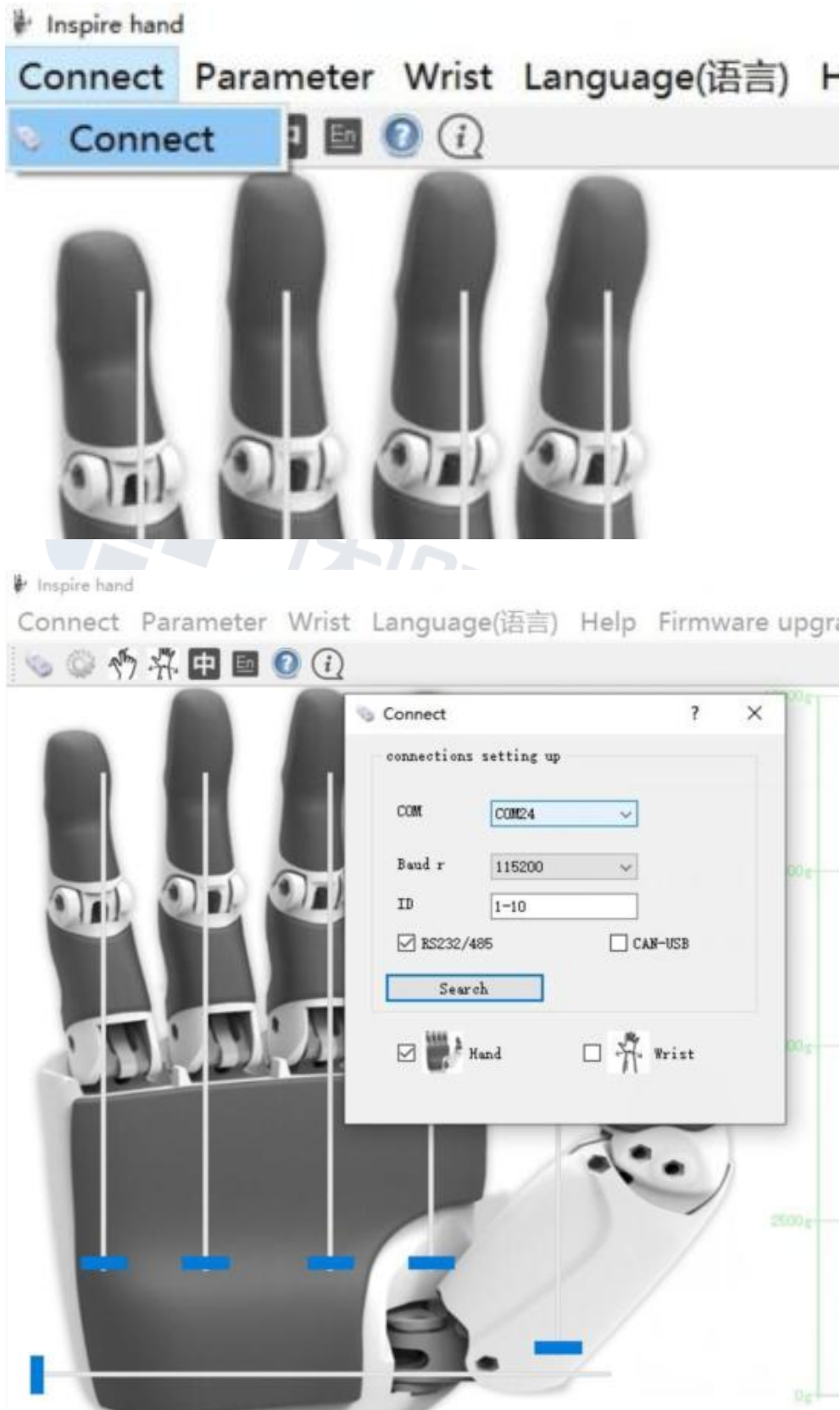


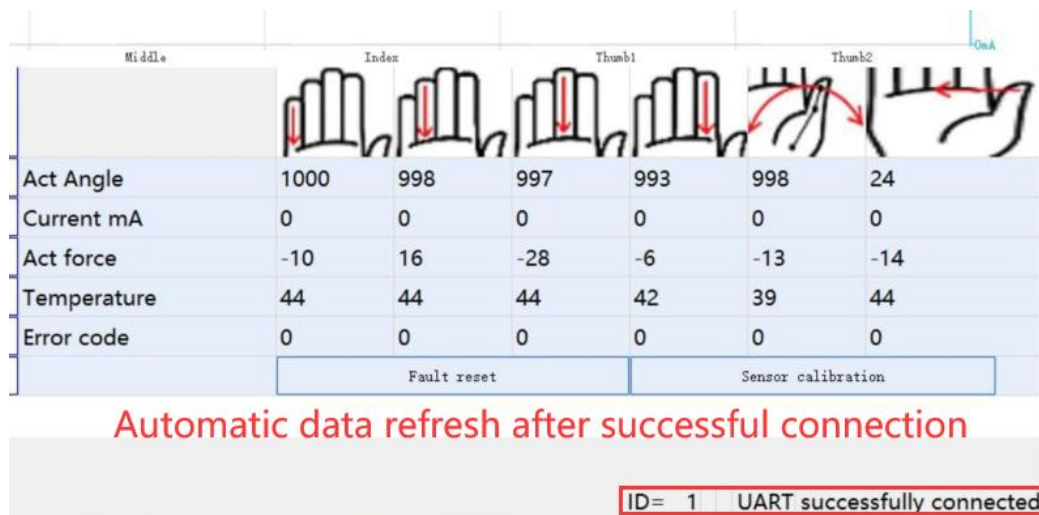
# THE DEXTEROUS HAND PC INSTRUCTIONS



# Operation Instructions

## 1. Device Connection





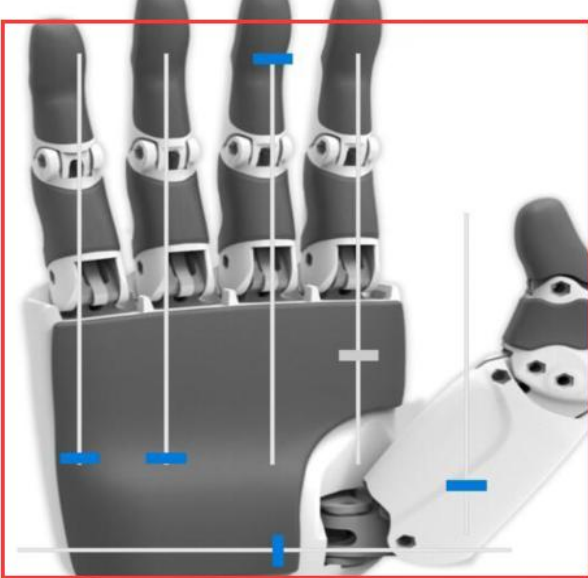
## 2. Status data monitoring

The real-time angle, current and force of each finger, temperature of the drive unit, and error codes are displayed on the main screen.



If the force applied to a finger is not accurate, the force sensor should be calibrated.

3. Motion Control



Drag the slider to control finger movement.

Set angle, speed and force data to control finger

Refresh parameters							Save
Set angle	1000	609	-1	5	-1	0	Set
Set speed	1000	1000	1000	1000	1000	1000	Set
Set force	500	500	500	500	500	259	Set
Default Speed	1000	1000	1000	1000	1000	1000	Set
Default force	500	500	500	500	500	259	Set
ID	1	Set	Baud rate	115200			Set

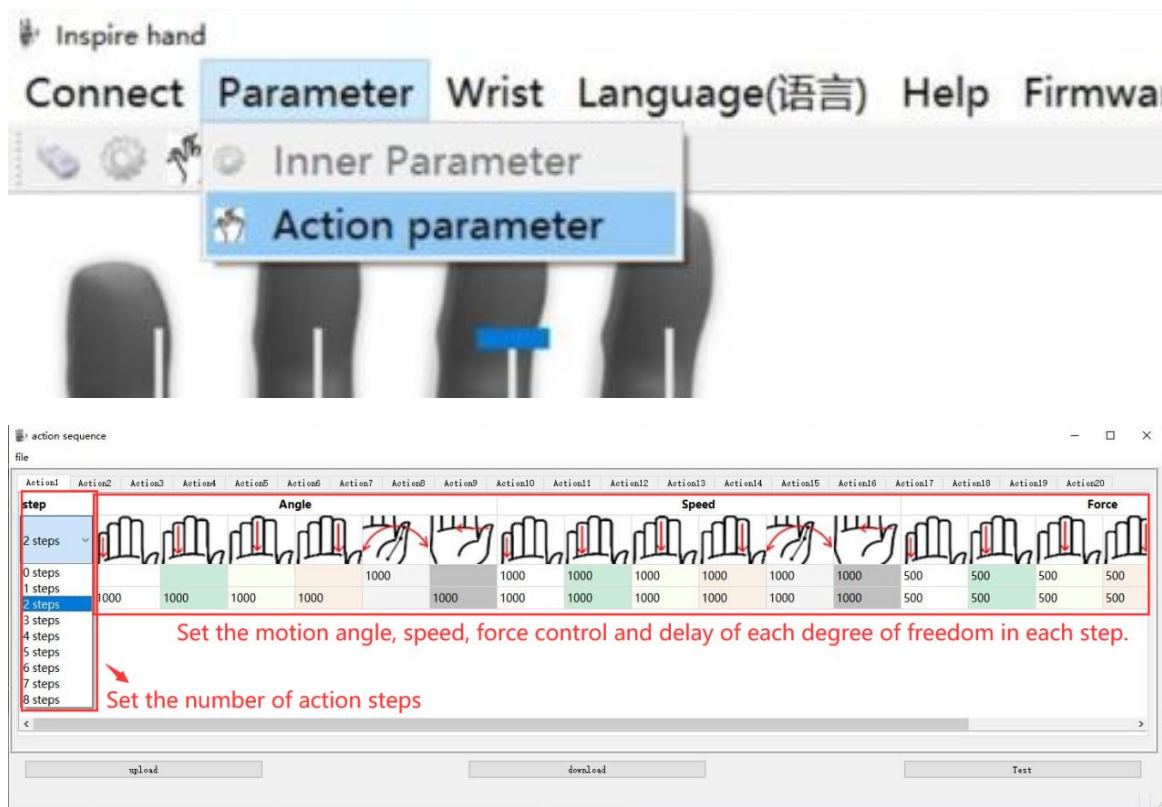
4. Parameter Settings

Refresh parameters							Save
Set angle	1000	609	-1	5	-1	0	Set
Set speed	1000	1000	1000	1000	1000	1000	Set
Set force	500	500	500	500	500	259	Set
Default Speed	1000	1000	1000	1000	1000	1000	Set
Default force	500	500	500	500	500	259	Set
ID	1	Set	Baud rate	115200			Set

ID settings.

Baud rate setting

## 5. Use of Action Database



This software can set the 1st to 13th set of action sequence data in the dexterous hand. Each set of action sequences has up to 8 steps of motion. The finger angle, motion speed, magnitude of force, and waiting time for each step can be set separately.

Number of steps: The number of steps for action sequences can be set to 0-8;

Finger angle: Set the target finger angle for a step of action sequences. The finger angle input range is 0-1000. 0 indicates the maximum bending of fingers; 1000 indicates fully open fingers; a space indicates no finger motion.

Motion speed: Set the finger motion speed for a step of action sequences within the range of 1-1000.

Force setting: Set the finger force for a step of action sequences within the range of 1-1000.

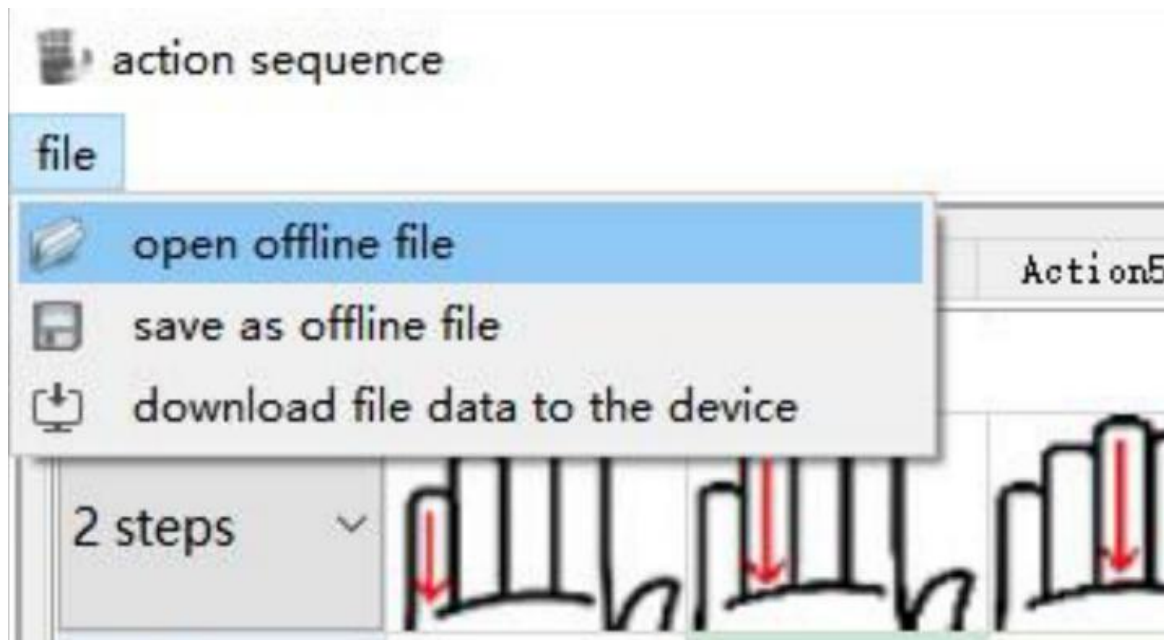
Delay time: Set the finger motion speed for a step of action sequences.

After a certain action sequence data is set, click the "Download" button on the right of the table to download the data to the dexterous hand.

Click the "Test" button on the right of the table. Control the dexterous hand to trigger a corresponding action sequence for movement.

Click the "Upload" button on the right of the table. The software will read the corresponding action sequence in the dexterous hand, and this sequence will be displayed in the table.

## 6. Action sequence file operation:



"Open off-line files": This option can be used to open an action sequence data file and display the data in the action sequence data area of the software.

"Download the file data to a device": This option can be used to download the data in an action sequence data file to the dexterous hand in batches.

"Save as off-line file": This option can be used to save the action sequence data displayed and edited by the software in a designated file in whole.