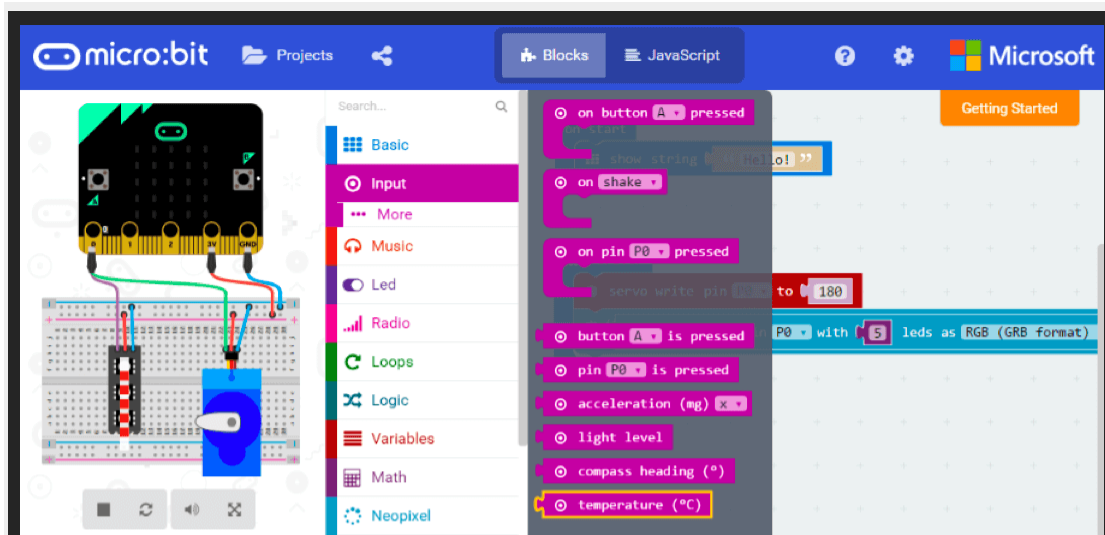
4.1 Ultrasonic measures distance

What may surprise you again is that Max:Bot is more a reliable tool than a good companion. Once we have Max:Bot of other measuring tools, like ruler, tape, etc., can be known deep. In short, Max:Bot can measure distance with ease.

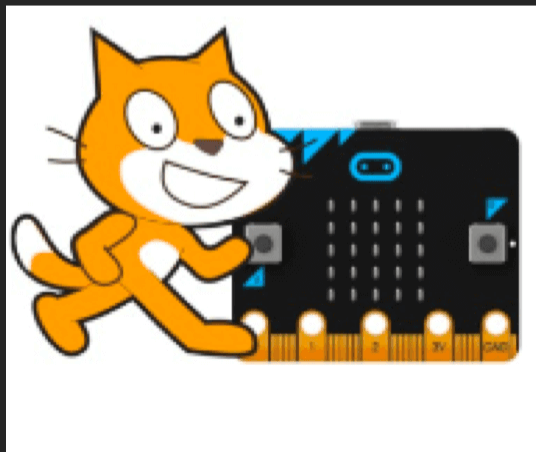


What's the ultrasonic?

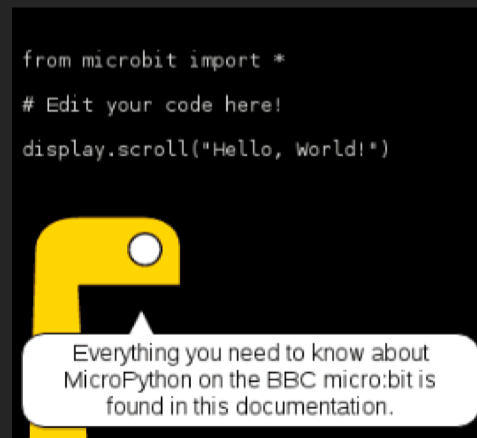
Detailed and vivid course material that teaches kids how to use Max:Bot play music, track line, avoid gap, sense distance, or even communicate with other Max:Bots.



Blocks editor or JavaScript editor



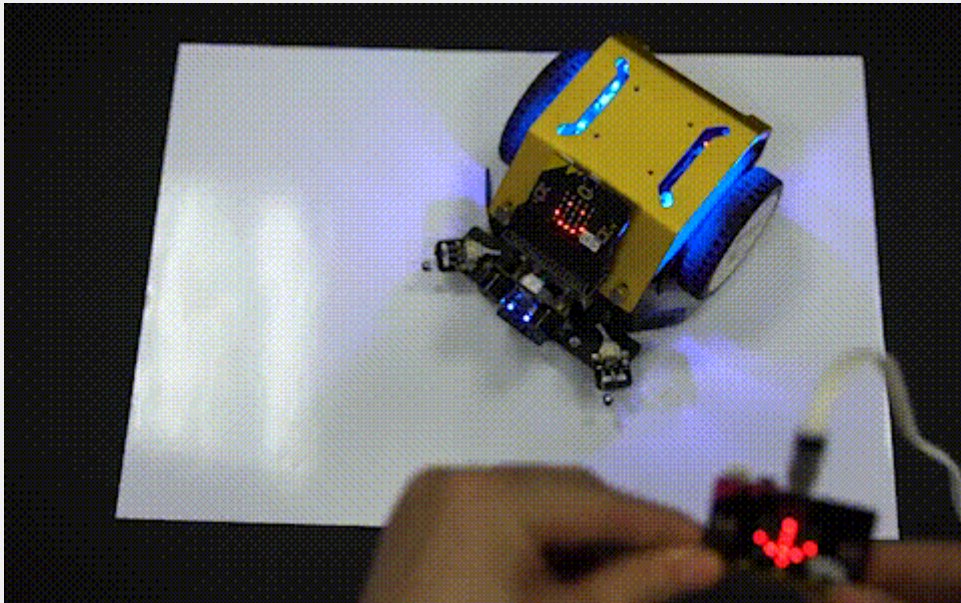
Scratch



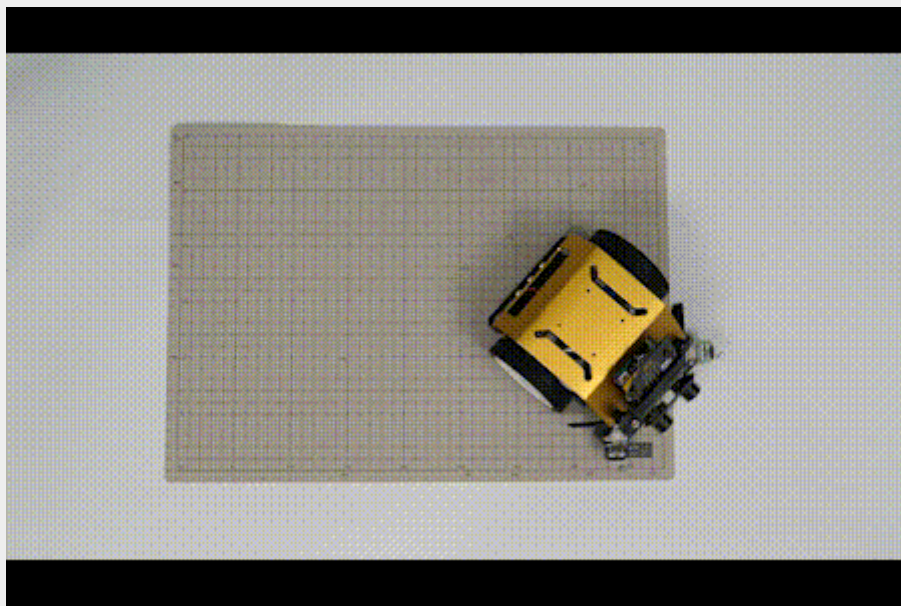
MicroPython

Based on [micro:bit](#) platform. Program Max:Bot with Scratch, MakeCode block editor, Python or JavaScript. Available from PC, Mac, IOS and Android devices.

APPLICATIONS



Track Line



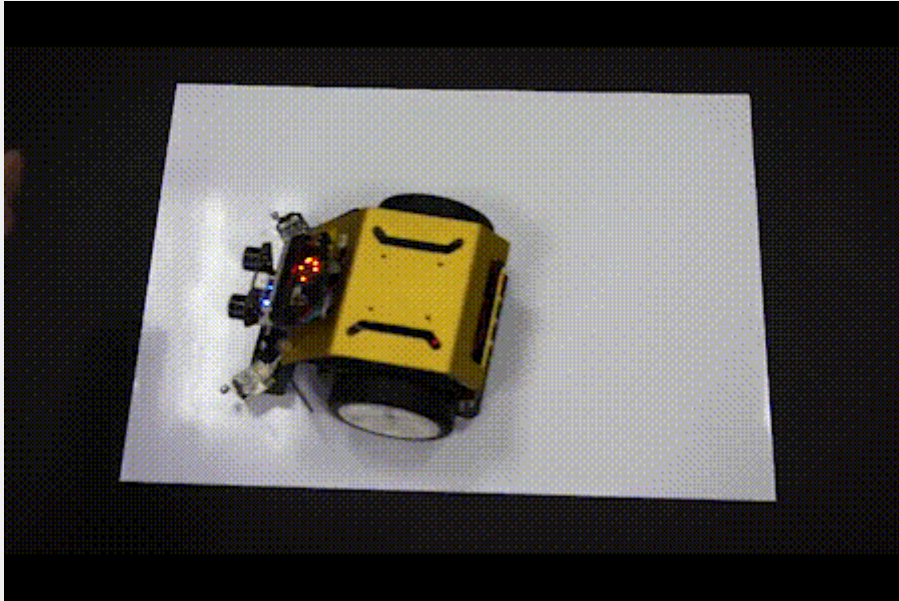
Chase Light



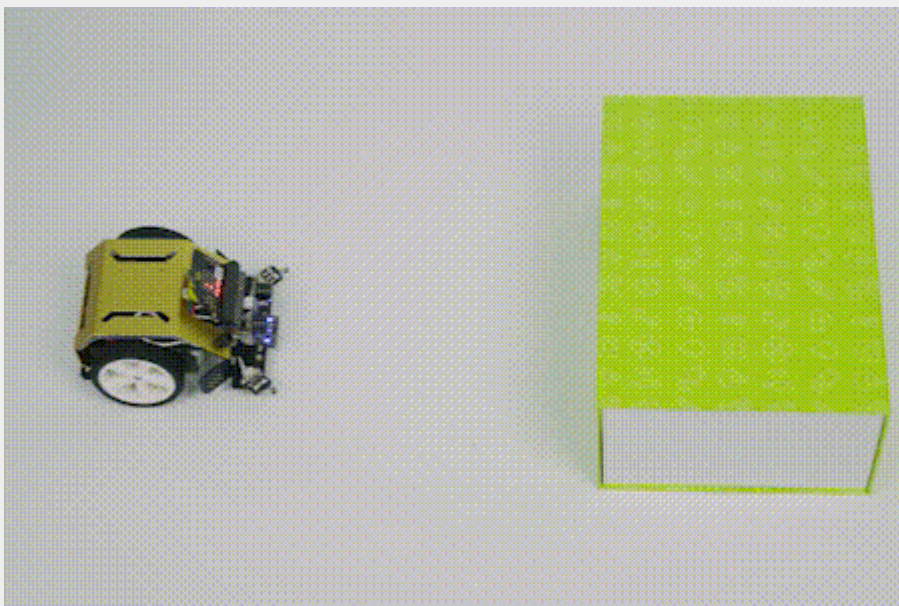
Detect Collison



Detect Edge



Remote Control



Avoid Obstacle

DIY Programmable Robot Kit

Max bot, Kit de robot programable para niños

SPECIFICATION

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

- Maximum Current: 500mA
- Micro USB Power Supply voltage: 5V
- Working Temperature: 0-60 °C
- Net Dimension: 200*150*100 mm
- Package Dimension: 250*130*150 mm
- Weight: 1250g