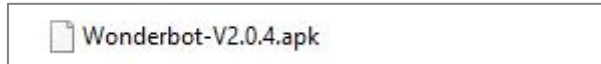


# Lesson 1 APP Control

## 1. App Installation

Android user: you can find the installation package under the same directory and transfer it to your phone to install.



iOS user: please download and install “Wonderbot Robot” in App Store.

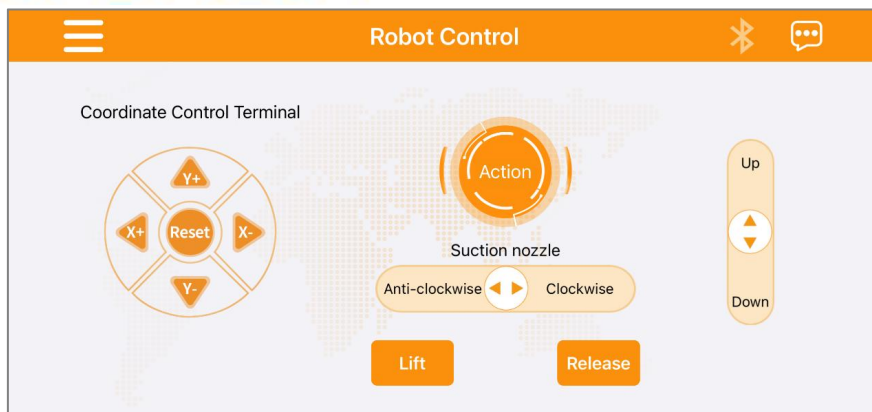
## 2. Device Connection


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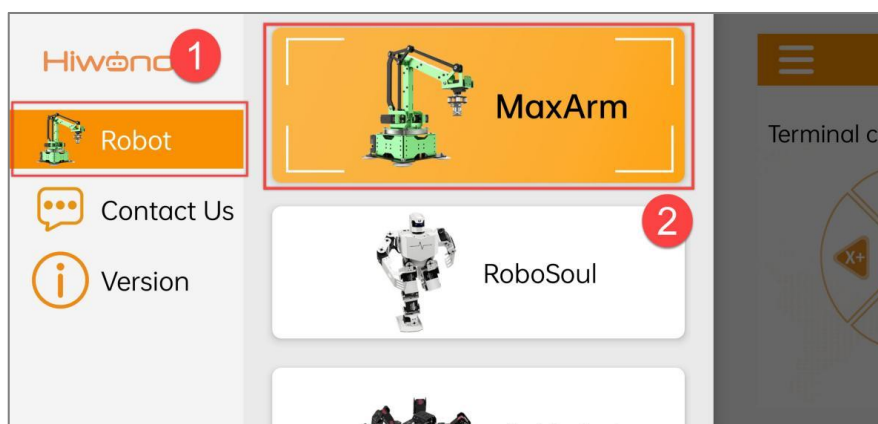
### **Note:**

- 1) Please enable Bluetooth and GPS services in your phone settings before using app.
  - 2) Please use the Bluetooth button in app to pair and connect with the device.
  - 3) Android user must enable all permissions for app in phone settings, otherwise it may affect the function implementation!
  - 4) This lesson takes Android system as example. The requirement for system version: Android 5.0 and above, iOS9.0 and above.
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1) Turn on MaxArm and open “Wonderbot”. The app main interface is shown in figure below:



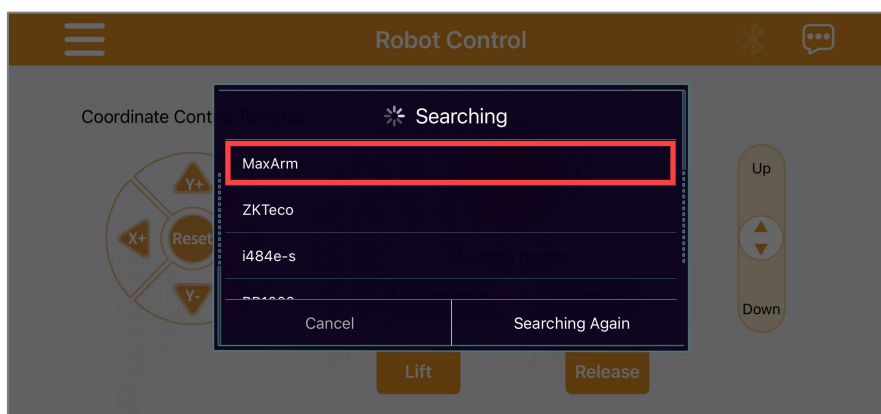
2) If the main interface does not show up, please click on  icon and click “Robot” to select MaxArm.



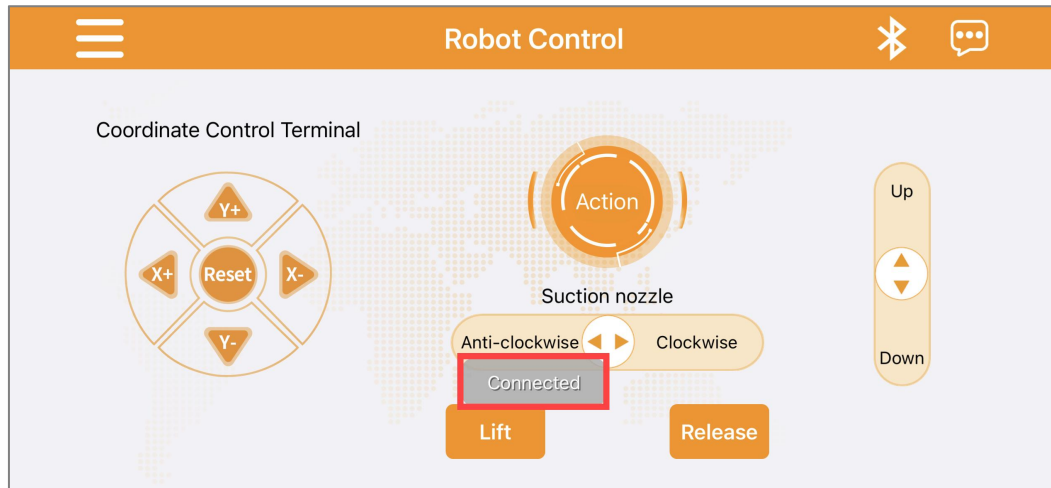
3) Click on the flashing Bluetooth icon in the main interface to enter device searching status.



4) Wait for a moment, then select “MaxArm”.

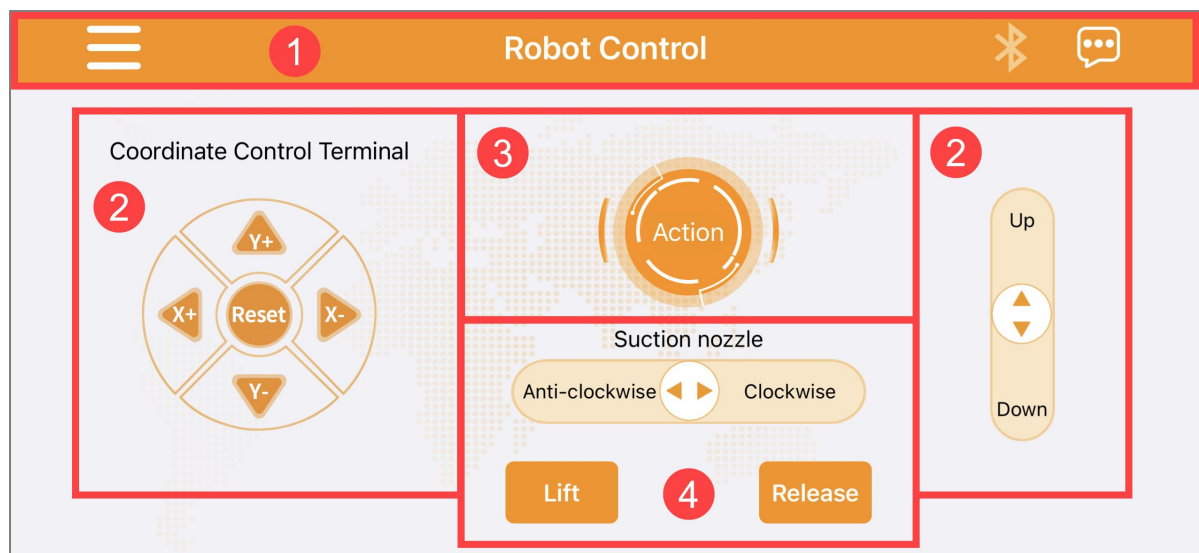


5) When the Bluetooth icon stops flashing and keeps on, and the prompt “Bluetooth is connected” appears, which means robot has been connected successfully.






### 3. Button Instruction

The app interface consists of four parts, which are menu bar, end effector coordinate control area, action calling area, suction nozzle control area.









## ① Menu Bar

Icon	Function
	Product selection button Click to select corresponding robot
	Bluetooth connection button If icon keeps flashing, Bluetooth is not connected. If icon keeps on, Bluetooth is connected.
	Help button Click on it to check Hiwonder e-mail address and official website.

## ② End Effector Coordinate Control Area

The left and right sides of the main interface are the “End Effector coordinate control” area. Click the corresponding button to control robotic arm to move up and down, left and right, forward and backward. (Long press button for quick movement while short press for slight adjustment. When the robotic arm moves to the limited position, buzzer will alarm. After clicking “reset” button, buzzer will make sound and robotic arm will return to the initial position.)

Icon	Function
	Control robotic arm to return to the initial posture
	Increase the value of x-axis MaxArm rotates horizontally to the left
	Decrease the value of x-axis MaxArm rotates horizontally to the right
	Increase the value of y-axis MaxArm rotates backward
	Decrease the value of y-axis MaxArm rotates forward
	Up: control the robotic arm to move up Down: control the robotic arm to move down




### ③ Action Calling Area

The upper middle part of interface is “action group” area. Click on it to call the action group files downloaded to the robotic arm.

Icon	Function
	Run the custom action group file

## ④ Suction Nozzle Control Area

The lower part of interface is “suction nozzle control” area. Click on it to control the rotation and status of suction nozzle.

Icon	Function
	<p>Clockwise: suction nozzle rotates clockwise</p> <p>Anti-clockwise: suction nozzle rotates counterclockwise</p>
	The air pump starts pumping
	The air pump stops pumping