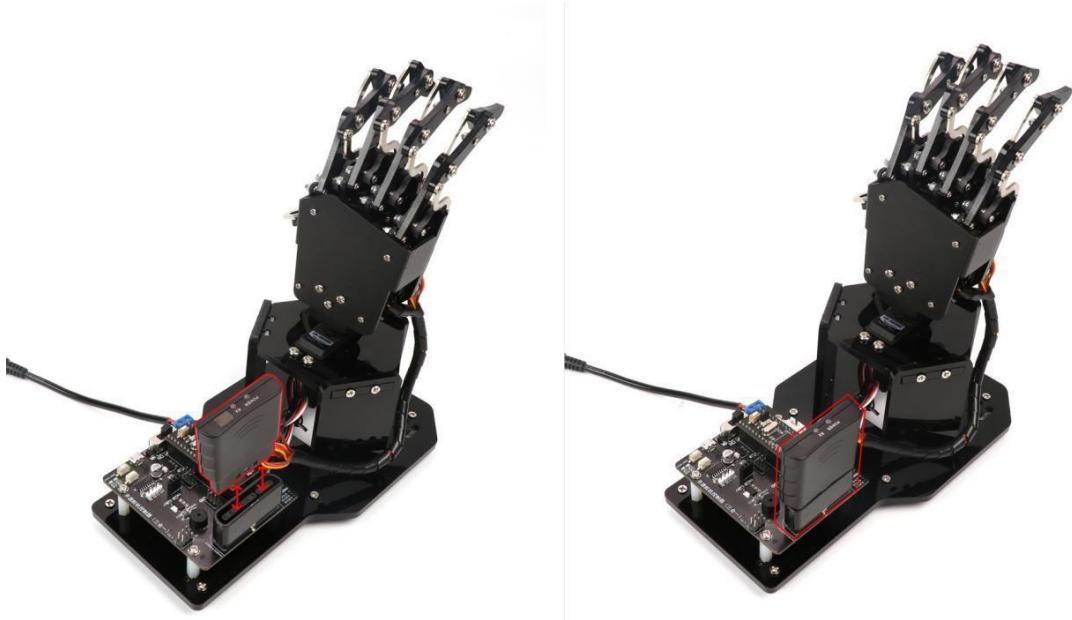


## Lesson 1 Handle Control

### 1. Getting Ready

Step1: Insert the handle receiver into the controller as the figure shown below:



Step 2: Prepare two AAA batteries by yourself. Take the back shell of the handle off and insert the batteries into the battery box. Note: do not inversely insert the negative and positive poles.



## 2. Device Connection


Step 1: switch on uHand2.0

Step 2: switch on handle. At this time, two LED lights (red and green) of the handle are flashing simultaneously.

Step 3: wait for a few seconds. The uHand2.0 will match with the handle automatically . After the match is completed, red and green LED lights will be on. (If only a green light or a single red light lights up after switching on, you can press “MODE” button.)

Step 4: If fail to connect, please switch off the uHand2.0 and handle first, and then repeat the previous steps to operate.

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 Sleep mode: If do not connect the handle to the uHand2.0 in 30 seconds after switching on the handle, or have no operation within 5 minutes after connection, the handle will enter sleep mode. If want to restart the handle, you can press “START” button.

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## 3. Mode Introduction

There are two modes for handle control: single servo mode and action group mode. The default mode is action group mode after connecting.

Action Group Mode: Press buttons to call corresponding action groups (Please note that this mode can only be realized after the action group file is downloaded into controller. You can go to folder “3. uHand2.0 PC software and action programming-> Lesson 1 PC software Introduction” to refer corresponding materials.)

Single Servo Mode: Press the button to control the rotation of each servo on the hand.

Two modes switching method: Press “SELECT” button first without releasing, and then press “START” button. You can release your hand after hearing the prompt sound, which means uHand2.0 has been switched from “action group mode” to “single servo mode”.

## 4. Button Instruction







Button instructions in action group mode:

(Combination button pressing method: You need to first press “SELECT” without releasing, and then press corresponding button.)

Button	Function
START	Execute No.0 action group (return to middle position) once.
↑	Execute No.1 action group (digit 1 gesture) once
↓	Execute No.2 action group (digit 2 gesture) once
←	Execute No.3 action group (digit 3 gesture) once
→	Execute No.4 action group (digit 4 gesture) once
△	Execute No.5 action group (digit 5 gesture) once
×	Execute No.6 action group (digit 6 gesture) once
□	Execute No.7 action group (digit 7 gesture) once
○	Execute No.8 action group (digit 8 gesture) once
L1	Execute No.9 action group (digit 9 gesture) once
R1	Execute No.10 action group (fist) once
L2	Execute No.11 action group (vow gesture) once
R2	Execute No.12 action group (Provocative gesture) once
SELECT+△	Execute No.13 action group (“I Love You” gesture) once
SELECT+×	Execute No.14 action group (finger dance 1) once
SELECT+□	Execute No.15 action group (finger dance 2) once

<b>SELECT+○</b>	Execute No.16 action group (finger dance 3) once
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Button instructions in single servo mode:

Button	Function	Servo
<b>START</b>	Servo back to original position angle	No.1-6 servo
<b>R1</b>	Thumb bend	No.1 servo
<b>R2</b>	Thumb straighten	
<b>L2</b>	Forefinger bend	No.2 servo
<b>L1</b>	Forefinger straighten	
	Middle finger bend	No.3 servo
	Middle finger straighten	
	Ring finger straighten	No.4 servo
	Ring finger bend	
	Little finger bend	No.5 servo
	Little finger straighten	