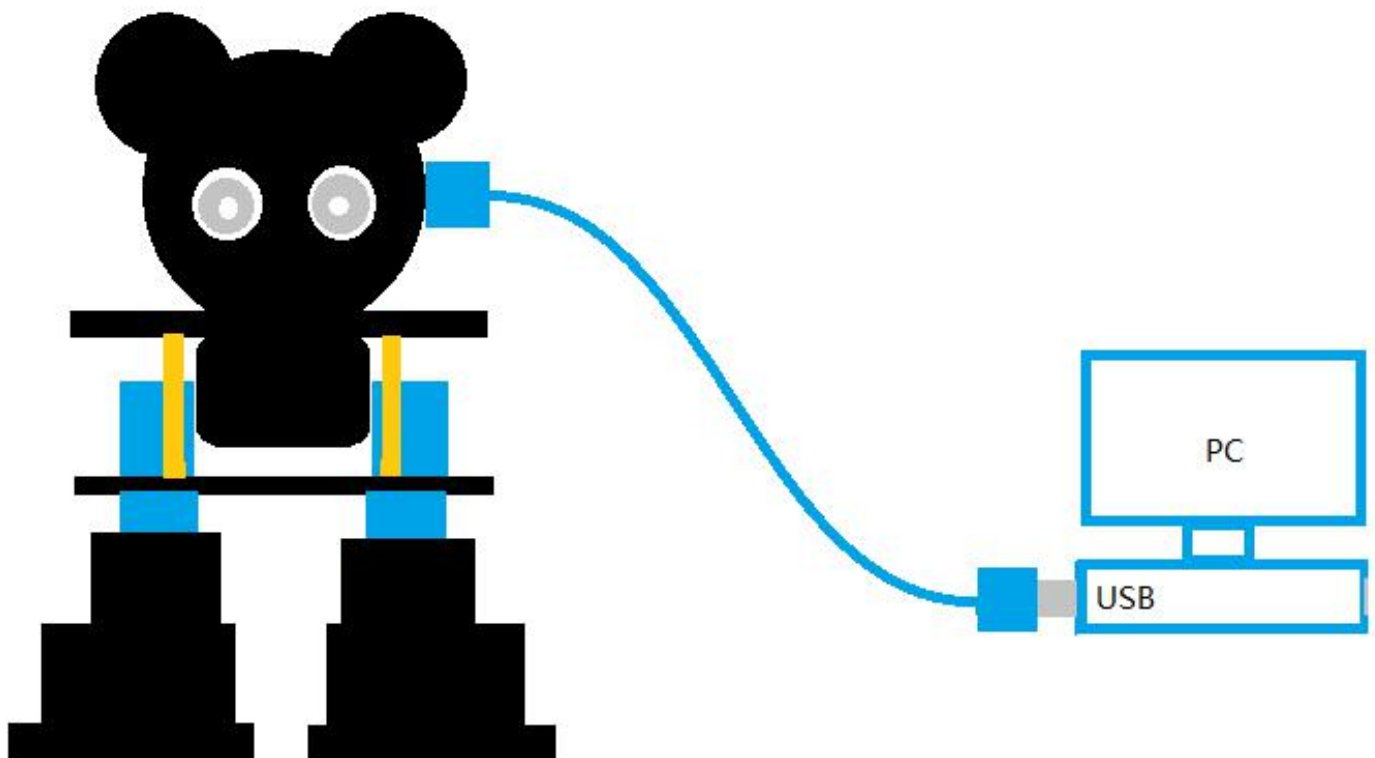

Bluetooth Controlled Robot

Need to prepare:

- ◆ A Installed balance car
- ◆ 2 18650 lithium batteries
- ◆ A Android phone
- ◆ A USB cable

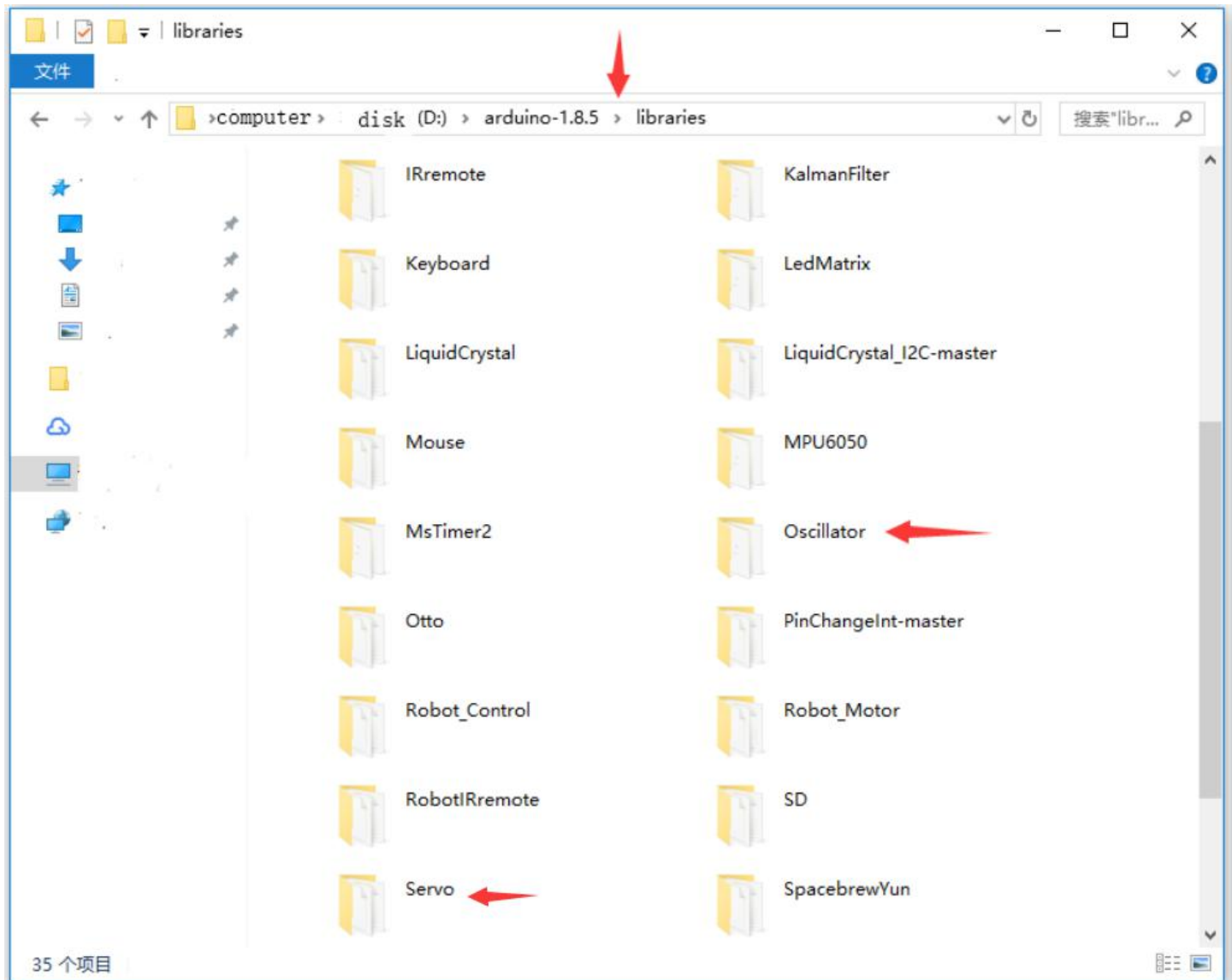
Note: When uploading the code, please do not install the Bluetooth module on the robot, otherwise the code will not upload.

1.Connect the robot and computer



2.Install library file:

First, copy the "Oscillator" and Servo "" library files under the "libraries" file to the "libraries" file in the ardino IDE installation directory, as shown below:



3.Upload the sample code

Then use the arduino IDE to open the code stored in the >bluetooth_controlled_robot folder, as shown below:

Note: When uploading the code, please do not install the Bluetooth module on the robot, otherwise the code will not upload.

```
lesson_9 bluetooth Controlled Robot

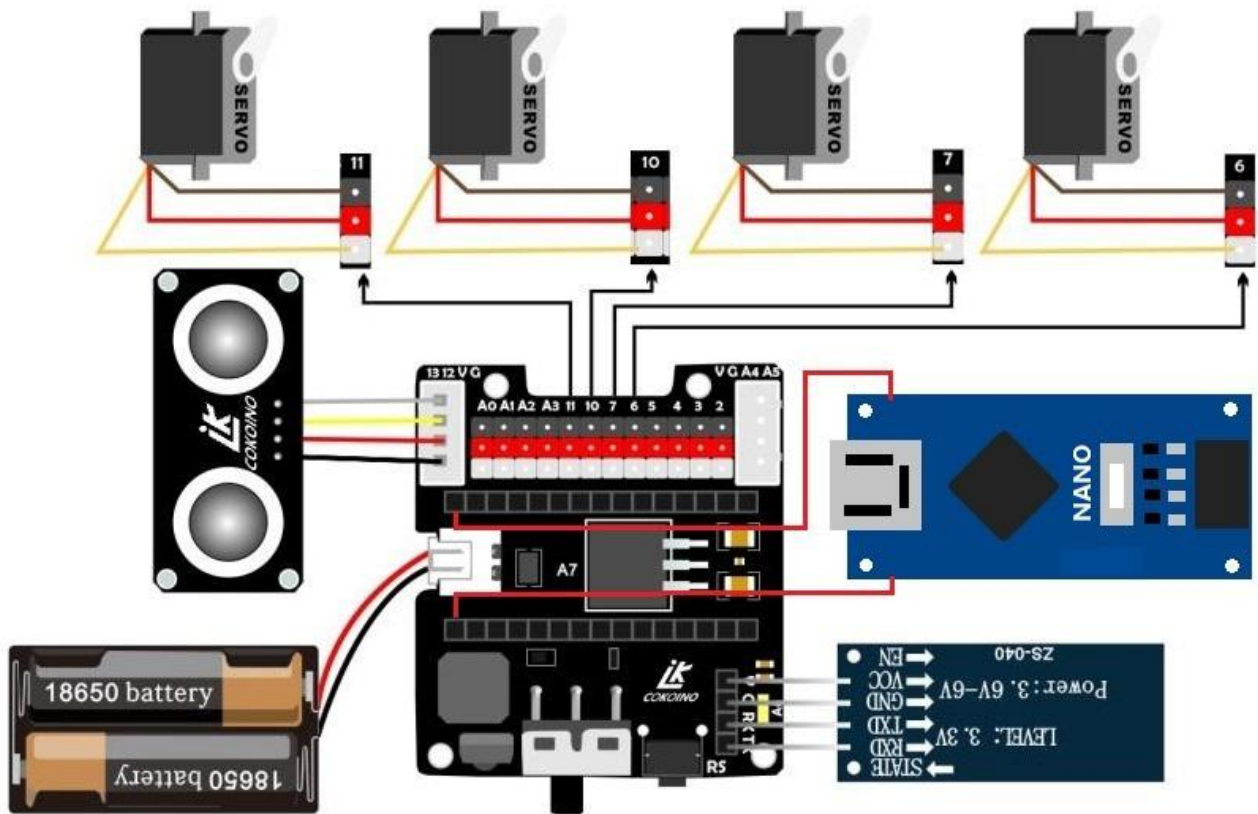
bluetooth_controlled_robot

#include <Servo.h>
#include <Oscillator.h>
#include <EEPROM.h>

#define N_SERVOS 4
//— First step: Configure the pins where the servos are attached
/*
  | 0 0 |
  |-----|
YR 6=> |   | <= YL 11
  |-----|
      ||  ||
      ||  ||
RR 7=> |-----| <= RL 10
      |-----|
*/
#define EEPROM_TRIM false
// Activate to take calibration data from internal memory

Arduino Nano, ATmega328P on COM3
```

Install the 18650 lithium battery, plug in the Bluetooth module, and turn on the robot's power switch of the shield.



4.Set mobile APP parameters

Please refer to the Lesson 3 - HC-06 Bluetooth module to install and connect the Bluetooth module, open the parameter setting page, and set the parameters as shown below:

