FASTECH

Fast, Accurate, Smooth Motion

Ezi-SERVOII-EC
Basic operation manual for
< DELTA 'L221 >

DELTA

10th. Jan. 2019

FASTECH

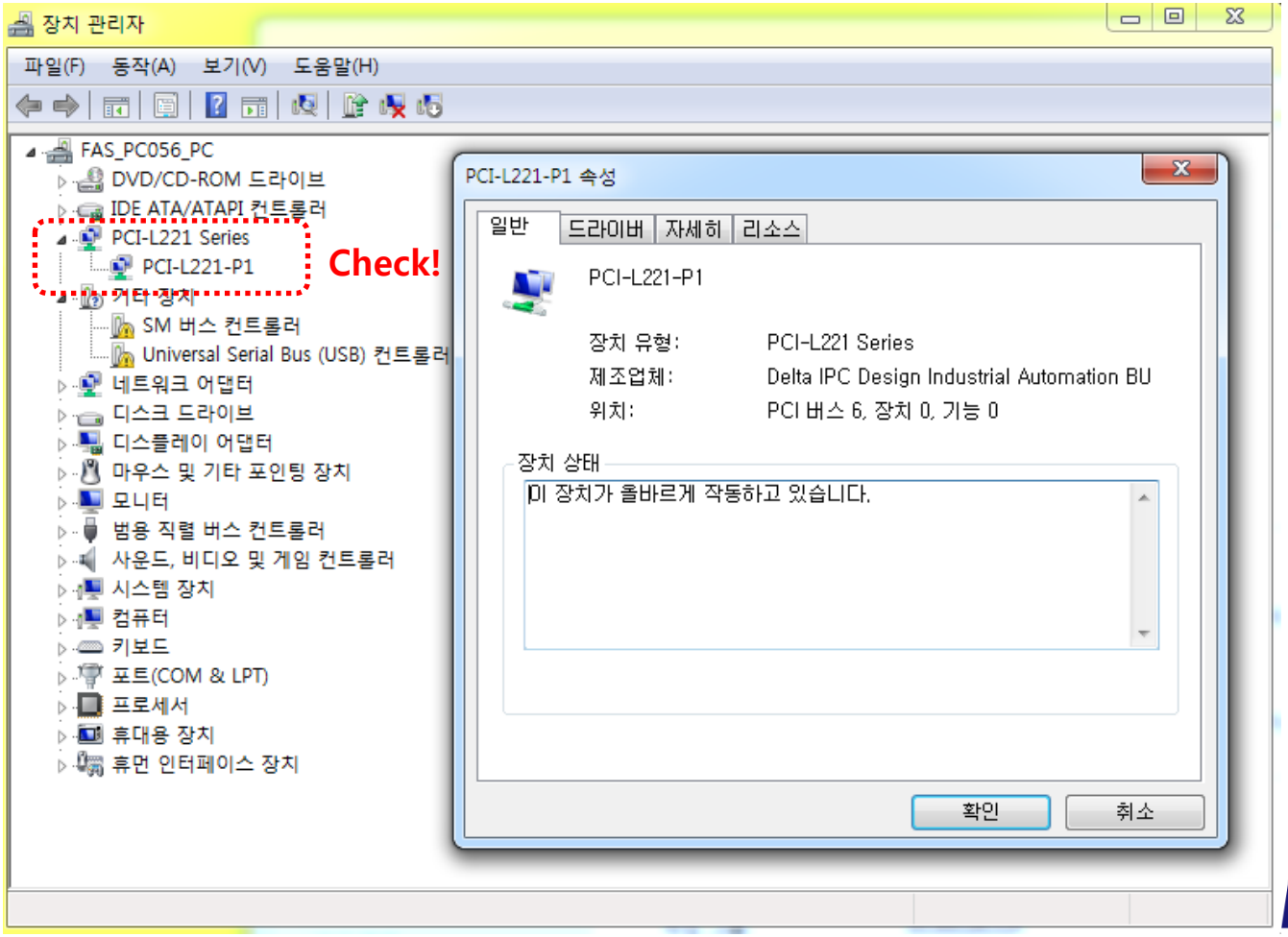


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Closed Loop Stepping System

▣ L221 (MASTER) installation (PCI type)

❑ After installing L222 (DELTA PCI type) in PC, check whether driver is recognized normally after installing program

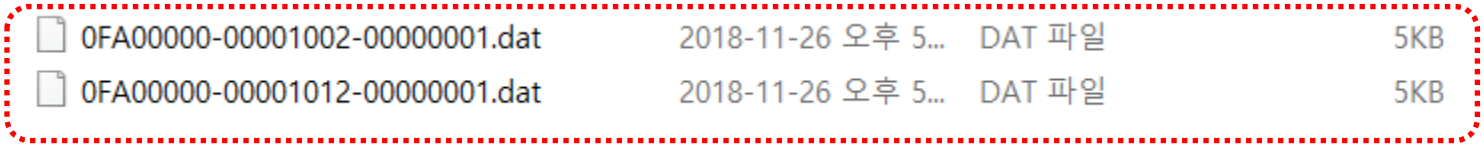


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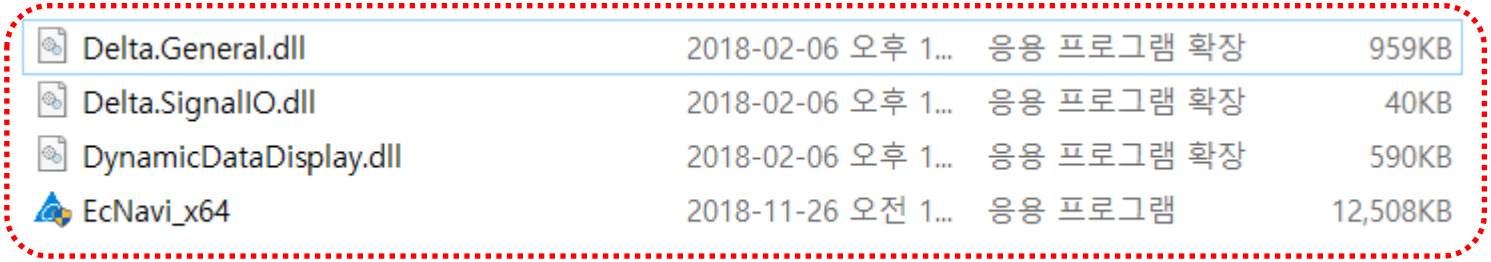
▣ DELTA Software(EcNavi) installation

❑ **After installing DELTA EcNavi, execute the below process step 1 (20180917 version based)**

- **Copy the DAT file to the C: ₩ EtherCAT ₩ AutoConf folder**



- **Copy the dll and execution files to the C: ₩ Program Files (x86) ₩ Delta Industrial Automation ₩ EtherCAT ₩ app folder**



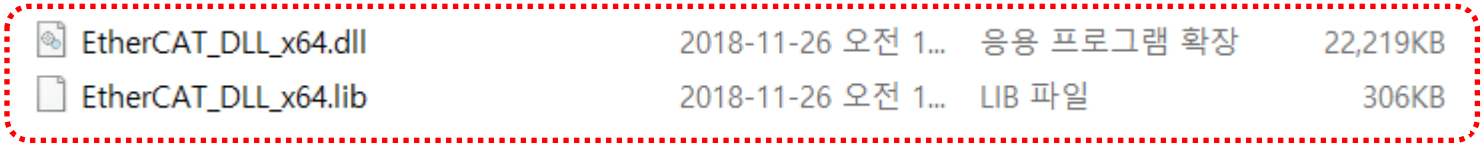
▣ DELTA Software(EcNavi) installation

❑ **After installing DELTA EcNavi, execute the below process step 2 (20180917 version based)**

- **Copy the dll, lib file to the C: ₩ Program Files (x86) ₩ Delta Industrial Automation ₩ EtherCAT ₩ dll folder**



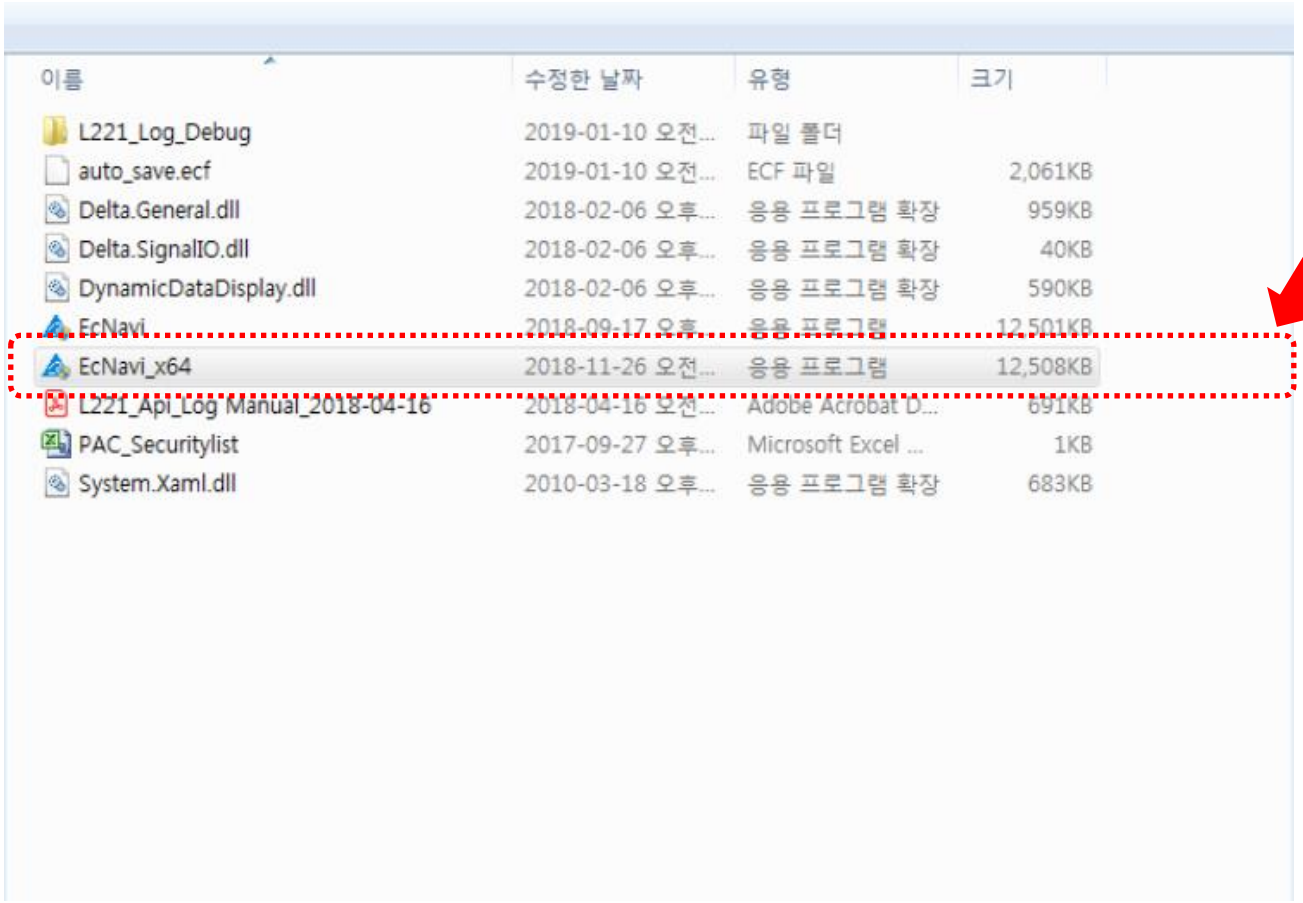
- **Copy DLL and execution file to the C: ₩ Windows ₩ System32 folder**



2. EcNavi execution [GUI program execute]

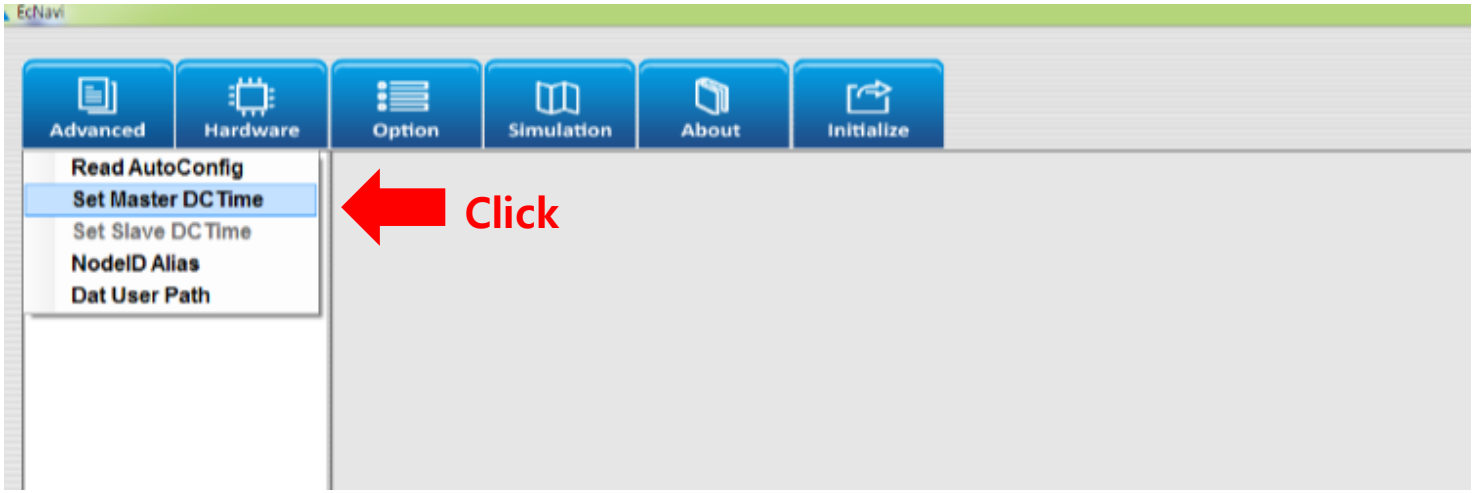
❑ EcNavi executaion

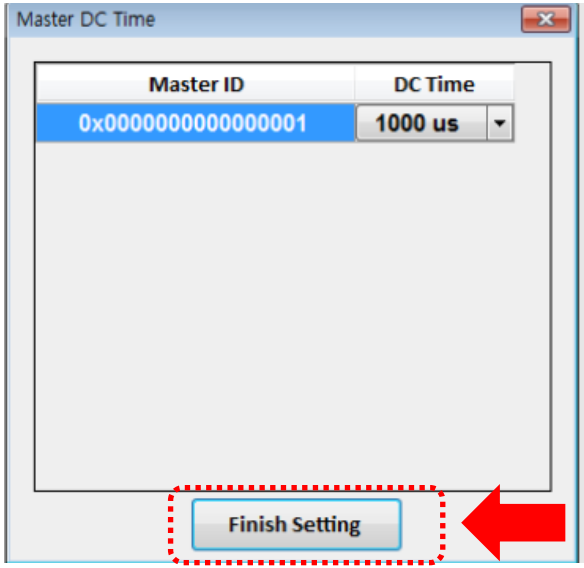
Execution file path : C:₩Program Files₩Delta Industrial Automation₩EtherCAT₩app



2. EcNavi execution [GUI program execute]

❑ Master / Slave connect





Click 'Finish Setting' button after setting DC Time

2. EcNavi execution [GUI program execute]

❑ Master / Slave connect



1) If you click the 'Initialize' button

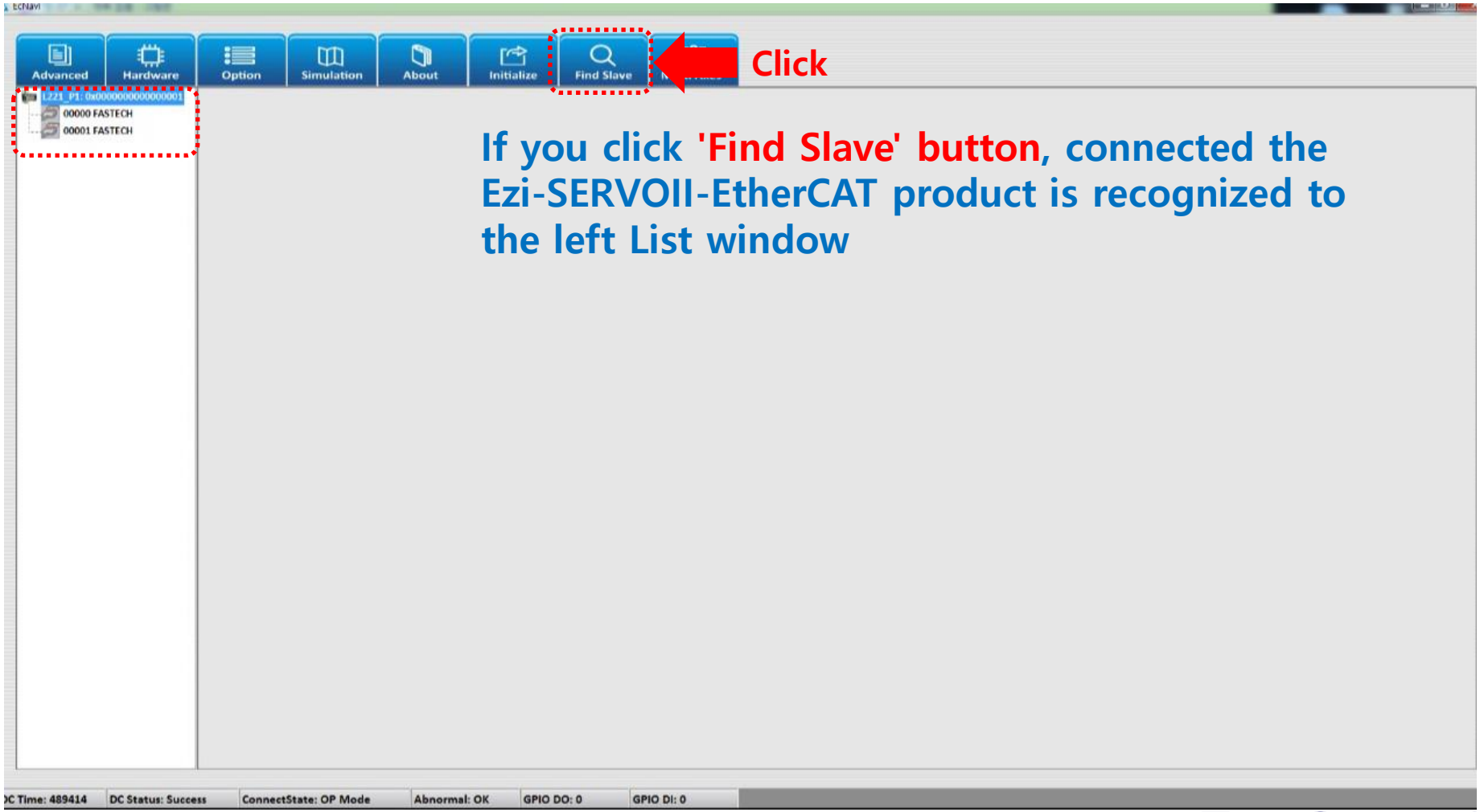
2) 'Initialing Dialog' appears and the Master is recognized after some recognition time.



< Screen shot of normally recognized L221 Master >

2. EcNavi execution [GUI program execute]

❑ Master / Slave connect



< Screen shot for normally recognized Ezi-SERVOII-EtherCAT product>

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3. Motion driving [Using the GUI Program]

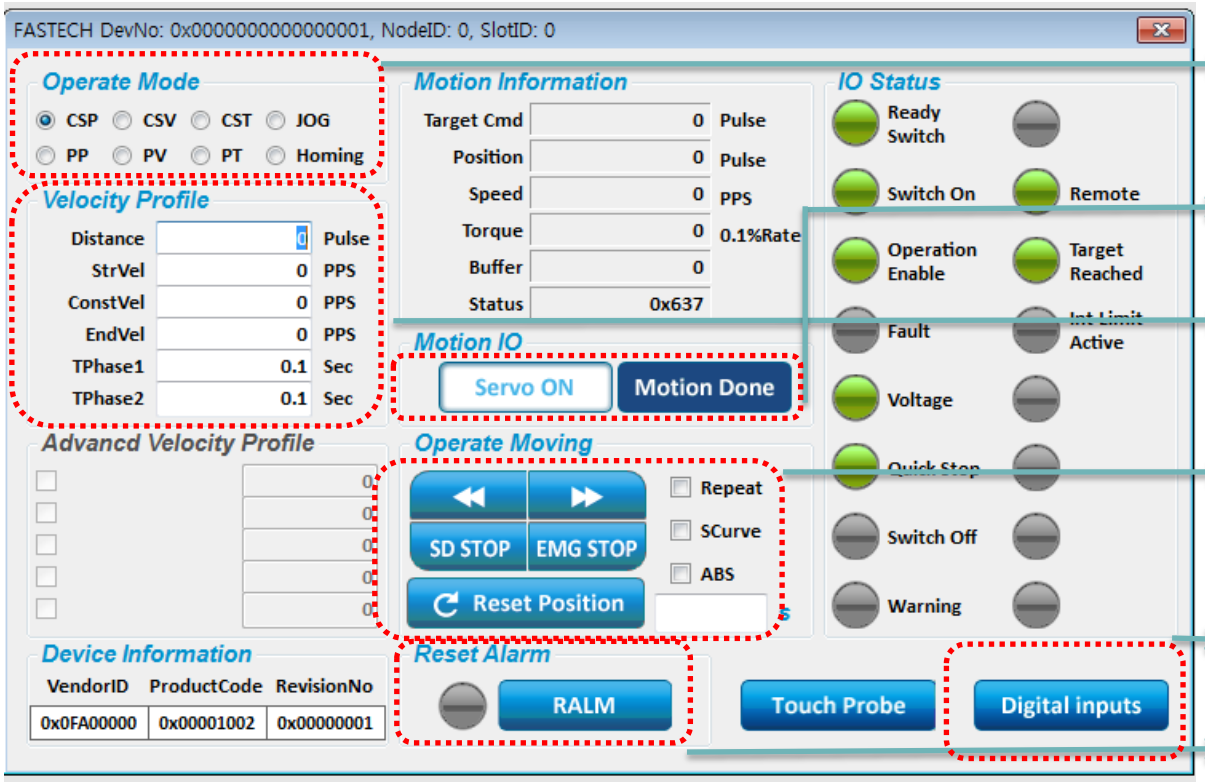
❑ 1 Axis operation



When double-click the recognized FASTECH product, activating the setting window to start motion driving

3. Motion driving [Using the GUI Program]

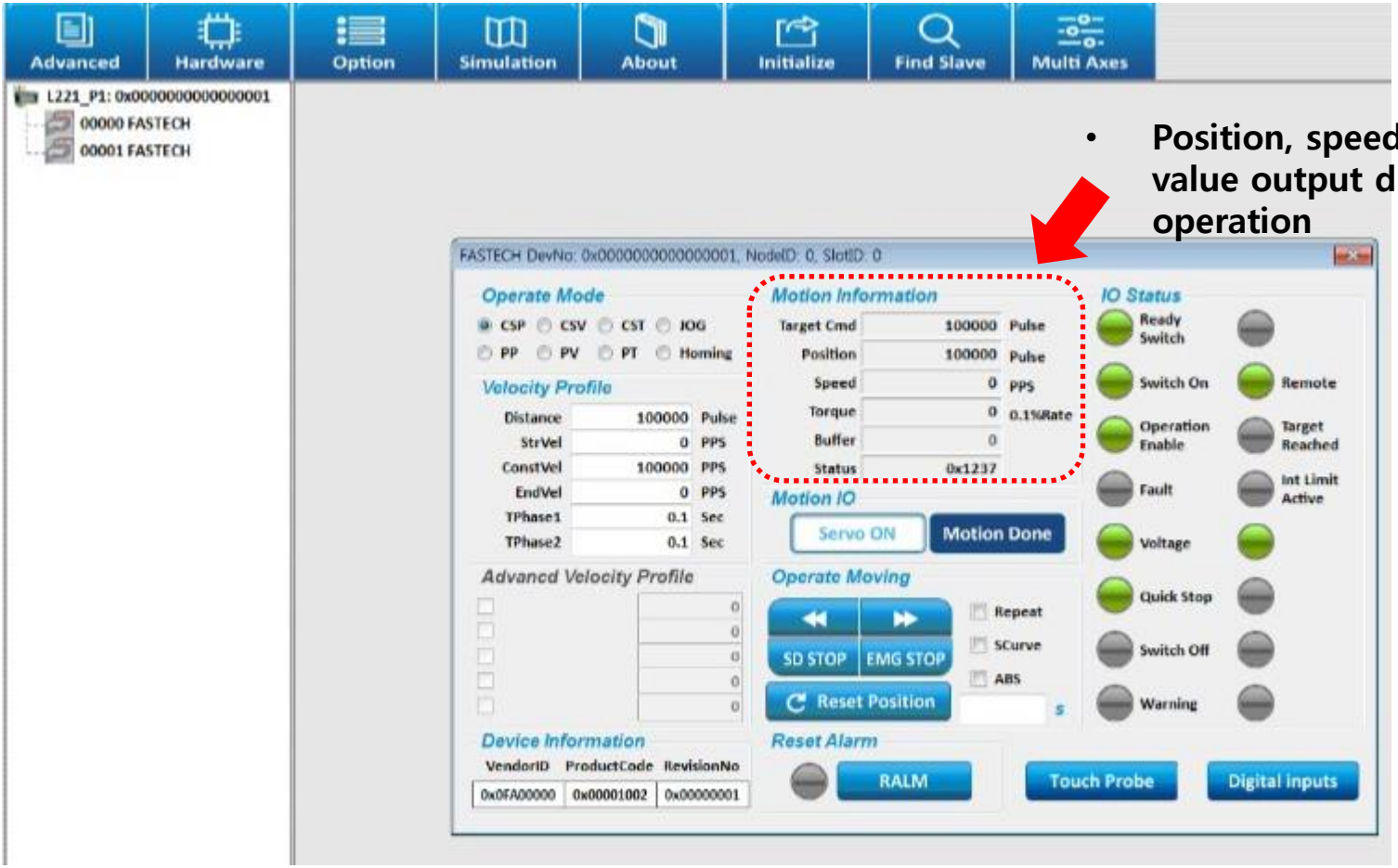
❑ 1 Axis operation



- CSP, JOG, PP, Homing motion possible
- Servo ON / OFF
- Motion Status
- Motion Profile input box
- Motion execution
- Check Digital Input
- Alarm Reset

3. Motion driving [Using the GUI Program]

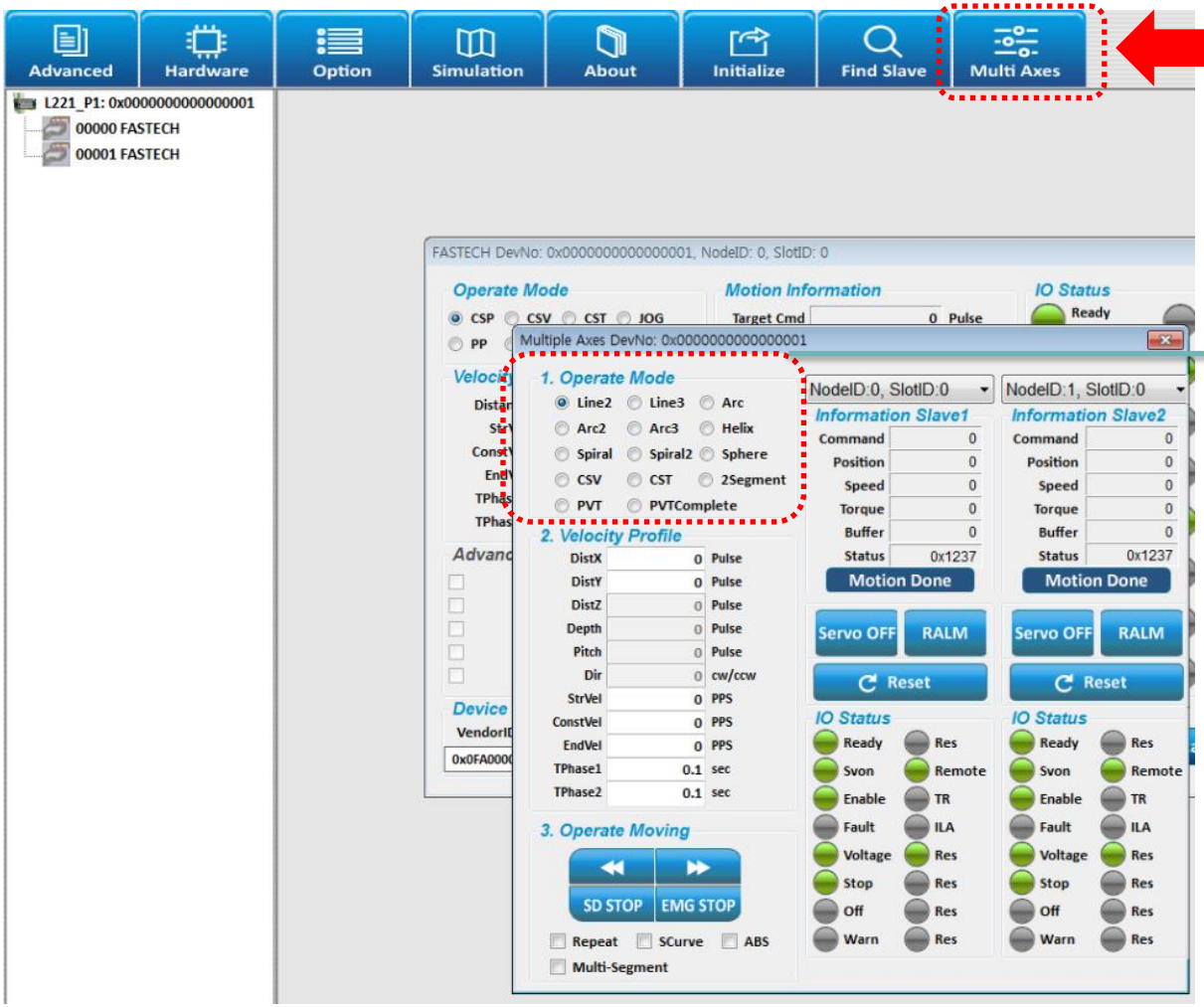
❑ 1 Axis operation



- **Position, speed and status value output during operation**

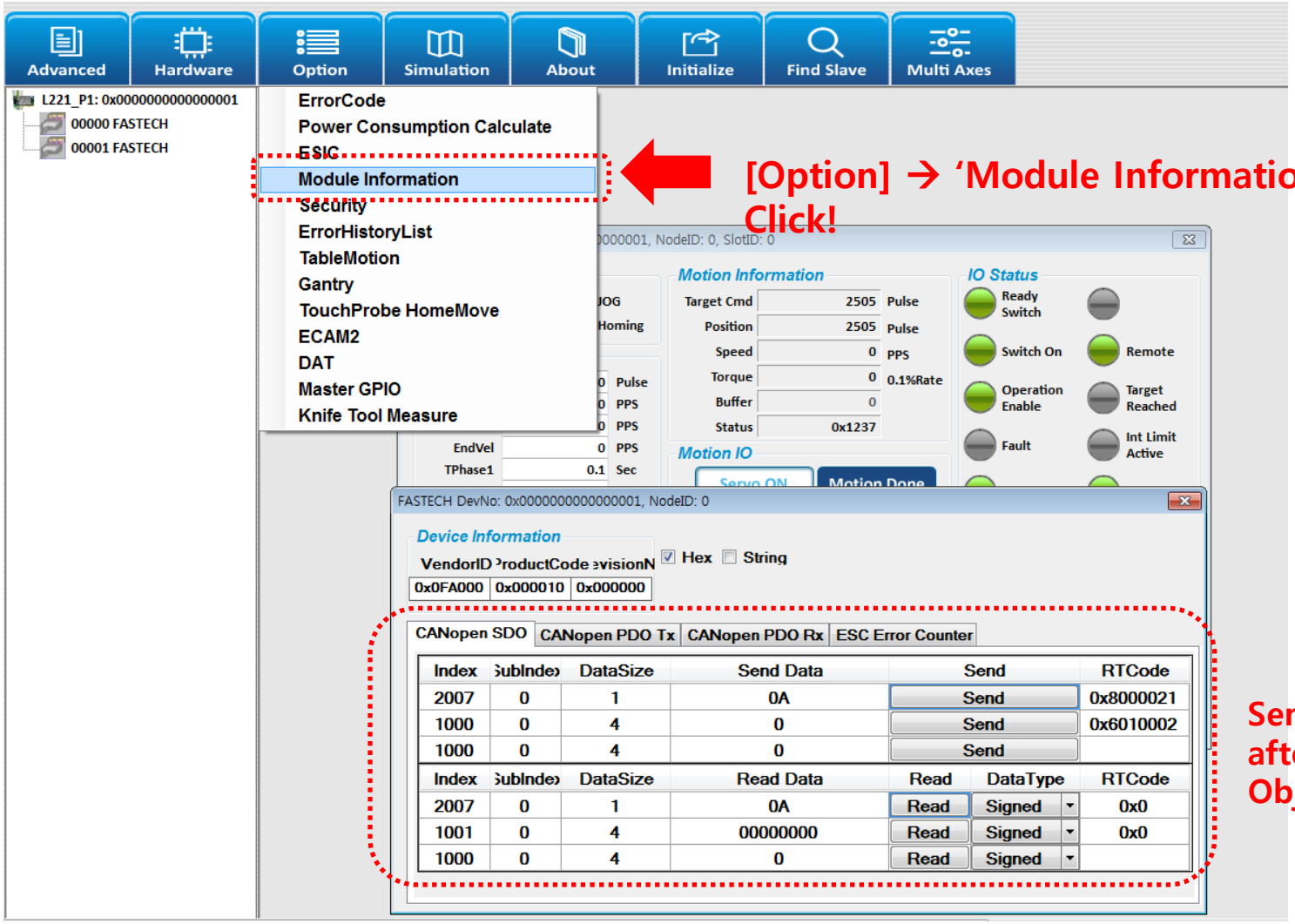
3. Motion driving [Using the GUI Program]

❑ Multi Axes operation



4. SDO communication [Using the GUI Program]

❑ Objects updating by using of SDO

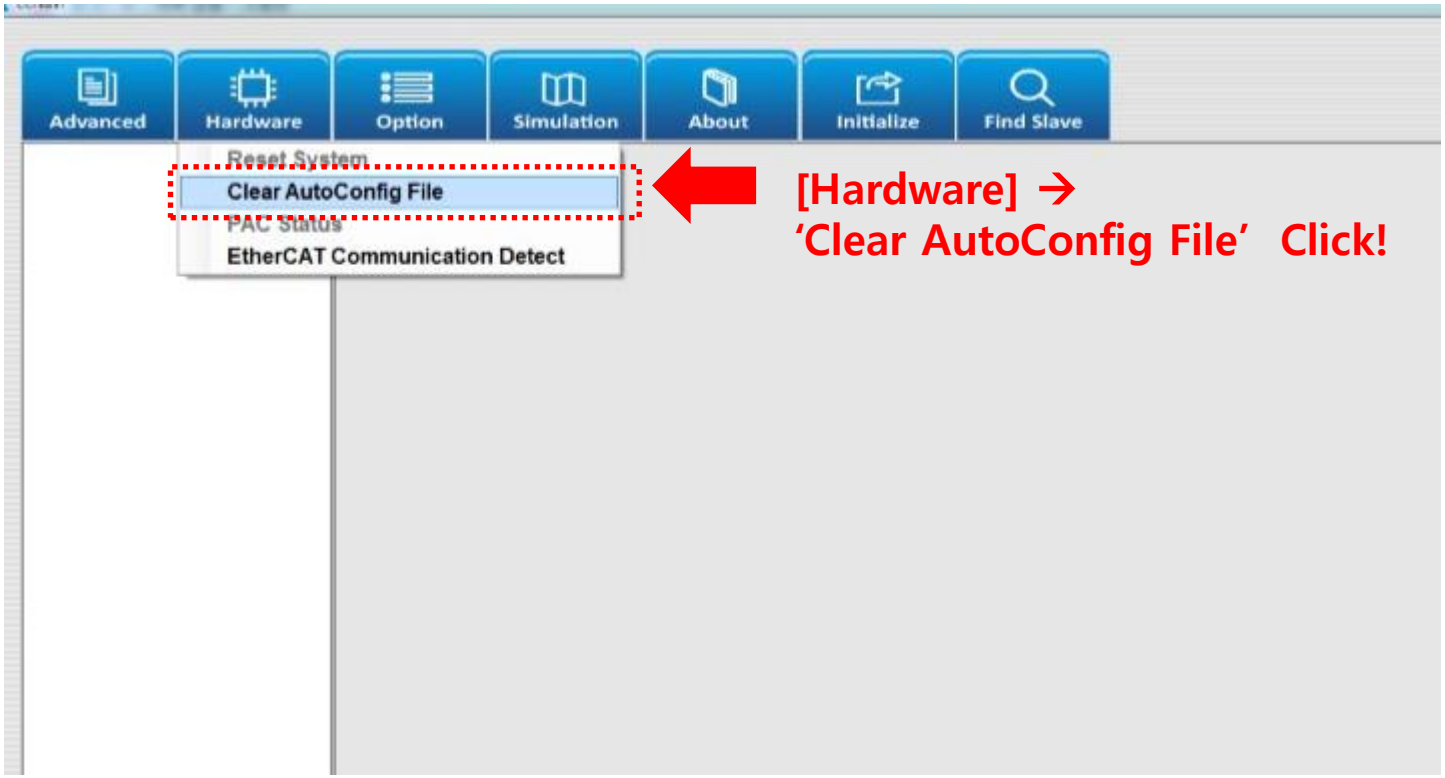


Send / Read is possible after input according to Object property

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5. End communication [Using the GUI Program]

❑ Clear



We are a pioneer changing the history of step motor !!



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