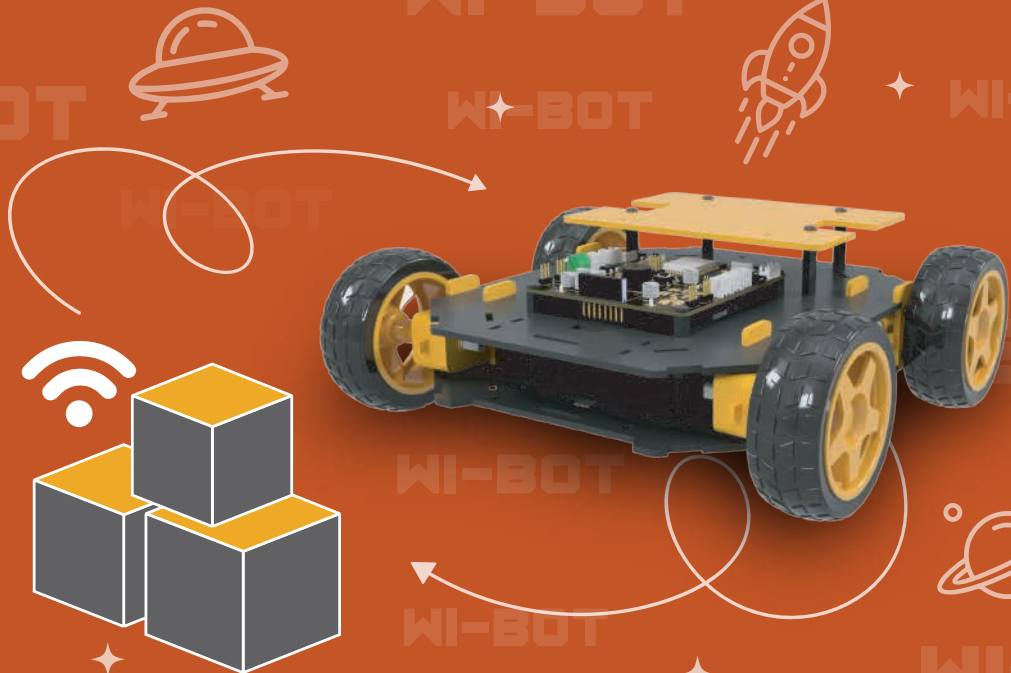


WI-BOT

SETUP GUIDE



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WiBot

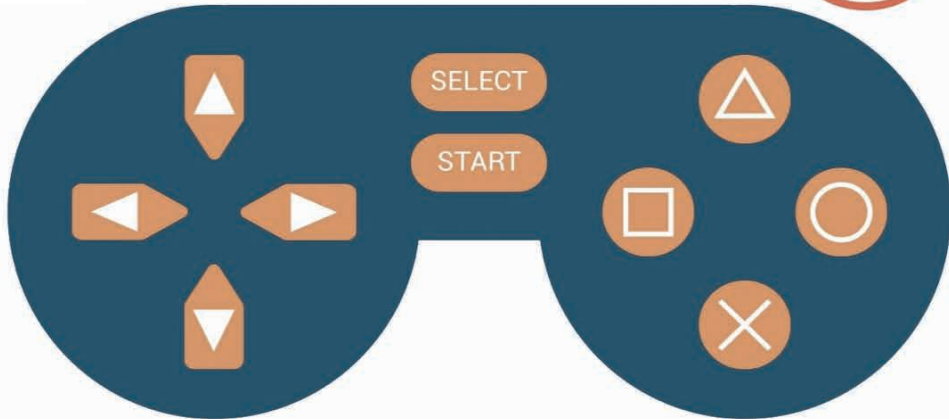
WiBot is one of REX robots that you can control remotely by using the Bluetooth and Wireless features of the REX Board.

Wireless Technology: It is the technology that provides devices to communicate over the Internet network. By connecting the REX Board to the same Wi-Fi network as the device we want to communicate with, we can easily perform this operation with the code we will write.



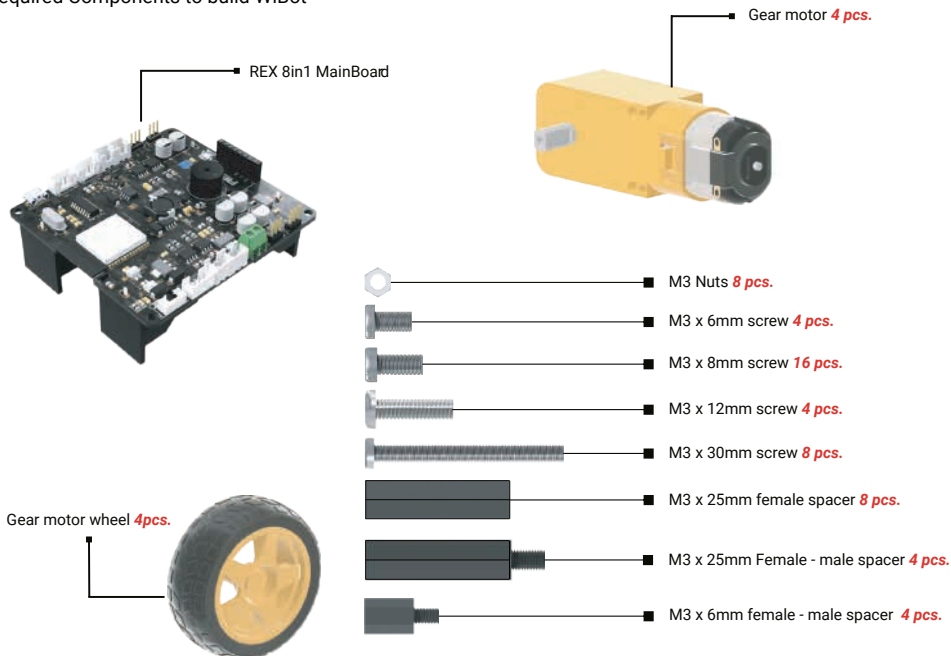
Bluetooth Technology: Devices with Bluetooth technology can communicate with each other within a certain distance by using this technology. You can perform this operation by using the REX Board easily.



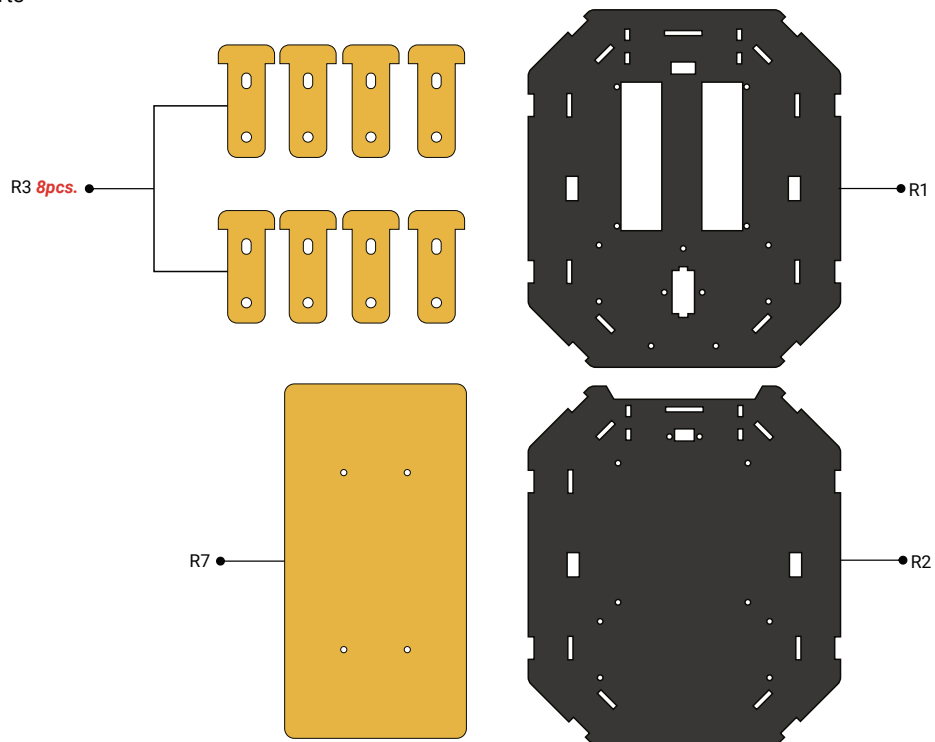


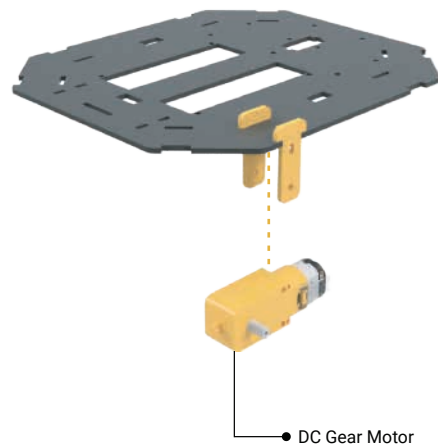
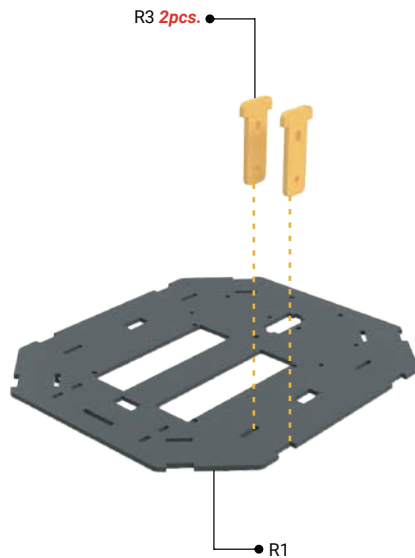
The Installation Steps

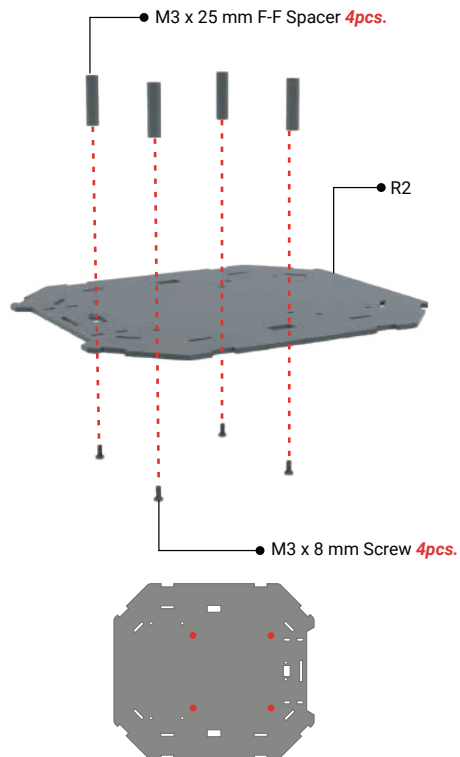
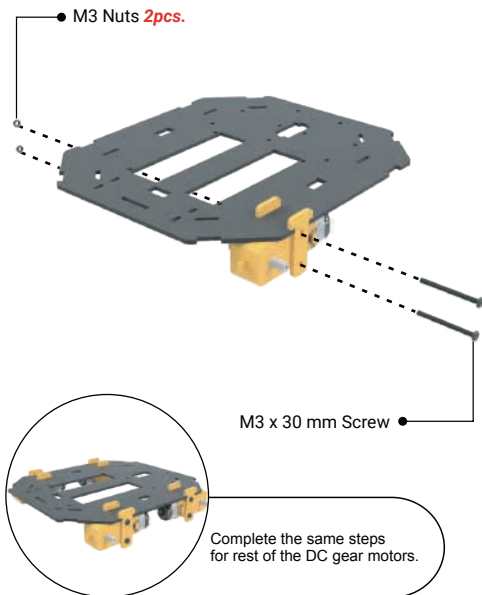
Required Components to build WiBot

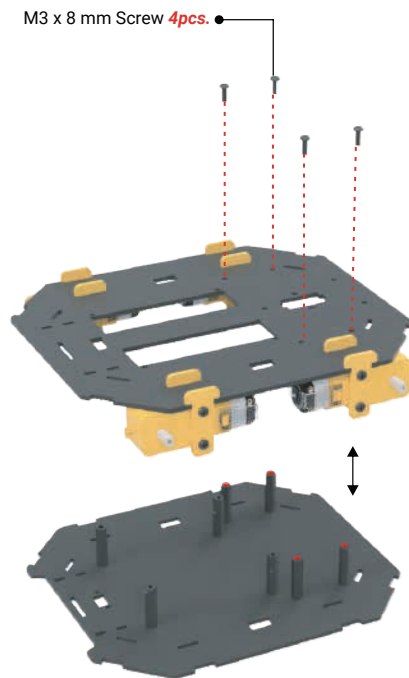
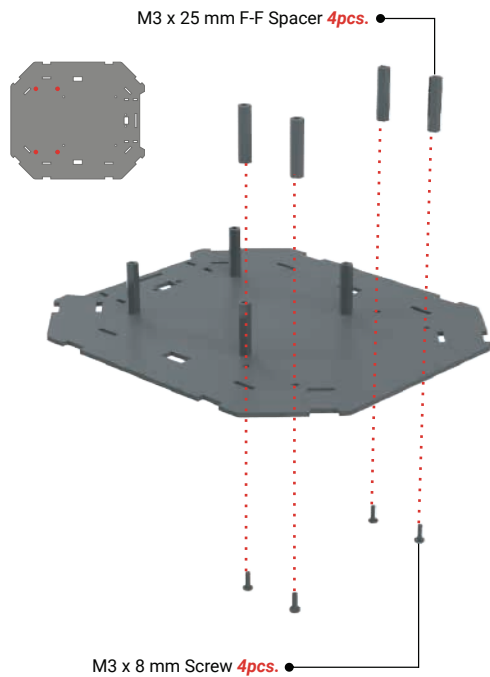


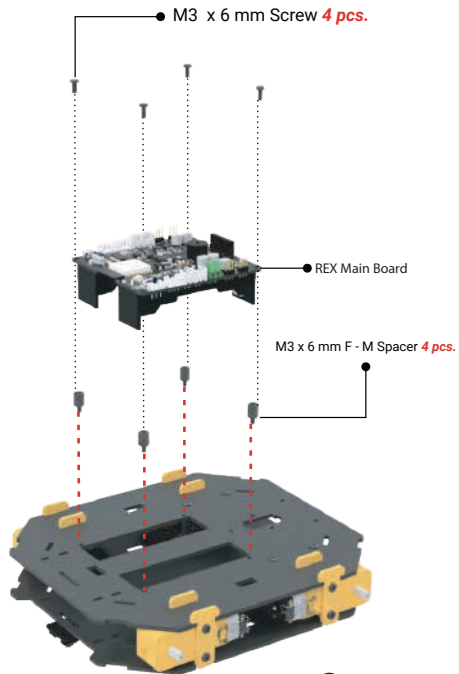
Required Parts



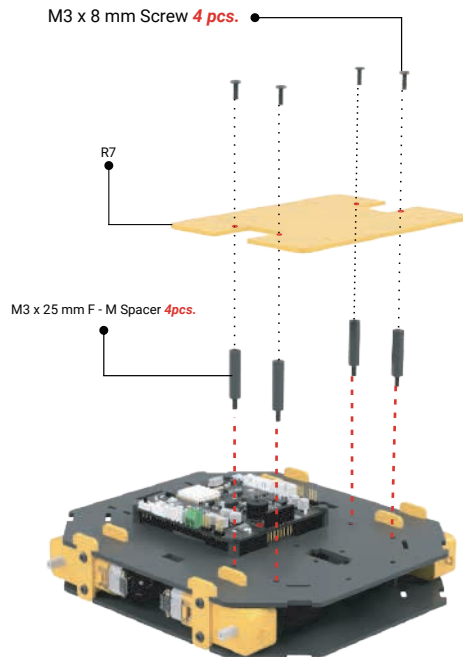


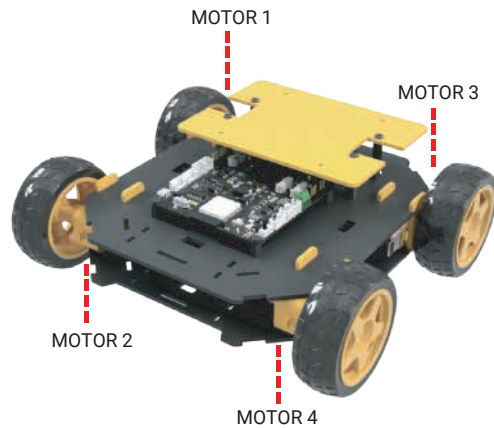
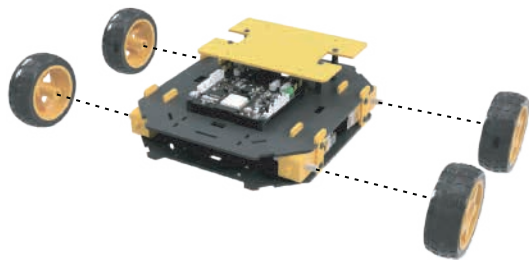




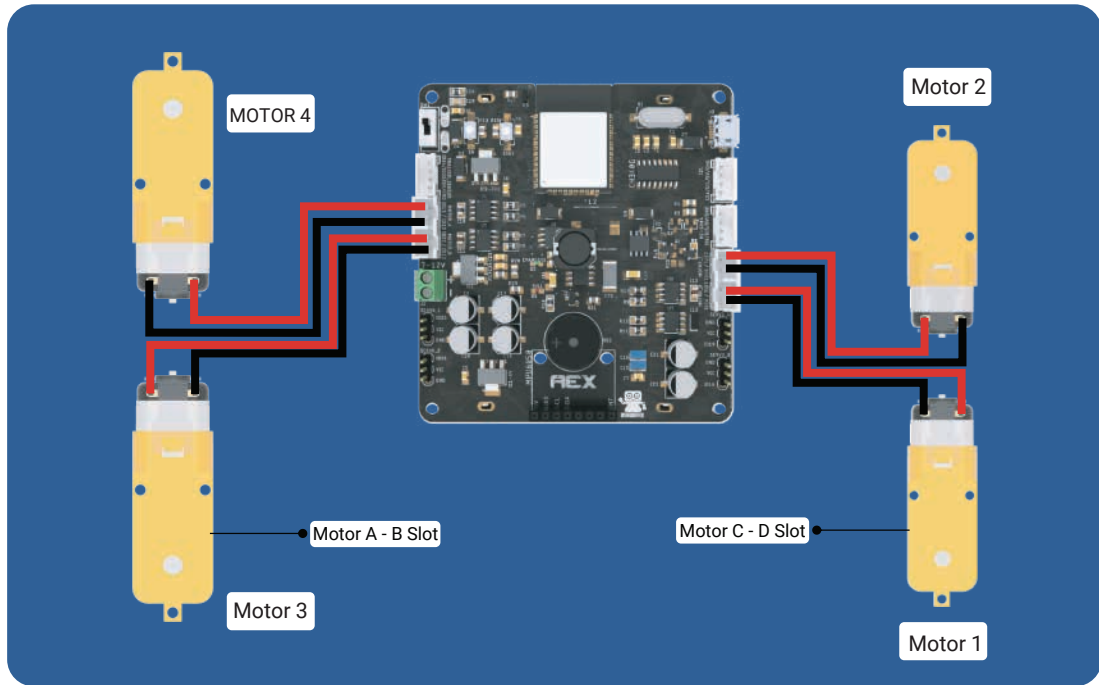


⚠
In order to prevent any short circuit
issues, please use **plastic screws**
and **spacers for electronic cards.**

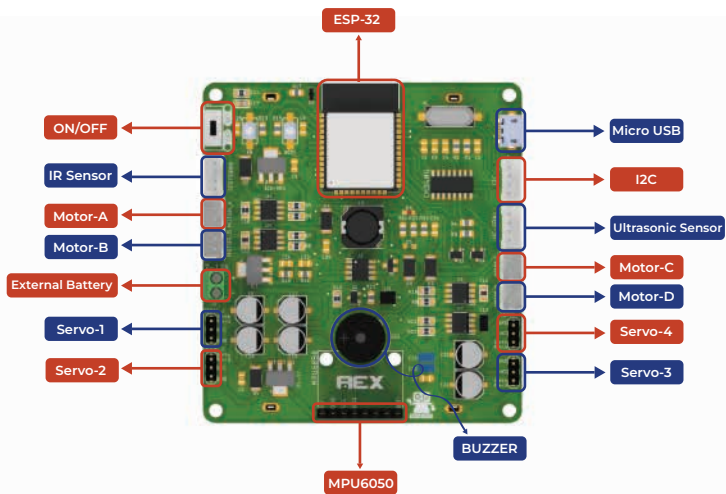




The Circuit Diagram

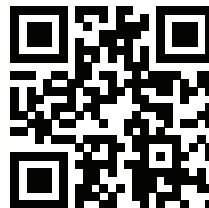


REX Main Board Pin Diagram



Arduino Code

```
W1_BOTino
1 //W1-Rob
2
3 #define CUSTOM_SETTINGS
4 #define INCLUDE_GAMEPAD_MODULE
5 #include <DabbleESP82.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 16
18
19 #define MotorD1 27
20 #define MotorD2 14
21
22 #define horn 2
23 void setup() {
24   pinMode(horn, OUTPUT);
25   pinMode(MotorA1, OUTPUT);
26   pinMode(MotorA2, OUTPUT);
27
28   pinMode(MotorB1, OUTPUT);
29   pinMode(MotorB2, OUTPUT);
30
31   pinMode(MotorC1, OUTPUT);
32   pinMode(MotorC2, OUTPUT);
33
34   pinMode(MotorD1, OUTPUT);
35   pinMode(MotorD2, OUTPUT);
36
37   Serial.begin(115200);
38   Dabble.begin("REX_ROBOT");
39 }
40
41 void loop() {
42   //Bu fonksiyon mobil cihazdan gelen bilgilerin güncel tutulması için kullanılır.
43   Dabble.processInput();
```



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





GitHub

rbt.ist/rexgithub



Rex DOC

rbt.ist/rexrdt



Shop.robotistan/Rex

rbt.ist/rexrdt