

REX8



GitHub
rbt.ist/rexgithub

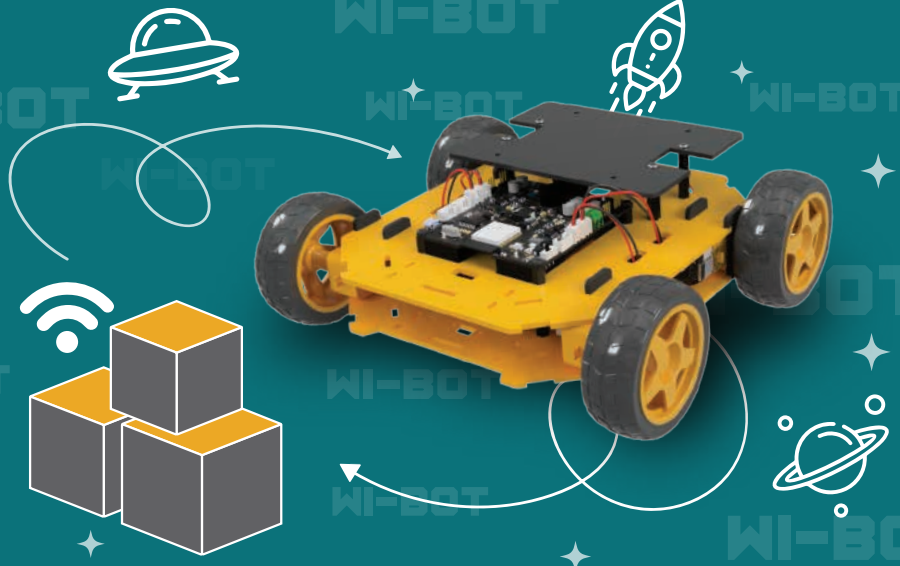


REX DOCS
rbt.ist/rexrdt



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WI-BOT SETUP GUIDE



WiBot

WiBot is one of REX robots that you can control remotely by using the Bluetooth and Wireless features of the REX Board.

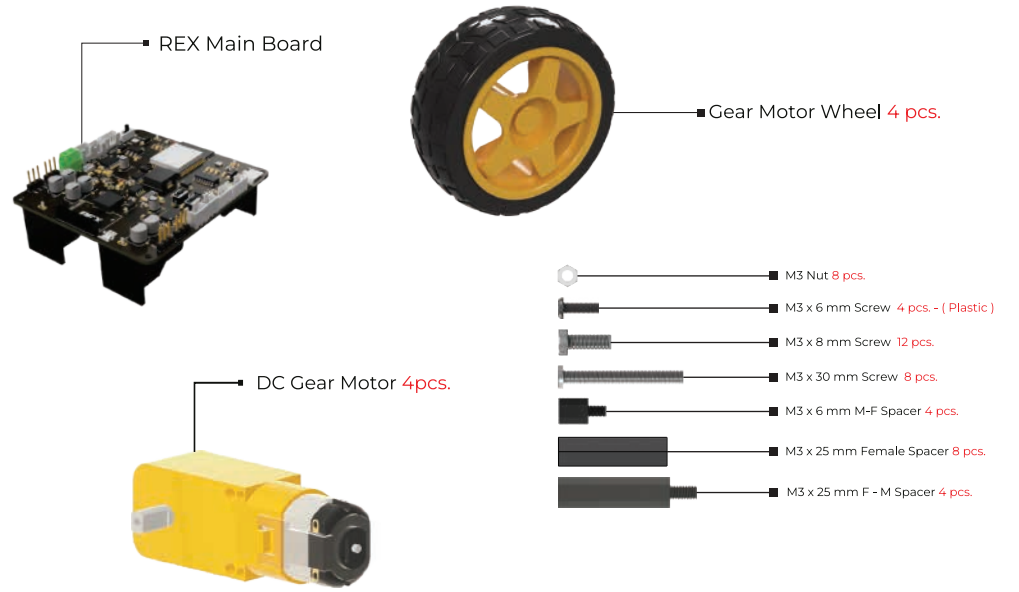
Wireless Technology: This technology enables devices to communicate over the Internet network. By connecting the REX Board to the same Wi-Fi network as the device we wish to communicate with, we can effortlessly perform this operation using the code we will write.



Bluetooth Technology: Devices with Bluetooth technology can communicate with each other within a certain distance by using this technology. You can easily perform this operation by using the REX Board.

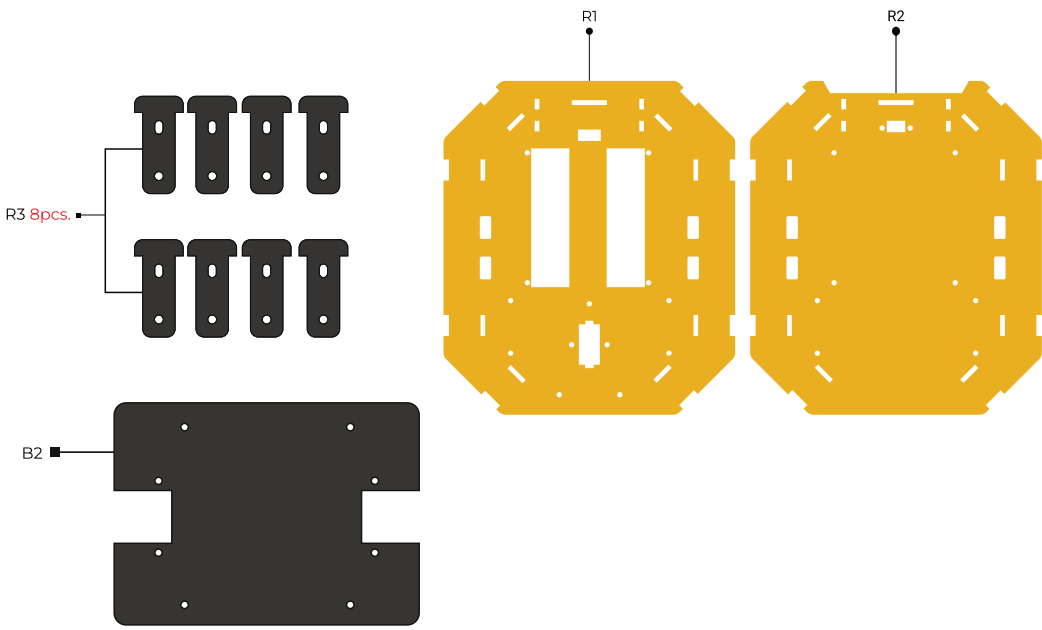


Components of WiBot

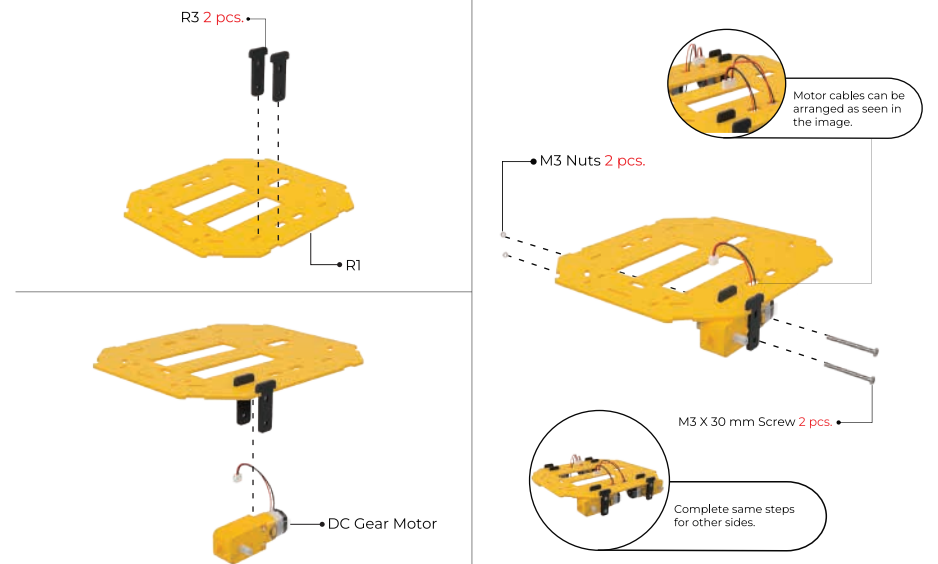


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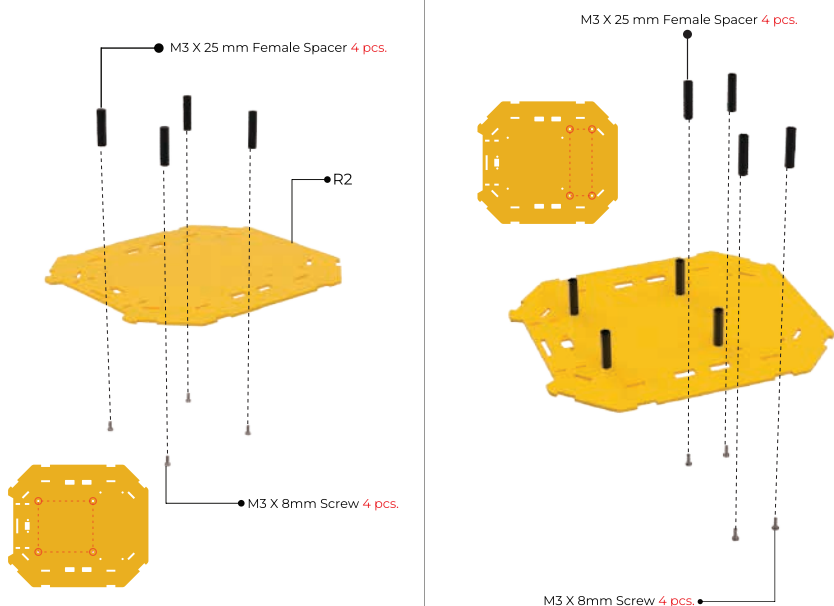
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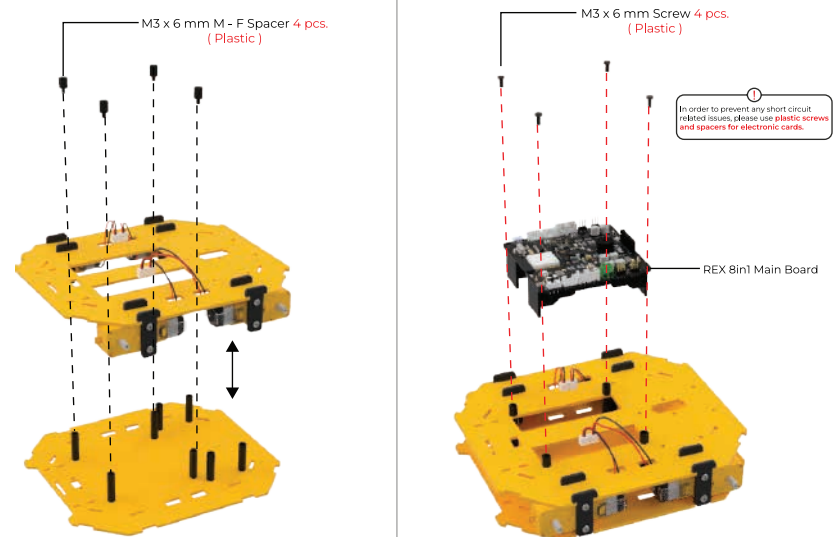
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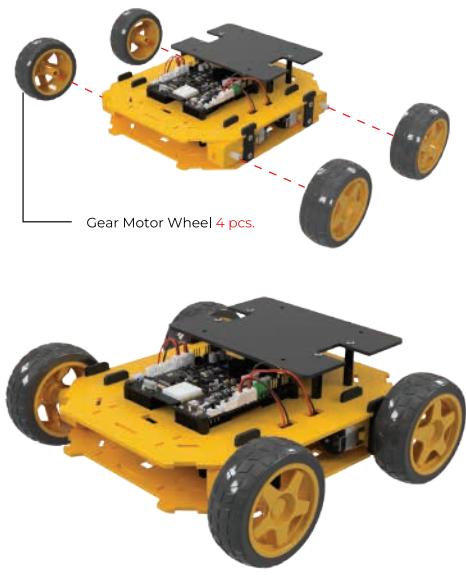
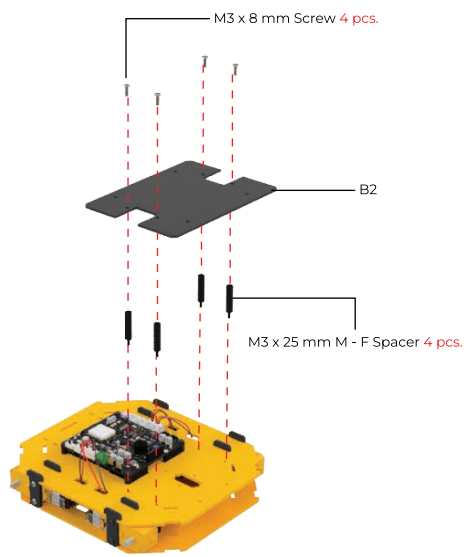
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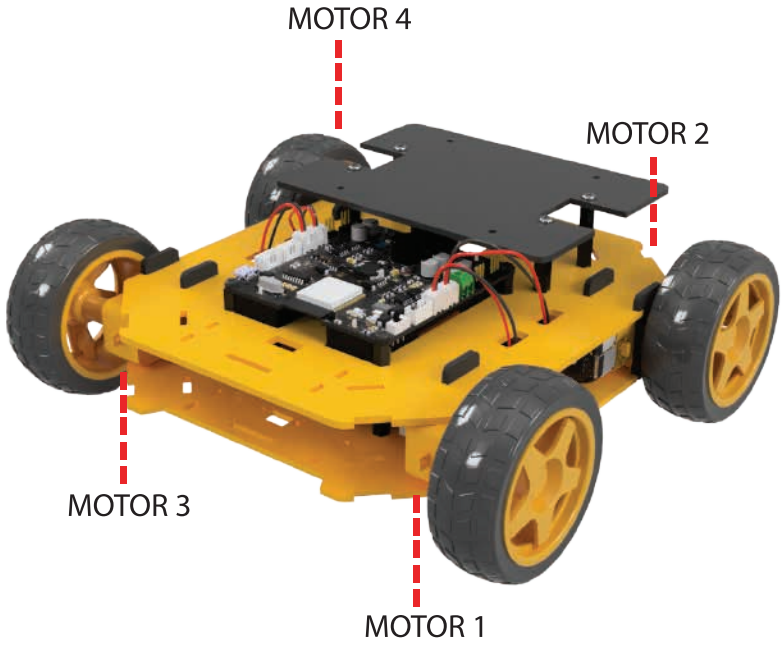
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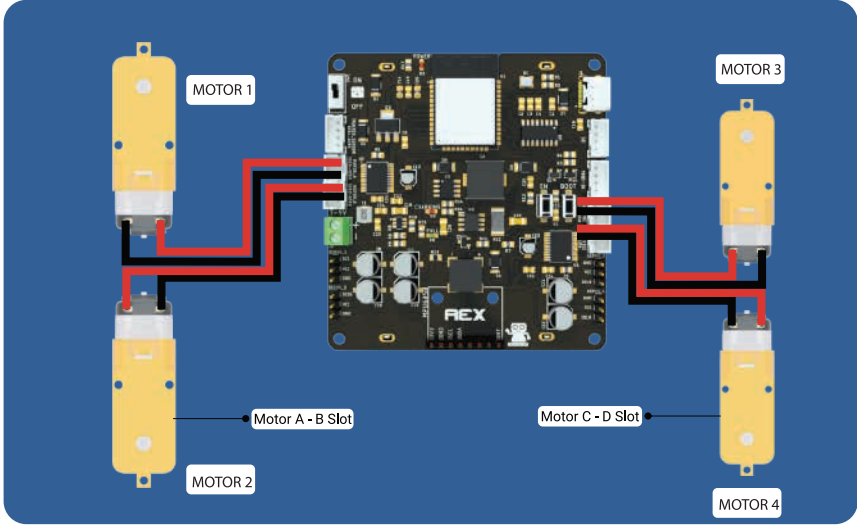


Assembly is finished and you can move on with coding steps.



The Circuit Diagram

After assembling the acrylic pieces, you can proceed with circuit installation as shown in the diagram below.



Arduino Code

```
Wt_BOTm
1 //AI-Get
2
3 #define CUSTOM_SETTINGS
4 #define INCLUDE_GASPAD_MODULE
5 #include <DabbleESP32.h>
6 #include <Arduino.h>
7 #include <analogwrite.h>
8
9
10 #define MotorA1 15
11 #define MotorA2 23
12
13 #define MotorB1 32
14 #define MotorB2 33
15
16 #define MotorC1 17
17 #define MotorC2 10
18
19 #define MotorD1 27
20 #define MotorD2 14
21
22 #define hore 2
23
24 void setup() {
25   pinMode(hore, OUTPUT);
26   pinMode(MotorA1, OUTPUT);
27   pinMode(MotorA2, OUTPUT);
28   pinMode(MotorB1, OUTPUT);
29   pinMode(MotorB2, OUTPUT);
30   pinMode(MotorC1, OUTPUT);
31   pinMode(MotorC2, OUTPUT);
32   pinMode(MotorD1, OUTPUT);
33   pinMode(MotorD2, OUTPUT);
34   Serial.begin(115200);
35   Dabble.begin("REX_ROBOT");
36 }
37
38 void loop() {
39   //Bu fonksiyon while cikmadan gelen bilgilerin guncel tutulmasi icin kullanilir.
40   Dabble.processInput();
41 }
```



Scan the QR code to go to the whole code and the necessary libraries.