



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





## **BOSON Inventor Kit**

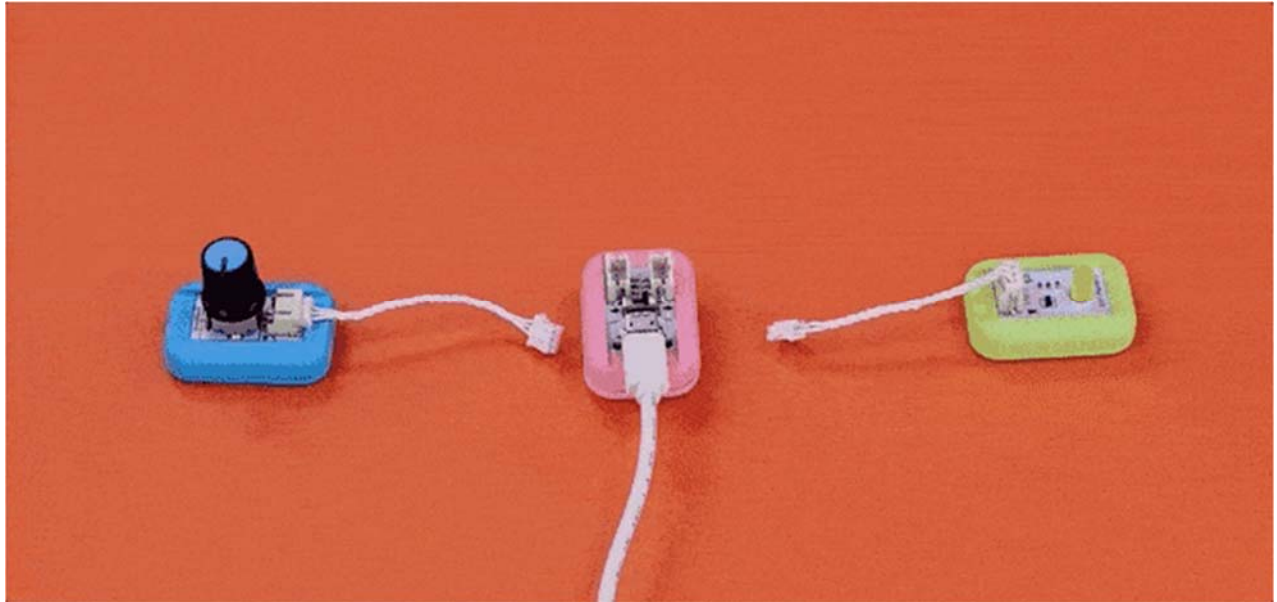
SKU:TOY0083

### *INTRODUCTION*

DFRobot Boson Kit is a set of coding-free electronic building blocks for **young inventors, STEM educators and tinkerers.**

The Boson kit breaks down complicated circuits into simple, functional modules that are easy to understand. The kit requires no coding or soldering and is ideal as a STEM classroom teaching tool.





Boson modules have built-in magnets and can be used with screws, Velcro and even LEGO! Boson modules can be fixed on a wide variety of materials such as paper, wood, fabric, whiteboards or your own LEGO creations!



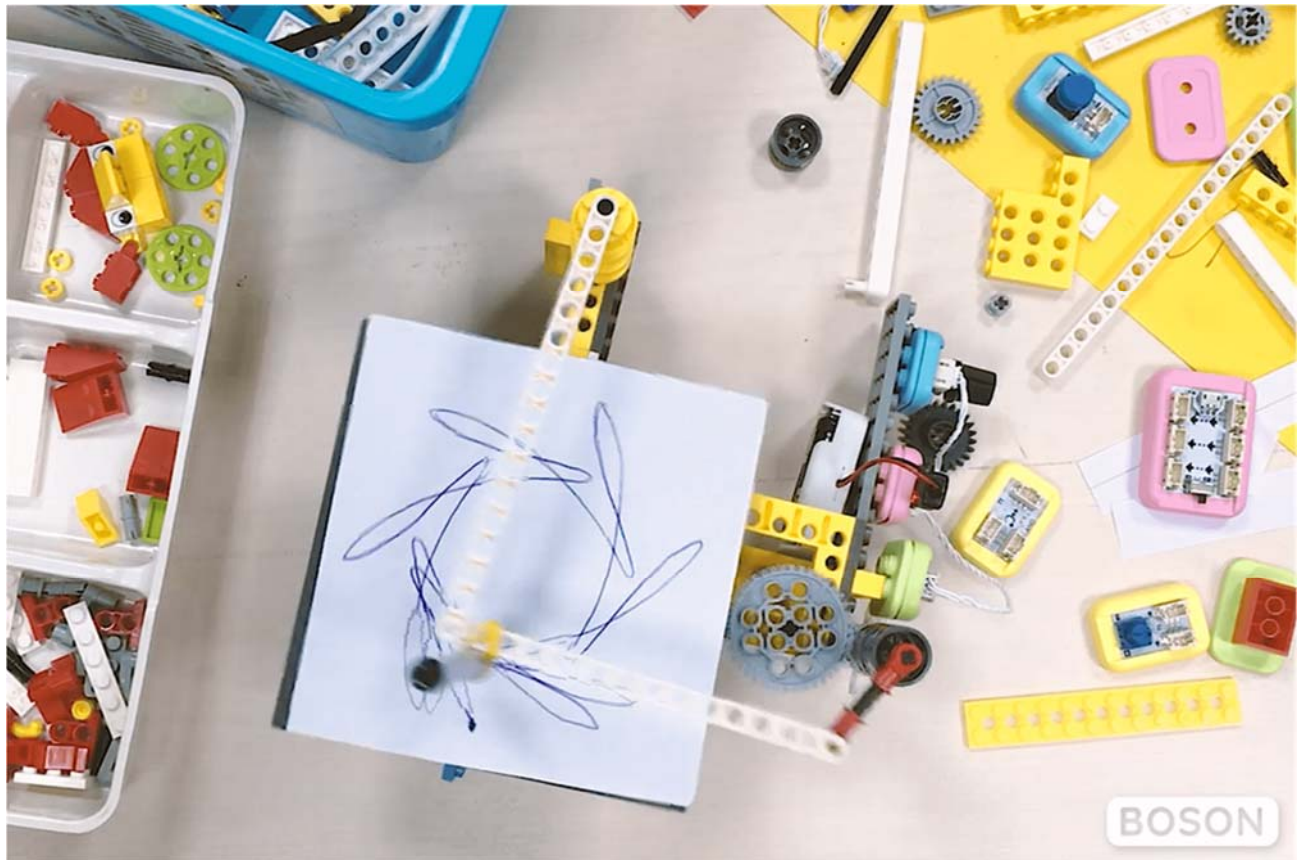


12 Activity cards that teach kids how to build interactive projects with LEGO blocks, wearable materials and attached cardboards instantly.





Infinite possibilities to be explored.



Software: DFScratch (Windows)

Power: 3.6~5V (3xAAA battery or 5V USB adapter)

Wireless communication: Bluetooth/Wifi

Dimension: 22x34mm & 34x48mm

**WARNING:**

Adult supervision is recommended for children under 8 years old.

## *SPECIFICATION*

- Dimension: 22x34 mm & 34x48 mm
- Package dimension: 130 x 220 x 300 (mm)

## *SHIPPING LIST*

### Input Modules

- Rotation Sensor x 1
- Push Button x 1
- Self Locking Switch x 1
- Light Sensor x 1
- Tilt Switch x 1
- Sound Sensor x 1
- Motion Sensor x 1

### Output Modules

- Ultra Bright LED x 1
- LED String Light x 1
- Buzzer Module x 1
- Voice Recorder Module x 1
- Motor Controller Module with Gared Motor x 1
- Servo Controller Module with Servo x 1

### Function Modules

- Logic Module-AND x 3
- Logic Module-OR x 3
- Logic Module-NOT x 3

- Splitter Module x 3
  - Threshold Module x 2
  - Reversible Counter Module x 2
  - Duration Module (0-60s) x 2
- Power

- Mainboard-3IO x 2
  - Mainboard-1IO x 3
  - 3xAAA Battery Holder x 1
- Accessories

- Activity cards x 12
- Project cardboard x 5
- MicroUSB Cable x 1
- Cable (5CM) x 20
- Cable (10CM) x 20
- Cable (15CM) x 20
- Velcro pack x 2
- Screw pack x 2

