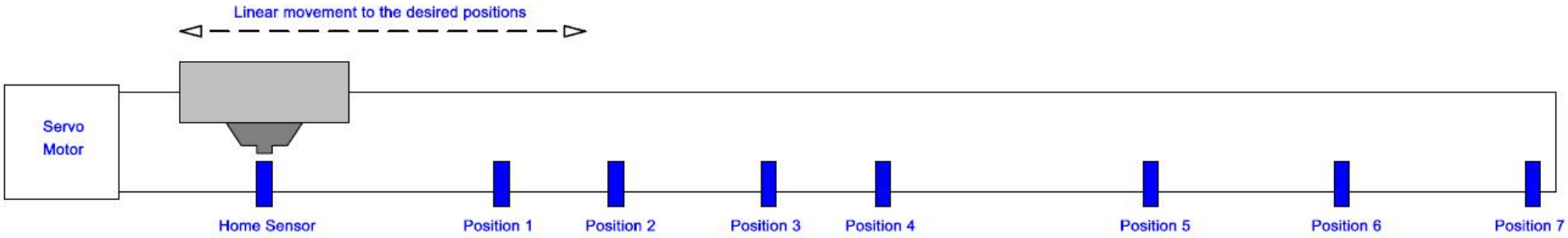
E3 servo point table instruction

Point table application example



TARGET POSITION	PCSEL1	PCSEL2	PCSEL3	PCSEL4
1	ON	OFF	OFF	OFF
2	OFF	ON	OFF	OFF
3	ON	ON	OFF	OFF
4	OFF	OFF	ON	OFF
5	ON	OFF	ON	OFF
6	OFF	ON	ON	OFF
7	ON	ON	ON	OFF

HOME POSITION: All inputs OFF

Point table configuration method

Wiring in CN1:

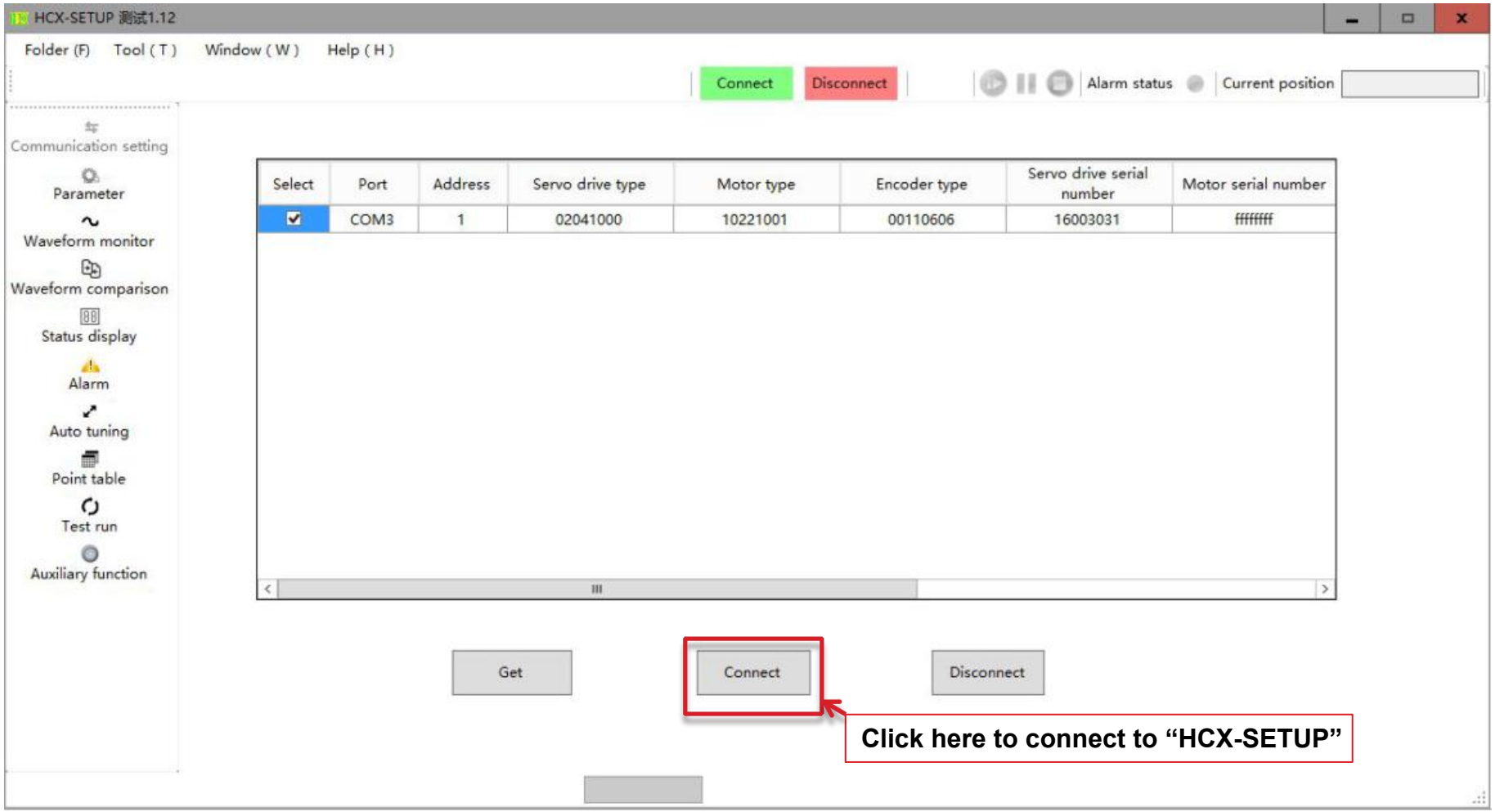
Pin1&3	24V
Pin2&12	0V
Pin4（I1）	SVON
Pin6（I3)	PCSTART1
Pin7（I4)	PCSEL1
Pin8（I5)	PCSEL2
Pin9（I6)	PCSEL3
Pin10（I7)	PCSEL4
Pin11（I8)	ORG

Parameter setting:

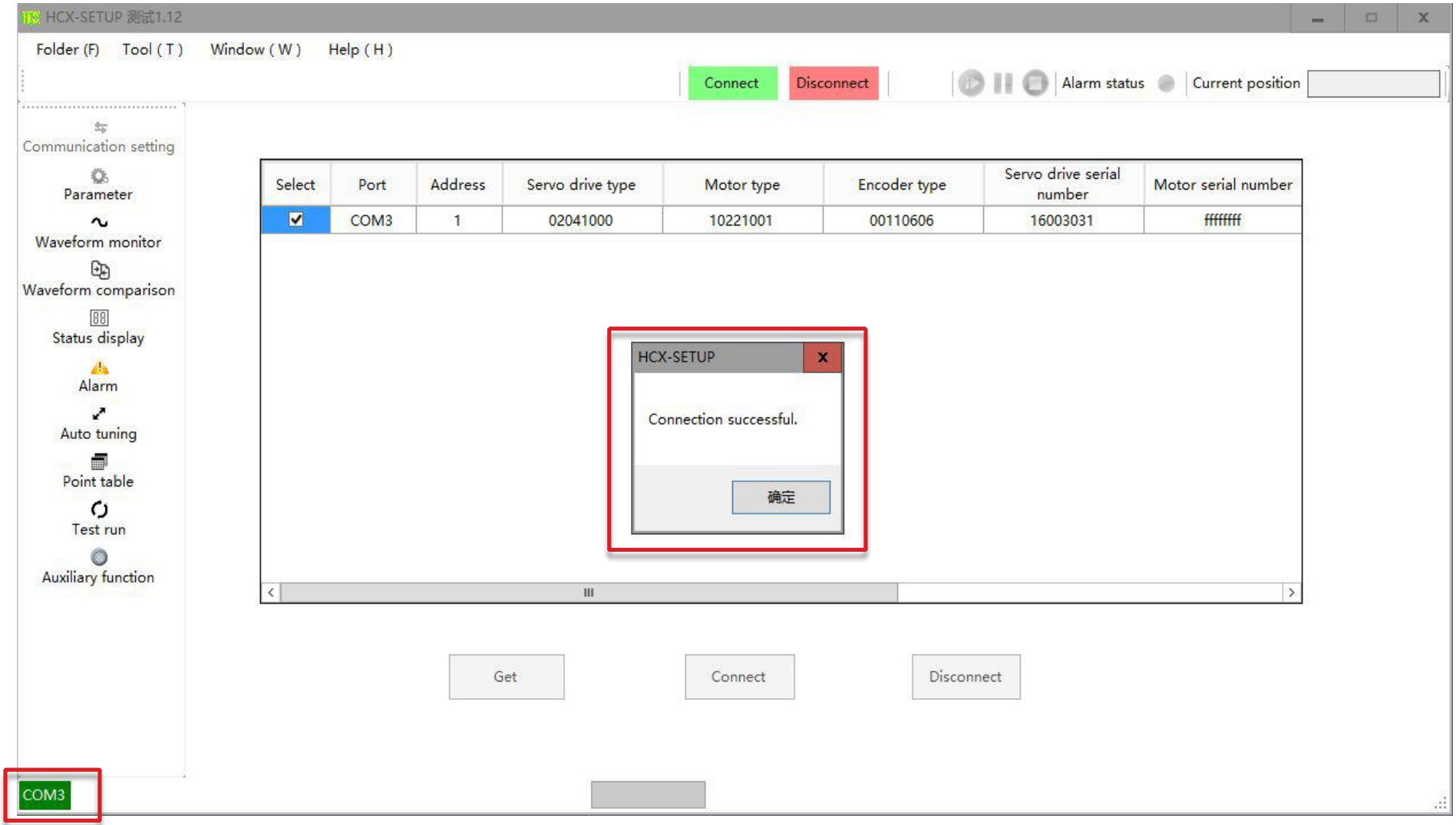
Parameter Definition	Set Value
Pr2.0	0
Pr3.0	3
Pr9.0	0 or 1(See below explanation)
Pr642.0	0
Pr644.0	1
Pr645.0	2
Pr646.0	0
Pr646.3	0
Pr648.0	Depend on
Pr649.0	Depend on
Pr650.0	Depend on

Note: Please refer to manual for more detailed information of above.
Pr9.0=0 You need active& deactive SVON by PiN4
Pr9.0=1 You need active& deactive SVON by using software “HCX-SETUP”
Pin6 is for motor start(speed defined by Pr648.0)
Pin11 is for Homing sensor(speed defined by Pr649.0)
Pr650.0 is the Homing time from speed Pr648.0 to Pr649.0)

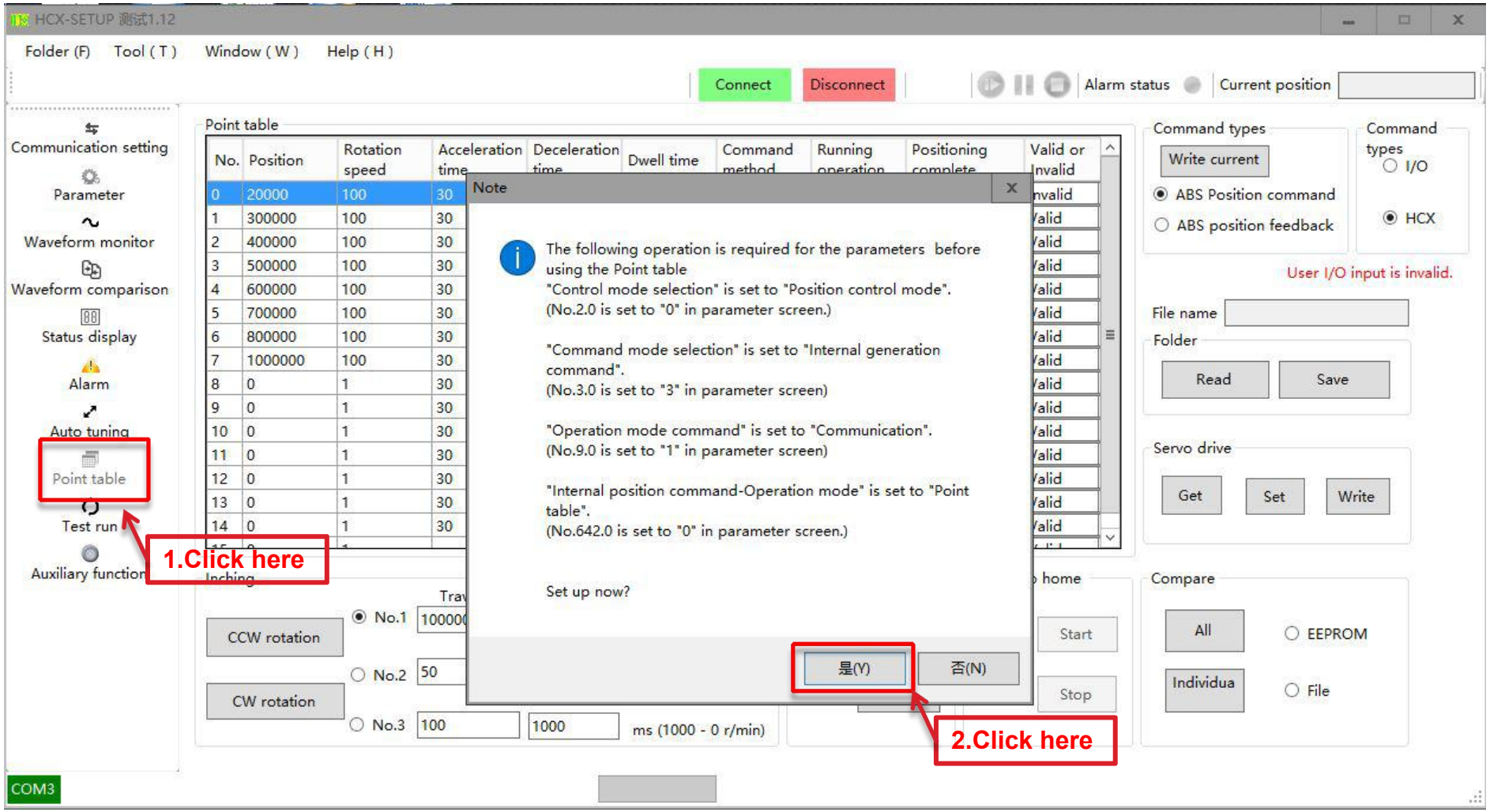
Point table configuration method



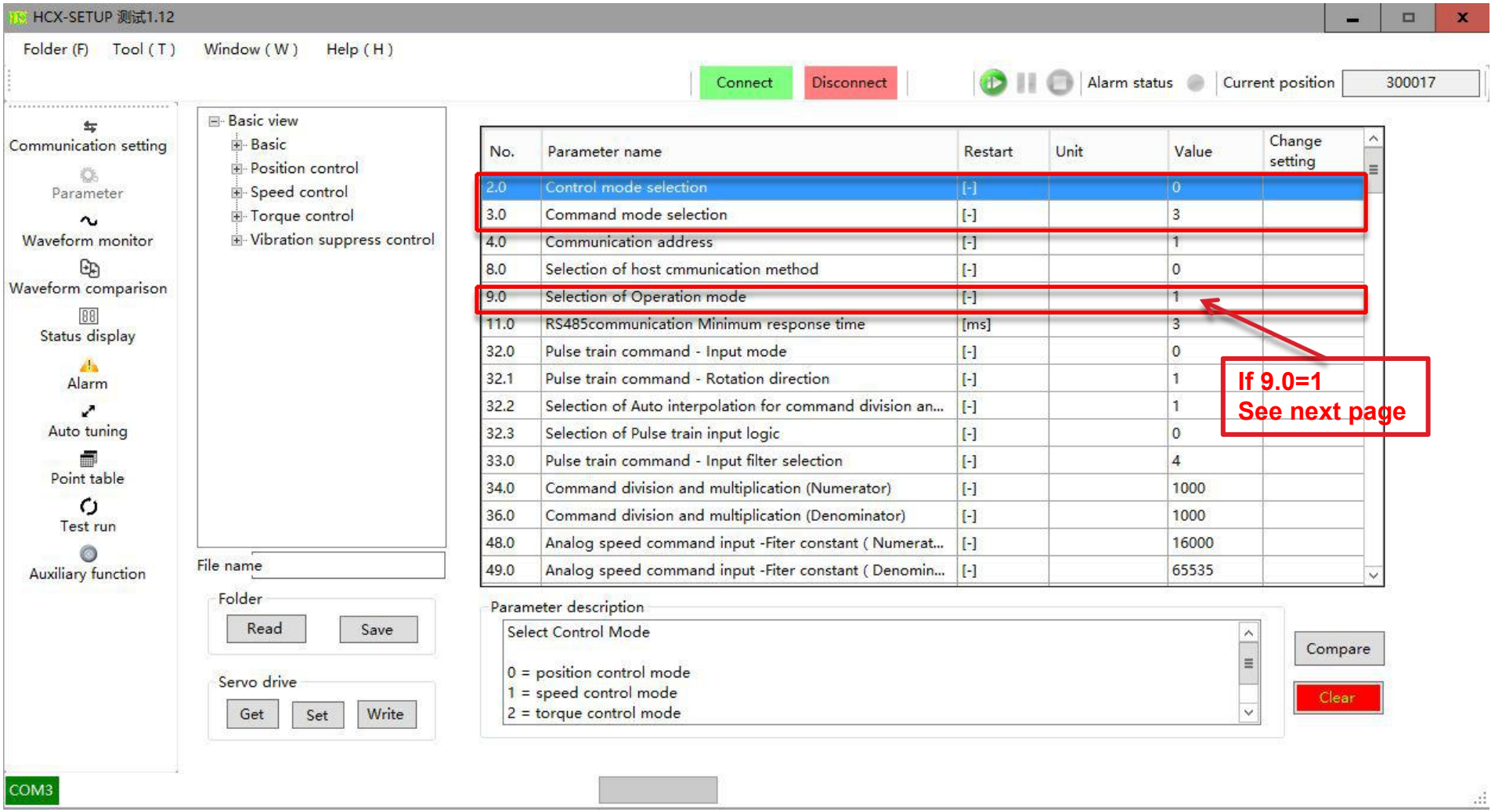
Point table configuration method



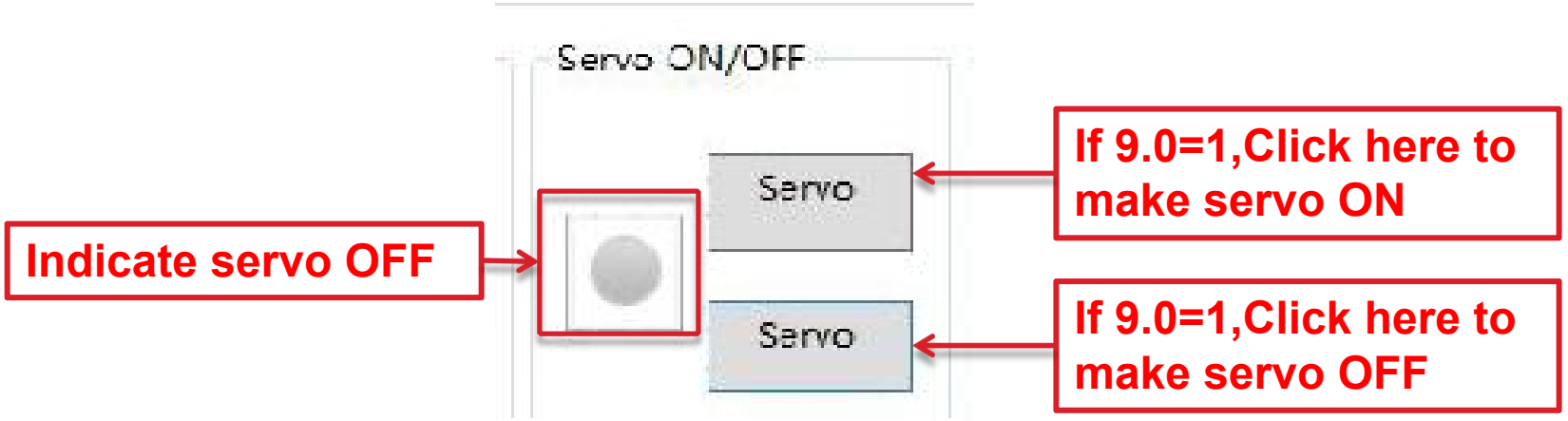
Point table configuration method

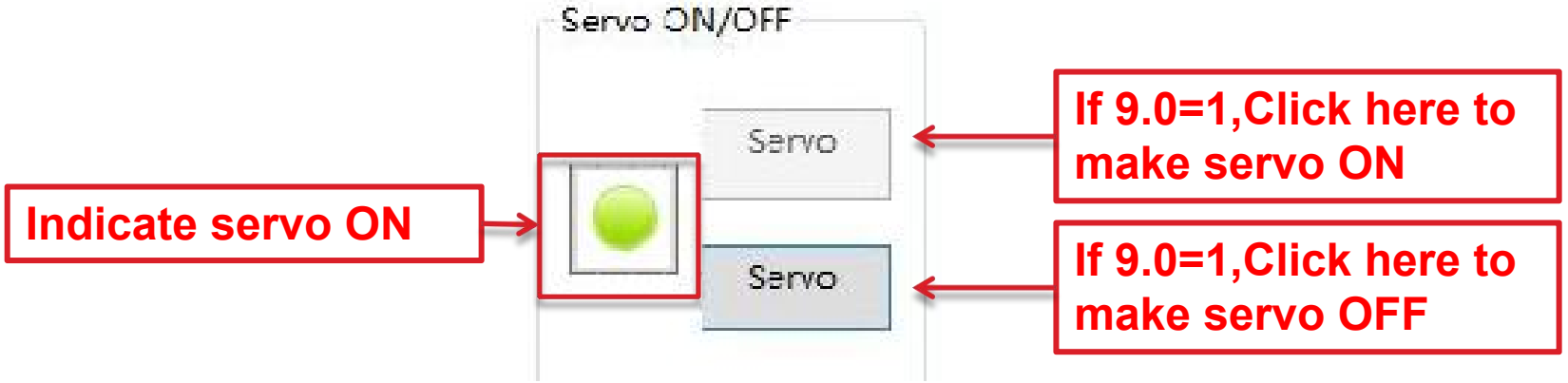


Point table configuration method

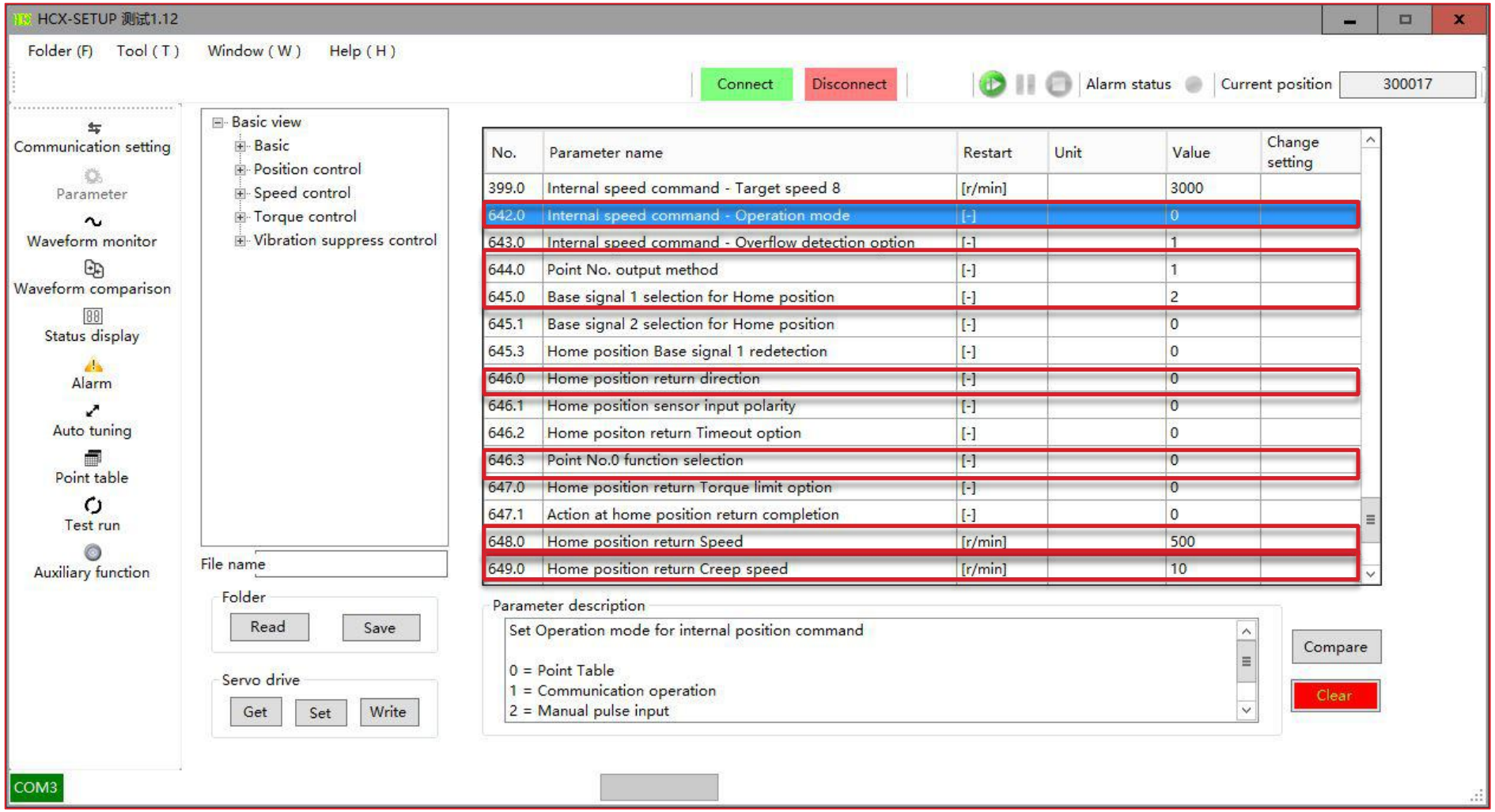


Point table configuration method

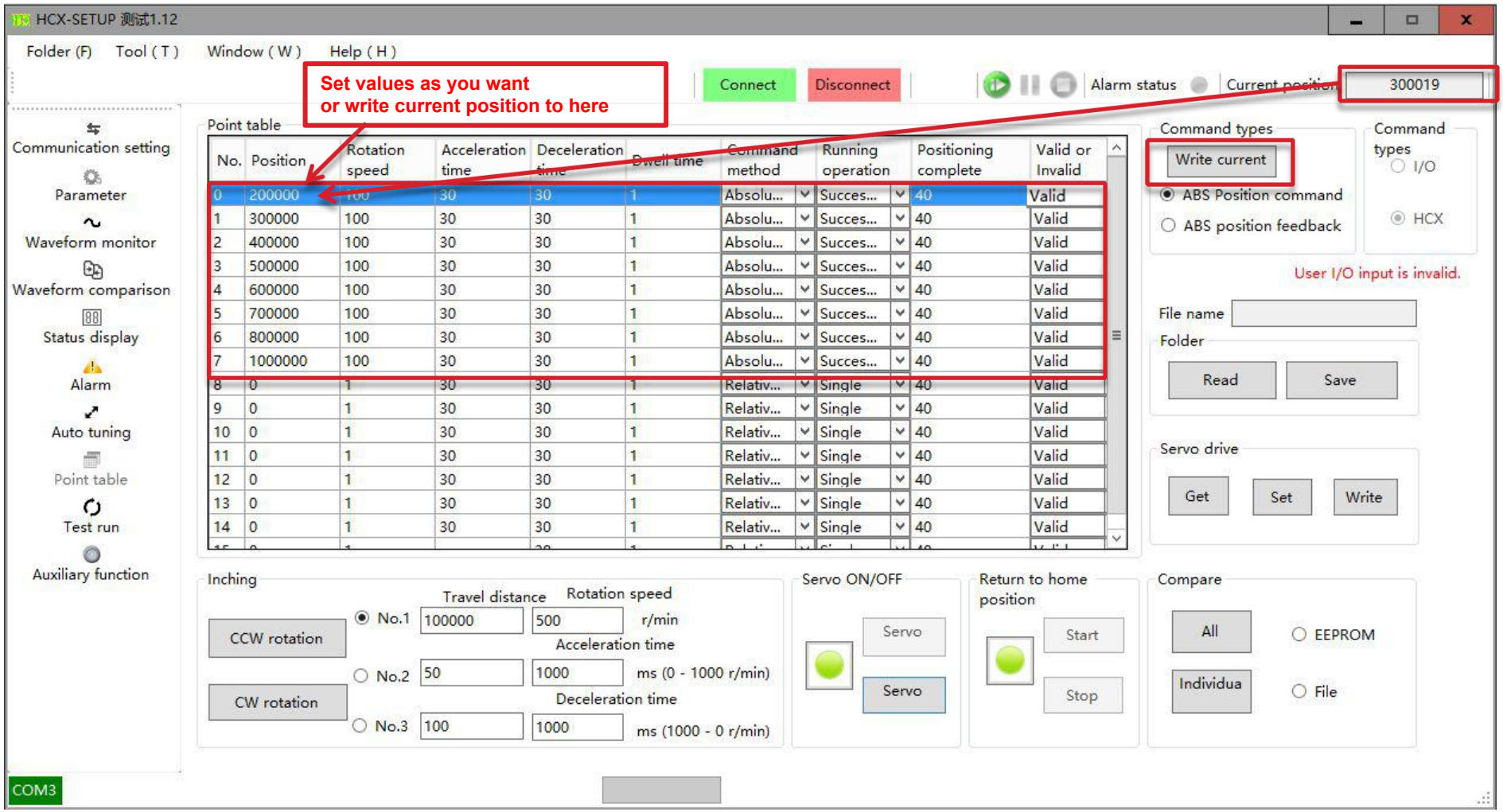




Point table configuration method

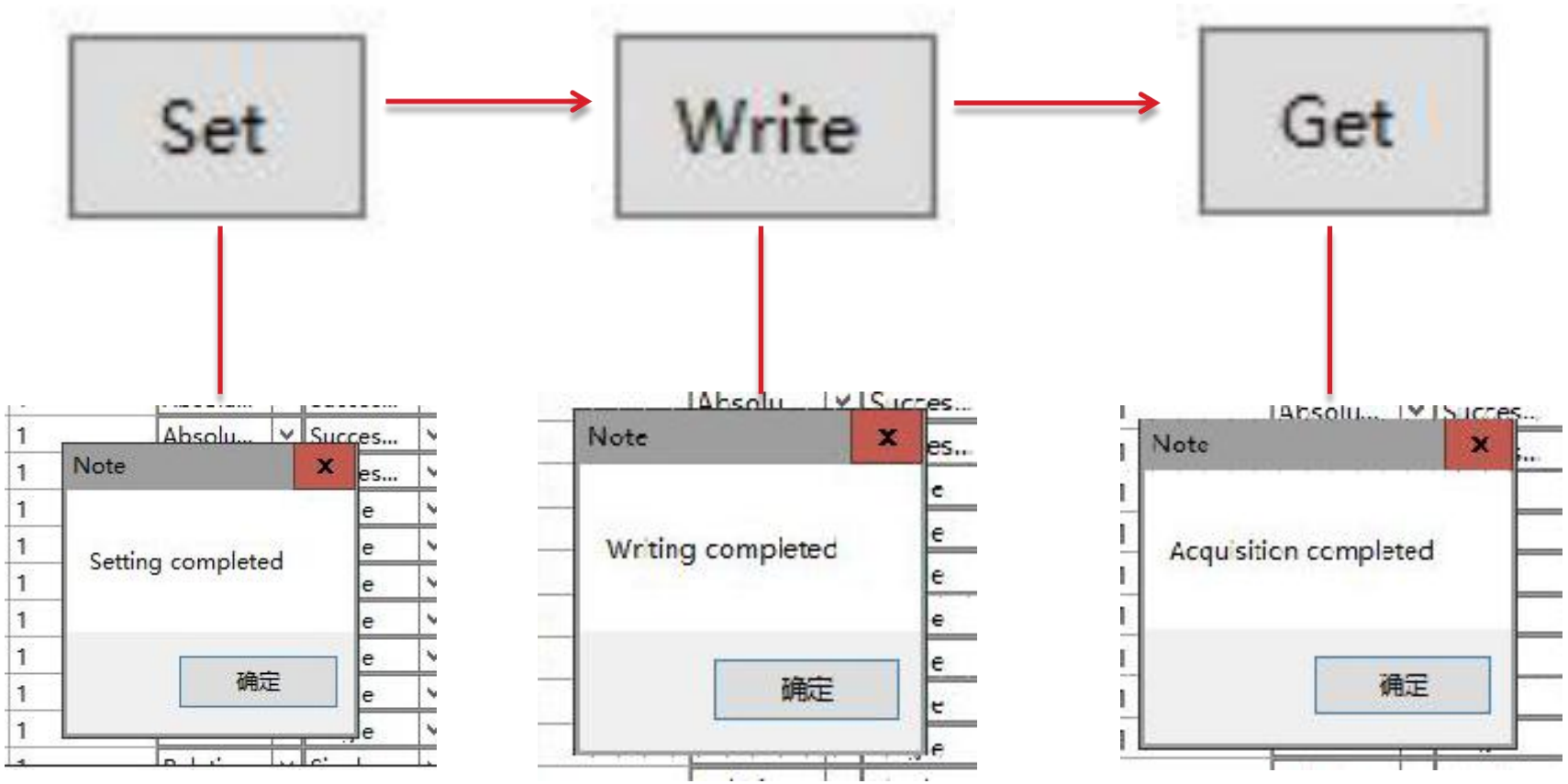


Point table configuration method



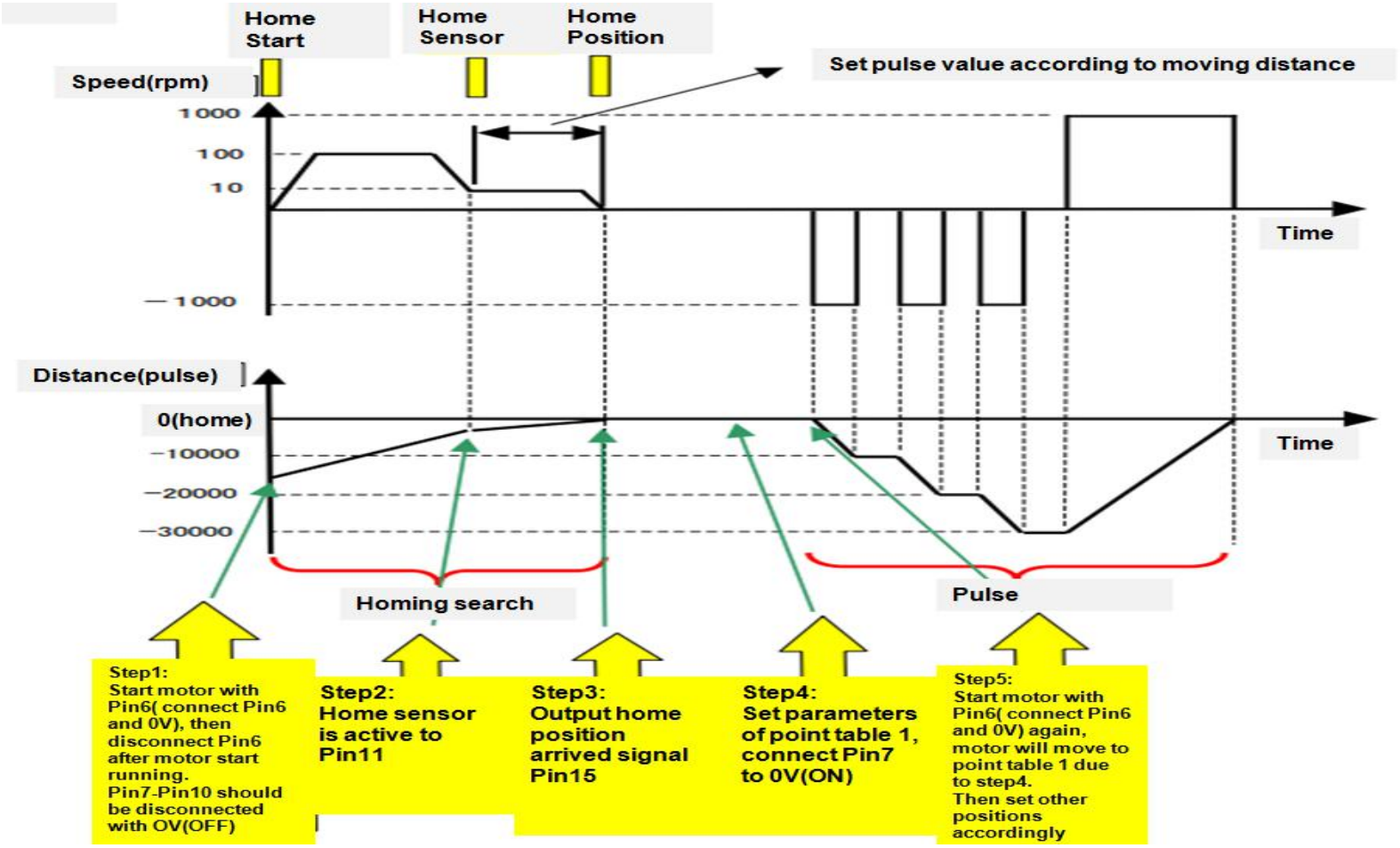
Point table configuration method

Write the parameters to servo, you need click below buttons in sequence:



Point table configuration method

After set all parameters needed, restart the servo(AC220 and DC24)
Then please double-check all parameters are set correctly and write to servo successfully



Point table configuration method

Wiring in CN1:

Pin1&3	24V
Pin2	0V
Pin4（I1）	SVON
Pin6（I3）	PCSTART1
Pin7（I4）	PCSEL1
Pin8（I5）	PCSEL2
Pin9（I6）	PCSEL3
Pin10（I7）	PCSEL4
Pin11（I8）	ORG
Pin12	0V

Note:

1. Home position is not the motor mechanical zero point, it's determined by home sensor position.
2. In Homing procedure:

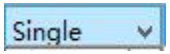
a. Keep all Pin7-Pin10 is OFF and keep Pin4 is ON. Active Pin6, then de-active Pin6 after motor running. Motor will running with speed Pr648.0

b. When motor arrived the home sensor position, Pin11 should be ON, motor will running with speed Pr649.0 and stopped immediately when Pin11 became OFF. The stop positon is home position that you decided.

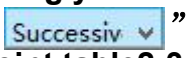
3. Take Point table (Target positon)1 as example:

a. Active Pin7, then active Pin6, and then de-active Pin6 after motor running. Motor will running to Point table 1.

b. Please note that, there's two running type after motor arrived Point table 1:

1. If you select " 

" in software, motor will stop at Point table 1 positon, if you want to go to another position, set related Pins accordingly and set Pin6 ON&OFF again.

2. If you select " 

" in software, motor will continue running to point table2-3-4-5-6-7 in sequence..

Thank you！