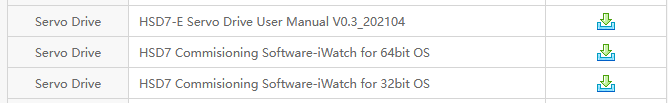
1. Download and install driver

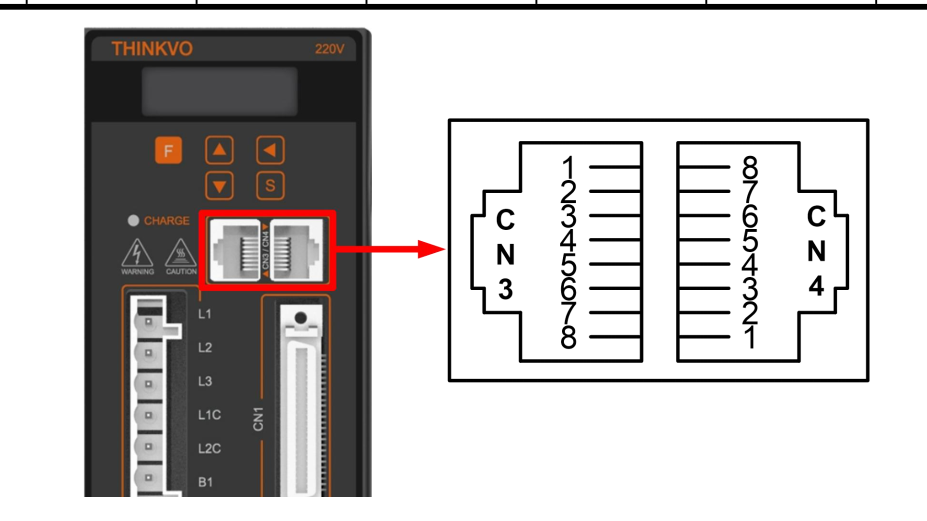
<http://www.hncelectric.com/en_download.aspx?cid=&category_id=0&page=2>

there is a document too

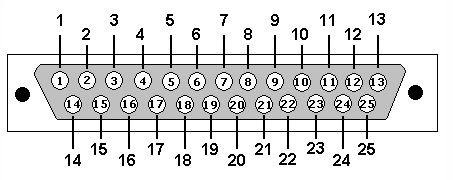


1. Wiring

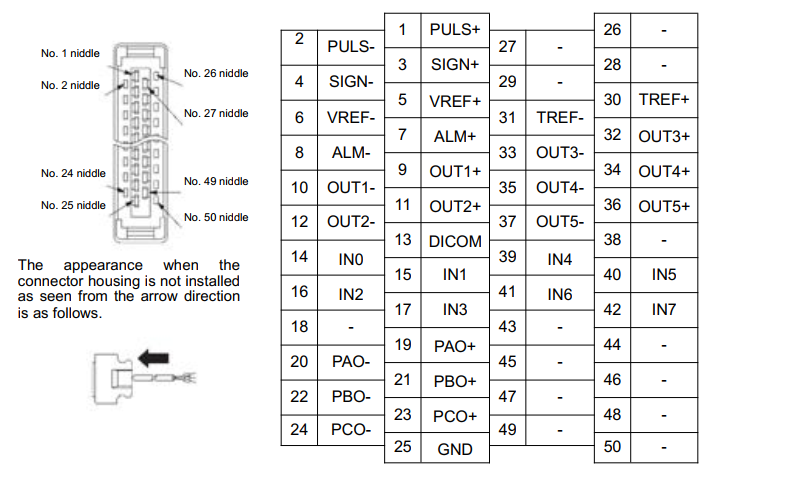
LAN Connector



DB25 connector



CN1 Connector



2.1. Connect CAN

Use LAN cable (20NM use CN3, 30 NM use CN4, can test which port can use)

|  |  |  |
| --- | --- | --- |
| **CN3 or CN4** | **Description** | **DB25** |
| 1 | CAN H | 18 |
| 2 | CAN L | 6 |
| 3 | GND | 14 |

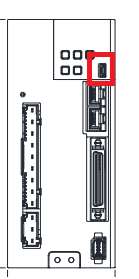
2.2. Connect CN1

Use at least 7 wires cable

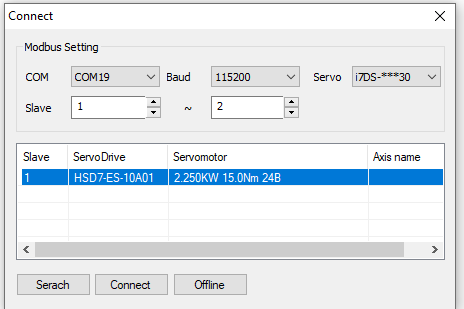
|  |  |  |
| --- | --- | --- |
| CN1 | **Description** | DB25 |
| 13 | 24V | 1 |
| 14 | Servo On | 2 |
| 15 | Force stop (E-Stop) | 15 |
| 16 | P-OT | 8 |
| 17 | N-OT | 8 |
| 23 | Z+ | 13 |
| 24 | Z- | 25 |

1. **Connect to device**

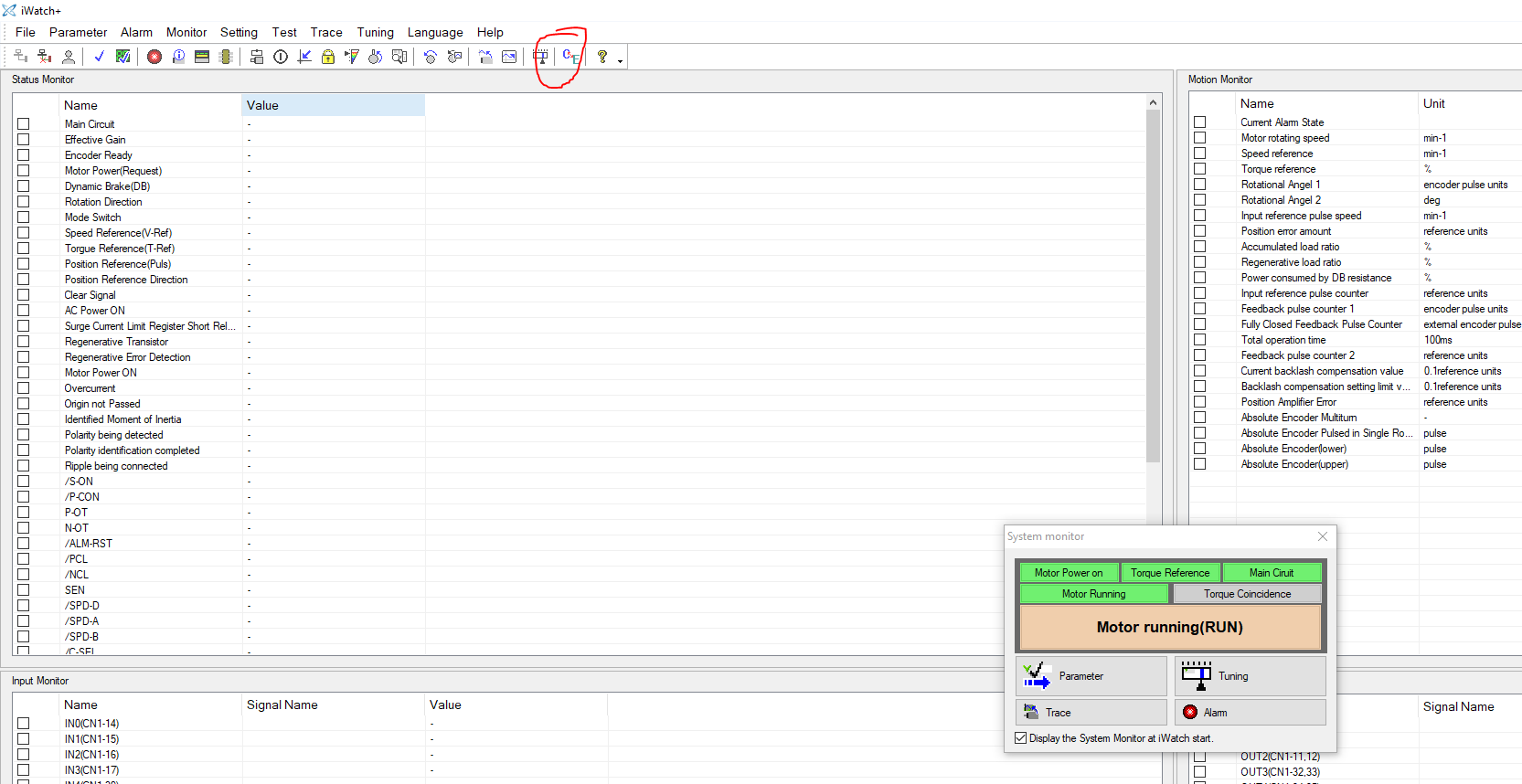
* Use mini usb to USB connect servo driver to PC

****

* Open iwatch -> choose serial port (not port 1) -> seach -> choose device -> connect

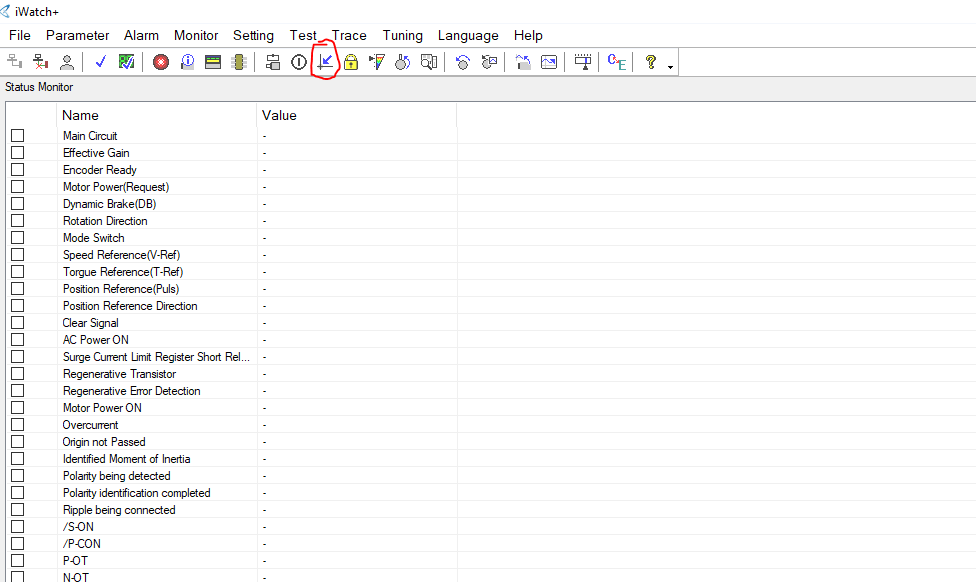


* Click C/E to choose English



1. Reset encoder if driver has alarm A.810

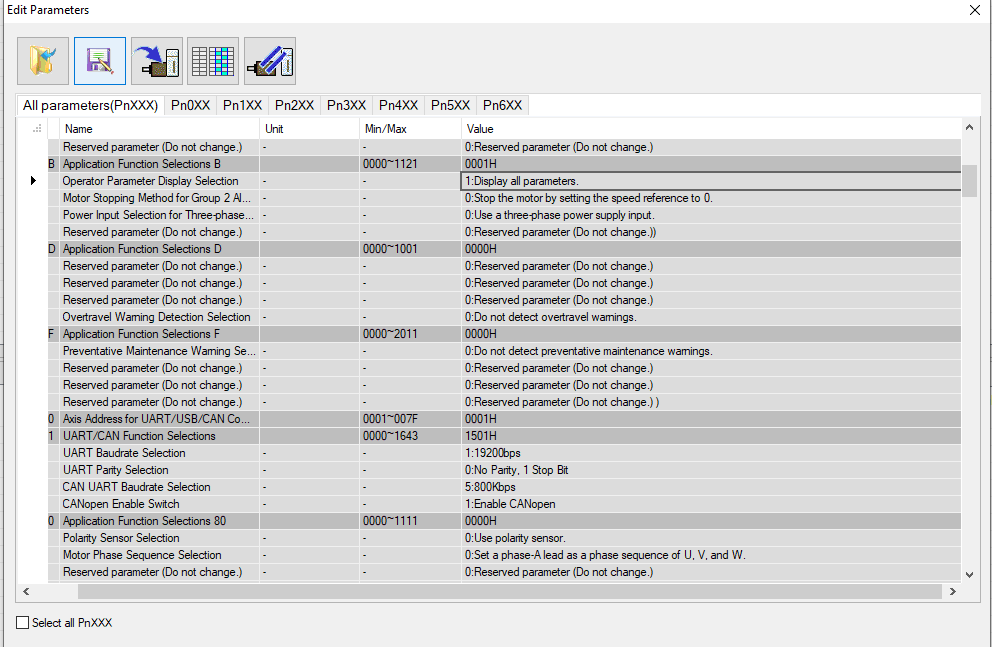
The 1st connect encoder to servo need to reset encoder



* Click “excecute” 🡺 power off driver 🡺 power on again.

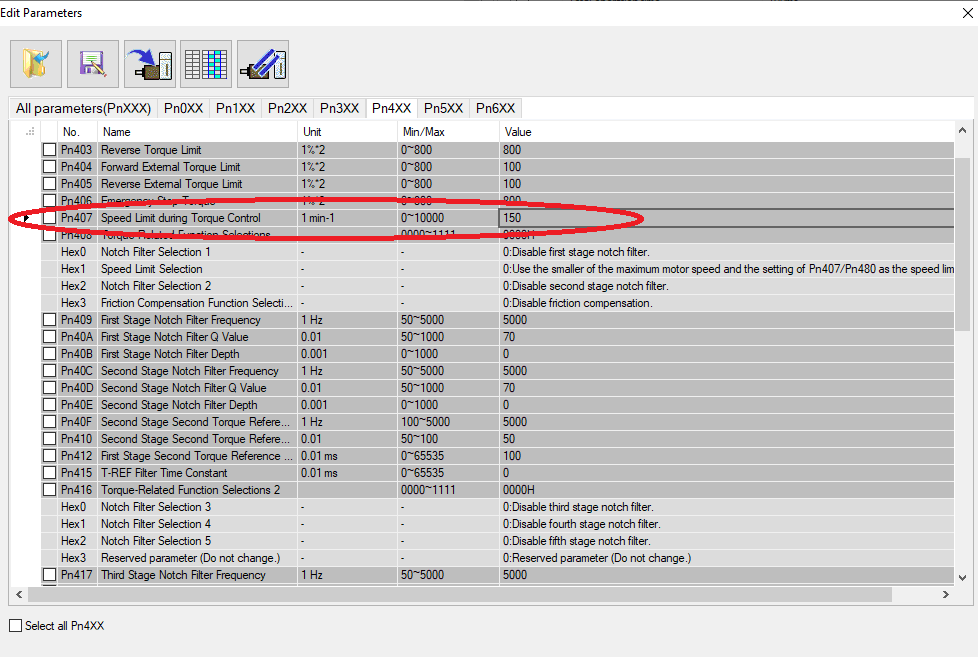
1. Display all parameter

PN00B-> set “operator parameter display selection” too “display all parameters”



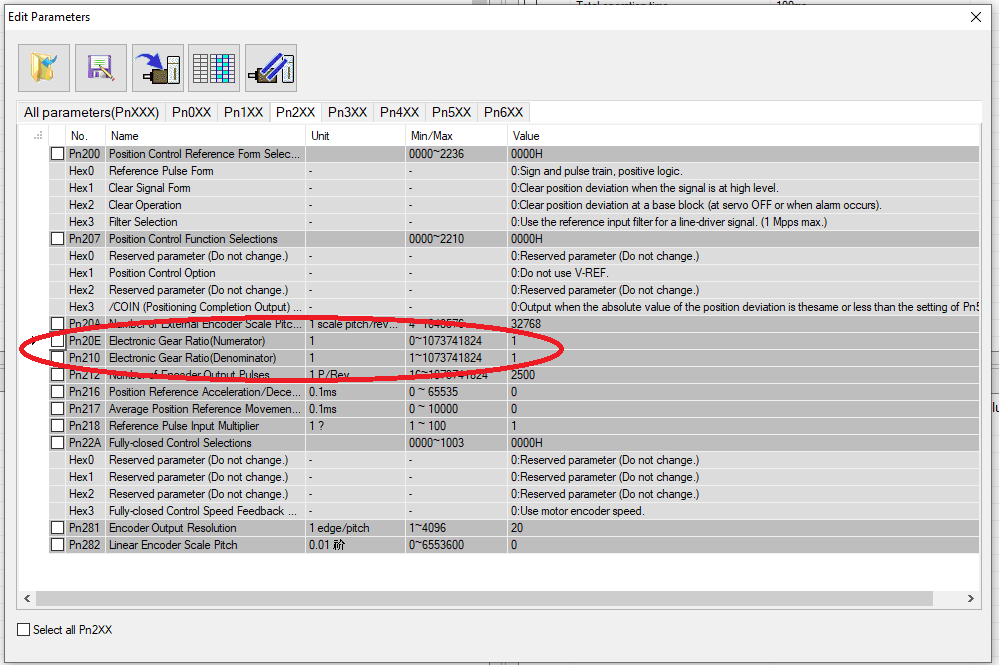
1. Setup Parametter
   1. Set max speed during torque control

PN407 (here I set 150 rpm, you can choose from 120-200, depend on you :D)

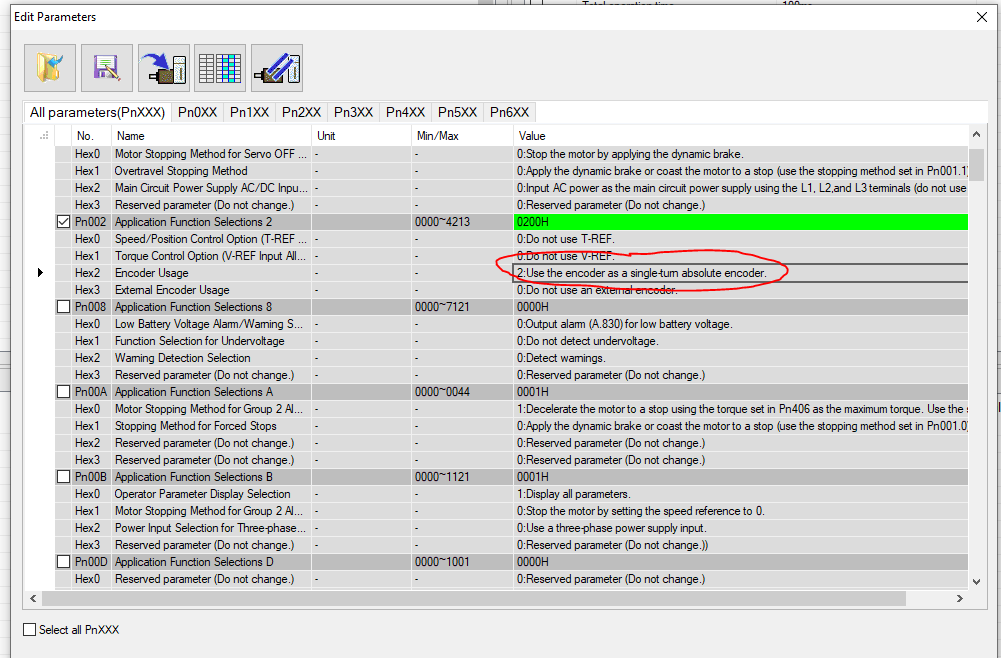


2.2. set encoder to maximum resolution

PN20E and PN210

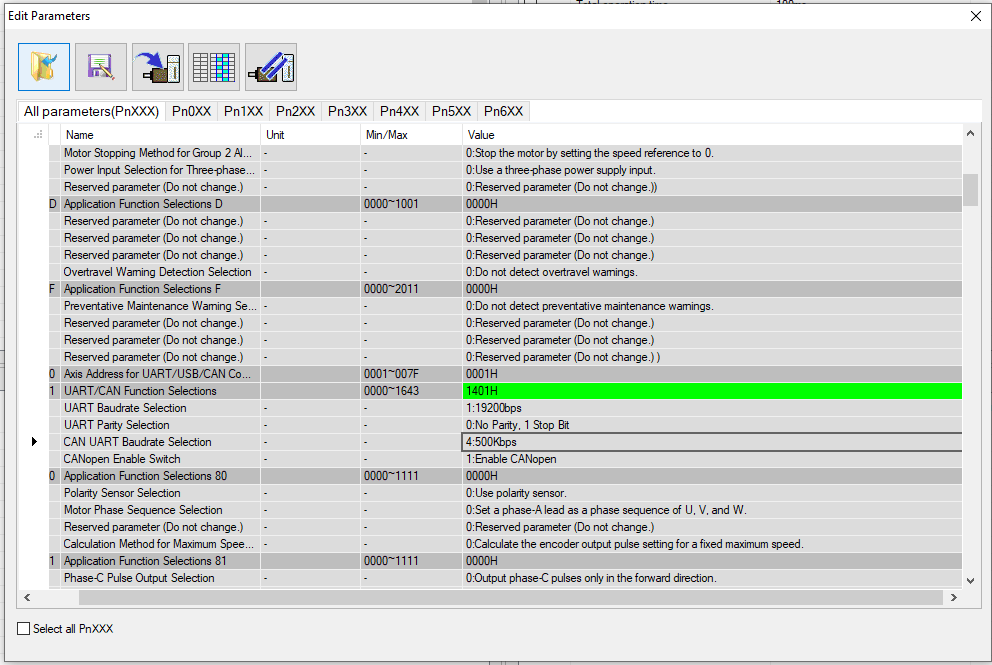


Config encoder as single turn



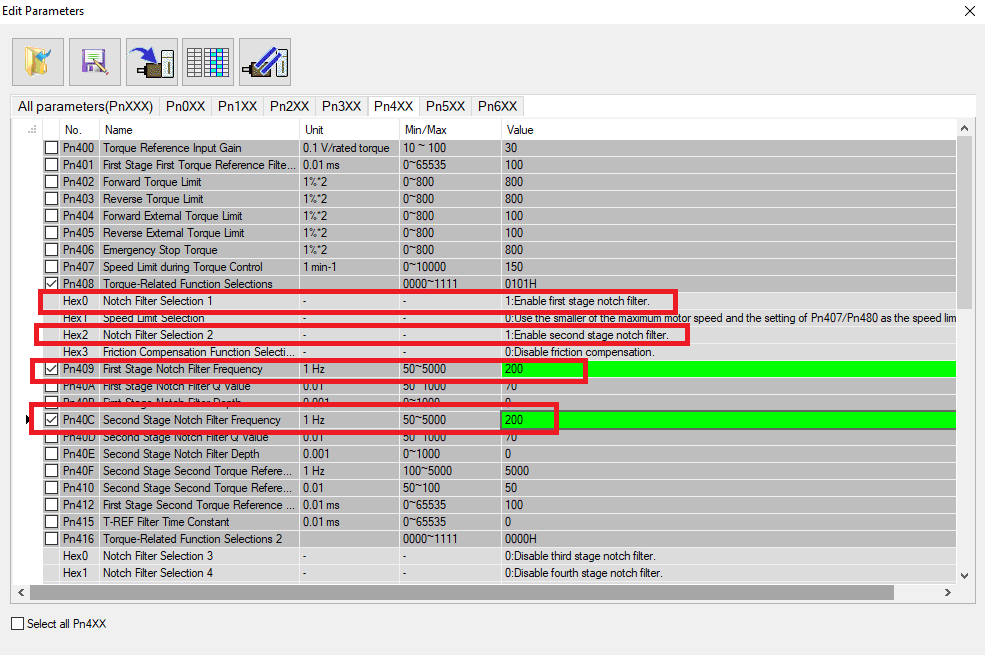
2.3. Enable CanOpen

PN011: Hex 2 choose 800kbps, hex3 enable can open

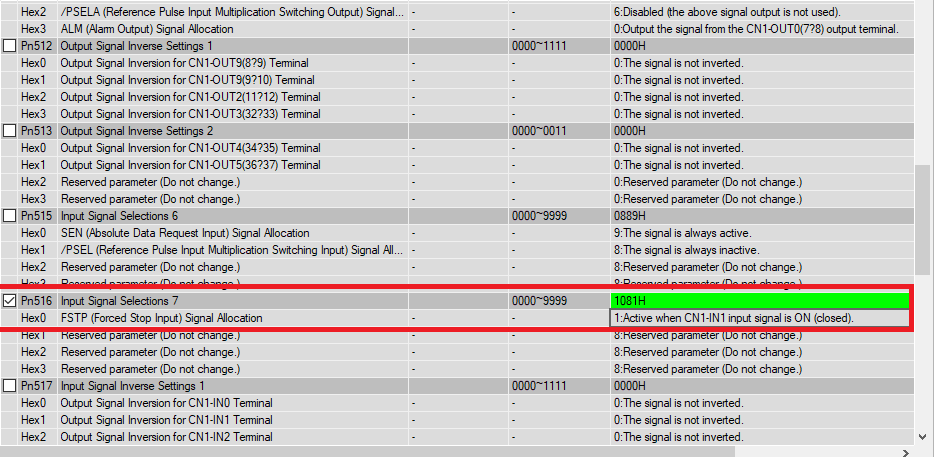


2.4. Config filter

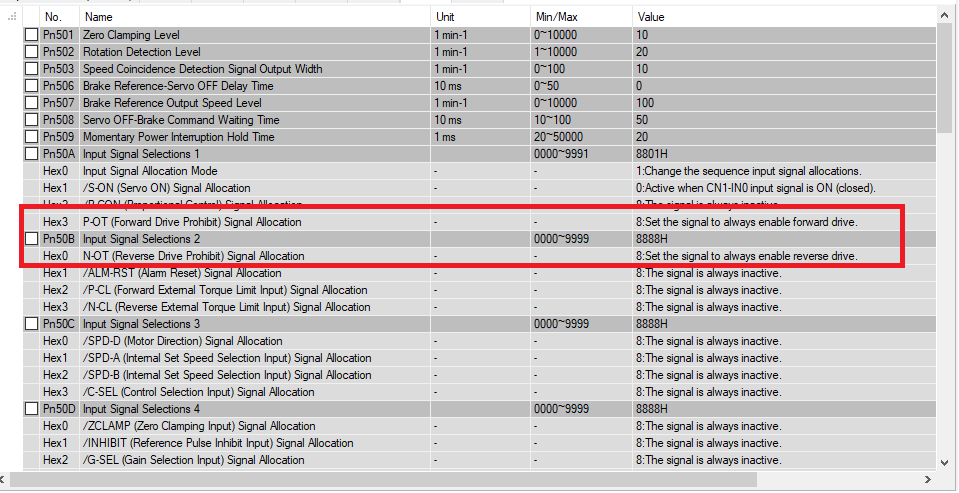
Enable filter and cutoff freq to 200hz



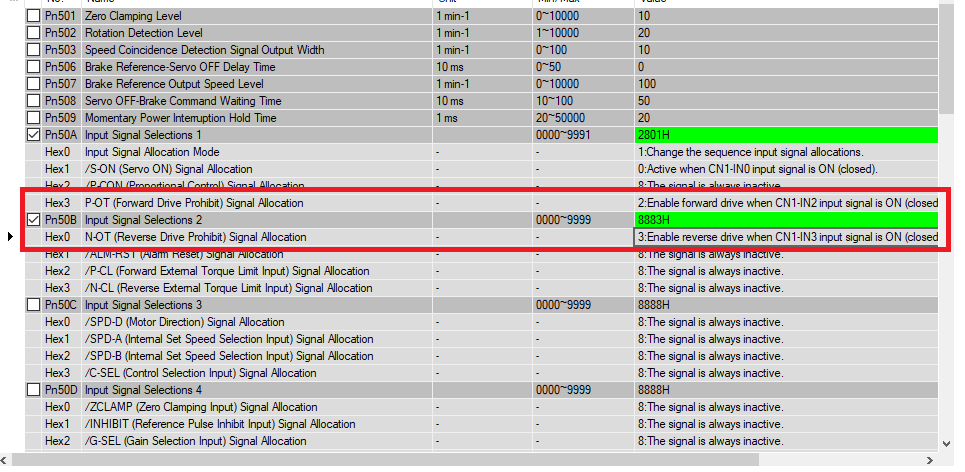
2.4. enable Force stop



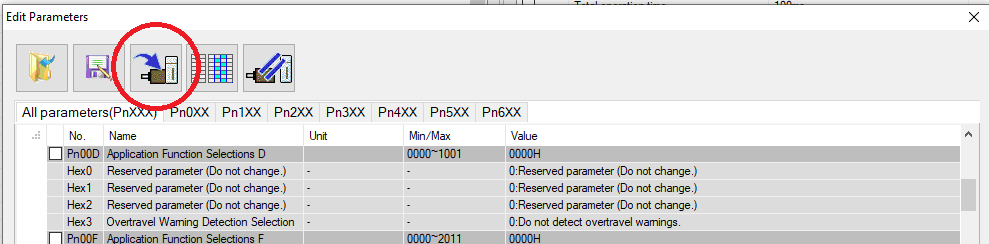
2.5. disable prohibit for testing



After testing work change like this



2.6. Save paramters to Servo Driver



2.7. Restart servo