Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
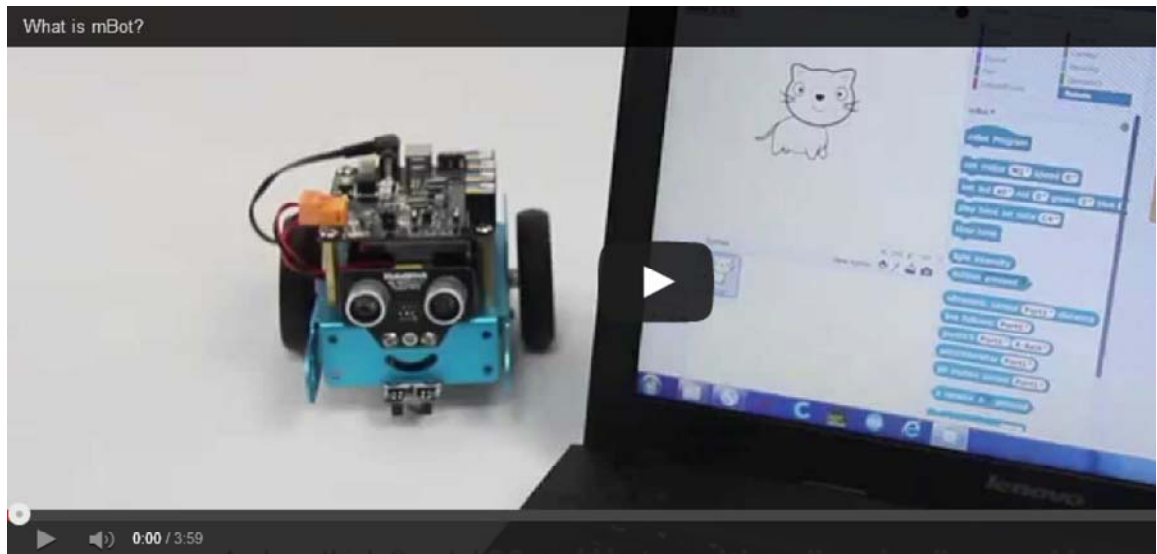
Contact us

mBot-Blue(Bluetooth Version)
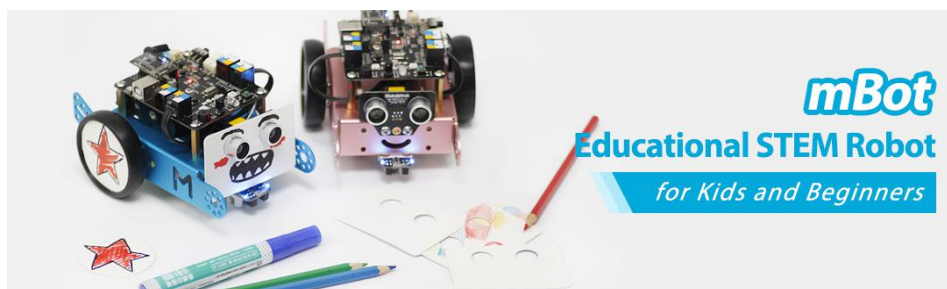**SKU: 110090038**

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Description

mBot is a low cost, easy-to-run robot kit for kids to get hands-on experience about graphical programming, electronics, robotics. It is an all-in-one solution for robotics learning and designed for STEM education.

Cute shape with easy assembly is our goal. mBot contains only about 45 pieces in total, so it is easy to have a sense of achievement for kids to assemble in 10 mins quickly.
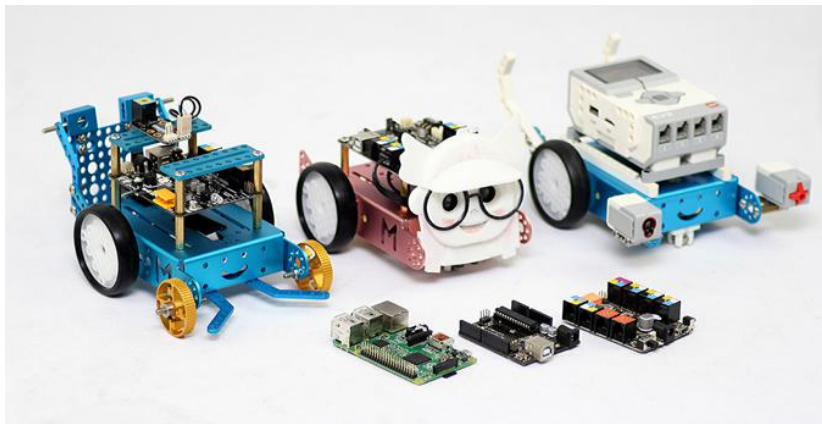

Features:

- Easy to assemble within 10mins
- Electronics are based on Arduino open source platform

- Supports IOS&Android App. Suitable for individual users and family
- Two programming tools: Arduino IDE and mBlock, a drag-and-drop programming tool based on Scratch 2.0
- Bluetooth or 2.4GHz wireless module included, without wire limited
- Easy and intuitive wiring with color-coded RJ25 connector
- 2 mm thick aluminum chassis, strong and compatible with Makeblock & Lego parts
- Free lessons are provided and increasing continually
- Achieve dierent fun projects like Wall avoidance, line following, games with other mBots, using sensors to play games in Scratch.

Applications:

- Build a wall avoidance robot
- Build a line follower robot
- Play some musical tones.
- Control the robot by remote control provided or standard TV remote
- IR communication with other mBots for robotic cooperation like dancing.
- Interact with Scratch, using sensors to play games and stories in Scratch 2.0.
- Controlled by App to play football or fight!

And more with Raspberry Pi or standard Arduino...

Specifications:

	Specifications
Software and programming	mBlock(graphical) based on Scratch 2.0 - Mac, Windows
	Arduino IDE
Inputs	Light sensor, button, infrared receiver, ultrasonic sensor, line follower
Outputs	Buzzer, RGB LED, Infrared emitting, two motor ports
Microcontroller	Based on Arduino Uno
Power	3.7VDC lithium battery(charger on board) or four 1.5V AA batteries(not included)
Wireless Communication	Bluetooth(Bluetooth Version)
	2.4GHz wireless serial(2.4G Version)
Dimensions	17 x 9 x 9 cm assembled
Weight	340g assembled

Part List:

2 × Micro TT motor	1 × Universal wheel	1 x Me Ultrasonic sensor
1 × mCore	15 × Socket Cap Screw M4 x 8	1 x Me Line follower
2 × 90T Plastic Wheel	6 × Countersunk Screw M3 x 25	1 x Bluetooth module(dual mode)
2 × Tyre 90T B	8 × Nut M3	1X Instruction Book
2 × Velcro	4 × Self-drilling Screw M2.2 x 9.5	1X Line follower map
4 × Brass stud M4 x25	2 x 6P6C RJ25 cable-20cm	1 x IR Controller
1 × Chassis	1 x USB A-Male to B-Male Cable 1m	
1 × Battery holder 4 AA	1 × Screw driver	