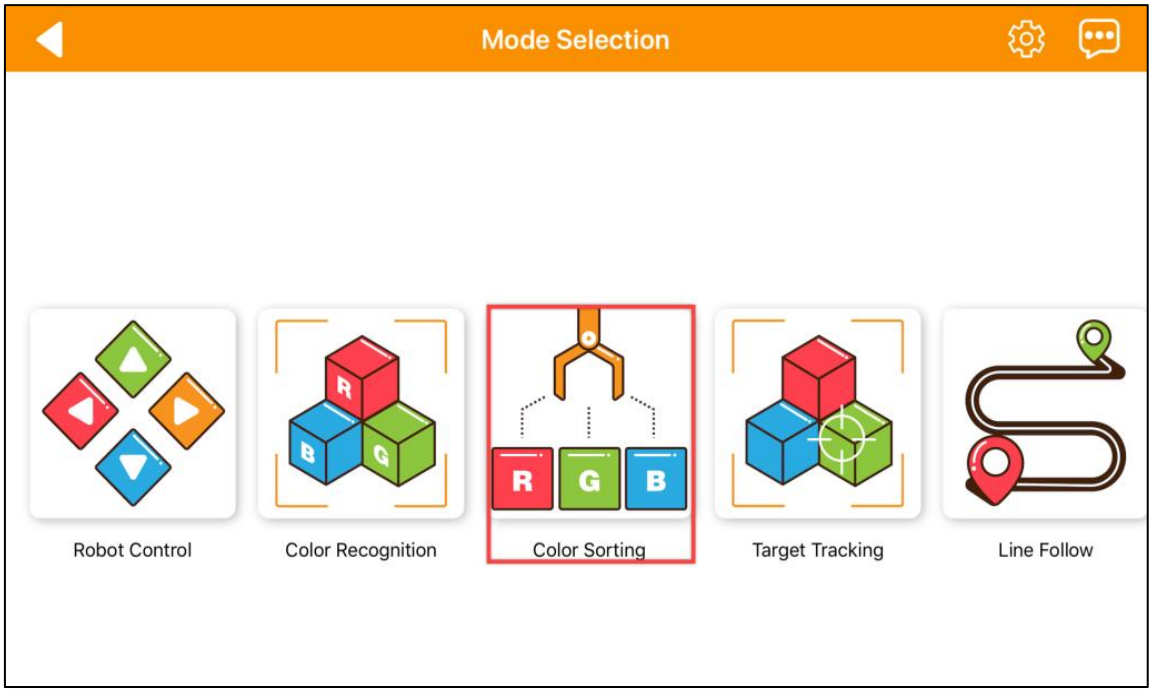
Lesson 2 Color Threshold Setting

When we playing the AI vision games, the environment light will affect the MasterPi's performance. And we can adjust the color threshold to cope with this. (This lesson takes ipad interface as an example to explain)

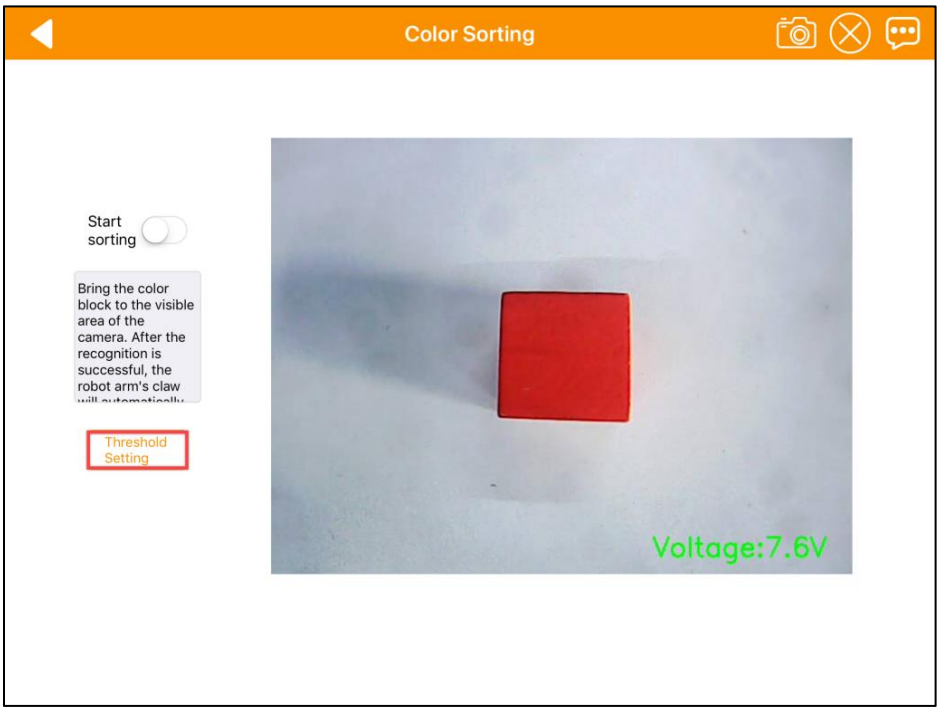
Take adjusting red color as an example, the operation steps are as follow.

1) Refer to "1. Getting Ready-> Lesson 1 Quick User Experience-> Lesson 2 Color Threshold Setting". Open app and then connect to the hotspot generated by MasterPi.

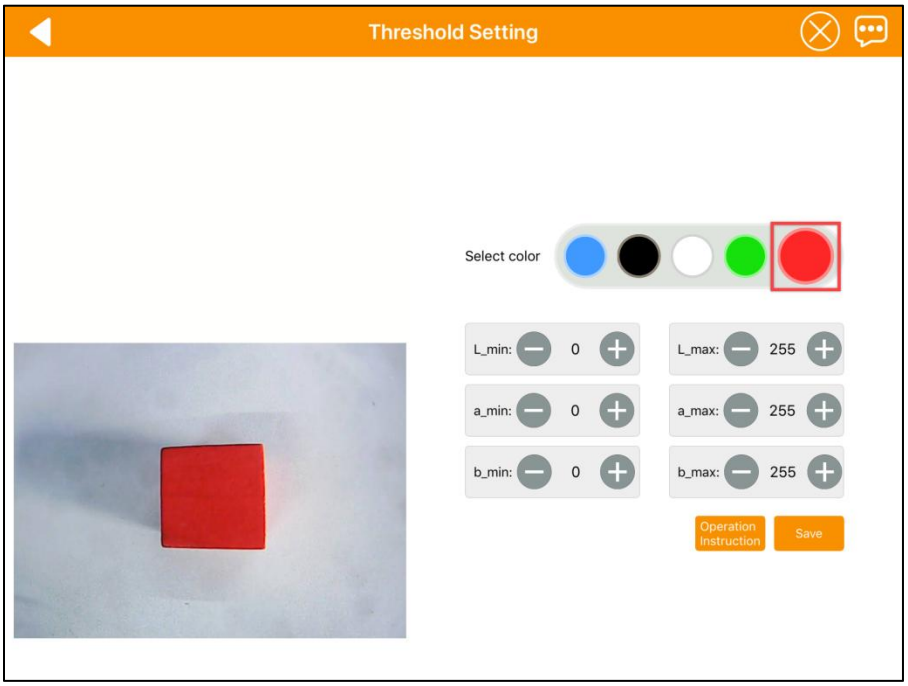
2) Click "Color sorting" to enter the interface .



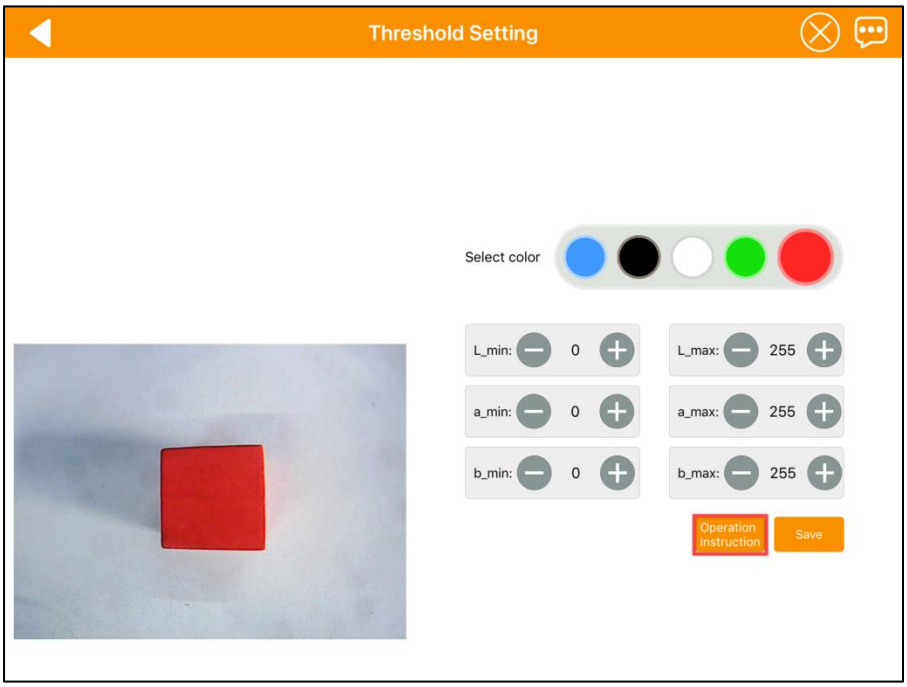
3) After entering the interface, click "threshold setting" .



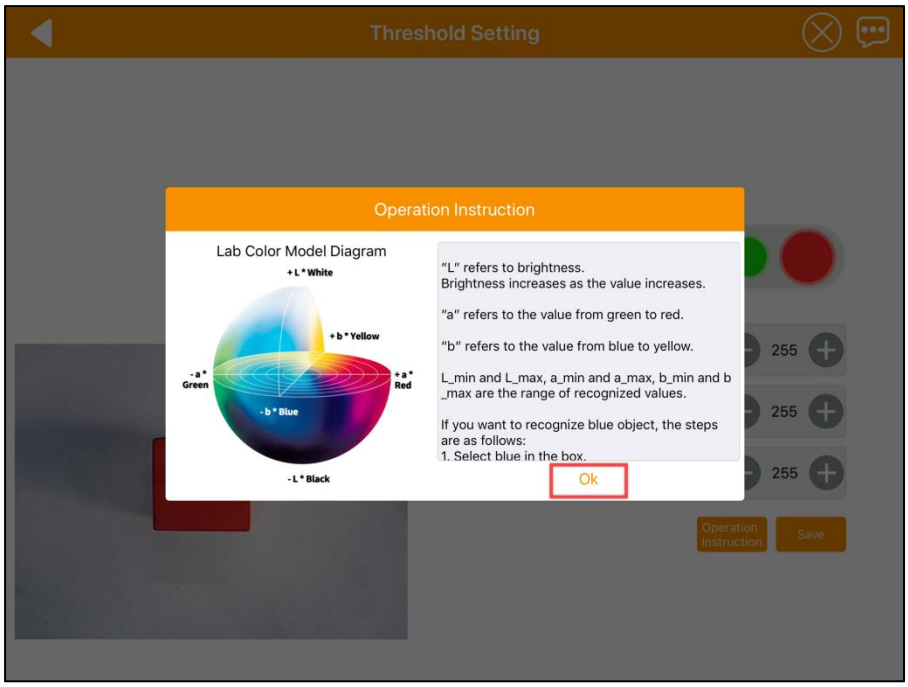
4) Place the red block under the camera and then select color “red”.



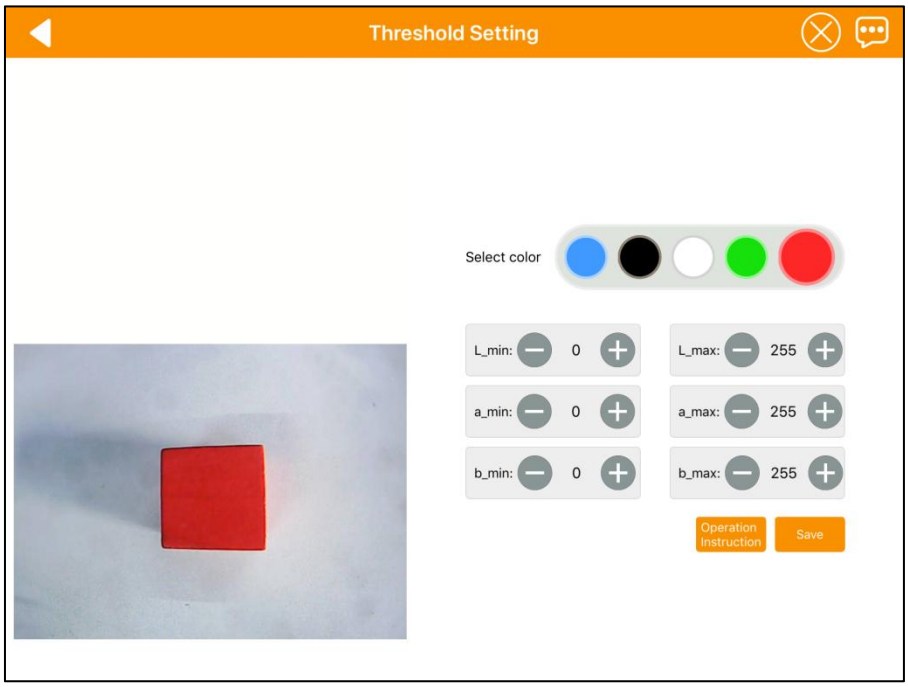
5) Click “Operation Instruction” to enter the help interface.



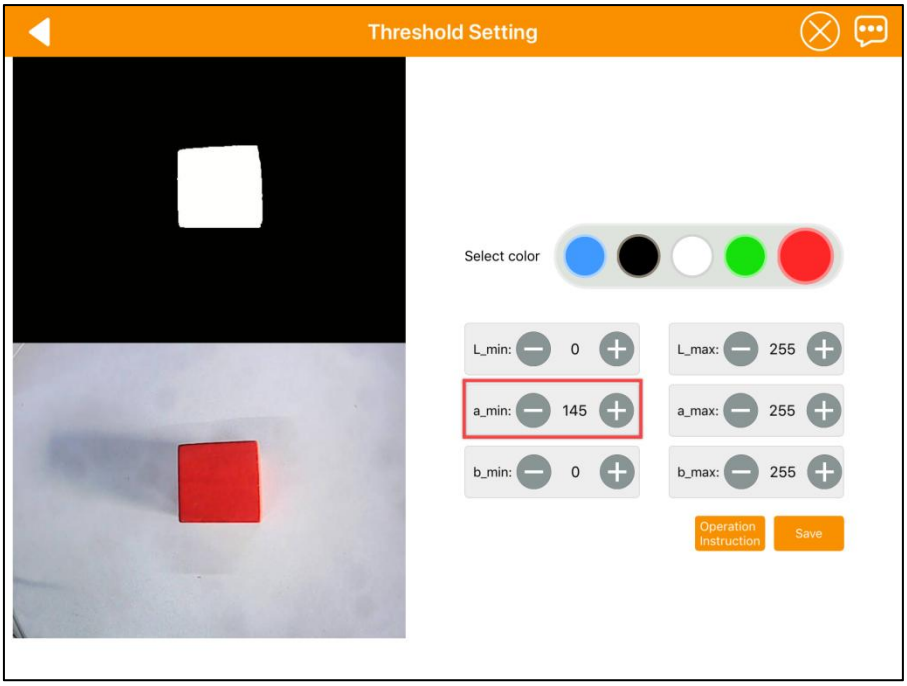
6) We can see that all red colors are near “+a” of the Lab color model diagram so we need to adjust the threshold area to “+a”. Click “OK” to return to the threshold setting interface.



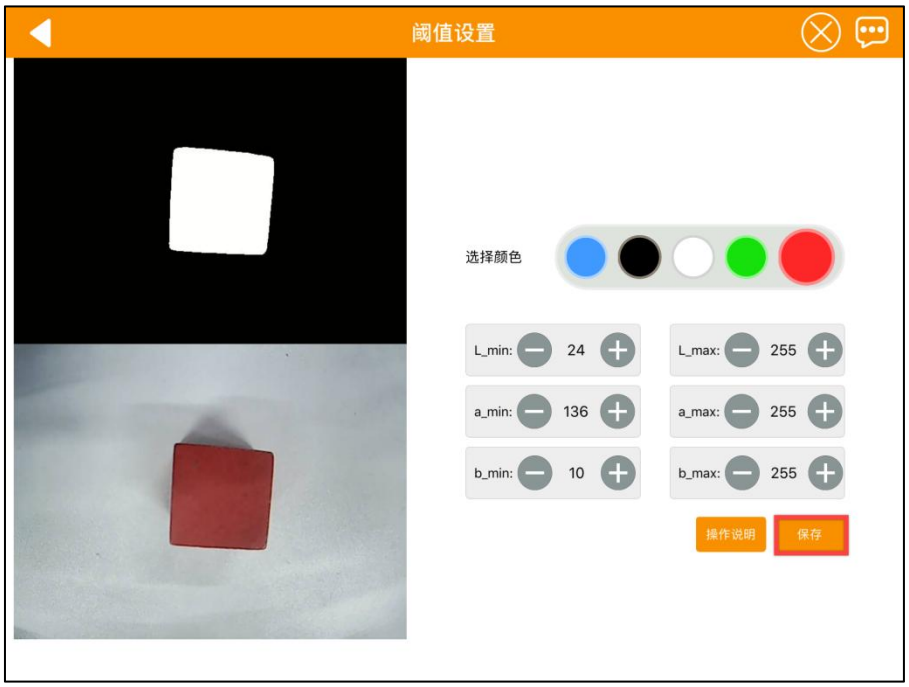
7) Adjust the value of L,A and B in the left side of adjustment area to 0 and the right side to 225, that is, all _min parameter is adjusted to 0 and all _max parameter is adjusted to 255.



8) Keep the value of “a_max” unchanged and increase the value of a_min until the red part of the left screen becomes white and other colors become black.



9) Then, modify the value of “L” and “B” components according to the surrounding. If the red is lighter, increase the value of “L_min” . If the it is darker, decrease the value of "L_max". If the red is warmer, increase the value of "b_min"; If it is colder, decrease the value of "b_max". After the adjustment is complete, click “save”.


阈值设置
选择颜色
L_min: 24
L_max: 255
a_min: 136
a_max: 255
b_min: 10
b_max: 255
操作说明
保存