



WeeeBot 3-in-1 STEM Robot Kit

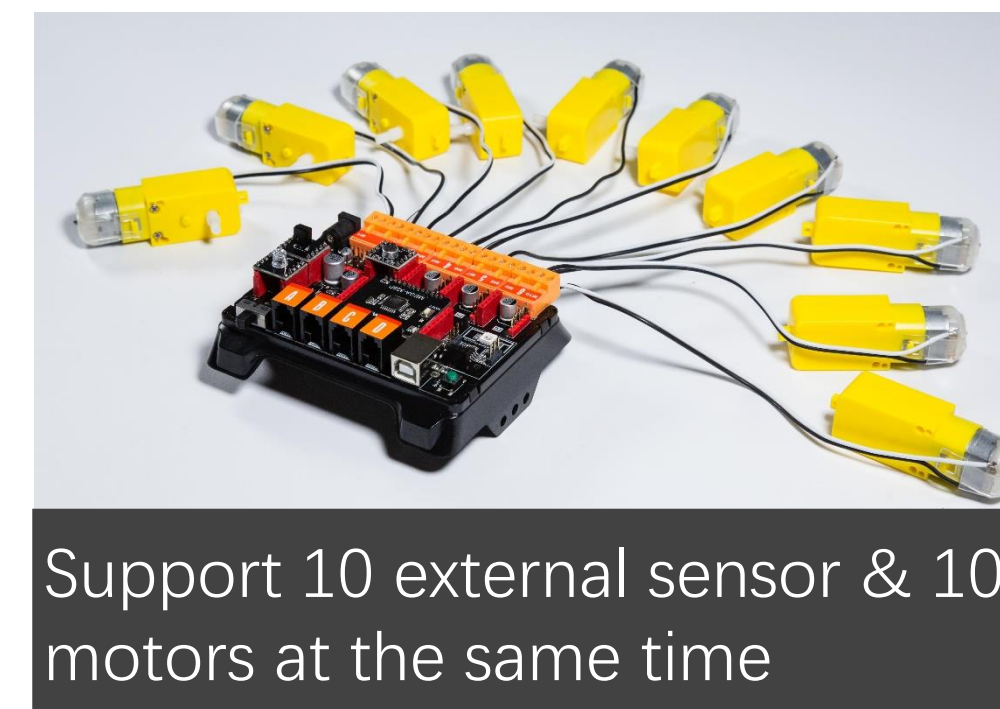
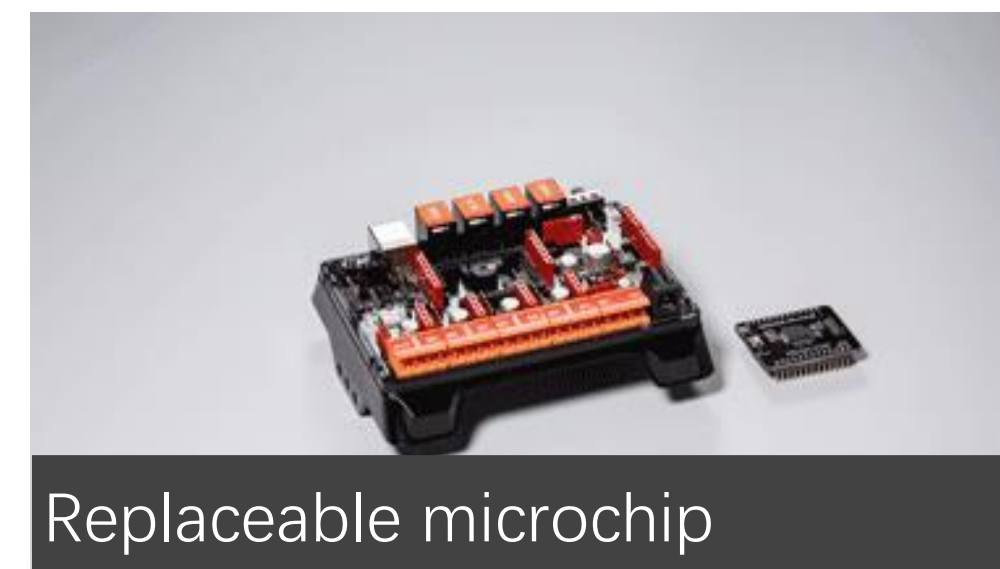
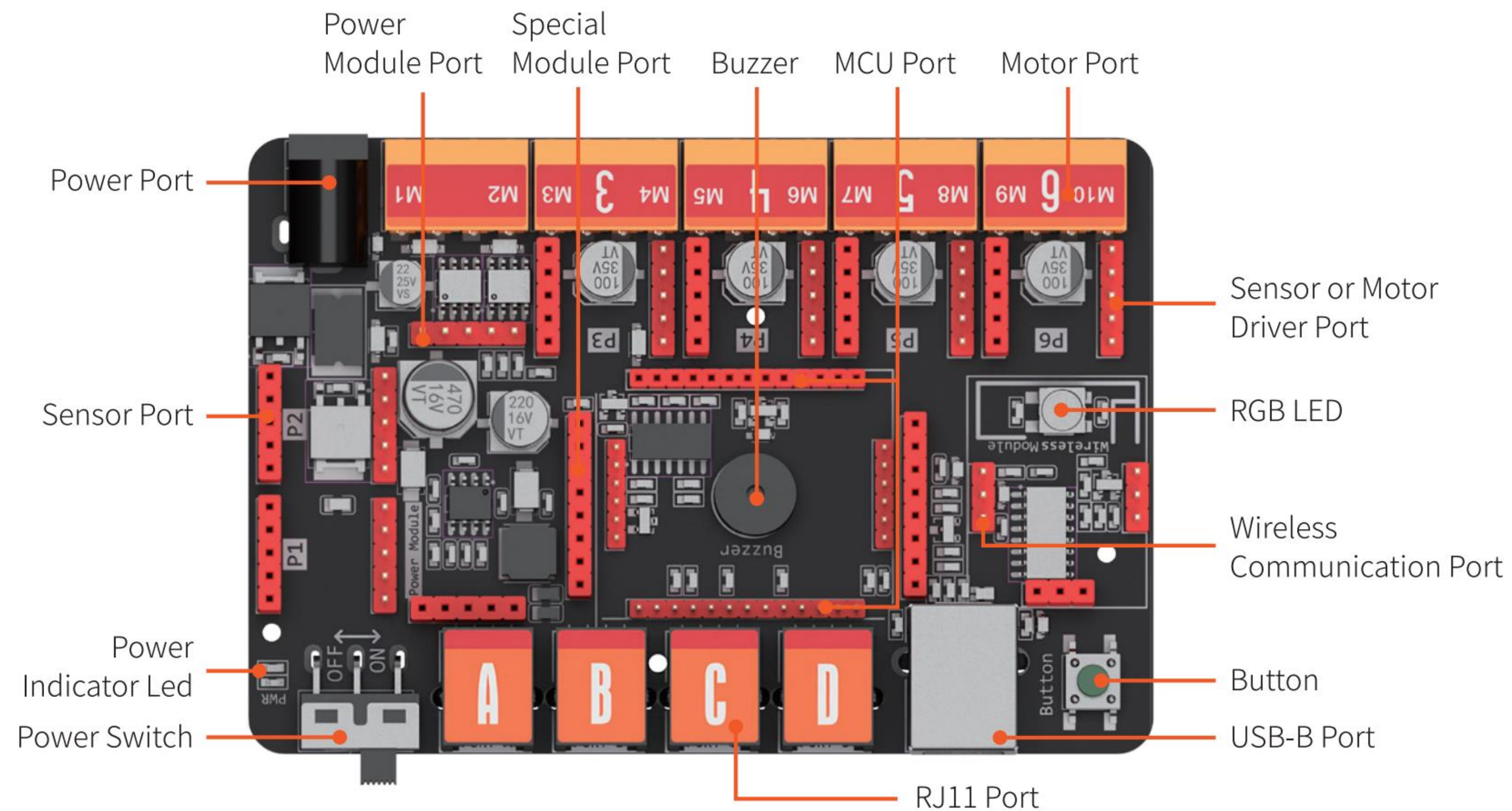
WeeeMake Co., Ltd.



What is WeeeBot

- WeeeBot is a **3-in-1** STEM robot kit that consist of powerful mainboard ELF, anodized aluminum mechanics, and smart modular electronics system.
- **3 modes to assemble:** WeeeBot Coding Car, Smart Lamp, Distance measuring robot.
- **10 controllable electronics**
- **Endless way to expand**
- **3 ways to control:** IR remote, Bluetooth via phone/tablet, Windows/Mac PC
- **9 mode to play:** assemble, race, auto drive, line-following, draw, light control, wheelie, sprint, code.

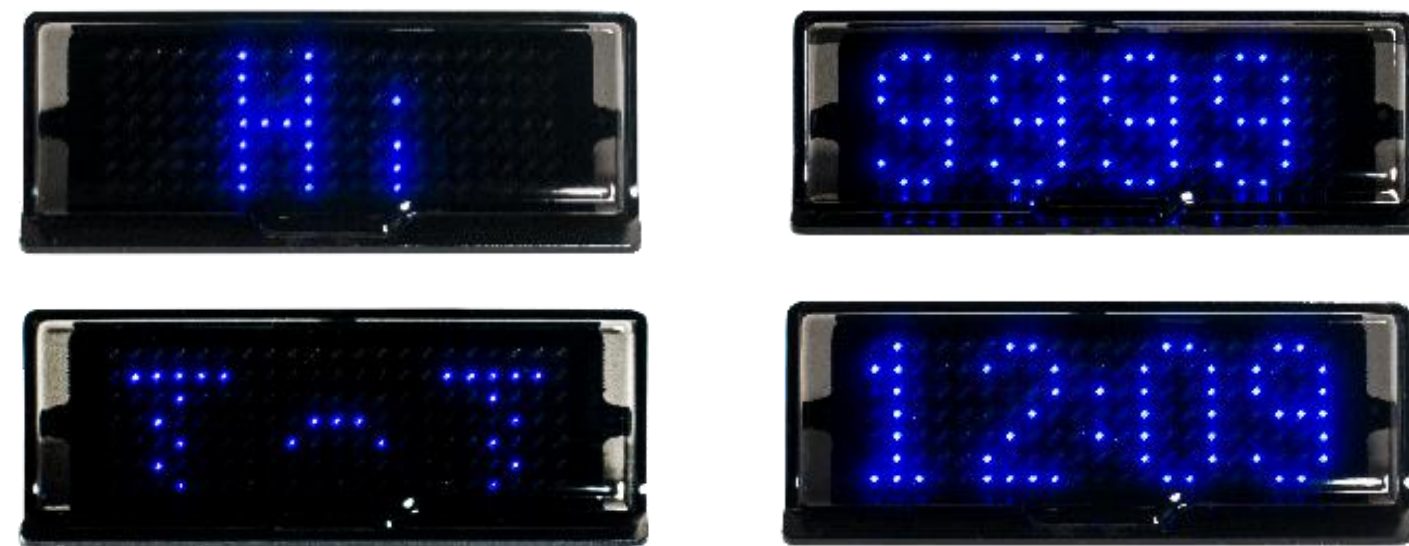
Powerful Mainboard ELF



10 Programmable Electronics

- 6 external sensors and modules

7*21 RGB LED Matrix



RGB Ultrasonic Sensor



Line-following Sensor



Light Sensor



IR Sensor

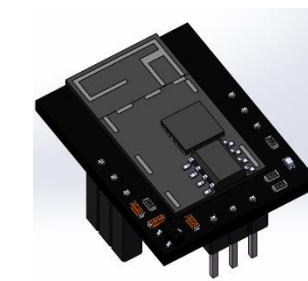


Sound Sensor

- 3 on-board sensors and modules

Button: external input
Buzzer: Create sounds
RGB LED: Display all color

- 2 in 1 communication module



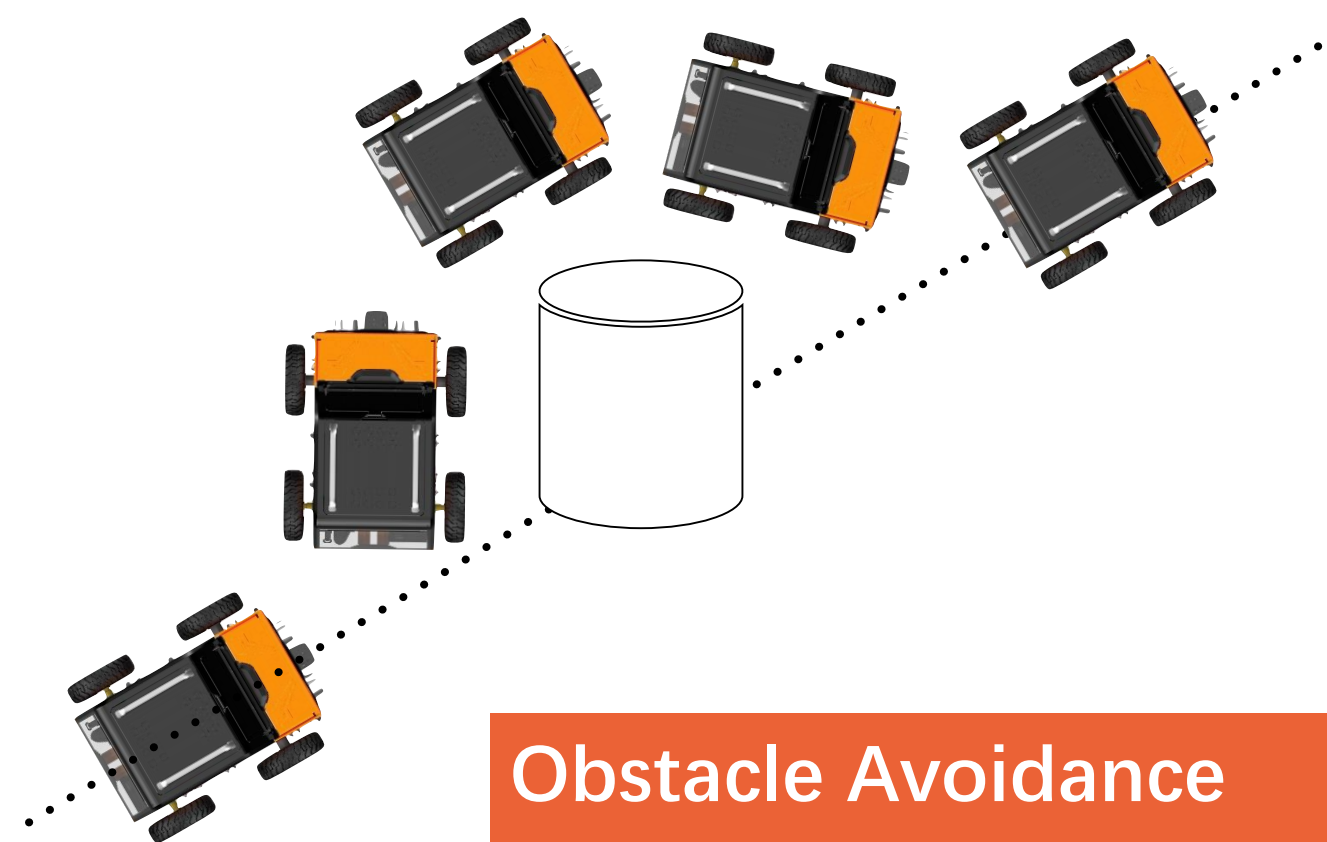
Use Bluetooth connect smart device.



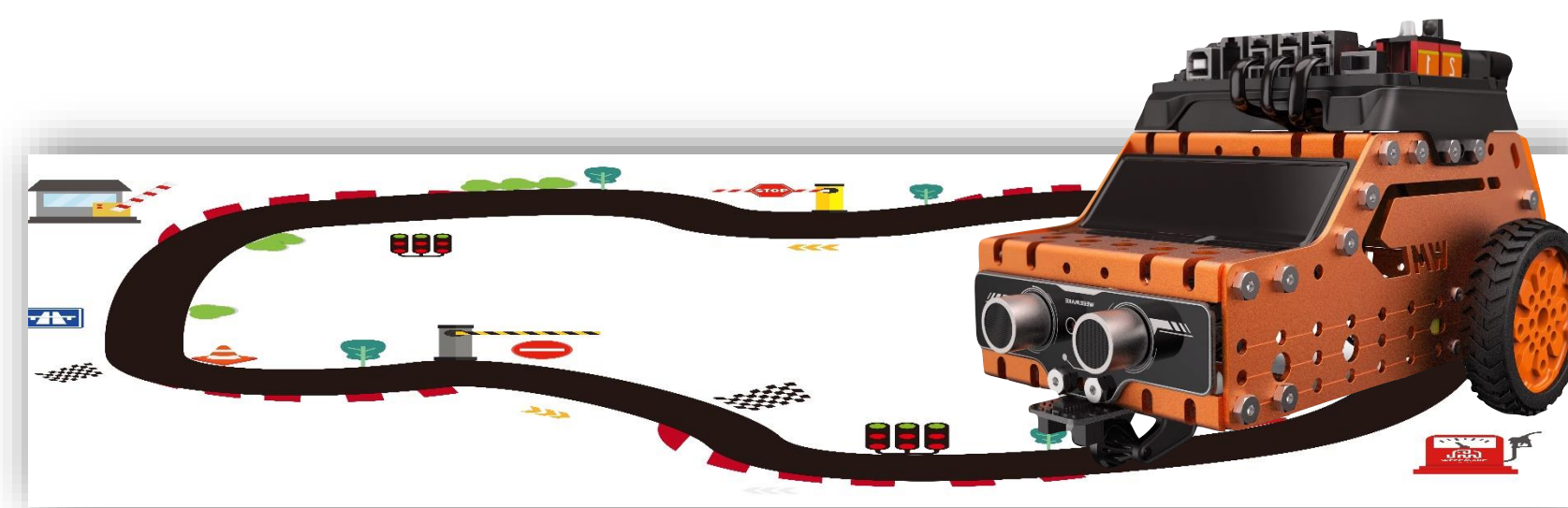
Plug dongle on computer, establish one to one 2.4G wireless connection.



How to Play with WeeeBot?



Obstacle Avoidance



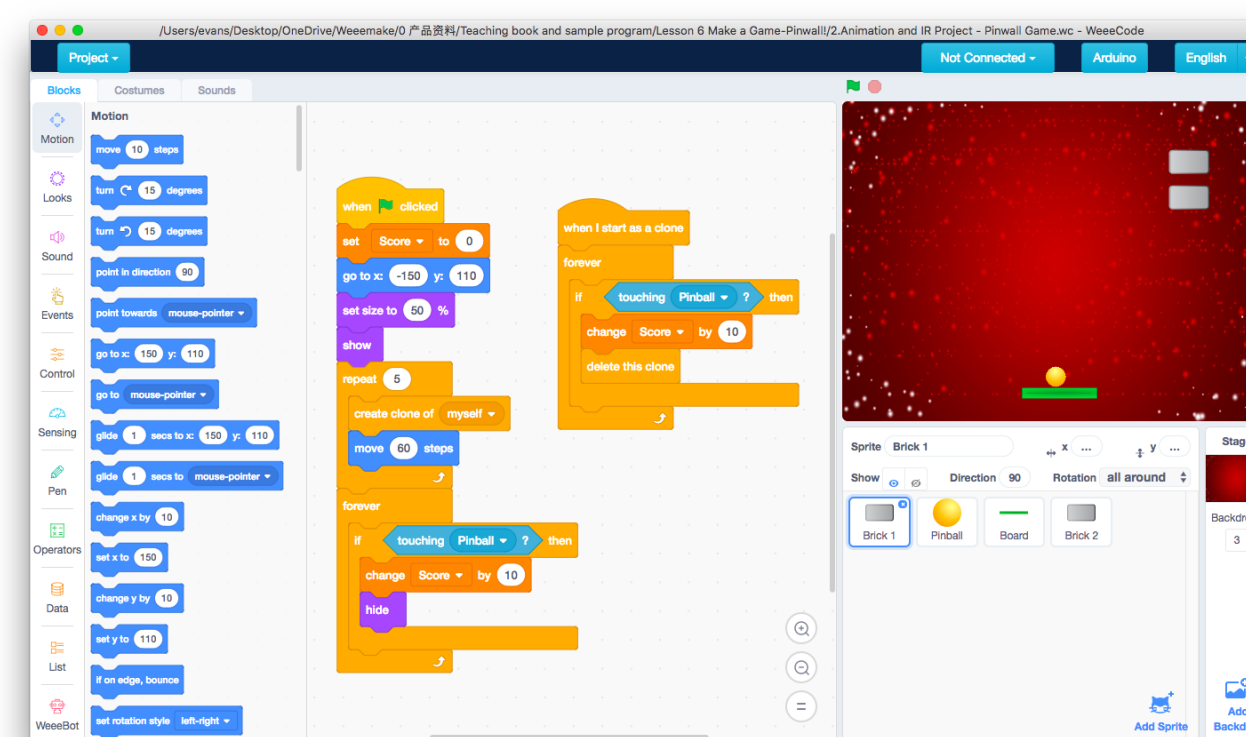
Line-following



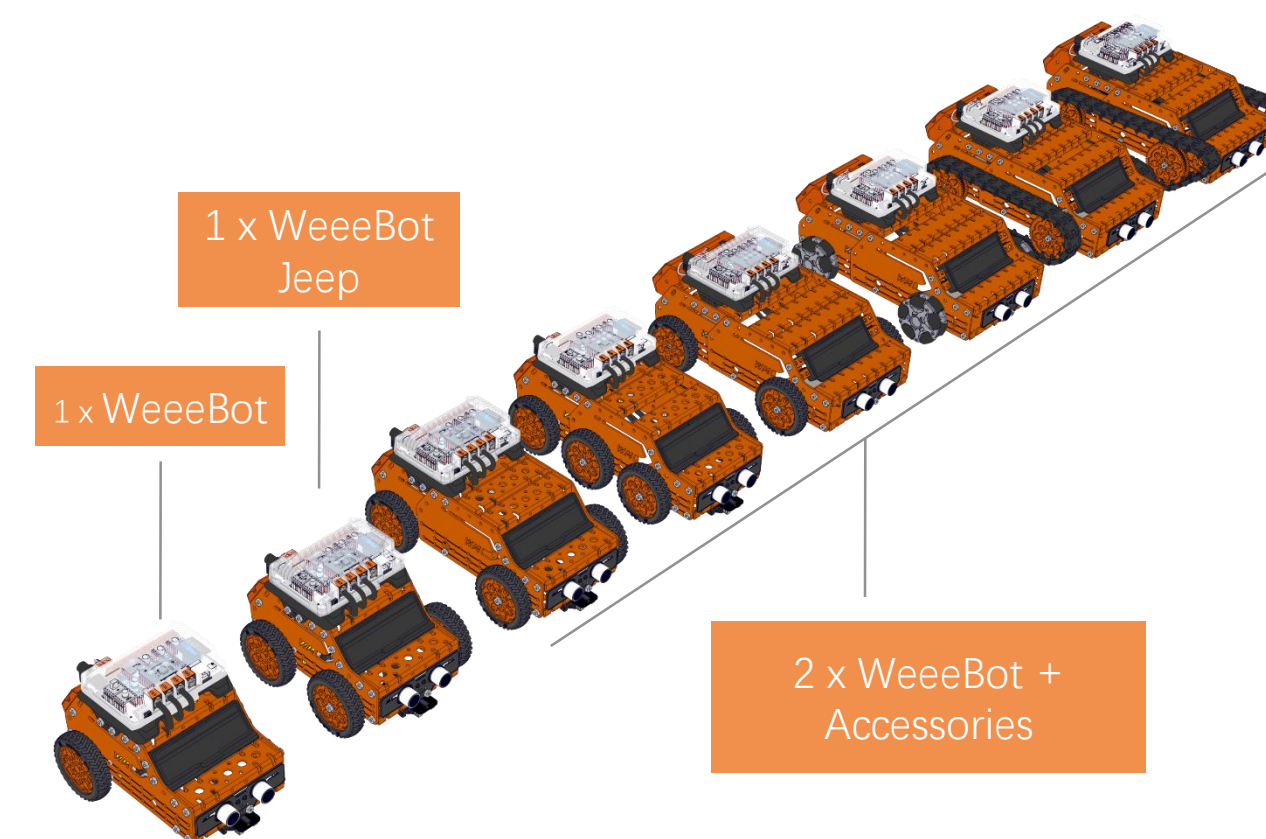
Manual Mode



Draw



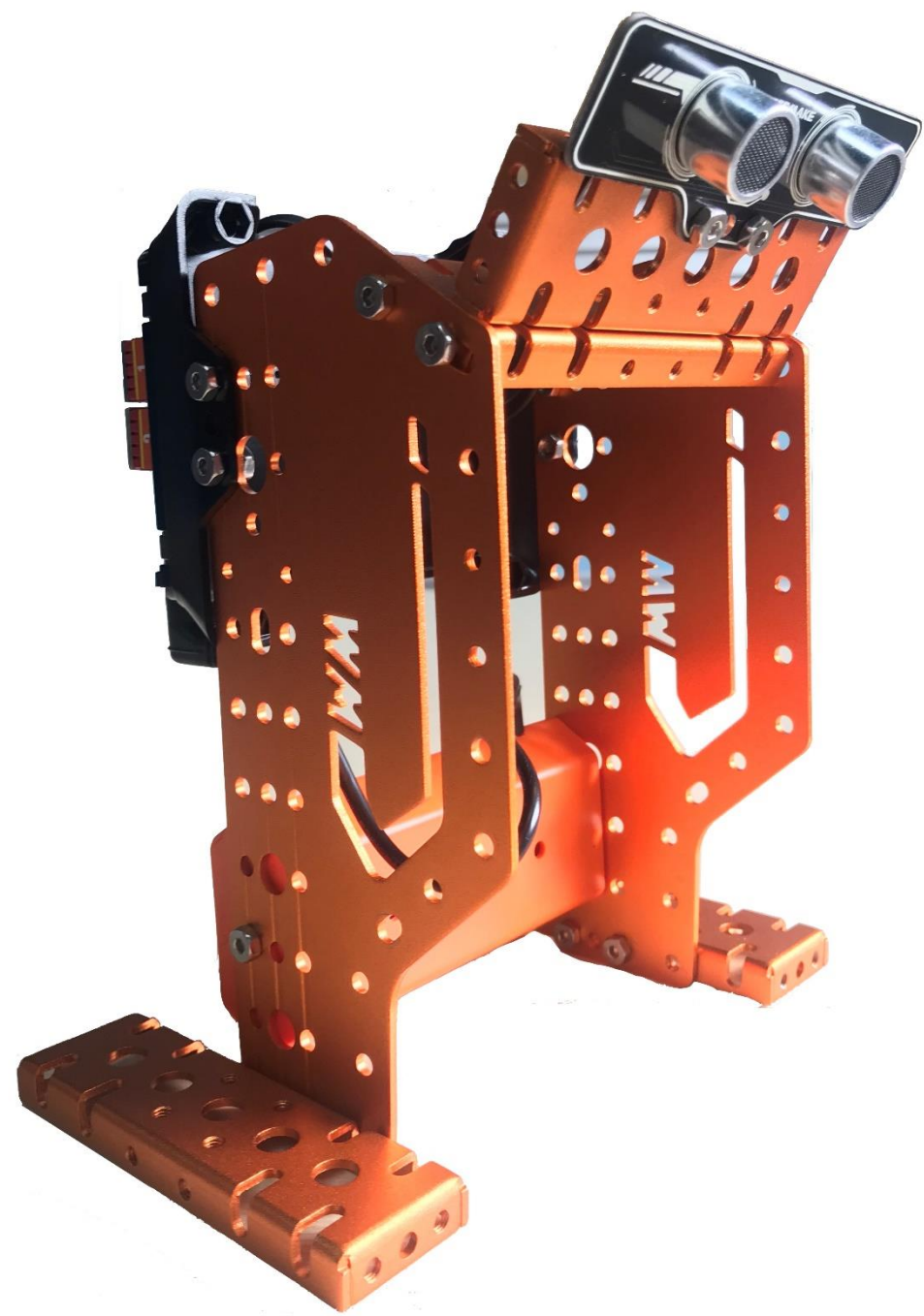
Coding



Extension



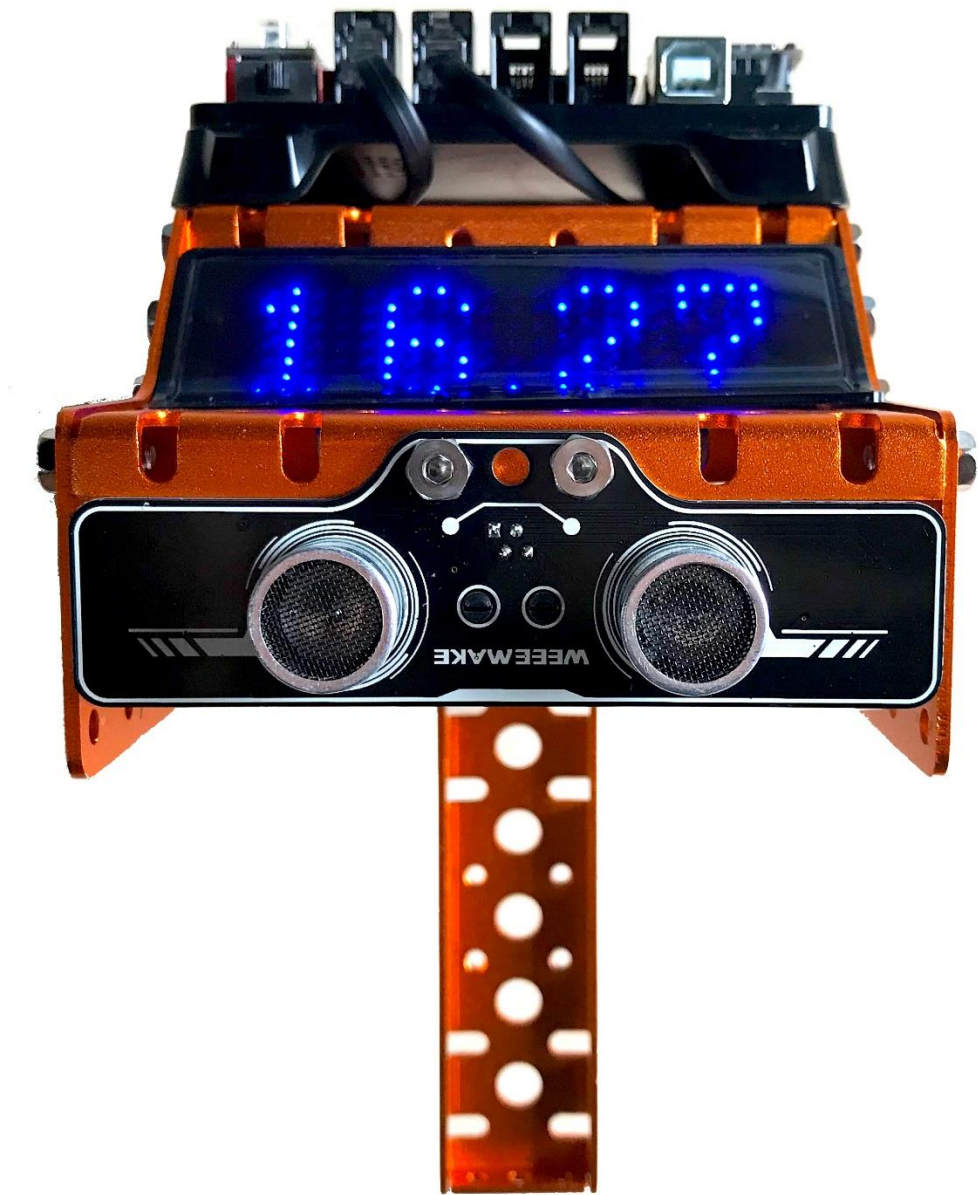
WeeeBot 3-in-1 DIY Robot



Smart Lamp Robot



Coding Robot Car



Distance Measuring Robot

APP - WeeeMake



6 Control Mode

"Manual, Avoid Obstacle, Line-following, Wheelie, Sprint, 8 Circle" Control your robot with your phone, be a commander!

RGB LED Light

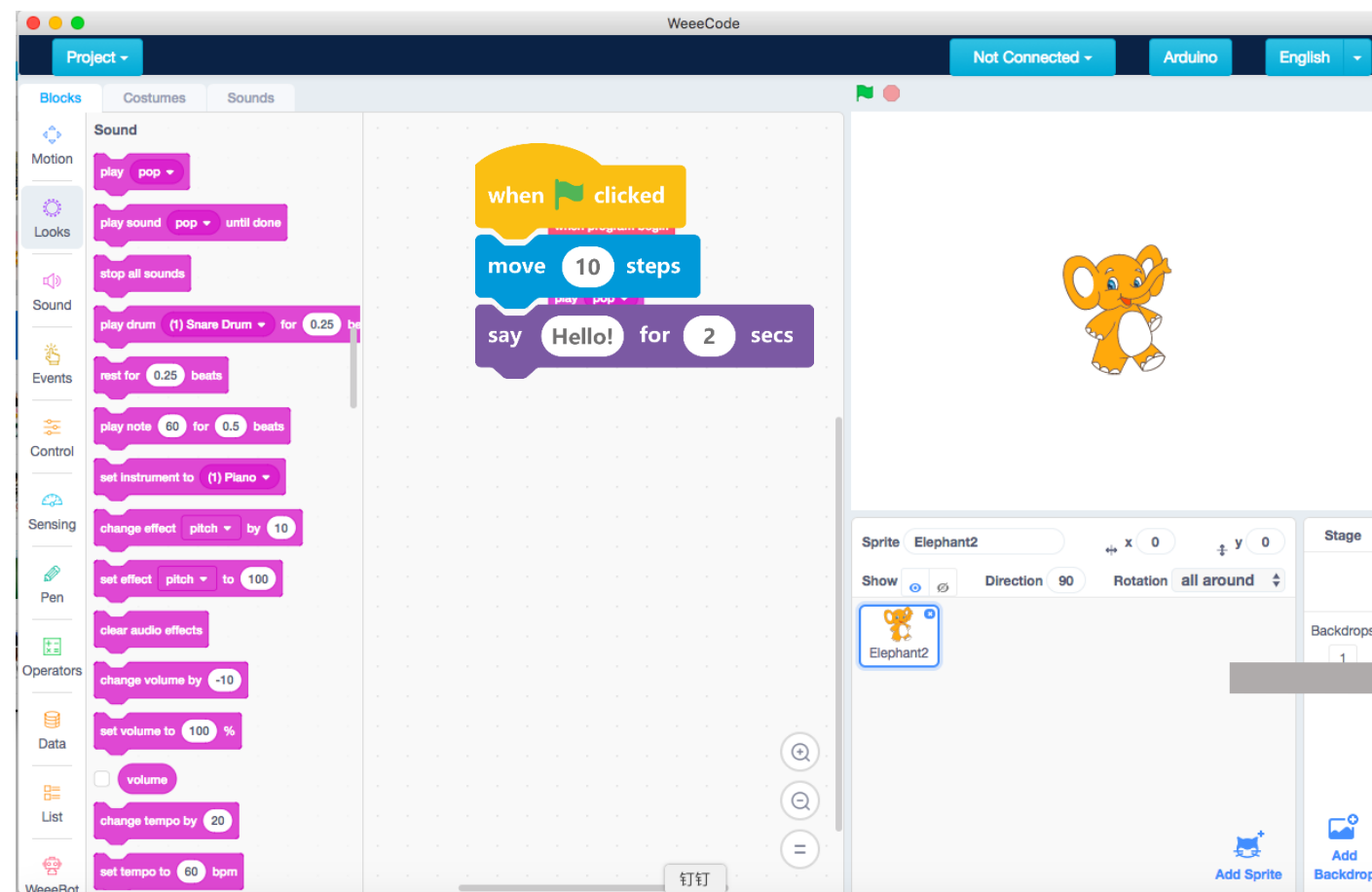
Click and switch the RGB LED light in 256 colors.

Draw

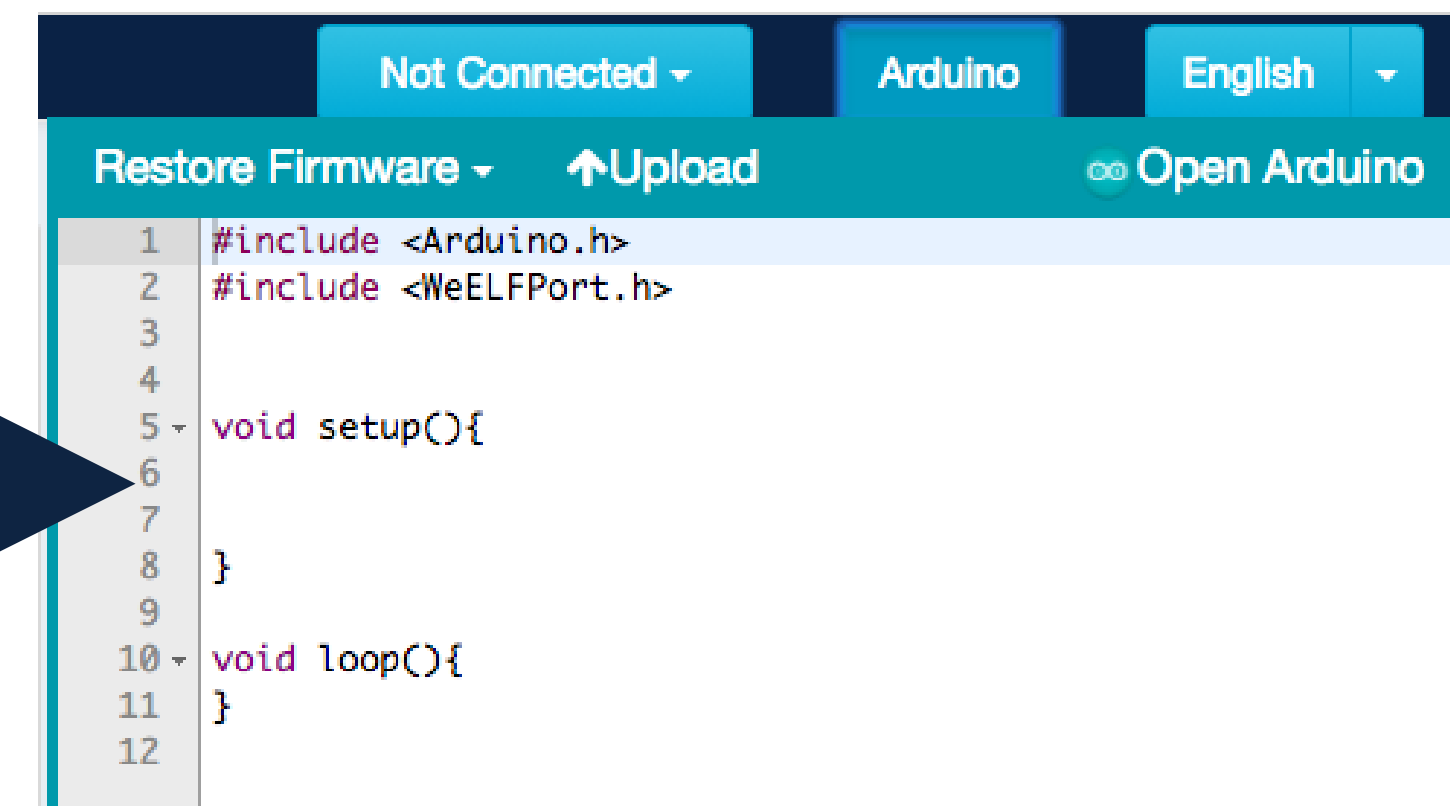
Draw on APP and see the numbers, letters, words, emoji....on LED matrix panel, create!



Easy to Code Scratch 3.0 and Arduino



WeeCode
(Scratch 3.0)



Arduino IDE

Upgrade



macOS High Sierra



Windows 10 S



Snake

Code and play Snake on WeeBot Mini LED Matrix panel. Learn code and play game!



Robot Piano

“do, re, mi, fa, so, la, si”
Drag and drop, make your robot play beautiful tone with buzzer, create your melody.



Catch and Run

Code the light sensor, make your WeeBot Mini run when you try to catch him. Catch and run!



WEEMAKE

Learn with WeeeBot

- **Fast**



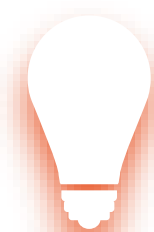
Improved motor, **TWICE** faster than other line-following robot, born for competition.

- **Easy to play**



Graphical assembly guide and APP control, explore 9 play modes at finger tip.

- **Easy to learn**



Graphical programming software and 16 lessons tutorial, enter logic world.

The screenshot shows a lesson page for 'LESSON 2 RGB PROJECT-SEVEN'. It includes a 'Lesson Overview' section stating that students will learn about three-primary colors and RGB LED. The 'Lesson Target' lists three objectives: learning primary colors and adjusting percentages, coding the robot with PC, and understanding sequence and loops. A 'Lesson Tag' table lists 'Elementary, middle' for grad level, 'STEAM, computer science, physical' for subjects, and 'Beginner' for difficulty. A 'Supplies' table lists 'WeeeBot Kit', 'USB cable', and 'PC with Windows and draw USB port'. The 'Lesson Outline' includes an intro (20 mins), a create phase (70 mins), a play phase (30 mins), and a remix phase (20 mins). The right side of the page shows a 'Routine' section with a '1. INTRODUCE RAINBOW AND THREE-PRIMARY COLORS' section. It includes a 'Student discussion' with questions and answers about rainbows, a 'Story behind' section about Isaac Newton's experiment, a Venn diagram of primary colors, and a '2. HARDWARE AND SOFTWARE INTRODUCTION' section with a 'Hardware - RGB LED Module' section. An image of the RGB LED module is shown with a red arrow pointing to it. The page number '2/5' is visible at the bottom.

Specifications

Product Name:	WeeeBot STEM Education Robot Kit			
Main Controller:	ELF	Users	8+	
Microchip:	ATmega328P	Guidance	Manual and 10 lessons	
External Sensor and Electronic Module:	RGB Ultrasonic Sensor	Onboard Sensor and Electronic Module:	Buzzer	
	Light Sensor		Button	
	Sound Sensor		RGB LED	
	IR transmitter and receiver		5*14 LED Matrix	
	Buzzer		Motors:	TT Motor x 2
	7*21 LED Matrix Panel		Operating Voltage:	6V - 10V
	Line-following Sensor		Communication:	Micro USB, Bluetooth 4.1, IR
Extension Port:	RJ11 port x 4; DC motor port x 10; Pin port x6	Giveaway:	18650 battery x2 Black tape	

Exhibitions





We look for partners worldwide, thank you!

WeeMake Co., Ltd.