

Hellobot Manual



- ① Please read this manual carefully before use.
- ② The company reserves the right to explain the instructions.
- ③ Product appearance, please prevail in kind.
- ④ Please keep it well after reading.

Shenzhen Yahboom Technology Co., Ltd.

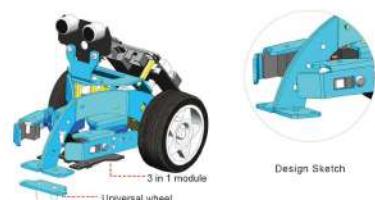
<p>1 Solemn statement</p> <p>1.1 Use statement</p> <p>1.1 After receiving the product, please check the item according to the "Packing list" of the getting started guide.</p> <p>1.2 Children under 12 years old need to be accompanied by parents.</p> <p>1.3 Users should install and use products according to the introductory guide and tutorial provided by the products.</p> <p>1.4 This product structure and appearance have been applied for national patents counterfeiting. The copyright of the product is owned by our company, and it will be investigated for legal liability if it is not authorized to plagiarize or spread.</p> <p>1.2 Non-warranty statement</p> <p>2.1 Product damage is caused by irresistible disasters such as natural disasters.</p> <p>2.2 The product damage was caused by human factors.</p> <p>2.3 Product damage is caused by improper use of the product by the user.</p> <p>2.4 Defective products arising from the above non-warranty factors will be charged according to the standards set by the company.</p> <p>2.5 The warranty scope of this product is only for the product body, and does not include the warranty for the consumables.</p> <p>2.6 We do not accept responsibility for any damage to the customer's vested interests or anticipated damage during product repair.</p>	<p>2 Packing list (Basic version)</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>micro:bit</td> <td>Expansion board</td> <td>3 in 1 module</td> <td>Ultrasonic module</td> </tr> <tr> <td>Aluminum alloy body L/R</td> <td>Aluminum alloy chassis</td> <td>Ultrasonic bracket</td> <td>Servo package</td> </tr> <tr> <td>Arm module*2</td> <td>Universal wheel</td> <td>Steering gear package</td> <td>IR controller</td> </tr> <tr> <td>Lithium battery</td> <td>Magic sticker</td> <td>Micro USB cable</td> <td>4pin cable</td> </tr> <tr> <td>RJ45 network cable</td> <td>Cable*2</td> <td>Motor*2</td> <td>Map*1</td> </tr> <tr> <td>Tyre*2</td> <td>Screwdriver*1</td> <td>High-grade box</td> <td>Manual</td> </tr> <tr> <td>Screw&nut</td> <td>Copper pillar</td> <td></td> <td></td> </tr> </table>	micro:bit	Expansion board	3 in 1 module	Ultrasonic module	Aluminum alloy body L/R	Aluminum alloy chassis	Ultrasonic bracket	Servo package	Arm module*2	Universal wheel	Steering gear package	IR controller	Lithium battery	Magic sticker	Micro USB cable	4pin cable	RJ45 network cable	Cable*2	Motor*2	Map*1	Tyre*2	Screwdriver*1	High-grade box	Manual	Screw&nut	Copper pillar			<p>3 Lift pack</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>Shovel</td> <td>Servo package</td> <td>Spacer pillar and screw</td> <td>Screw</td> </tr> <tr> <td>Steering gear package</td> <td>Lift arm L/R</td> <td></td> <td></td> </tr> </table> <p>4 Clip pack</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>Servo package*2</td> <td>Mechanical clip arm*2</td> <td>EVA clip*4</td> <td>Screw</td> </tr> <tr> <td>Steering gear package</td> <td></td> <td></td> <td></td> </tr> </table>	Shovel	Servo package	Spacer pillar and screw	Screw	Steering gear package	Lift arm L/R			Servo package*2	Mechanical clip arm*2	EVA clip*4	Screw	Steering gear package				<p>5 Installation steps</p> <p>1. Installation of Aluminum alloy chassis and left motor</p> <p>2. Installation of Aluminum alloy chassis and right motor</p> <p>3. Fixation of Aluminum chassis</p> <p>7. Installation of ultrasonic bracket& servo package</p> <p>8. Installation of copper pillar for expansion board</p> <p>9. Installation of Lithium battery</p> <p>10. Installation of expansion board connection</p> <p>11. Installation of micro:bit</p> <p>12. Installation of arm module</p> <p>(Note: the steering gear housing screw is not put together with other screws, and is fixed inside the arm module steering gear package.)</p> <p>13. Installation of tyre</p> <p>14. Installation of universal wheel and 3 in 1 module</p> <p>15. Installation finished</p>
micro:bit	Expansion board	3 in 1 module	Ultrasonic module																																												
Aluminum alloy body L/R	Aluminum alloy chassis	Ultrasonic bracket	Servo package																																												
Arm module*2	Universal wheel	Steering gear package	IR controller																																												
Lithium battery	Magic sticker	Micro USB cable	4pin cable																																												
RJ45 network cable	Cable*2	Motor*2	Map*1																																												
Tyre*2	Screwdriver*1	High-grade box	Manual																																												
Screw&nut	Copper pillar																																														
Shovel	Servo package	Spacer pillar and screw	Screw																																												
Steering gear package	Lift arm L/R																																														
Servo package*2	Mechanical clip arm*2	EVA clip*4	Screw																																												
Steering gear package																																															

11

Installation steps of lift pack



1. Disassemble 3 in 1 module & Universal wheel components

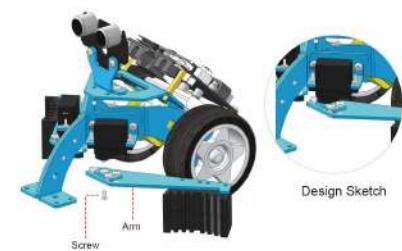


2. Disassemble arm and ultrasonic bracket



6. Installation of mechanical clip arm

When installing the mechanical arm, place one end of the mechanical arm close to the wheel, then insert the mechanical arm into the steering gear shaft and lock the screw.



7. Installation of universal wheel and 3in1 module



12

3. Installation of ultrasonic bracket and servo package



4. Installation of universal wheel and 3in1 module



5. Installation of shovel



13

6. Installation of the right arm

When the arm is installed, put it flat on the ground, and then insert the right arm into the steering gear shaft and lock the screw.



7. Installation of the left arm



14

Installation steps of clip pack



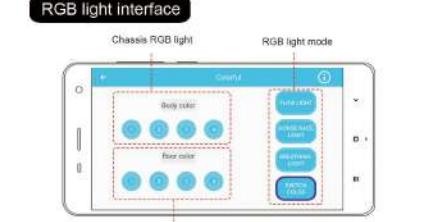
1. Disassembly universal wheel and 3in1 module



2. Disassembly arm and ultrasonic bracket



3. Installation of ultrasonic bracket



4. Installation of servo package



5. Installation of EVA clip



15

3. Installation of ultrasonic bracket



4. Installation of servo package



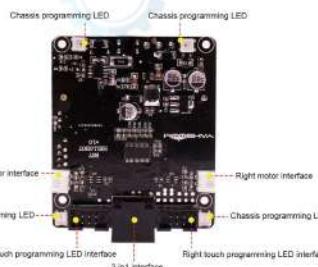
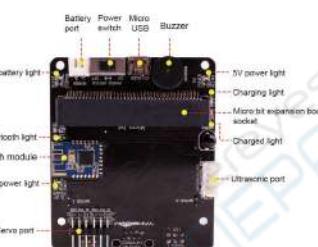
5. Installation of EVA clip



6. Open source link

<https://drive.google.com/open?id=1Ng1om34nK5uoJr6gRQm54tEtlvAg6>

Module distribution



Bluetooth control

Download:

Download the file to micro:bit with micro USB cable.

[Link: https://drive.google.com/open?id=1N79cdBZNTAMd78c1sqXU85vGUR0CXJ](https://drive.google.com/open?id=1N79cdBZNTAMd78c1sqXU85vGUR0CXJ)

Andriod APP:

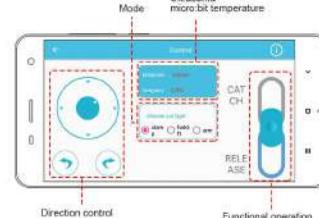
Please download bluetooth APK with Andriod phone.

[APK: https://drive.google.com/open?id=1e9YE5hBlmdnezPE0jSe3j0KmXDq7ec](https://drive.google.com/open?id=1e9YE5hBlmdnezPE0jSe3j0KmXDq7ec)

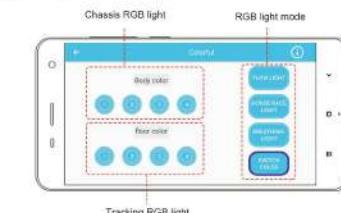
The mobile phone turns on bluetooth and opens the application [HelloBot]. It can be connected automatically when it is close to HelloBot. If the Bluetooth signal changes in the upper left corner, you can directly click the "connect".



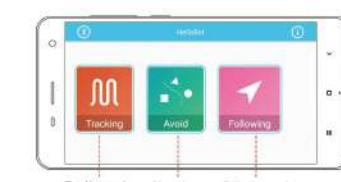
Control interface



RGB light interface



Function interface



Music interface



Lineation interface



Free call: +86 055-86965197 or +86 18555710830

Technical assistance: support@yahboom.com

Enterprise mail: orders@yahboom.com

Address: Room 306, C Building, Guanlong Comprehensive building, Guanlong Road, Xili Sub district, Nanshan District, Shenzhen City