

Omibox robot First Trial

Omibox programmable robot comes with the factory program. After assembles, turn on the power switch of Omibox.

The dot matrix screen will scroll back and display “OMIBOX”, then, the eyes will start to scroll, then, the buzzer will emit different tones and accompany the light display.



After the light is off, we can control the Omibox programmable robot by Bluetooth remote control or red and green button .

(When the button is pressed, the Bluetooth remote control mode will be automatically exited. When the Bluetooth remote control is started, the button control will be automatically exited.)

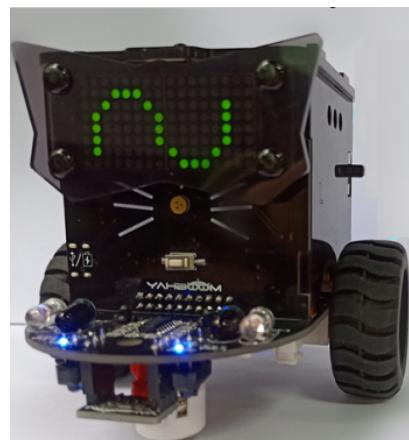
If it in a dark environment, Omibox will go to sleep, and the dot matrix will show “ZZZ” and start to breathe the light (just like going to sleep).



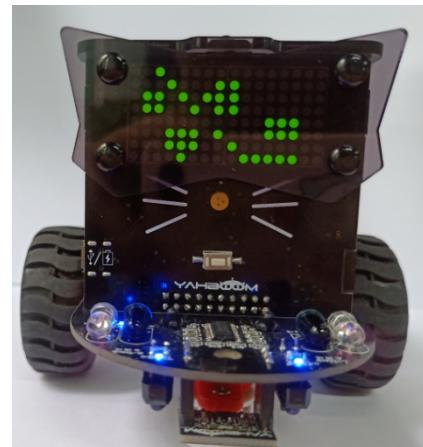
When it in normal lighting, we can control the Omibox programmable robot with two buttons or Bluetooth APP.

Button control:

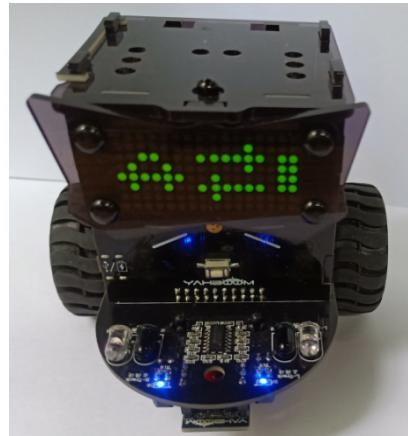
When we press the red button for the first time, the buzzer plays music --- the eye effect on the dot matrix screen is cleared and the Tracking pattern is displayed (indicating that Omibox enters the Tracking mode) ---we need to press the green button to start Tracking Mode (with expression changes during the Tracking) . And it will always be in this state.



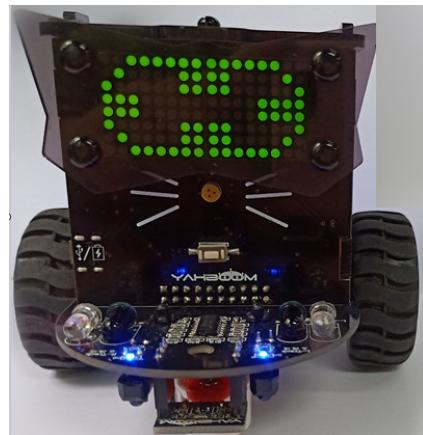
When we press the red button for the second time, the buzzer plays music --- the eye effect on the dot matrix screen is cleared and the Avoid pattern is displayed (indicating that Omibox enters the Avoid mode) ---we need to press the green button to start Avoid Mode (with expression changes during the Avoid) . And it will always be in this state.



When we press the red button for the third time, the buzzer plays music --- the eye effect on the dot matrix screen is cleared and the Follow pattern is displayed (indicating that Omibox enters the Follow mode) ---we need to press the green button to start Follow Mode (with expression changes during the Follow) . And it will always be in this state.



When we press the red button for the fourth time, the buzzer plays music --- the eye effect on the dot matrix screen is cleared and the Color Recognition pattern is displayed (indicating that Omibox enters the Color Recognition mode) ---we need to press the green button to start Color Recognition Mode (with expression changes during the Color Recognition) . And it will always be in this state.



When we press the red button for the fifth time, the buzzer plays music --- the eye effect on the dot matrix screen is cleared and the Voice control pattern is displayed (indicating that Omibox enters the Voice control mode) ---we need to press the green button to start Voice control Mode (with expression changes during the Voice control) . And it will always be in this state.





When we press the red button for the sixth time, the buzzer plays music --- the eye effect on the dot matrix screen is cleared and the Tracking pattern is displayed (indicating that Omibox enters the Tracking mode)

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If you want to use Bluetooth remote control, please follow the steps below:

1. Download Bluetooth Remote APP

For Android users, please use the browser to scan the QR code to download the APP and install it. Apple users should use the camera to scan the QR code to enter the App Store to download and install the APP.

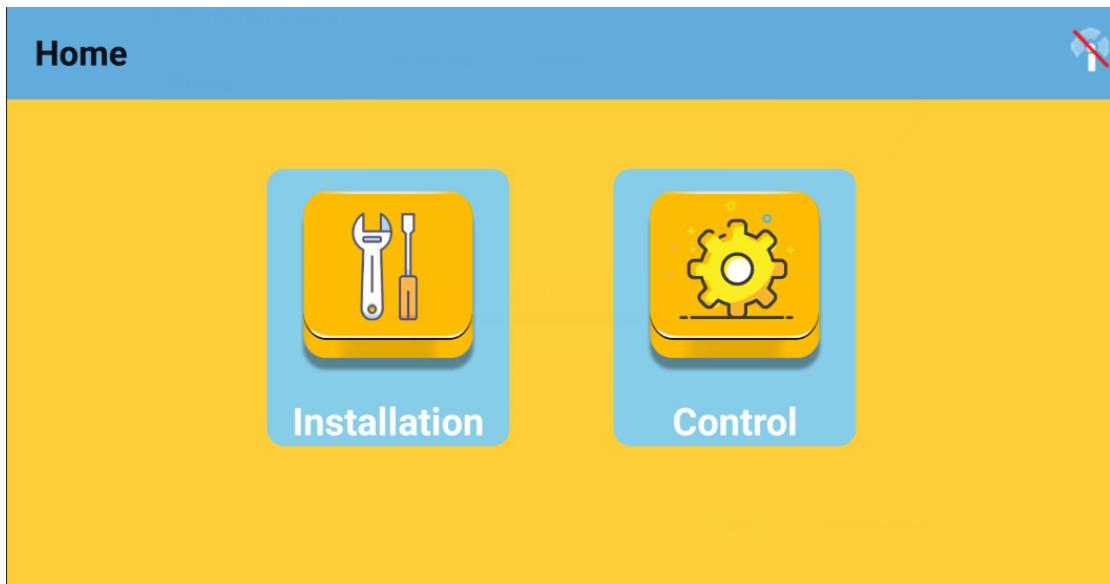
(For Android users,Please click [here](#) to download the APP)



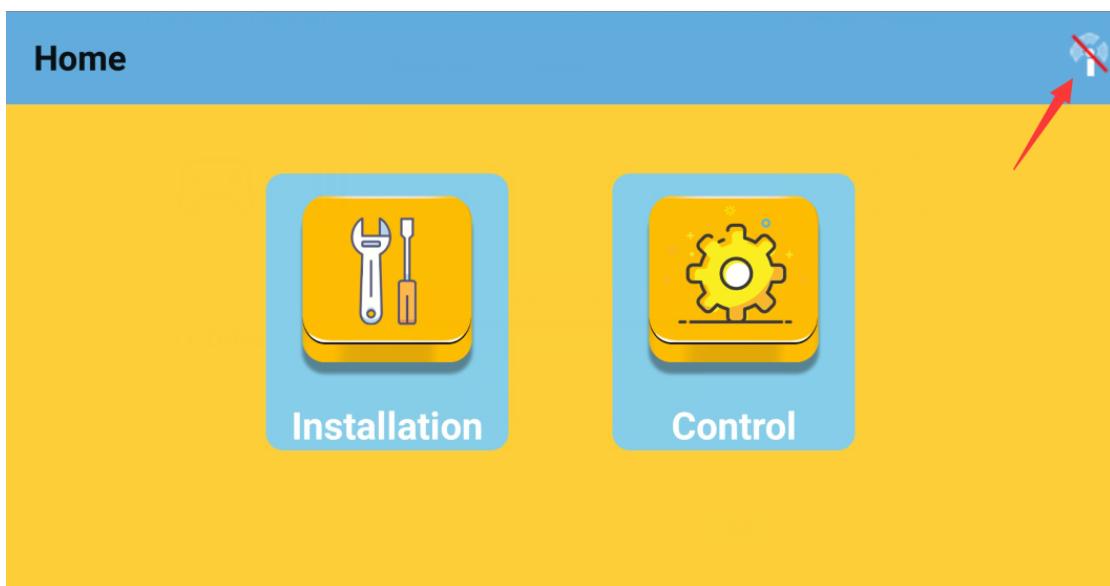
! ! ! Note: If there is any prompt to obtain permission during the installation, please select [Yes] or [Agree],
For example, you need to obtain the geographical location information.

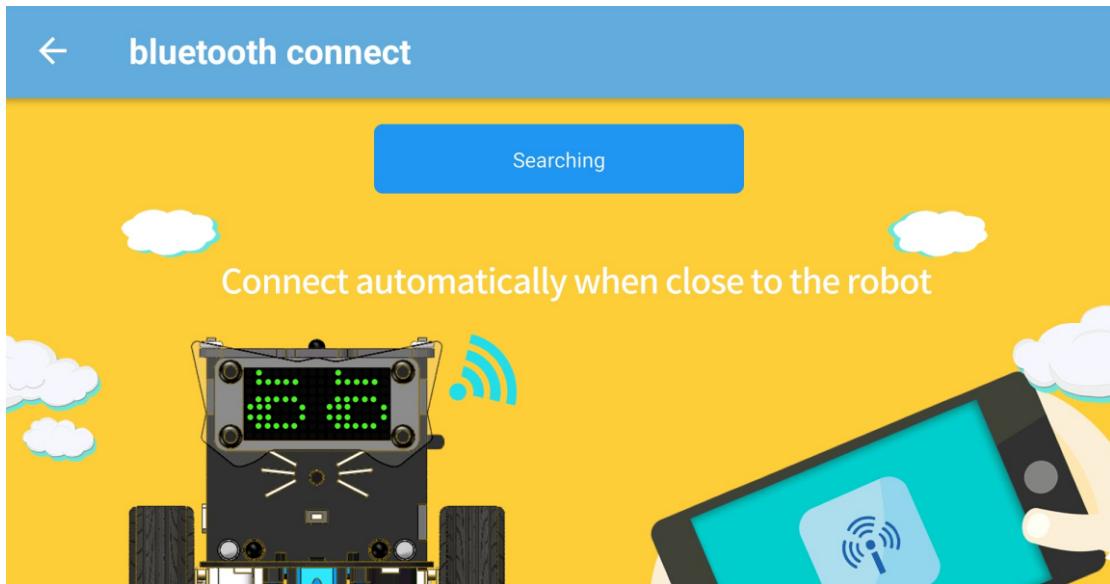
2. Connect Bluetooth

2.1 Open the power of the OmiBox programmable robot. And turn on the Bluetooth of mobile phone, open the Bluetooth APP software. You will see the APP interface as shown below.

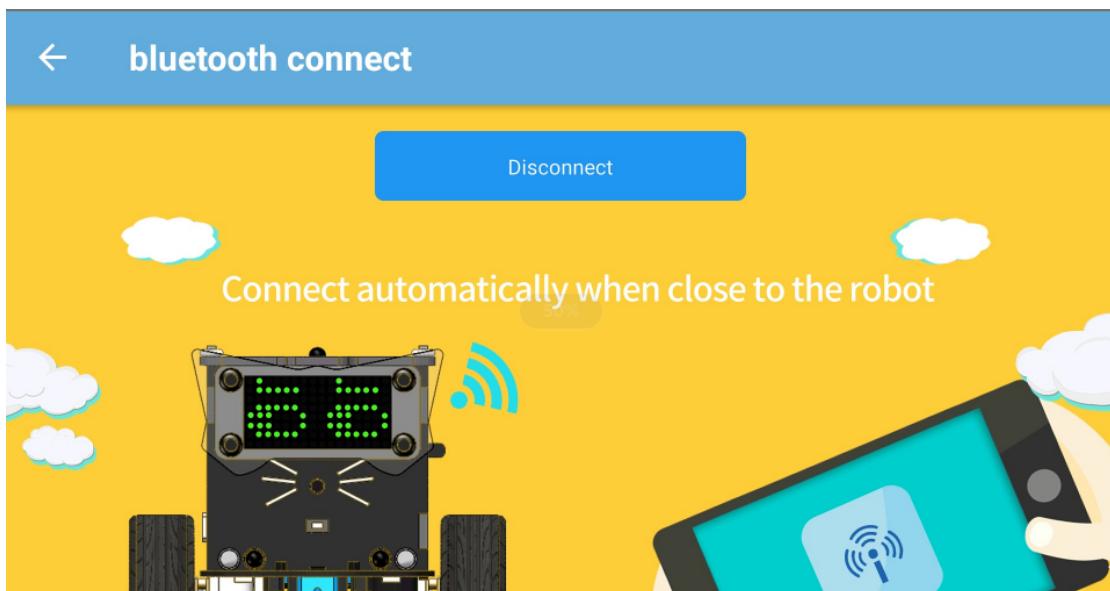


2.2 Click the icon in the top right corner to connect to Bluetooth. Connect automatically connect when close to the robot.
If it is not connected, you can click “**Search Bluetooth**” at the top of the screen to connect.

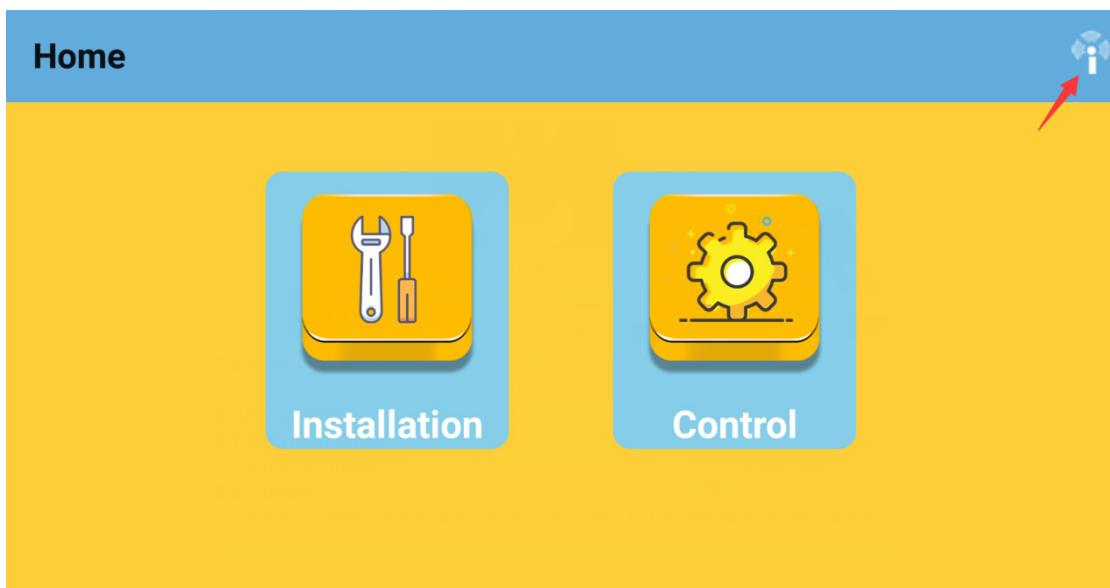




After connecting, the APP will jump to the interface as shown below.



2.3 Next, you can back to the APP homepage. You will see the APP interface as shown below.



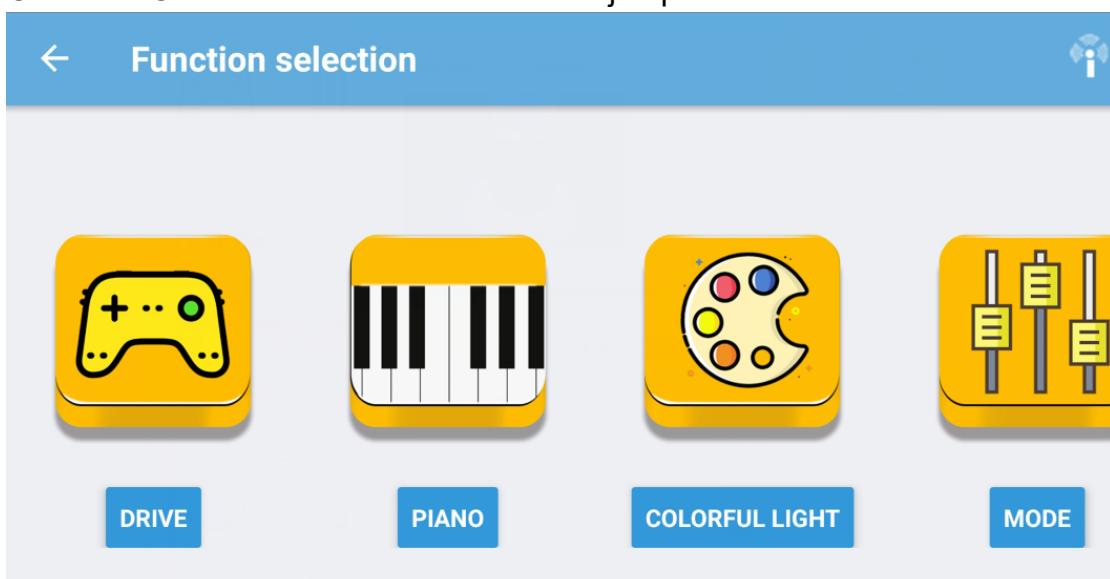
3. Use of APP

3.1 Learning options

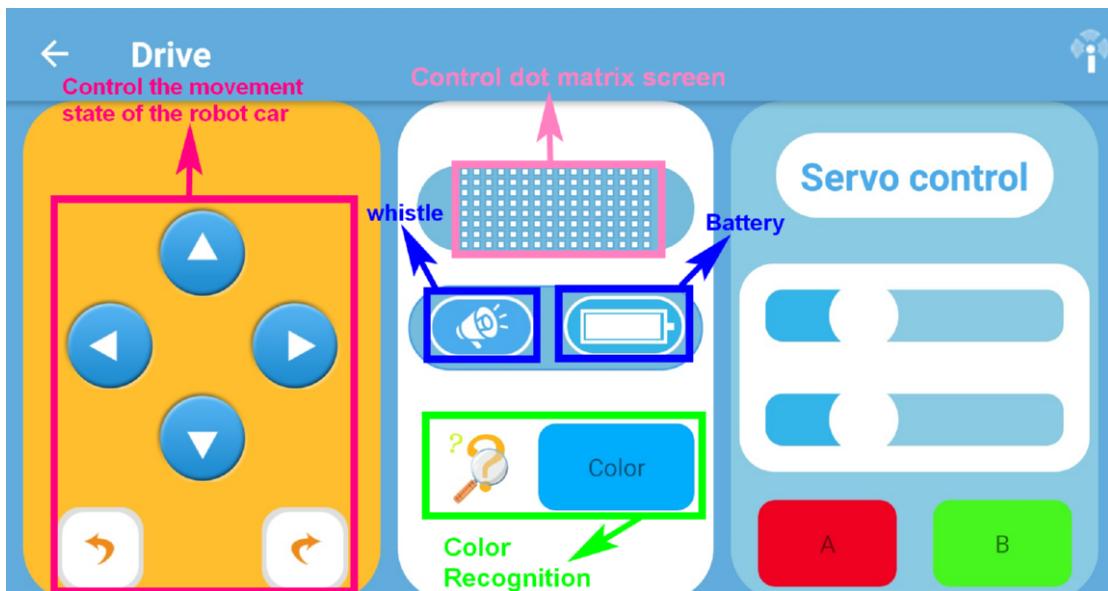
Click on the "Installation" button to view the assembly steps of the robot.

3.2 Control

Click the "Control" button and the APP will jump to the interface shown below.



(1) Drive



The left side is the button that control the robot to advance, back, turn left, turn right, spin left, and spin right;
The middle is to control the dot matrix screen, whistle and display the current battery power;
The left side is the button that control the angle of rotation of the robot servo.
(This function needs to be plugged in to the servo to be used)

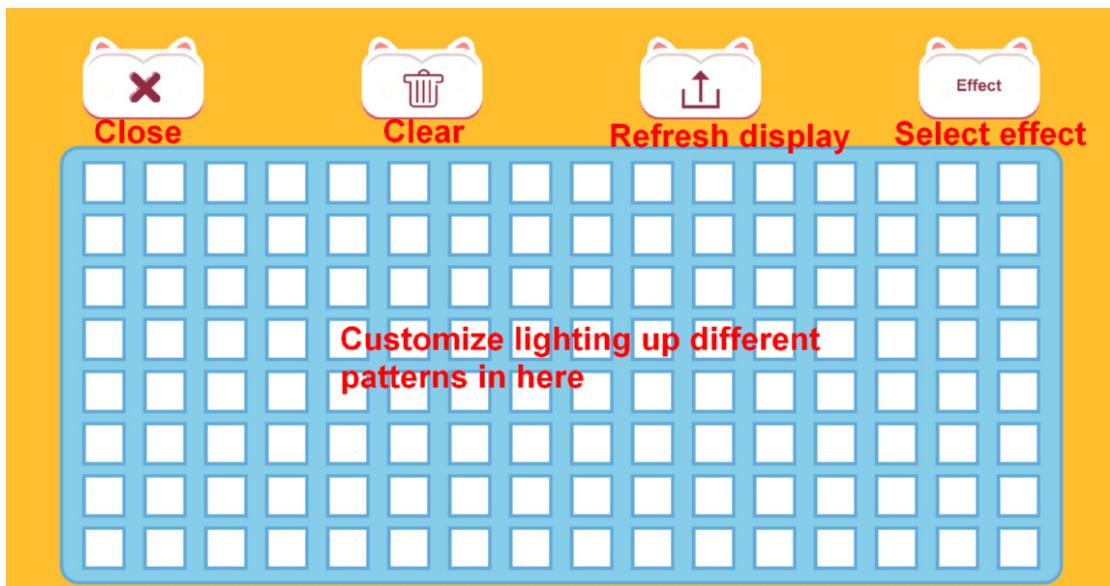
About the color recognition:

We need to put Omibox robot on the red, blue, green, and white colors of our color track, we can see that the APP shows the corresponding color.
!!!Note: These four colors are currently only recognized in here.

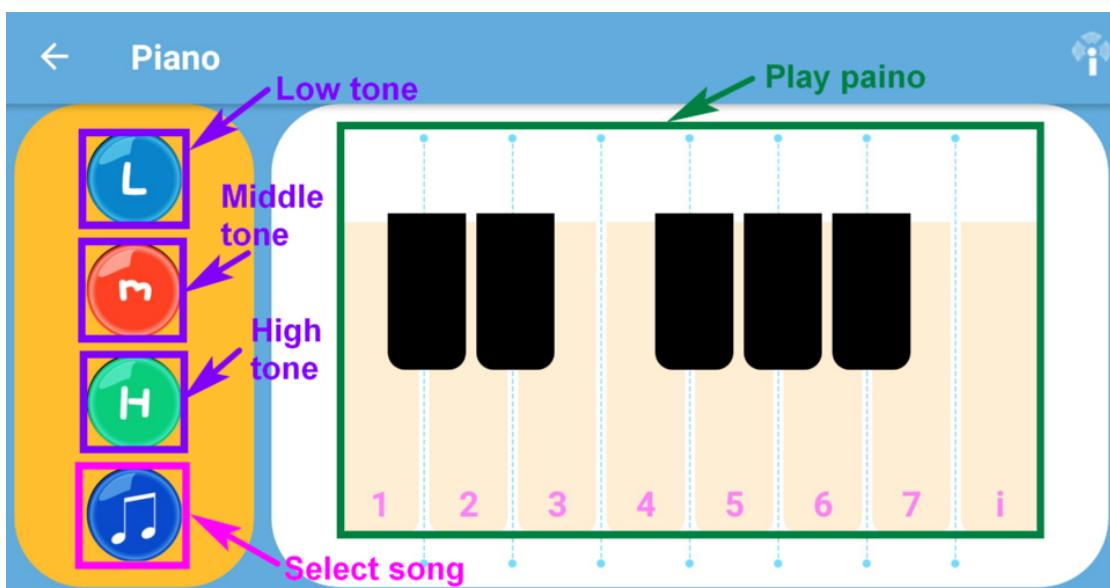
About the dot matrix display:

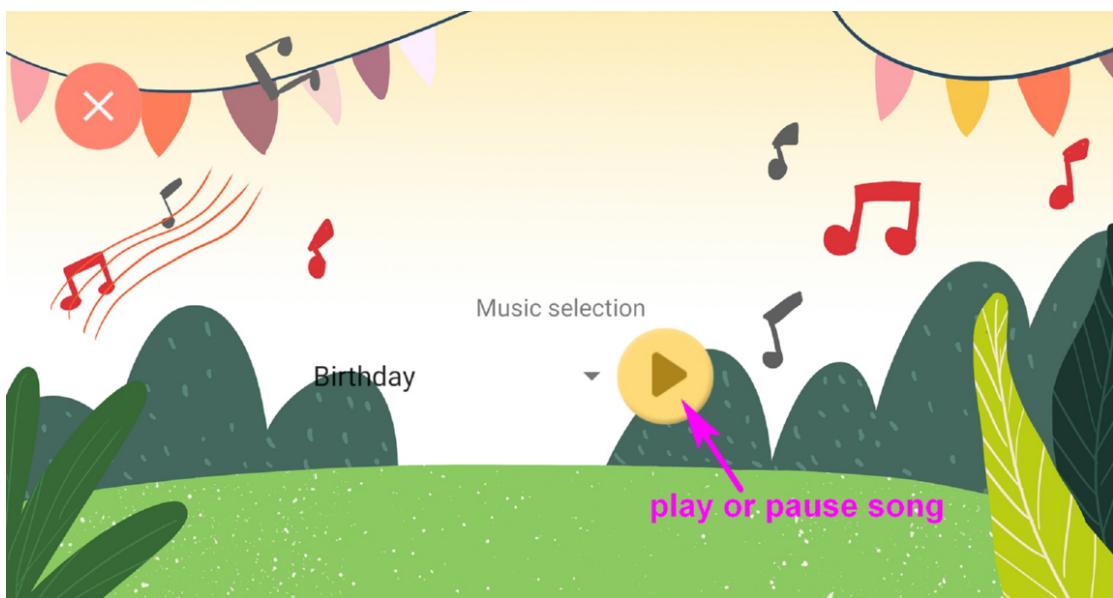
! ! ! note:

When we customize some patterns in the APP interface, the robot's dot matrix screen may not be fully synchronized. In this case, we need to click [Refresh Display] button, then we can see that the robot's dot matrix screen shows the same of picture.



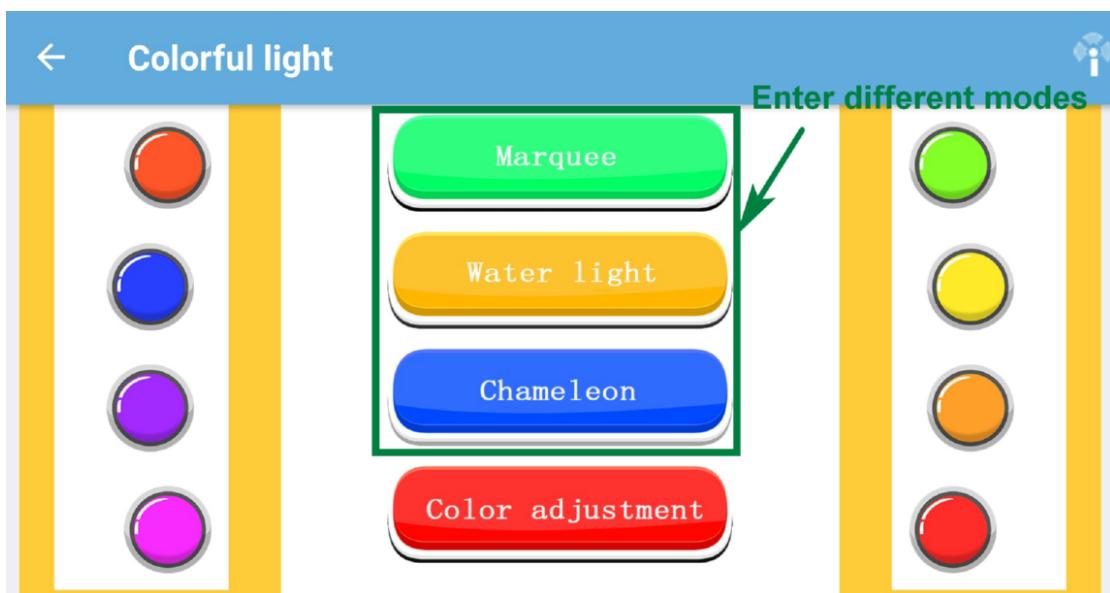
(2) PAINO





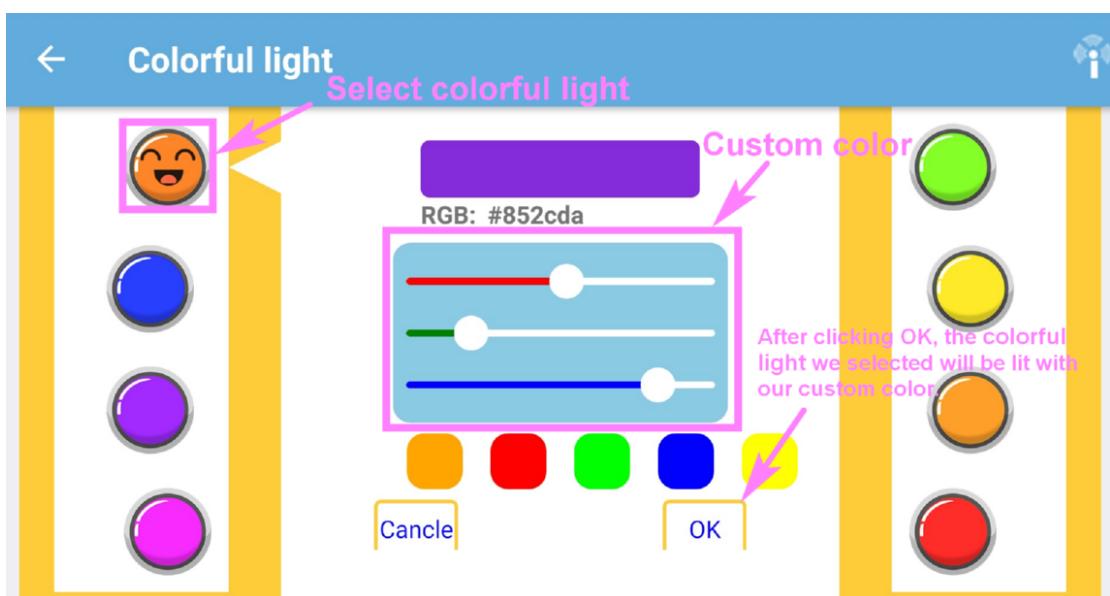
(2) COLORFUL LIGHT

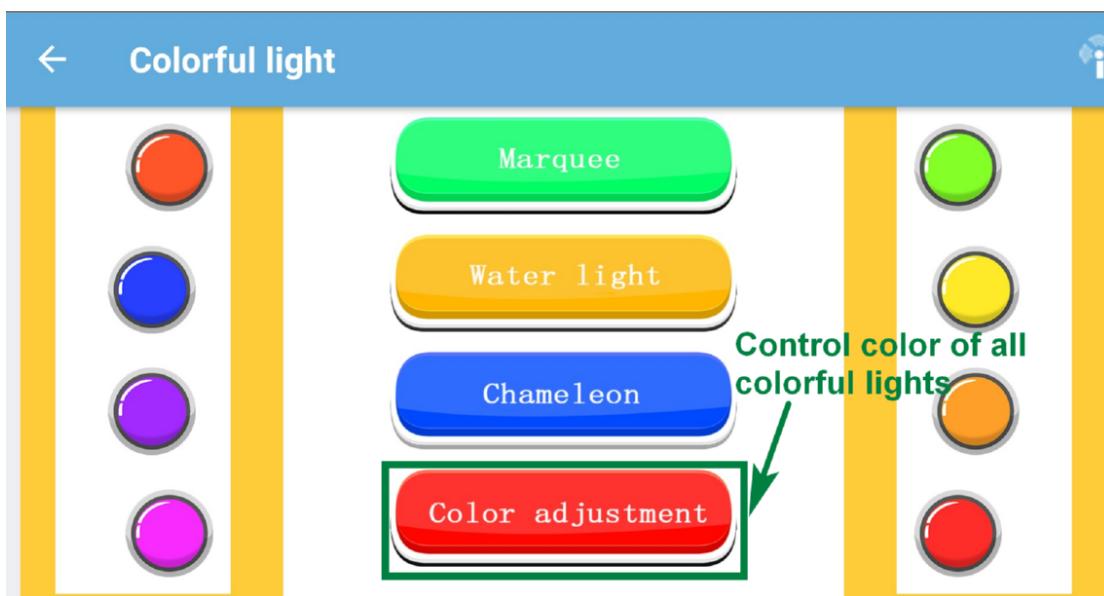




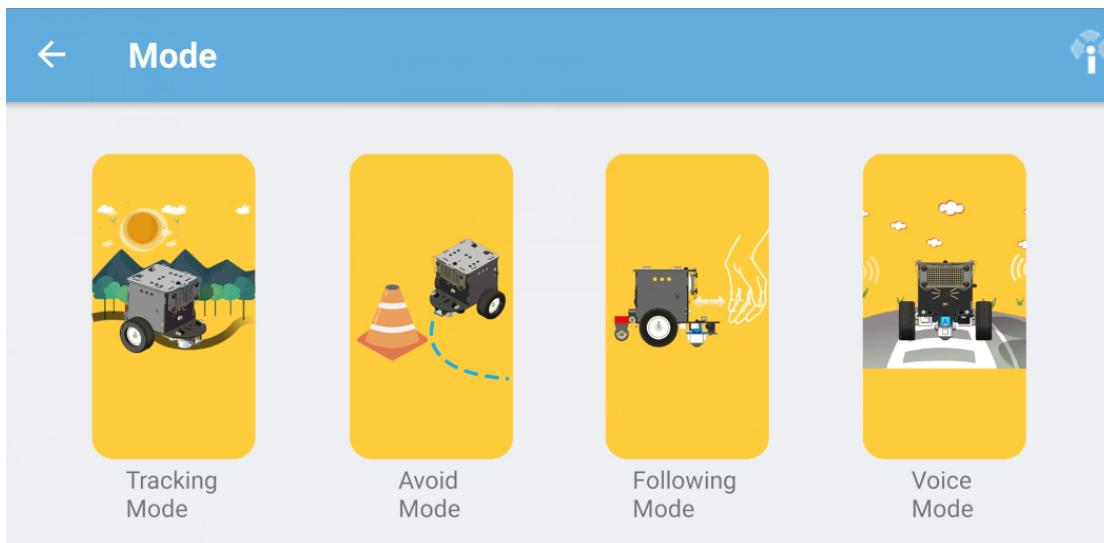
!!!Note:

If you need to control the car to complete other functions, you must exit these modes.





(4) MODE



!!!Note:

If you need to control the car to complete other functions, you must exit these modes.

Tracking mode:

Put the robot on the black line of the track, then click on the 【Tracking mode】 and the robot start tracking. Exit this mode until you click on the 【Tracking mode】 again.

Avoid Mode:



Click on **【Avoid Mode】**, the robot advances, when encountering obstacles, the robot will spin left . Exit this mode until you click on the **【Avoid Mode】** again.

Following mode:

Click **【Following mode】**, the robot advances when there is an obstacle on the current side. Exit this mode until you click on the **【Following mode】** again.

Voice Mode:

Click **【Voice Mode】** . When you take a breath at the sound sensor or make a loud sound, the buzzer will sound and the dot matrix will display an “x”. The robot will advance. Exit this mode until you click on the **【Voice Mode】** again.