



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!



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Bit:Bot - Robot Kit for Micro:Bit

SKU 114991414

Description

Fully-integrated robot for the micro:bit.

This (almost) ready-assembled robot requires no soldering, no wires and nothing more than a screwdriver to complete it.

The Bit:Bot fully engages children and adults alike, allowing you to explore and code the micro:bit using any of the languages available (not all features are supported in all languages).

Features:

- 2 micro-metal gear motors. Both fully controllable in software, for both speed (0 to 100%) and direction (forward or reverse)
- Wheels with rubber tyres for maximum grip
- Really smooth metal ball front caster
- 12 mini neopixels in 2 sets of 6 along the arms either side. Select any colour for any pixel, produce stunning lighting effects as your Bit:Bot moves around
- 2 digital line-following sensors. Code your own line-following robots and race them to see whose code produces the fastest lap time!
- 2 analog light sensors (front left and front right) so your Bit:Bot can be programmed to follow a light source such as a torch, or you could code it to go and hide in the darkest place it can find
- Buzzer, so you can make beeping sounds whenever you want
- Powered from integrated 3xAA battery holder with on/off switch and blue indicator LED
- Easily plug your micro:bit in and out using the edge connector
- Expansion connections at the front for additional sensors (ultrasonic rangefinder available now, more in development)

Includes an ultrasonic distance sensor (rangefinder) module.

Note: micro:bit is NOT included!

Technical Details

Dimensions	188mm x 123mm x 24mm
Weight	G.W 151.5g
Battery	Exclude

Part List

Driver Board (assembled motor)	1
wheel	2
battery case	1
nuts	4
screws	4
Ultra Sonic range module	1
Omni-directional wheel kit	1