



Kitronik Inventor's Kit for the BBC micro:bit (Spanish version)

Description

Stock code: 5603-ES

Note:

- This version of the Inventor's Kit includes a manual in Spanish.
- The BBC micro:bit is NOT included.

The BBC micro:bit Inventor's Kit is a great way to start programming and interfacing with hardware using the BBC micro:bit. This Inventor's Kit contains everything you need to complete 10 experiments using LEDs, motors, phototransistors, and capacitors.

To get you started quickly, we've included an easy-to-follow tutorial, which will guide you through everything you need to know to program the BBC micro:bit. You don't need any programming experience as the tutorial will walk you through each step. You'll be programming and creating circuits in no time!

The Kitronik Inventor's Kit for the BBC micro:bit provides a fantastic way to learn how to build and control electronic circuits. The BBC micro:bit has a selection of pins that are located on the bottom of the board. Using our adapter board for the BBC micro:bit along with the breadboard, it is easy to use the pins to connect additional components to the BBC micro:bit.

The Inventor's Kit offers a great introduction to the world of electronics. The included experiments demonstrate how programming and electronics come together to create practical solutions to real problems. Harnessing the power of elements, using sensor data to respond with action, and using varying amounts of input data to effect gradual change are just some of the things you'll learn as you go through the experiments. .

To consider:

- This kit requires assembly.
- No soldering is required and you can build your first circuit in minutes!
- This kit does not include the BBC micro:bit.
- If you purchase the BBC micro:bit separately, you may need to purchase a battery holder and USB cable , depending on which micro:bit option you have purchased.

Characteristics:

- No soldering required. Build your first circuit in minutes!
- Ten experiments in Spanish included in the supplied manual.
- All components needed to complete all 10 experiments are included (shown below).
- Access to all 21 pins of the BBC micro:bit is made easy, using the edge connector adapter plate (included).
- A small breadboard is included for rapid prototyping.

Contains:

- 1x mounting plate.
- 1 x Potentiometer - vertical type 100K .
- 1 x Adjustment shaft for the potentiometer .
- 1 x Double-sided adhesive strip for the battery box.
- 1 x Prototyping Breadboard .
- 1 x terminal connector .
- 4 x Push button .
- 1x Engine .
- 1 x Transistor .
- 2 x 5mm red LEDs .

- 2 x 5mm orange LEDs .
- 2 x 5mm yellow LED .
- 2 x 5mm green LED .
- 1 x 5mm RGB LED .
- 1 x Fan propeller .
- 5 x 2.2K Ω resistor .
- 5 x 10K Ω resistor .
- 5 x 47 Ω resistor .
- 1 x Edge connector adapter plate for BBC micro:bit .
- 10 x Male to Male Jumper Wires .
- 10 x male to female jumper .
- 1 x 470 μ F capacitor .
- 1 x Piezoelectric Buzzer .
- 2 x M3 Phillips socket head screw .
- Depending on the version of the manual that comes with your Inventor's Kit, it will have one of two components:
- 1 x Light Dependent Resistor . For versions prior to V1.7.
- 1 x Phototransistor. . For versions later than V1.7.

Requires:

- 1 x BBC micro:bit .
- 1 x Phillips screwdriver.
- 1 x Small flat screwdriver.
- 1x Micro USB Cable.

All experiments included in this manual (listed below) are based on the Microsoft Makecode software editor. In addition we have prepared a sample MicroPython code for each experiment and video resources with guidance and hints to help complete the experiments.