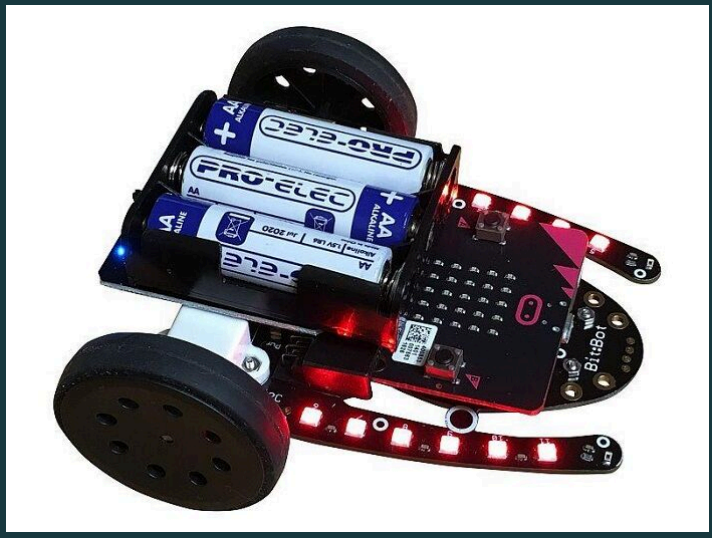
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INDUSTRIAL PRODUCT DATASHEET

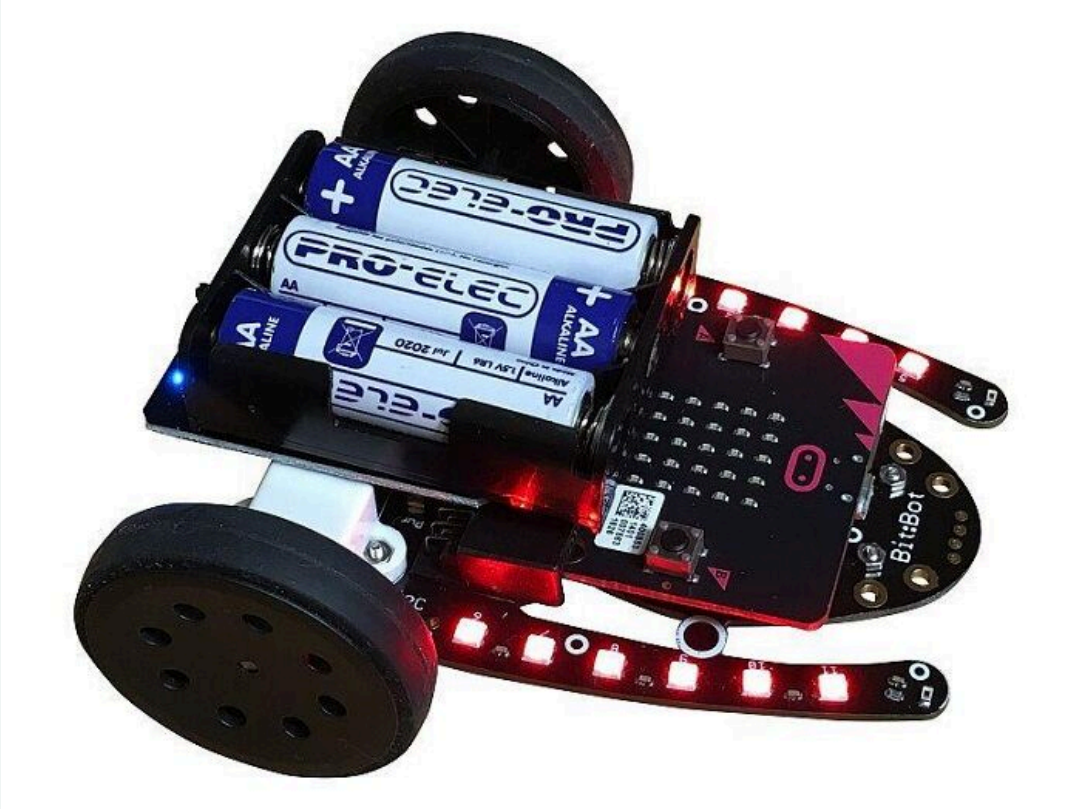
Bit:Bot - Robot Kit for Micro:Bit

Bit:Bot: A fully-integrated, screwdriver-only robot kit for micro:bit featuring motors, neopixels, sensors, and an ultrasonic rangefinder.

SKU	UPDATED	PRICE
114991414	2025-11-07 02:26:12	$49.95(Excl. VAT)



Overview



The Bit:Bot is a fully-integrated robot kit for the micro:bit that requires no soldering or wires, and can be assembled with just a screwdriver. It features two controllable motors, 12 mini neopixels, line-following and light sensors, a buzzer, and an ultrasonic distance sensor, powered by a 3xAA battery holder.

Key Features

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:

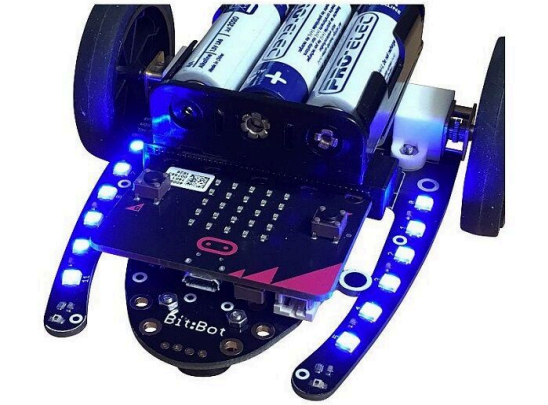
- 2 micro-metal gear motors. Both fully controllable in software, for both speed (0 to 100%) and direction (forward or reverse)
- Wheels with rubber tyres for maximum grip
- Really smooth metal ball front caster
- 12 mini neopixels in 2 sets of 6 along the arms either side. Select any colour for any 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)

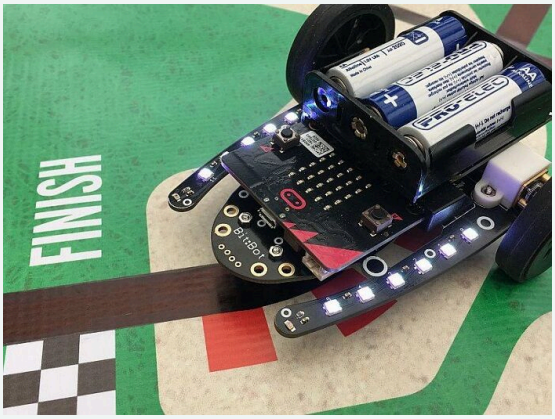
Includes an ultrasonic distance sensor (rangefinder) module.

Note: micro:bit is NOT included!

Product Gallery







Part List

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

Compliance & Logistics

HSCODE	9023009000
USHSCODE	9503000090
COO	UNITED KINGDOM

Resource Links

- https://www.seeedstudio.com/Bit-Bot-Robot-Kit-for-Micro-Bit-p-3015.html

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