

MBIT105

KIT VALISE EXPERIMENTAL 14 COMPOSANTS POUR MICRO BIT

micro:bit

Experiment Box kit

Easy to learn programming, quick introduction to electronic knowledge



Portable design

Portable design with all components in the box to avoid missing.



Packing list



- 1:Experiment box
- 2:Specification
- 3:Tiller

- 4: Banana line x 12 (red x 3) (green x 1)
(blue x 1)(black x 3)
(yellow x 5)

What is Experiment Box?

ELECFREAKS experiment box is a multifunction box experiment equipment which is based on professional experimental equipment and the actual physics learning situation.



Circuit design



Professional teaching Aids



For 9+ children



First and unique



Component Catalogue

Servo
Control the movement of things! From robot arms to construction cranes.

Battery Packs
Holds two AAA batteries.

Rainbow LED
Make a beautiful display of colour with this ring of 8 RGB Leds, all together or even one by one.

RGB LED
May need a little more wires than a normal LED but mixing your own dazzling colours is worth it!

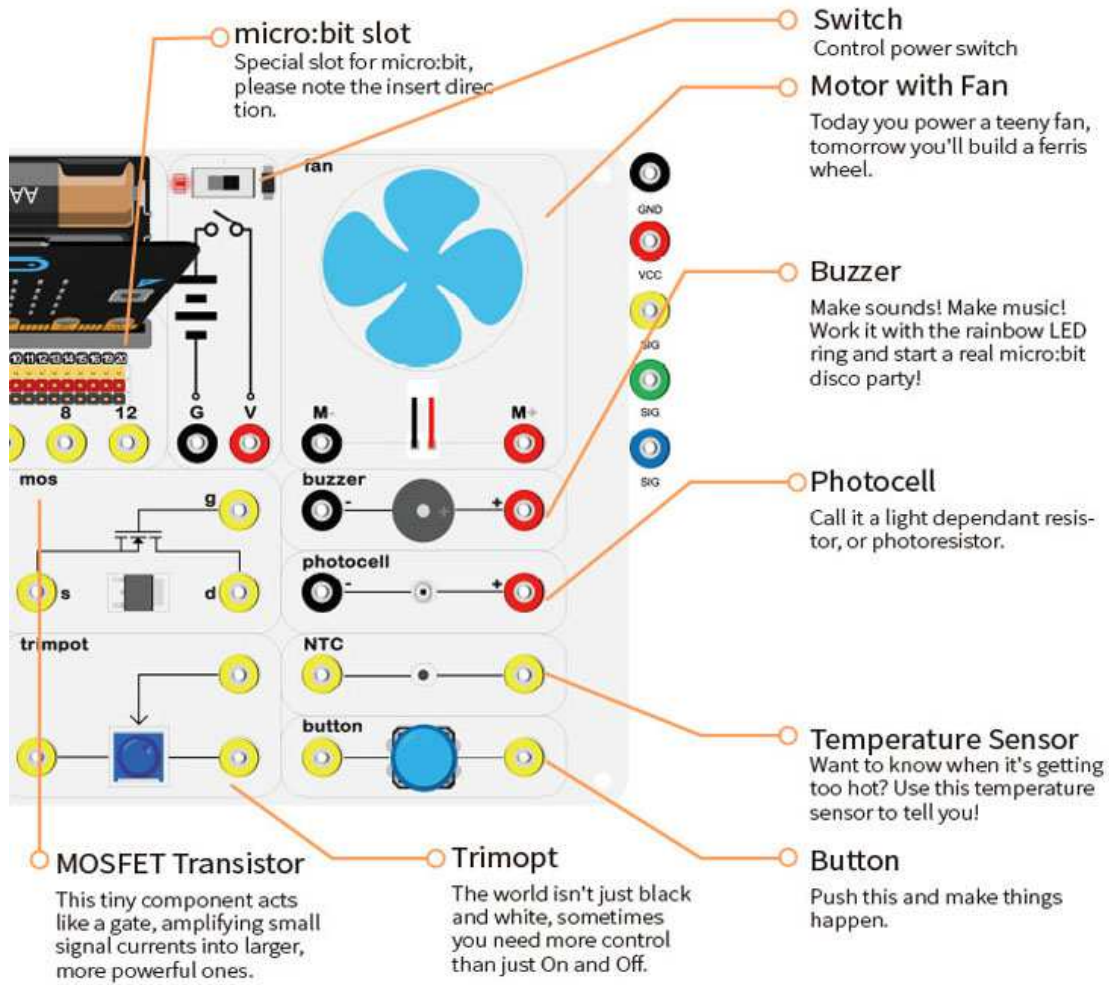
LED
The micro:bit has 25 tiny red LEDs already? Here's another big one to light more up!

Self-locking Switch
Ever wanted a button that stayed down even when you took your finger off it? This is it!

Resistor
Resistors limit the amount of current flowing through a circuit - great to stop your projects from blowing up!

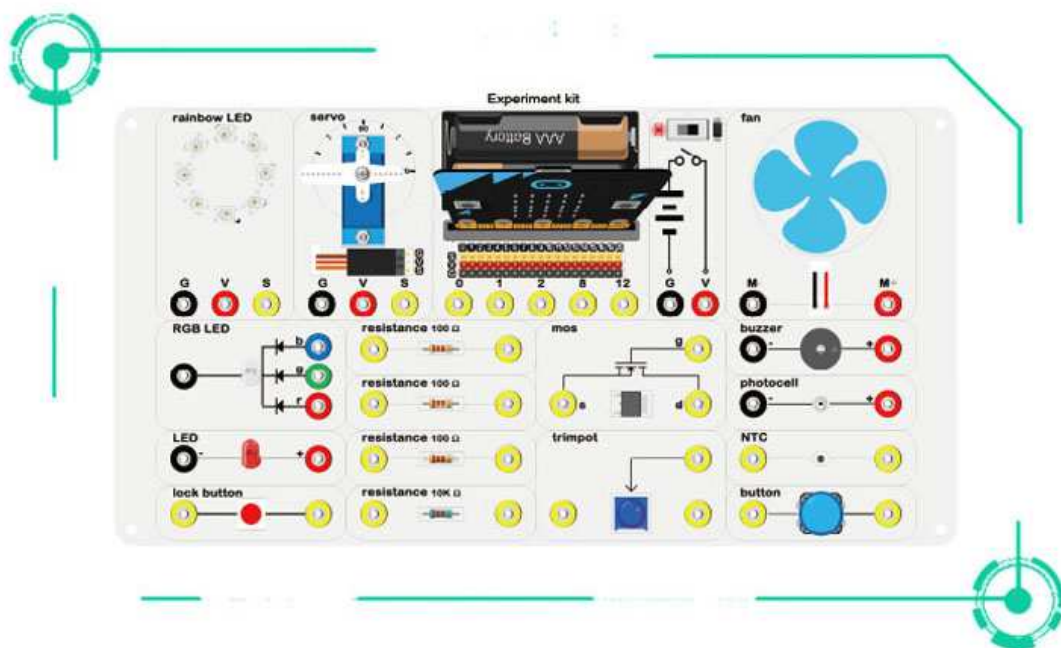
The central image shows a micro:bit board with the following components connected:

- rainbow LED**: A ring of 8 small LEDs.
- servo**: A blue servo motor connected to pins G, V, and S.
- Battery Packs**: A black battery pack connected to pins G, V, and S.
- RGB LED**: A single RGB LED connected to pins G, V, and S.
- LED**: A large red LED connected to pins G and V.
- lock button**: A red self-locking button connected to pins G and V.
- resistance 100 Ω**: Three resistors connected to pins G and V.
- resistance 10K Ω**: One resistor connected to pins G and V.



circuit design connect

For this Experimental Box, you'll use banana plug wires to connect different components. These wires are easy to insert and pull out yet still create stable connections. Meanwhile, using banana plugs lays a foundation for further circuit design.



- Learning circuit knowledge and completing circuit design without micro:bit.
- Matching professional education equipment and lay a foundation for further advanced circuit learning.

Universal Joint

The banana line and the joint are common connection which be widely used for power, signal detection, mutimeter, lead test and circuit boards maintenance.

