

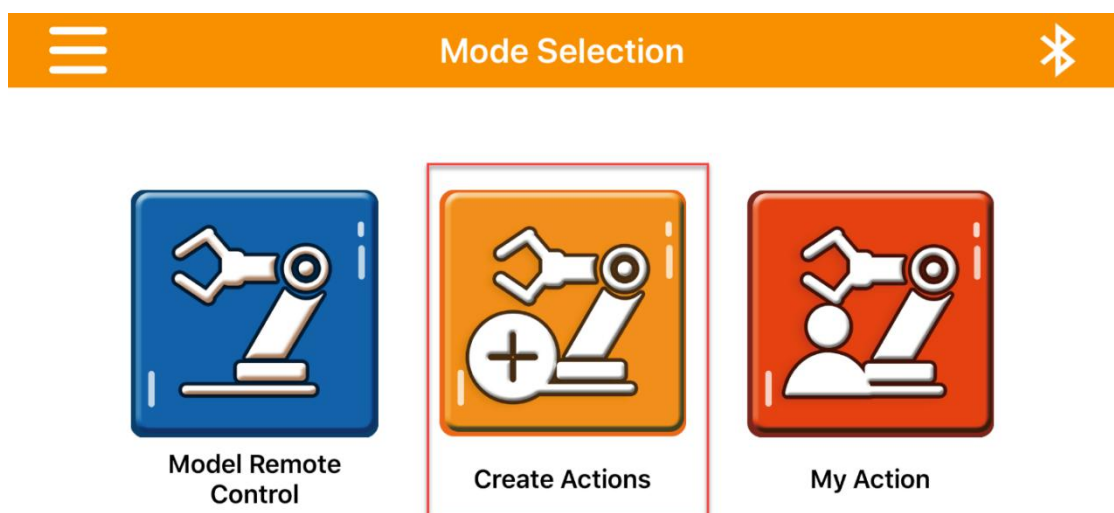
Lesson 1 Mobile APP Programming

Note: Android users need to enable all permissions in settings before opening the APP, otherwise the created actions may not be saved.

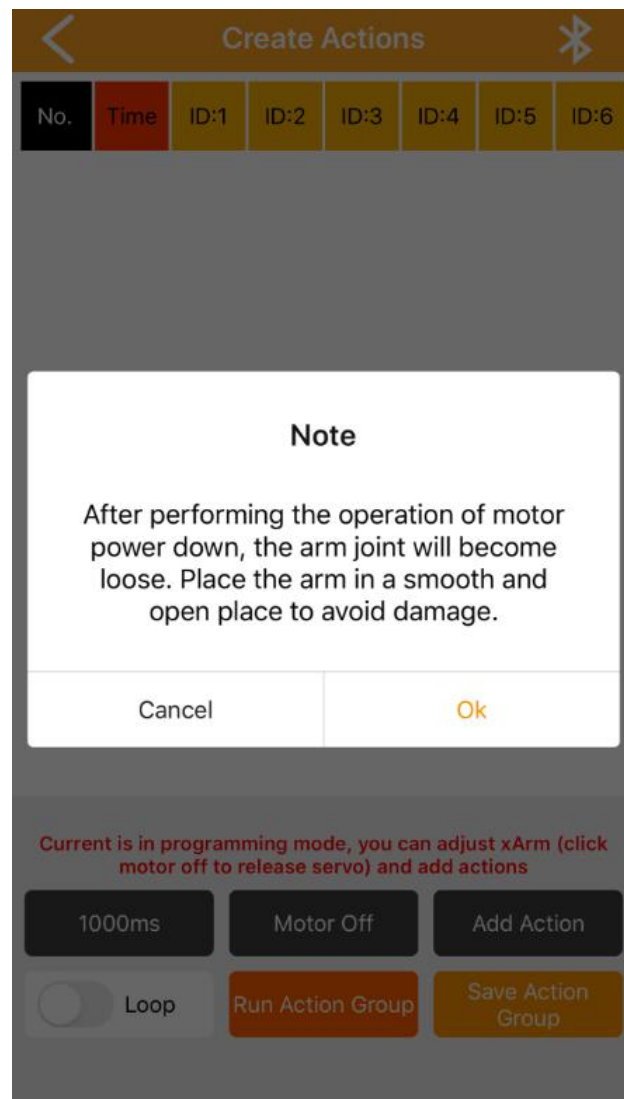
1. Programming Method

Step1: Place the robotic arm on a smooth desktop and open the mobile APP after powering on.

Step2: After connecting the device, click "Create Actions" on the interface.



Step3: click "Motor Off", and click "OK" in the pop-up prompt interface to start action editing. Here we take a gripping action group as an example to expand:



Action 1: Click "Add Action" to read current posture angle of robot arm.

Create Actions							
No.	Time	ID:1	ID:2	ID:3	ID:4	ID:5	ID:6
1	1000	628	499	126	756	763	498

Current is in programming mode, you can adjust xArm (click motor off to release servo) and add actions

1000ms

Motor Off

Add Action

☐ Loop

Run Action Group

Save Action Group

(Click "Add Action" after modifying robotic arm stance for the following five actions)

Action 2: Rotate the robot arm to the right.

Action 3: Rotate the robot arm down.

Action 4: Open the claws of the robot arm.

Action 5: Close the claws of the robot arm.

The completed actions list is as follow:

Create Actions							
No.	Time	ID:1	ID:2	ID:3	ID:4	ID:5	ID:6
1	1000	628	499	126	756	763	498
2	1000	628	499	126	756	763	696
3	1000	628	499	126	760	482	697
4	1000	359	498	126	757	389	697
5	1000	498	499	127	754	389	697

Current is in programming mode, you can adjust xArm (click motor off to release servo) and add actions

1000ms

Motor Off

Add Action

☐ Loop

Run Action Group

Save Action Group

If you need to debug a single action, please click on the action to make a left-side selection.

Button	Function
Copy	Copy the selected data in single row
Paste	Select a single row and replace the existing data content of this row (use with copy)
Time	After clicking, the delay time of a single action can be modified

Modify	After clicking, the current action can be modified (after clicking, it will enter the motor off mode)
Delete	Click to delete the selected action

In addition, if you need to modify the delay time of each action, click the "1000ms" button and fill in the number in the pop-up interface.

Tips: 1000ms=1s


After editing the action, click "Run Action Group" button to watch the complete demonstration effect. If you need to play in a loop, you can check the "Loop".

2.Action Save and Check

Step 1: Save the action for later debugging. Click "Save Action Group" and fill in the information in the pop-up interface.

Step 2: After action is saved, we can return to main interface, click "My Action" to check.



Step 3: This interface we can executed and deleted actions. Press  to execute the action once, press  to delete.

