

2.1 APP Remote control operation

1. Please use your mobile phone scan QR code on the cover of the Instruction manual, download and install the YahboomRobot APP.

Note: During installation, If you find any prompts on your phone (for example: location permissions of your phone). You must select "Allow".

2. Download Omniduino_APP_control_code.ino. Turn on the power switch , wait for the car to initialized. (When brightness of the bottom 4 green RGB light reaches the maximum, it means the initialization is completed.)

About how to download code, please refer to **【3.Development Environment Construction】**.

!Note: You must carefully read all the courses in **[3.Development Environment Construction]** before you can successfully compile and upload the program.

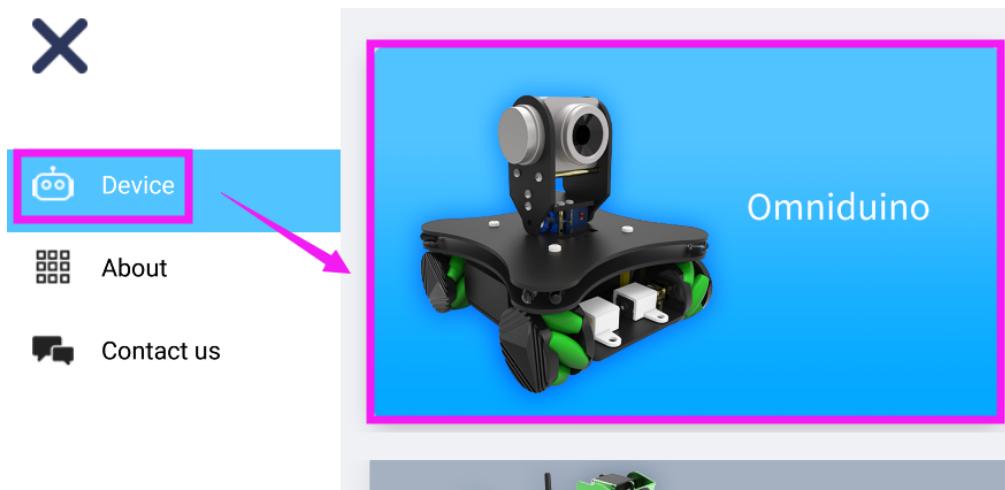
3. Turn on the phone to search for the WIFI signal and connect the Yahboom_WIFI, no need password, just click on the connection. Some mobile phones may promptly disconnect without network data, and you can click again to connect.



4. Open the YahboomRobot APP.

!Note: When you open it for the first time, it will be prompted to get some permissions, you must select "Allow".

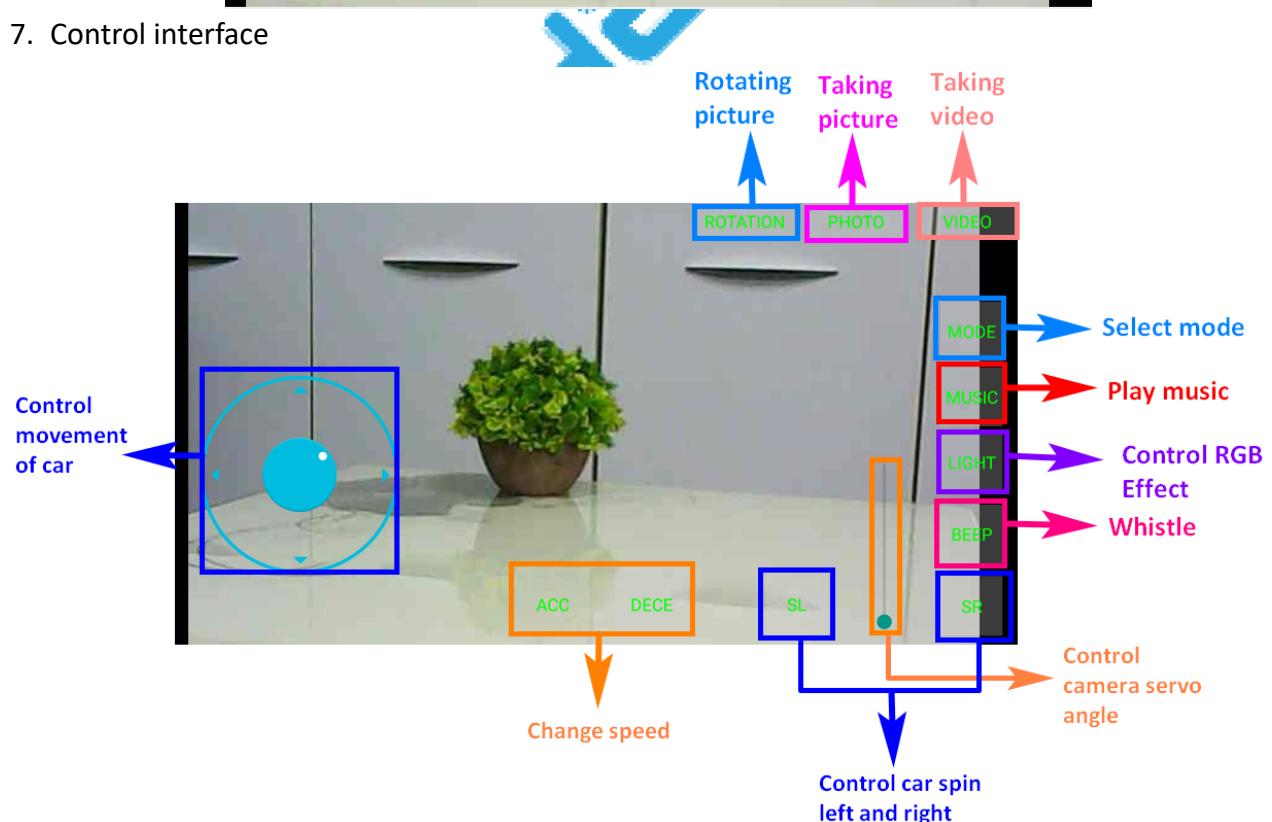
5. Click on the menu icon in the upper left corner of the APP . In the device column, you need to select Omniduino. As shown below.



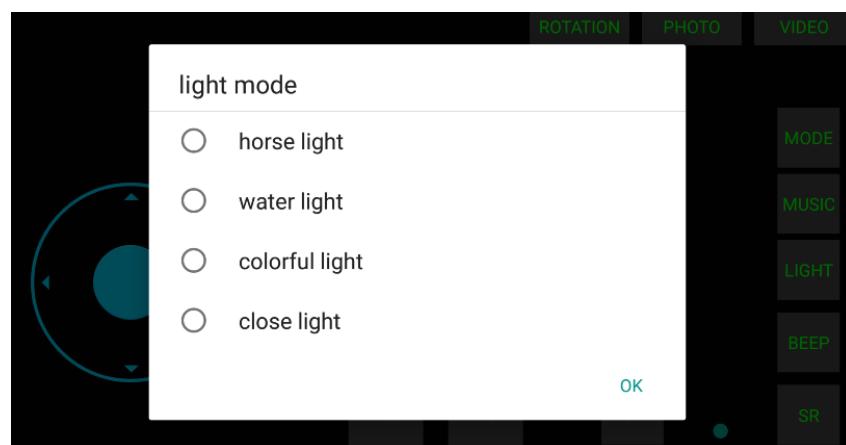
6. Click on the picture to enter the remote control interface of the omniduino car.



7. Control interface



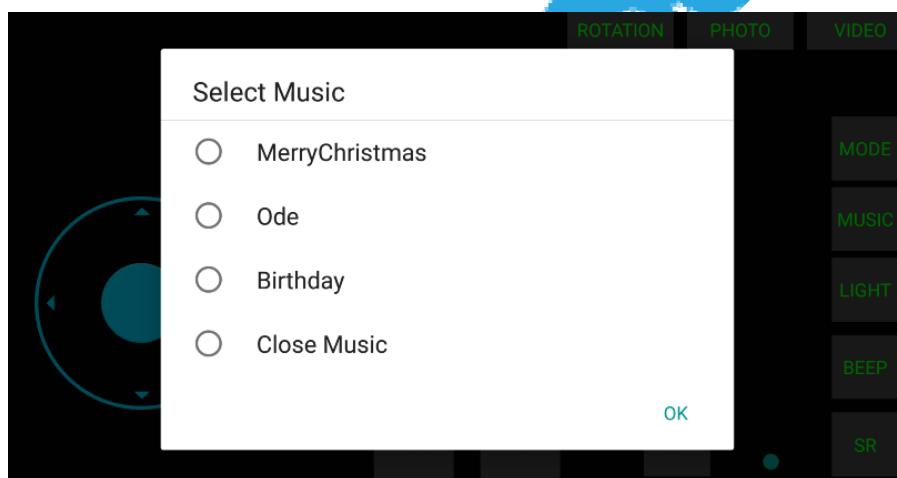
About LIGHT:



Clicking the corresponding button will implement the corresponding RGB light effect. Clicking the close button will turn off the RGB light.

About MUSIC:

Music: The buzzer plays the song, each time you click it, slides to the bottom to have the option to turn off the music, or it will stop automatically after playing a song.



About MODE:

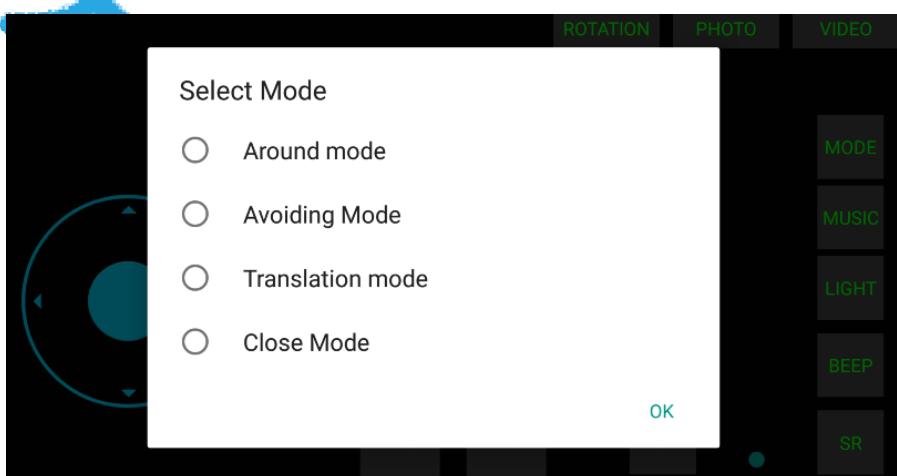


Diagram of Around mode as shown below:

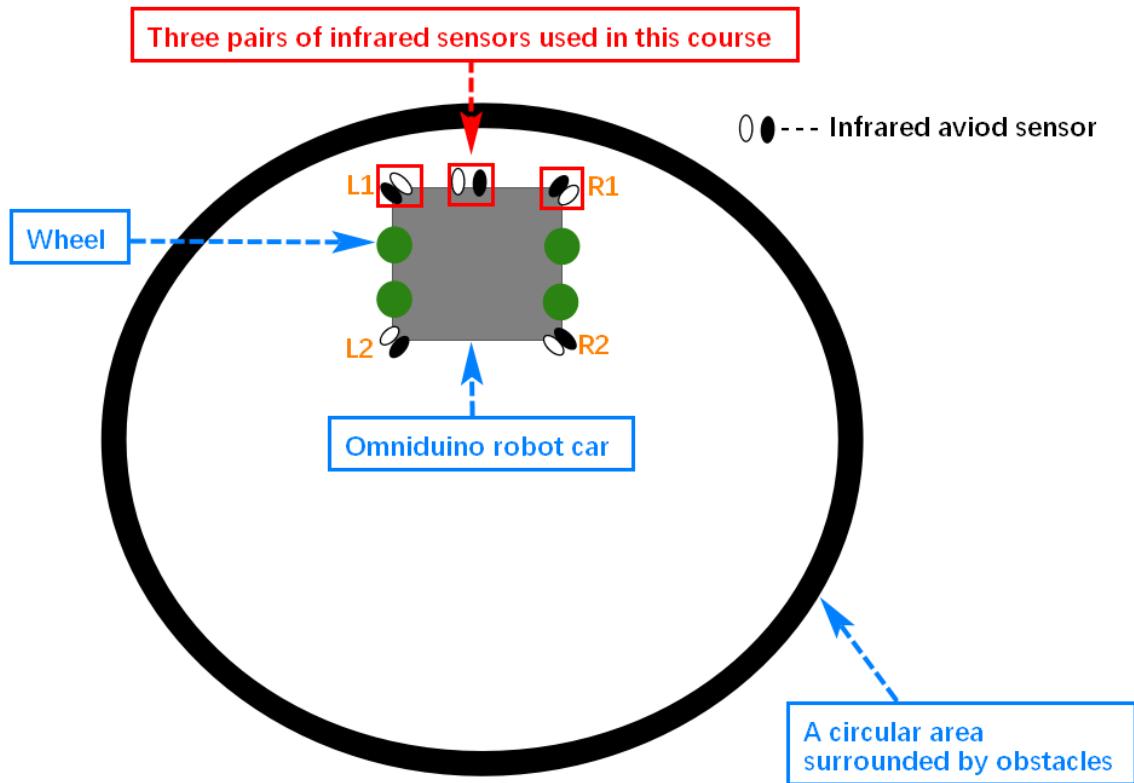
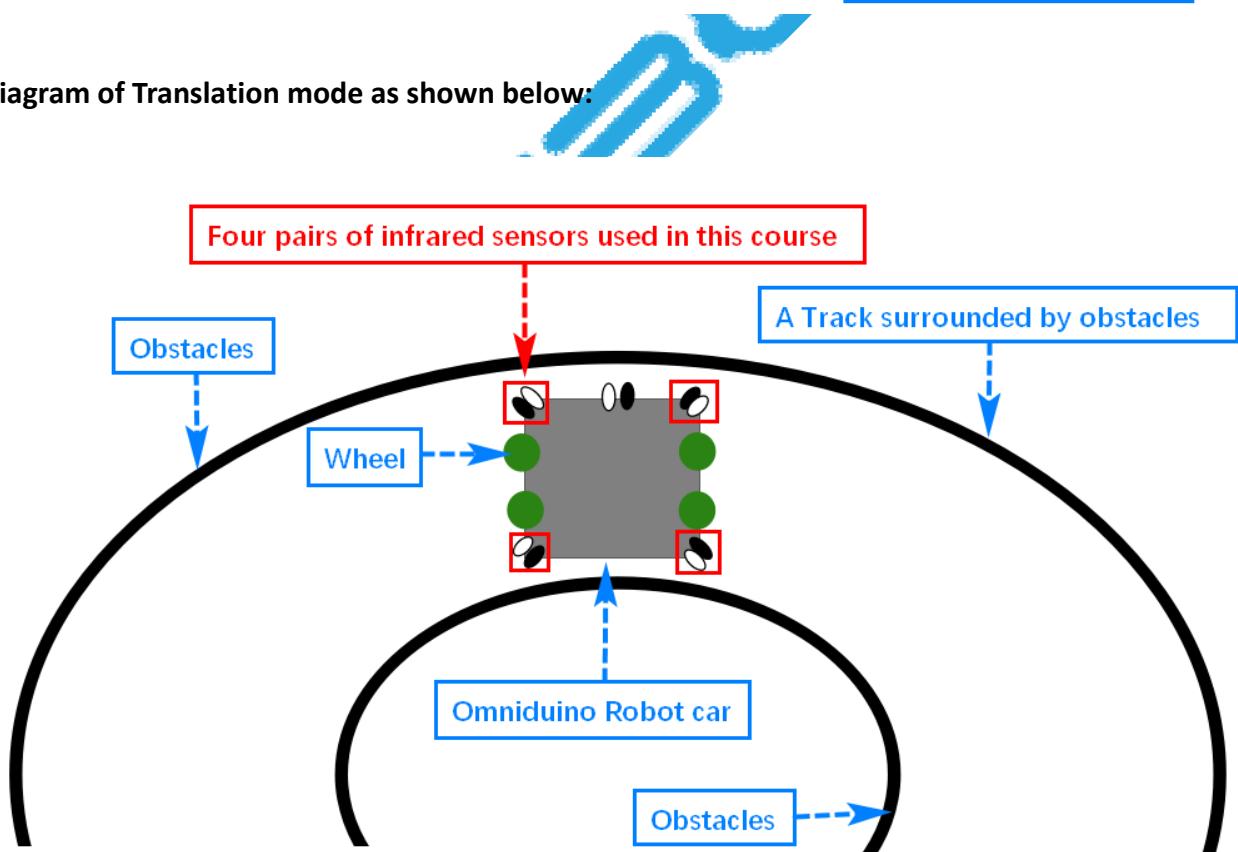


Diagram of Translation mode as shown below:



The entire interface will display the image captured by the camera.

ROTATION: Rotate the image displayed by the camera by 90 degrees and rotate it 90 degrees with each click.

PHOTO: After the photo is taken successfully, it will prompt the path where the image is saved.

VIDEO: Click to start recording, the button will change to stop recording, and click again to stop recording.

Tip:

V1.1 version of the program adds the auto-stabilization function of the car.

After each remote control of the car, the car will record the current gyroscope angle once stopped.

If there is an external force to change the direction of the car (non-APP remote control), the car will automatically rotate back.

The position after turning may not be exactly the same as the original, but the direction of the car's head will be about the same as the original. Because the data provided by the sensor has a certain error value, ± 3 degree error is allowed in the program, otherwise the motor of the car Will keep ringing.