

Boson Starter Kit for micro:bit

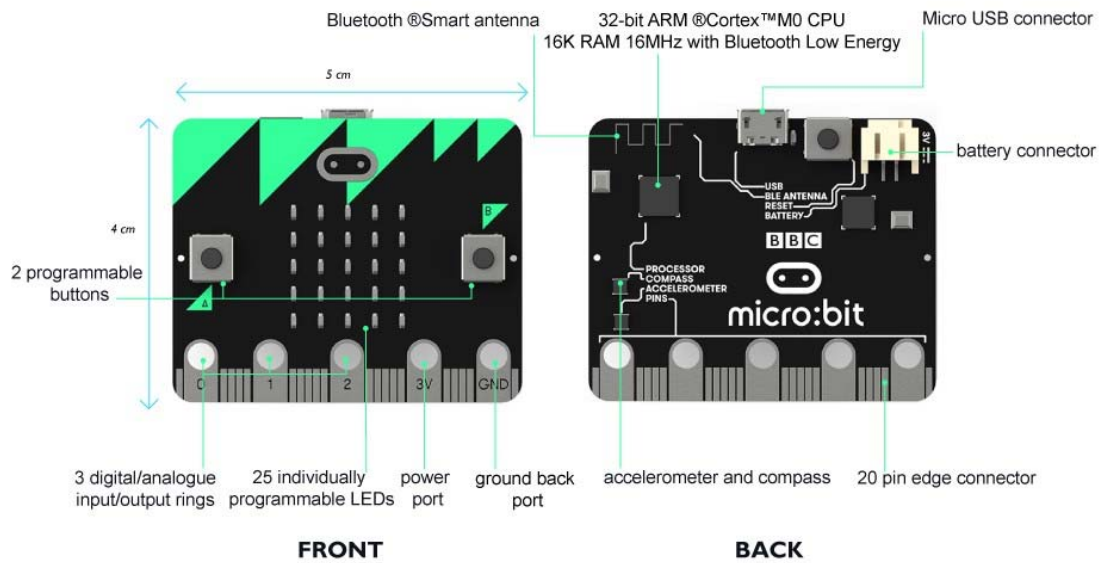
SKU:TOY0086



INTRODUCTION

Boson Starter Kit for micro:bit is currently in the status of pre-order and will be shipped in the end of October.

micro:bit is a pocket-sized microcontroller designed for kids and beginners to learn coding and electronics, letting them easily bring ideas into DIY digital games, interactive projects and robotics.



Micro:bit

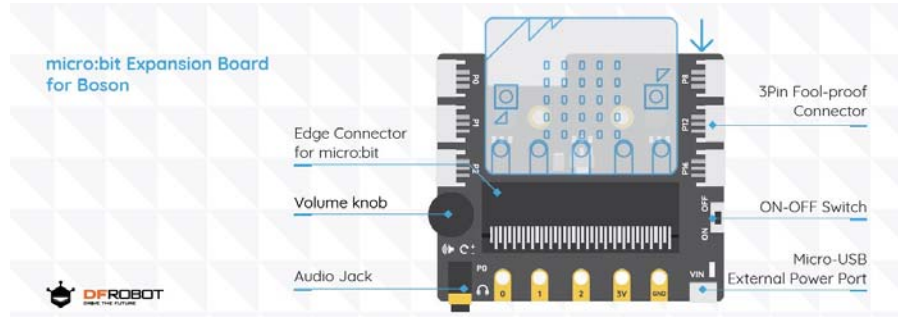
To explore even more possibilities with micro:bit, we have now combined it with DFRobot's Boson modules, a set of modularized electronic blocks, suitable for every kids to start their hands-on journeys of creation.



DFRobot's Boson starter kit for micro:bit includes 8 well selected modules, covering most popular digital and analog sensors and actuators, supporting sound, light and motion interaction. Modules communicates to micro: bit via **3-Pin interface** and are perfectly compatible with Microsoft MakeCode JavaScript online Editor and Python Editor.

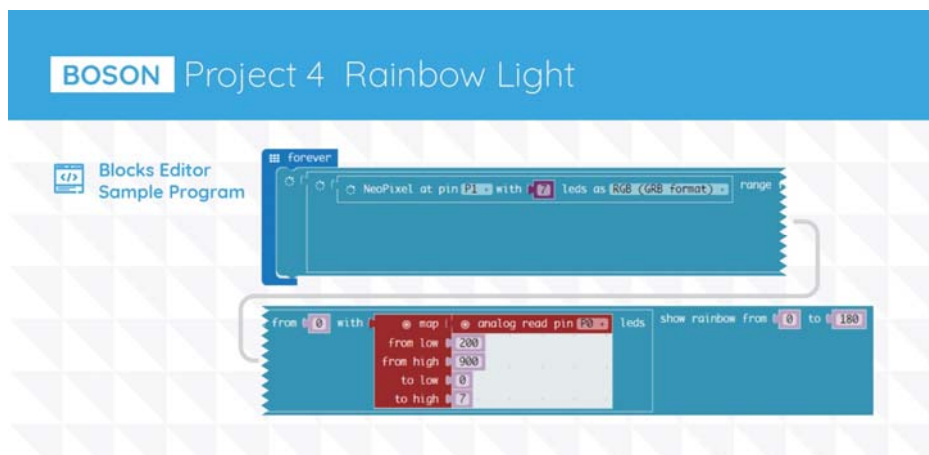
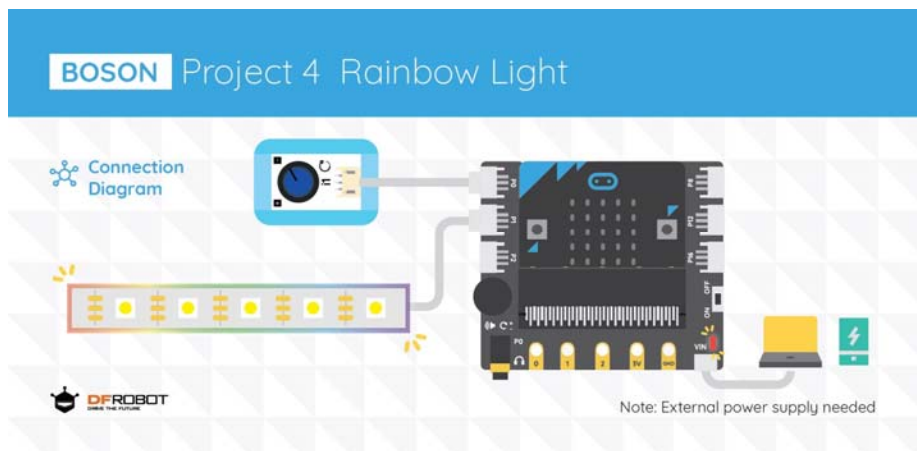
Click the link to learn more about DFRobot's Boson module <https://www.dfrobot.com/boson>

The micro:bit expansion board for Boson is used to hoop up Boson modules to micro:bit. The expansion board comes with an edge connector, 6 fool-proof 3-Pin sockets, a 3.5MM headphone jack and a volume knob. Moreover, to ensure a steady current supply for motor and servo, the expansion board can be powered externally through the USB power port.



Note: USB power port CANNOT be used to upload program.

To help you easily understand the usage of each module, the kit is provided with a quick start guide, including 4 basic projects with wiring and sample codes. Walk through the guide and create your own invention!



Note: micro:bit is NOT included in the kit. You will need to purchase separately.

FEATURES

- Designed for micro:bit
- 8 most popular electronic modules with tutorial
- Compatible with Lego, screws, Velcro, magnets and more

SPECIFICATION

- Module Input/output Voltage: 3.3V
- Maximum Current: 500mA
- MicroUSB Power Port Voltage : 5V
- Working temperature: 0-60 °C
- package size: 250*190*57 mm/ 9.84 * 7.5 *2.24 inches
- Weight: 492g

SHIPPING LIST

- micro:bit expansion board for Boson kit x 1
- Red Push Button x 1
- Red LED Light x 1
- Rotation sensor x 1
- Sound Sensor x 1
- Motion sensor x 1
- Mini Fan Module x 1
- Mini Servo x 1
- RGB LED strip x 1
- Micro USB Cable x 1
- 3-Pin Cable (Long) x 1
- 3-Pin Cable (Medium) x 1
- 3-Pin Cable (Short) x 1
- Quick Start guide x 1