

Micro Bit

*buy a micro USB cable to connect to Mac

1. connect to computer using micro usb cable
2. Can program using [Python](#) editor
3. Must download the .py file of your code as a hex file that the micro:bit can read
4. Drag this file (or copy it) to the micro:bit (can do this just like any USB device)
5. Yellow blinking LED means the micro:bit is being programmed with your code
6. Once finished uploading the code will run automatically
7. Can also [code from a mobile phone](#) using bluetooth!

Website has lots of projects [ideas](#)

Micro Maqueen

Robot device that inherits micro:bit code/programming when connected, batteries in, and switched on.

Specs:

- metal body with gear motor and bearing wheels
- 3 AAA battery holder attached with double sided adhesive tape
- One ultrasonic sensor
- 2 plastic & rubber wheels

Projects to try:

- Moving
- Line tracing
- Ultrasonic object detection & avoidance
- Noise sensors
- Light sensors

Micro game controller

A remote controller that also connects to a micro:bit and can be used wirelessly to control other micro:bit devices.

Specs:

- 8 programmable buttons (up, down, left, right, X, Y, A, and B)
- Vibration motor
- LED
- Buzzer
- 2 acrylic panels
- Battery box & cover

