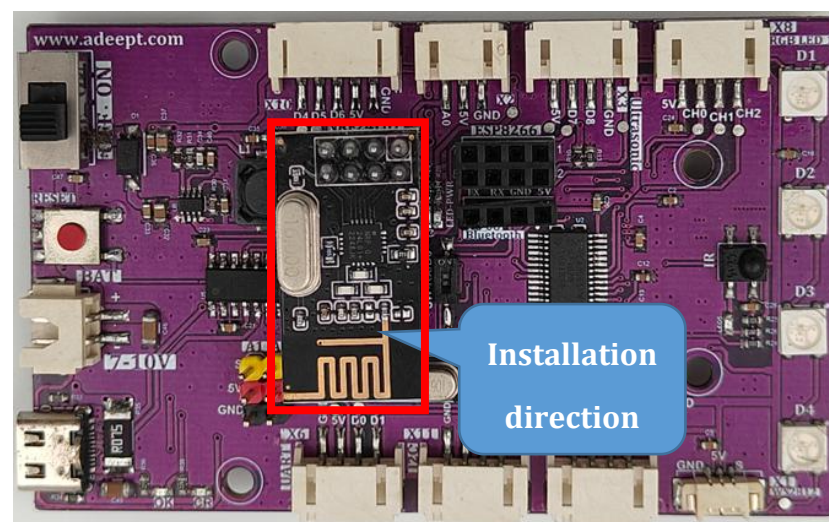
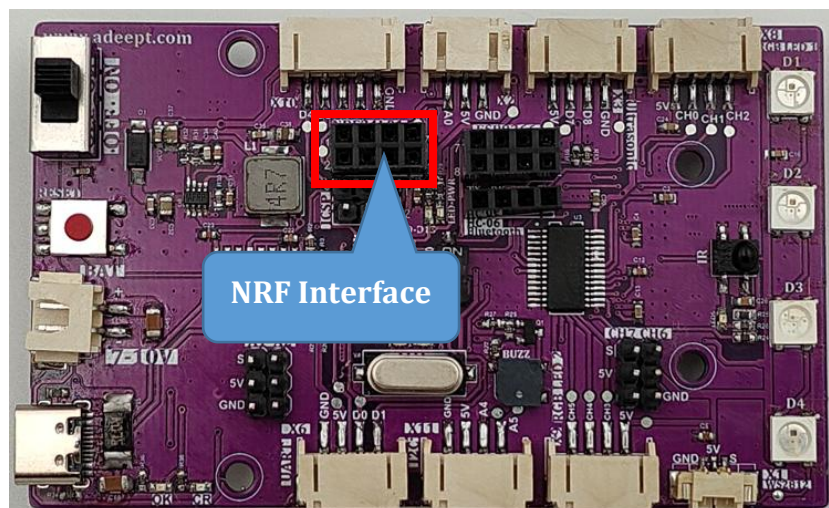


Upload the program to the Car

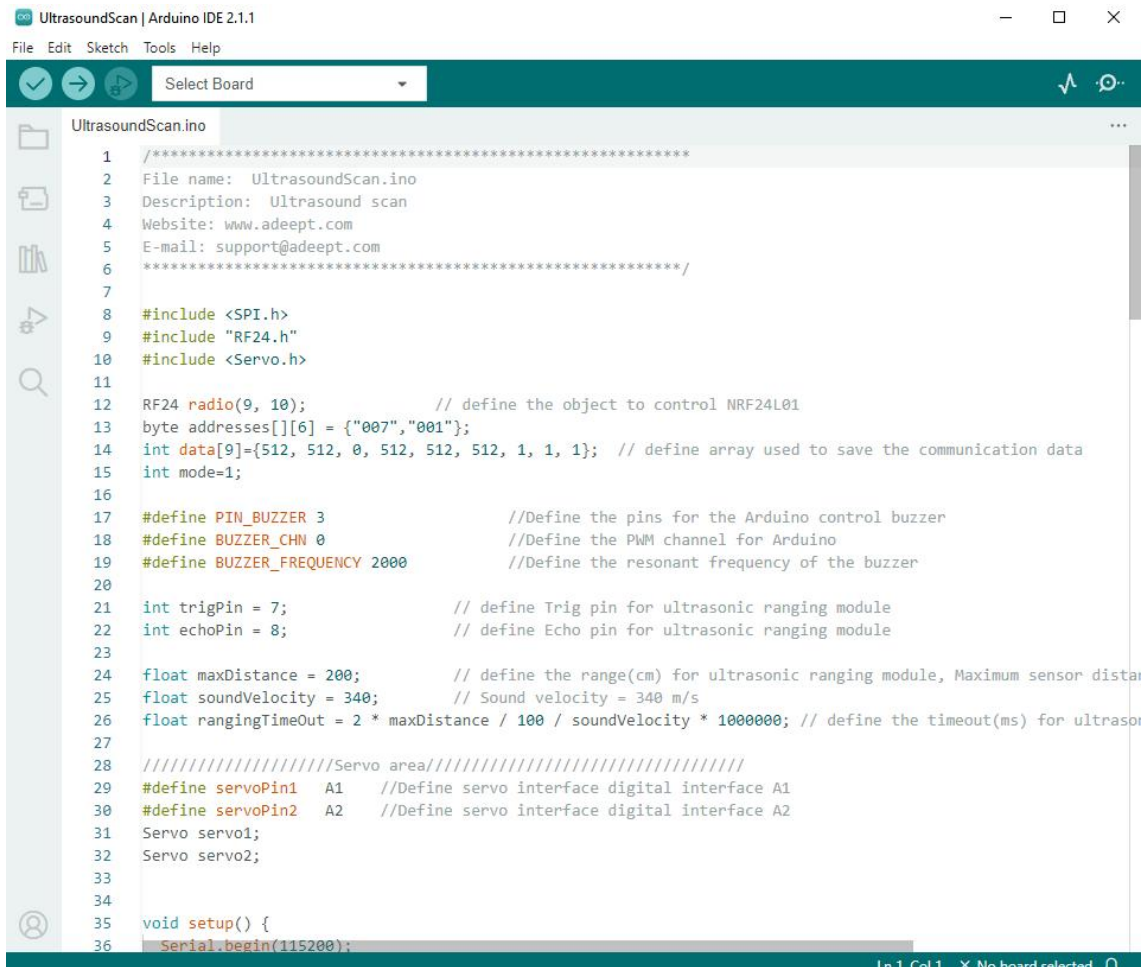
Please make sure that the car has been assembled and the ultrasonic module and servo can be used normally.

Install an external NRF module.



Upload the program to the car

1. Connect your computer and Adeept Robot Control Board with a USB cable.
2. Open “Radar/UltrasoundScan” folder in “[ProcessingCode](#)”, double-click “[UltrasoundScan.ino](#)”.



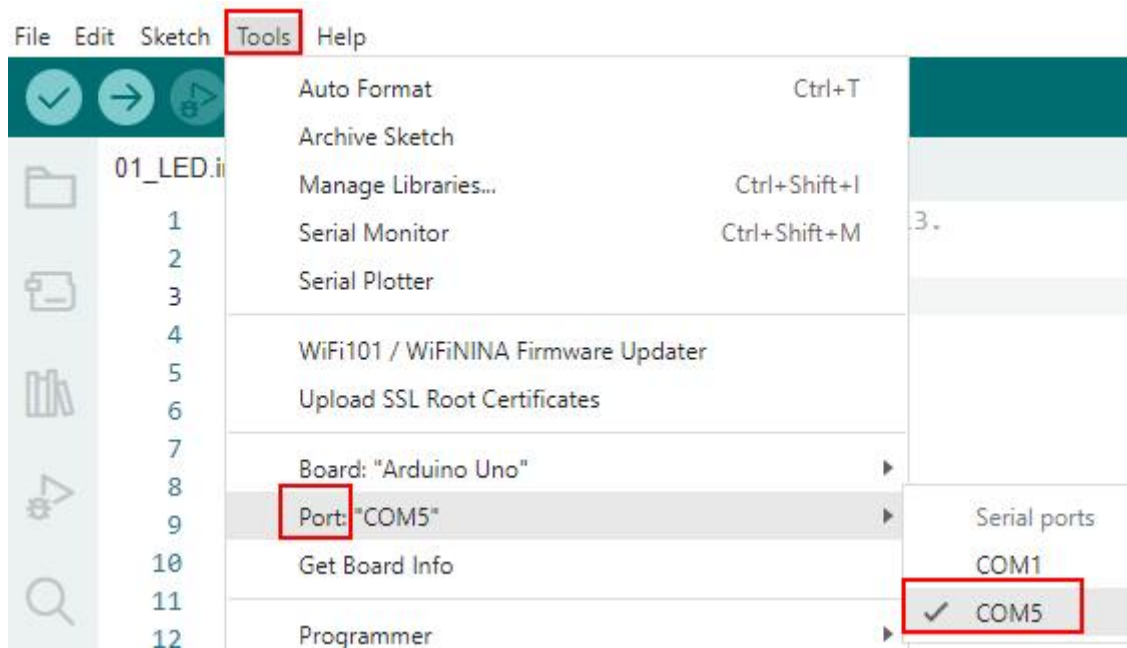
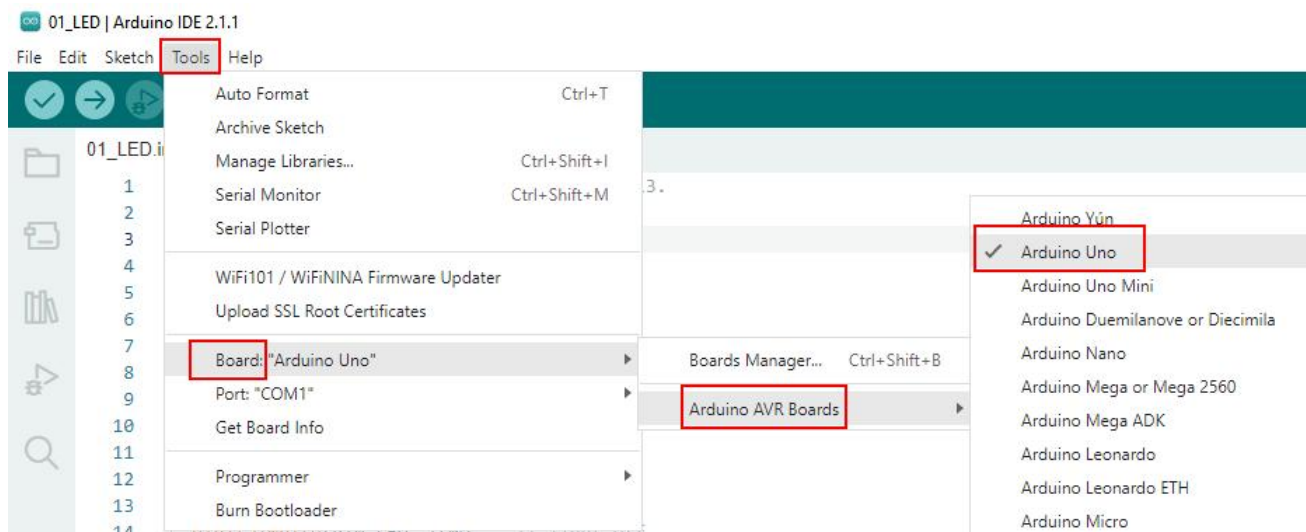
```
1  /*****
2  File name: UltrasoundScan.ino
3  Description: Ultrasound scan
4  Website: www.adeept.com
5  E-mail: support@adeept.com
6  *****/
7
8  #include <SPI.h>
9  #include "RF24.h"
10 #include <Servo.h>
11
12 RF24 radio(9, 10); // define the object to control NRF24L01
13 byte addresses[][6] = {"007", "001"};
14 int data[9] = {512, 512, 0, 512, 512, 512, 1, 1, 1}; // define array used to save the communication data
15 int mode=1;
16
17 #define PIN_BUZZER 3 //Define the pins for the Arduino control buzzer
18 #define BUZZER_CHN 0 //Define the PWM channel for Arduino
19 #define BUZZER_FREQUENCY 2000 //Define the resonant frequency of the buzzer
20
21 int trigPin = 7; // define Trig pin for ultrasonic ranging module
22 int echoPin = 8; // define Echo pin for ultrasonic ranging module
23
24 float maxDistance = 200; // define the range(cm) for ultrasonic ranging module, Maximum sensor dista
25 float soundVelocity = 340; // Sound velocity = 340 m/s
26 float rangingTimeOut = 2 * maxDistance / 100 / soundVelocity * 1000000; // define the timeout(ms) for ultraso
27
28 ////////////////Servo area////////////////////
29 #define servoPin1 A1 //Define servo interface digital interface A1
30 #define servoPin2 A2 //Define servo interface digital interface A2
31 Servo servo1;
32 Servo servo2;
33
34
35 void setup() {
36   Serial.begin(115200);
```


3. Select development board and serial port.

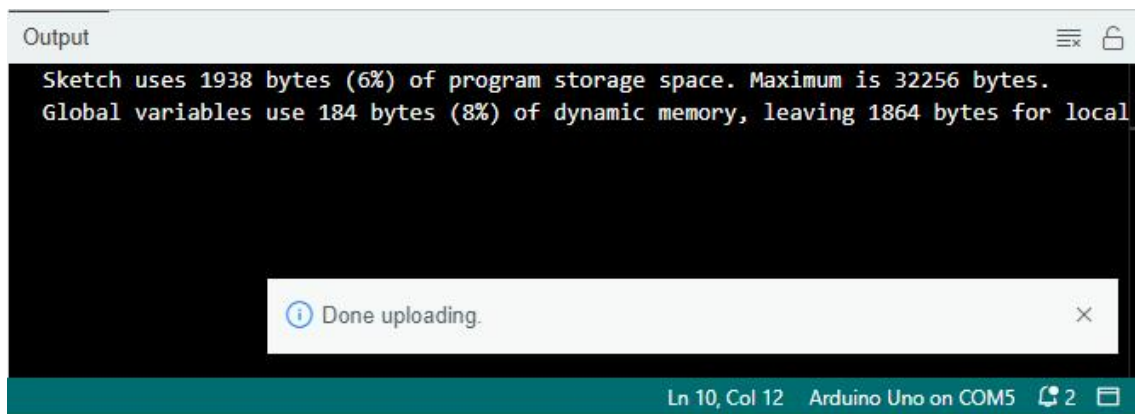
Board: [Tools](#)---->[Board](#)---->[Arduino AVR Boards](#)---->[Arduino Uno](#)

Port: [Tools](#) ---->[Port](#)---->[COMx](#)

Note: The port number will be different in different computers.



4. After opening, click  to upload the code program to the Arduino. If there is no error warning in the console below, it means that the Upload is successful.



After uploading the program successfully, disconnect the USB cable and use the 18650 battery to power the car.