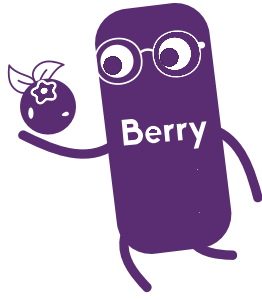


BerryBot



rbt.ist/berrybotgithub

RobotistanINC

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BerryBot

pico bricks | IDE

MicroBlocks

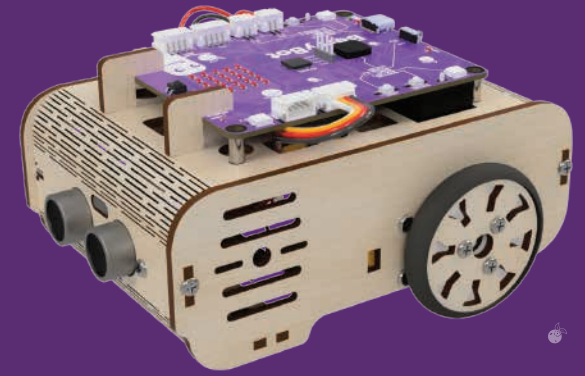
MicroPython

ARDUINO



coding

light tracker mode

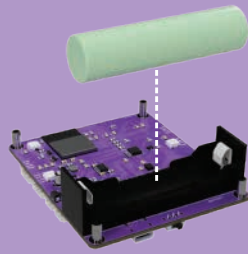
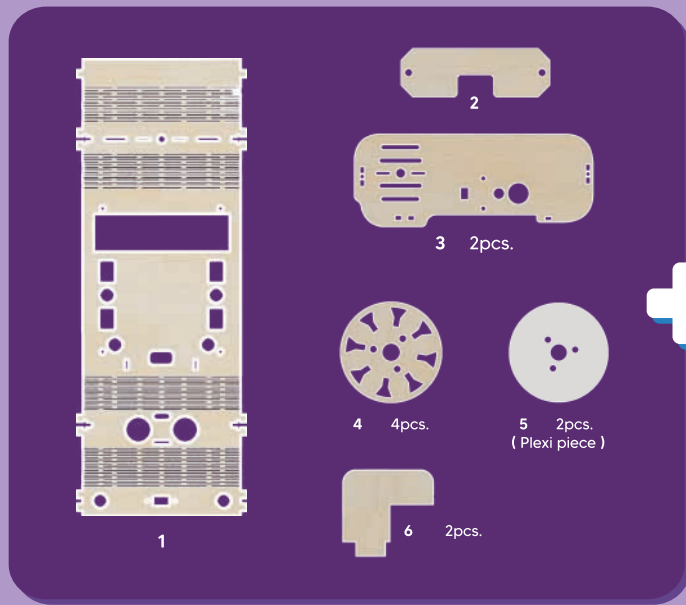


Instruction Manual

line tracker mode

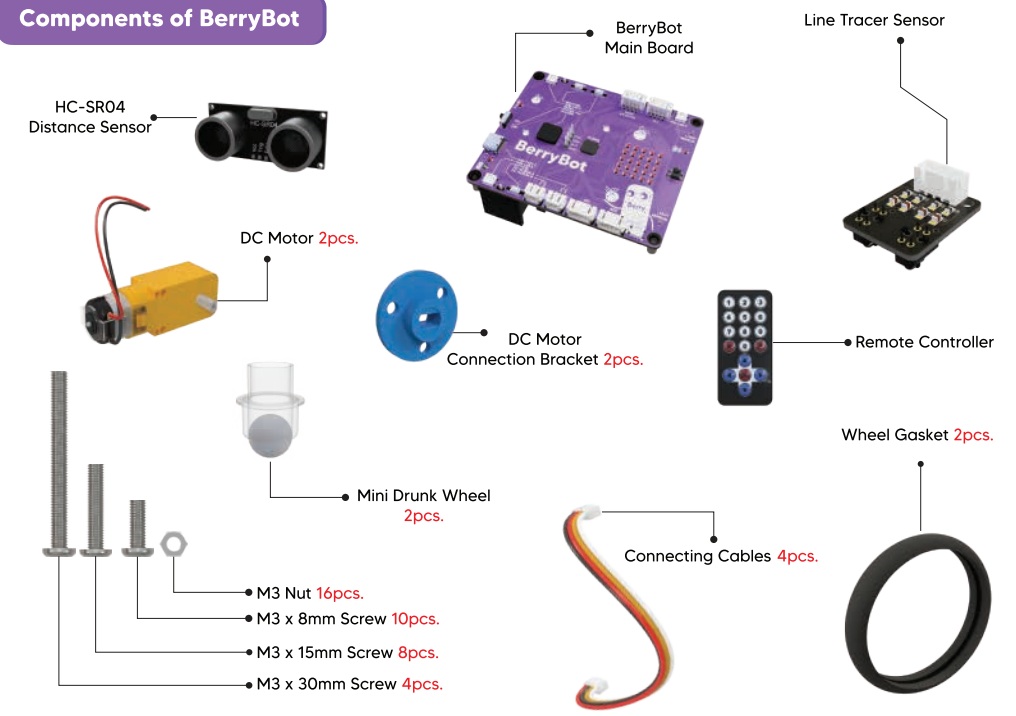


Wooden and Plexiglass Piece



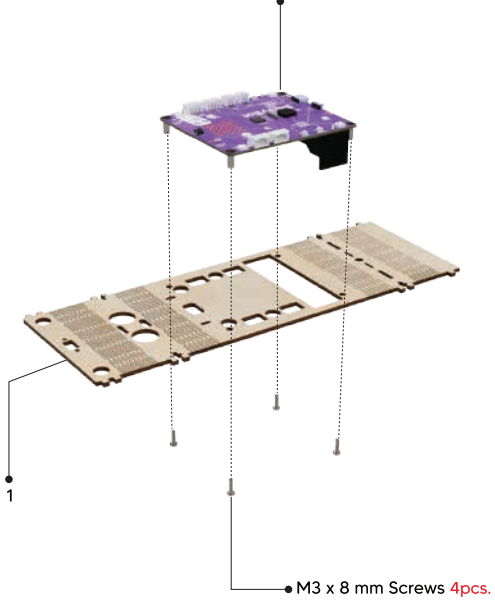
Pay attention to the battery orientation.

Components of BerryBot



1

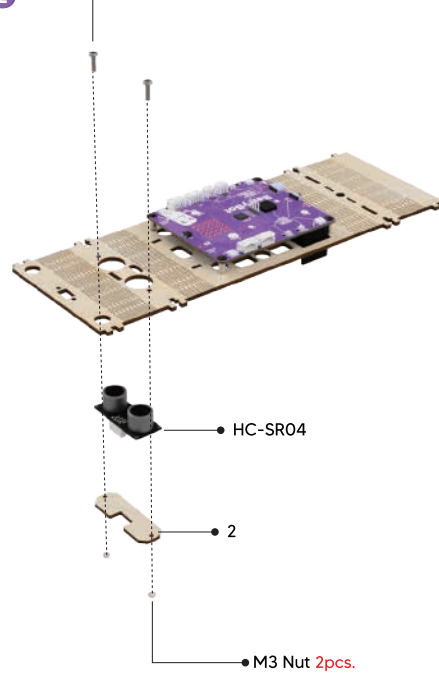
BerryBot MainBoard



M3 x 8 mm Screws 4pcs.

2

M3 x 15mm Screws 2pcs.



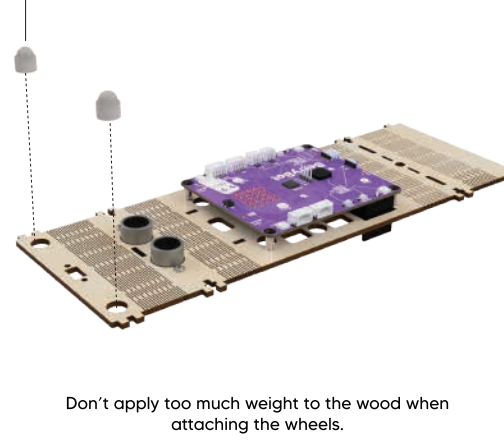
HC-SR04

2

M3 Nut 2pcs.

3

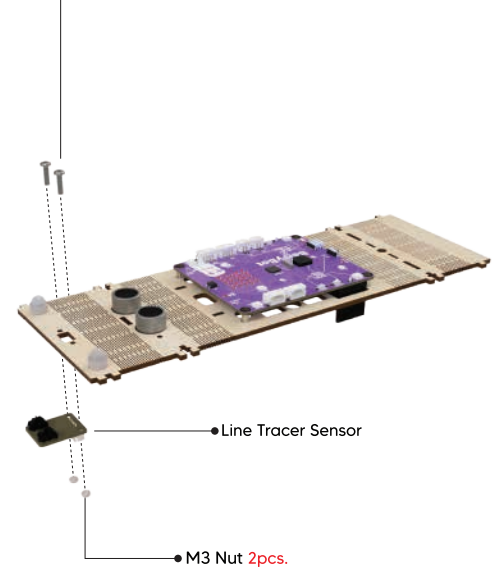
Mini Drunk Wheel 2pcs.



Don't apply too much weight to the wood when attaching the wheels.

4

M3 x 8 mm Screw 2pcs.



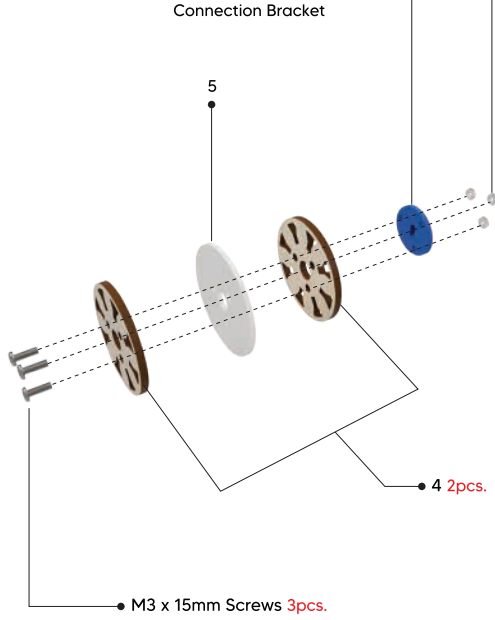
Line Tracer Sensor

M3 Nut 2pcs.

5

M3 Nut 3pcs.

DC Motor Connection Bracket



M3 x 15mm Screws 3pcs.

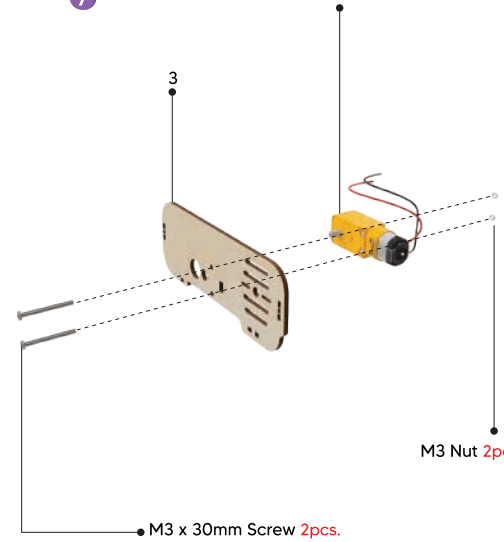
6



Install the gasket on the wheel by stretching it.

7

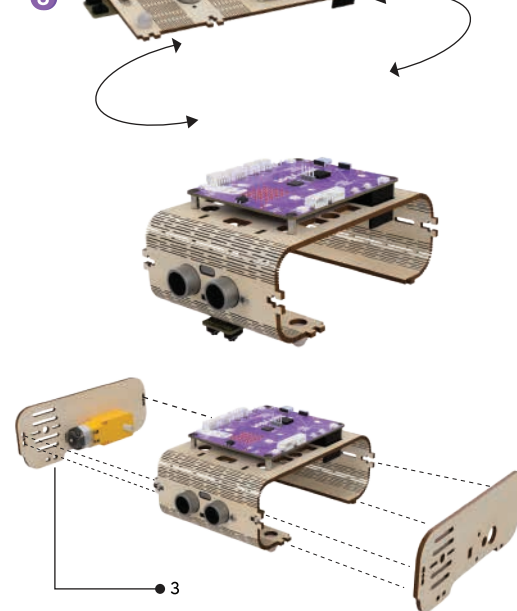
DC Motor



M3 Nut 2pcs.

M3 x 30mm Screw 2pcs.

8



3

9

Firstly put the M3 Nut on the marked part and secure it.

M3 Nut

M3 x 8mm Screw

Then tighten the screw from the back side (make sure that the nut doesn't fall out of the slot).

8

10

Follow the same installation steps for the other parts.

M3 Nut

M3 x 8mm Screw

11

6 2pcs.

12

Installation is finished, you can continue with the coding steps.

DC MOTOR B

DC MOTOR A

9

Setting Up The Circuit

Let's get to know the circuit elements of BerryBot that we completed the setup and make the circuit setup with BerryBot modules.

TCRT500 Line Tracer Sensor

Pay attention to the battery orientation.

(Right Motor)

(Left Motor)

10

Berry

CHECKLIST

If BerryBot is not working properly after completing the installation, you can check the steps below.

☐ Are you sure that the battery you use is fully charged?

☐ Did you insert the batteries by paying attention to their polarities?

☐ Make sure that you have placed the BerryBot main board correctly.

☐ Did you connect the DC motors to the pin specified in the code?

☐ Did you correctly plug the sensors and modules into the correct sockets?

11

By scanning the QR code, you can access detailed information about the BerryBot board, sample codes, and information on how to use the editors. The BerryBot Education Book includes the Picobricks IDE, Thonny and Arduino code necessary for BerryBot, as well as technical information related to the use of BerryBot.

rbt.is/berryboteducation

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Berry

13

14

Berry

15