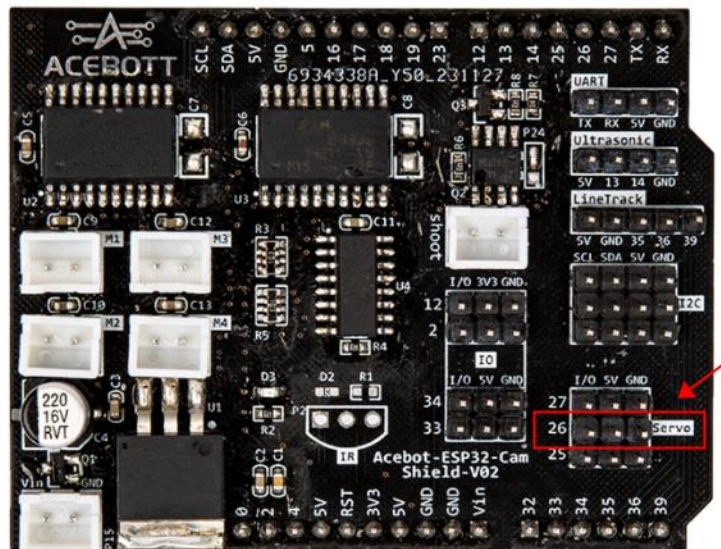


## Prepare

### 1.Servo Angle Calibration Method

Connect the black MG995 servo module to the 26th interface of the ESP32 expansion board, ensuring the gray wire of the servo aligns with GND. Then, use a USB data cable to connect the computer to the ESP32 mainboard. After powering on, upload the servo angle calibration program. This step is to pre-adjust the servo angle to facilitate the subsequent assembly.

[\[Click here to get the servo calibration initialization program\]](#)



### 2.Assembly Steps

Follow the steps to assemble the water gel blaster car : [\[Click here to get the assembly steps for Shooting Car A\]](#)

### 3.APP Download (Skip if already downloaded)

(1) If you have an iOS device, search for the keyword "ACEBOTT" in the App Store and download the app. If you have an Android device, search for the keyword "ACEBOTT" in the Google Play Store and download the app. The icon is shown below.

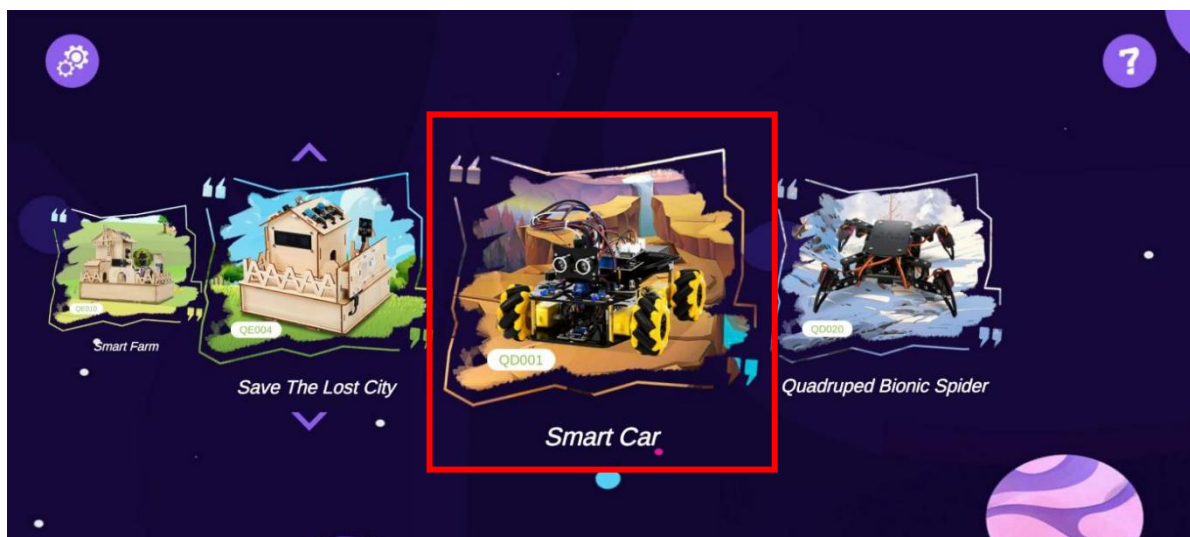


Note: 1. This tutorial is applicable to ACEBOTT APP version 2.0 and above. You can click the settings button in the upper left corner of the APP to view the software version number. Please make sure that the software version you are using meets the requirements; 2. If you need to update the ACEBOTT software version, you can refer to the method prompted in this tutorial to download the latest APP version.

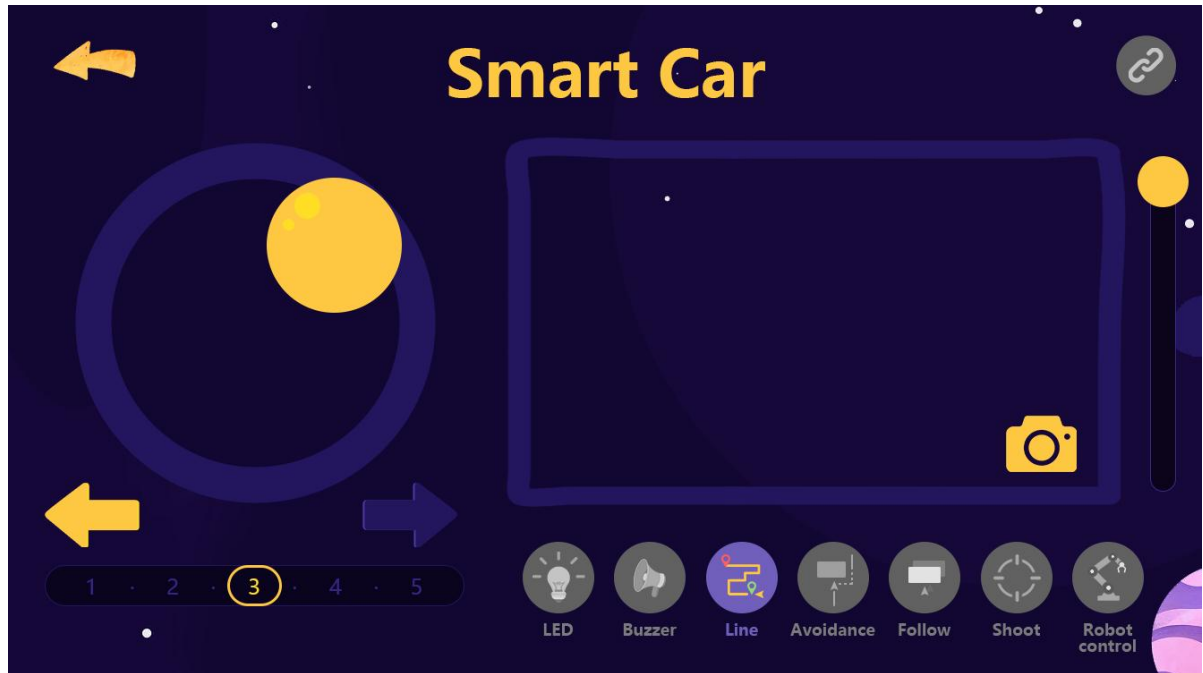
(2)After opening the app, you will enter the splash screen.



(3)Enter the selection interface and select Smart Car.



(4)Enter the water gun car control interface (it cannot be directly controlled yet, and the program needs to be burned).



## 4.Program burning

### (1)Shooting Car APP Control Program





































The app cannot control the shooting car directly yet, as the control program needs to be flashed onto the car's ESP32 mainboard first.

Connect the USB data cable between the computer and the shooting car's ESP32 mainboard. Before uploading, ensure the car's power is turned on.

Shooting car program: [\[acebott-esp32-car-shoot-005 program\]](#)

### (2)Connect to WiFi

Scan for WiFi on your phone (disable GPRS and other shared networks, ensuring WiFi is the only network in use) by navigating to "Settings" → "WLAN". Connect to the WiFi hotspot named "ESP32-Car" with the password 12345678, as shown below.

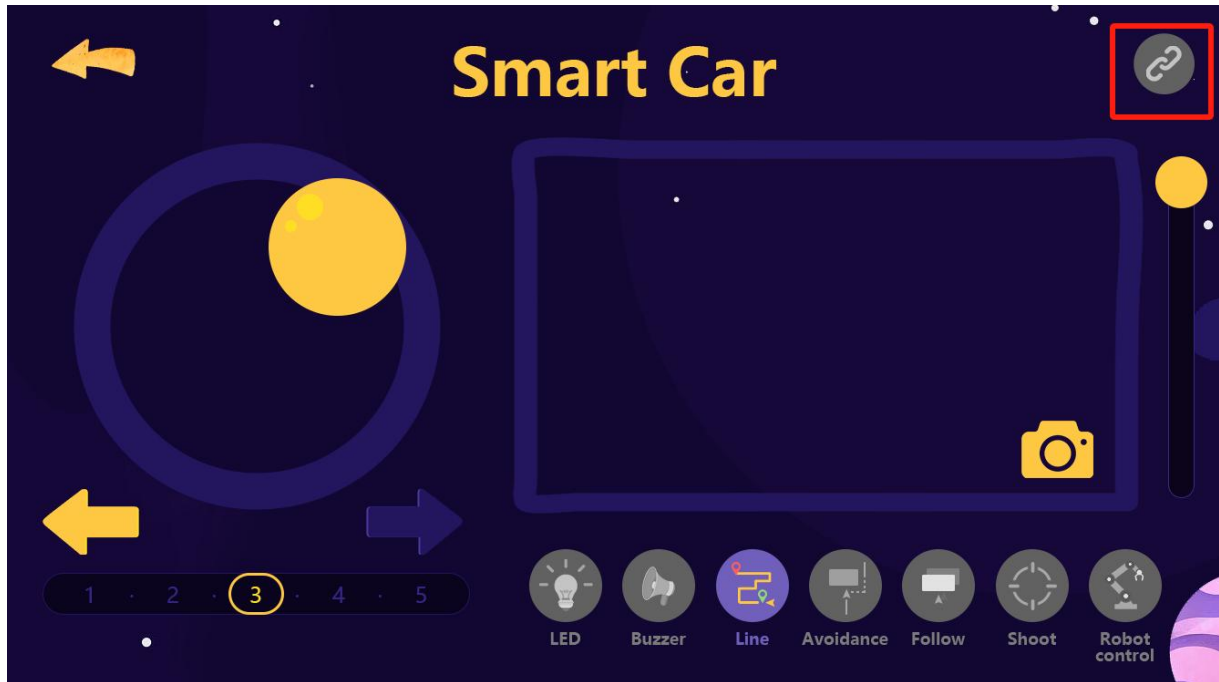
BFMY-5G	  
BHAMMA 2.4G	  
CFG_2G	  
ChinaNet-d26e	  
ChinaNet-QM4V	  
ChinaNet-rwbm	  
DIRECT-AuM267x 287x Series	  
DSAP	  
dxs	  
ESP32-Car	  
HxSmart	  
QY2021	  

Note:The WiFi name and password can be customized. When we have multiple smart cars, we can distinguish each one by assigning different WiFi names.

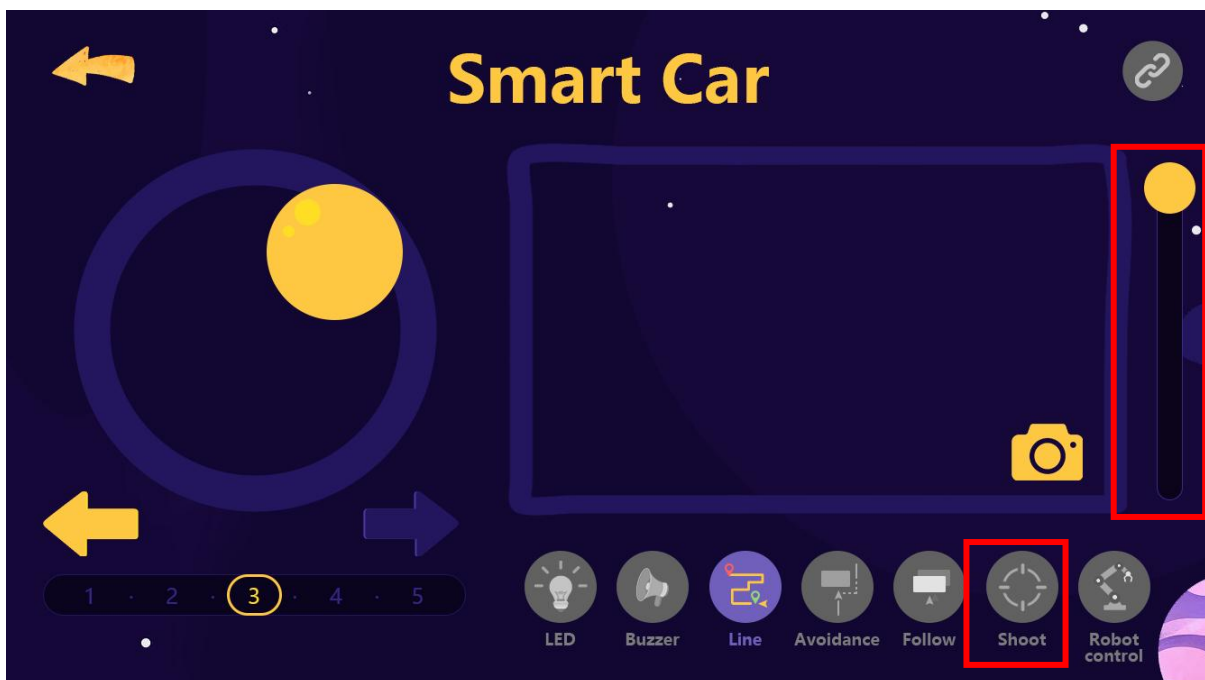
```
const char *ssid = "ESP32-Car";  
const char *password = "12345678";
```

### (3) Control with the APP

① After connecting to the WiFi, tap the connection icon in the top right corner of the APP to complete the connection.



②The app features joystick and arrow controls for maneuvering the water gel blaster car. Below the arrows, numbers 1 through 5 indicate the speed of the smart car's movement. Beneath the square, there are various functions corresponding to different hardware modules. Clicking the "Shoot" button triggers the water gel blaster to fire. Adjacent to the square, a vertical slider allows for adjusting the aiming angle of the water gel blaster.



## **5.Other**

The first shooting of the water bomb gun may cause no sound due to the internal resistance, do not worry, at this time you can fire several times on the APP.