WeeBot 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

- Replaceable microchip
- Randomly RJ11 and microchip plug in system microchip
- Support 10 external sensor & 10 motors at the same time
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
- 1 x WeeeBot
- 1 x Jeep
- 2 x WeeeBot + Accessories
WeeeBot 3-in-1 DIY Robot

Smart Lamp Robot

Coding Robot Car

Distance Measuring Robot
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

Snake
Code and play Snack on WeeeBot 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 WeeeBot Mini run when you try to catch him. Catch and run!
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.
# Specifications

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>WeeBot STEM Education Robot Kit</th>
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<tbody>
<tr>
<td><strong>Main Controller:</strong></td>
<td>ELF ATmega328P</td>
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<td><strong>Microchip:</strong></td>
<td></td>
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<td><strong>External Sensor and Electronic Module:</strong></td>
<td>RGB Ultrasonic Sensor</td>
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<td>Light Sensor</td>
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<td>Sound Sensor</td>
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<td>IR transmitter and receiver</td>
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<td>Buzzer</td>
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<td>7*21 LED Matrix Panel</td>
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<td>Line-following Sensor</td>
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<tr>
<td><strong>Extension Port:</strong></td>
<td>RJ11 port x 4; DC motor port x 10; Pin port x 6</td>
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</tbody>
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Exhibitions
We look for partners worldwide, thank you!

*WeeeMake Co., Ltd.*