

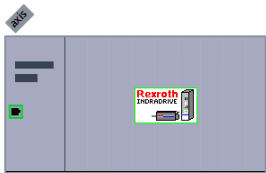
EN-Profinet IndraDrive (TIA FB's) Quickstart


Date:	03.06.2019
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Version:	V1.0

DE-S7Profinet IndraDrive

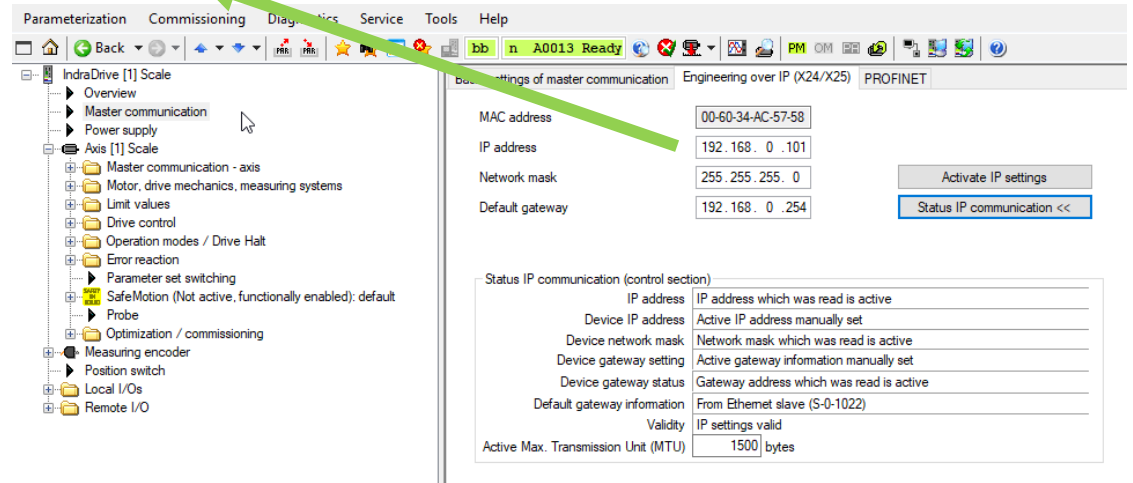
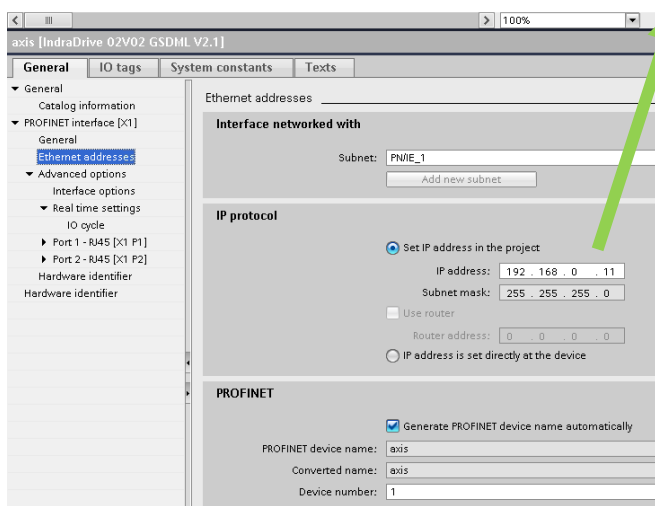
General important hint for Profinet with IndraDrive:

→ The master communication engineering IP address must be **different** to the Profinet IP address (automatically set by Siemens PLC)!



192.168.0.11 = 192.168.0.11 

192.168.0.11 ≠ 192.168.0.101 



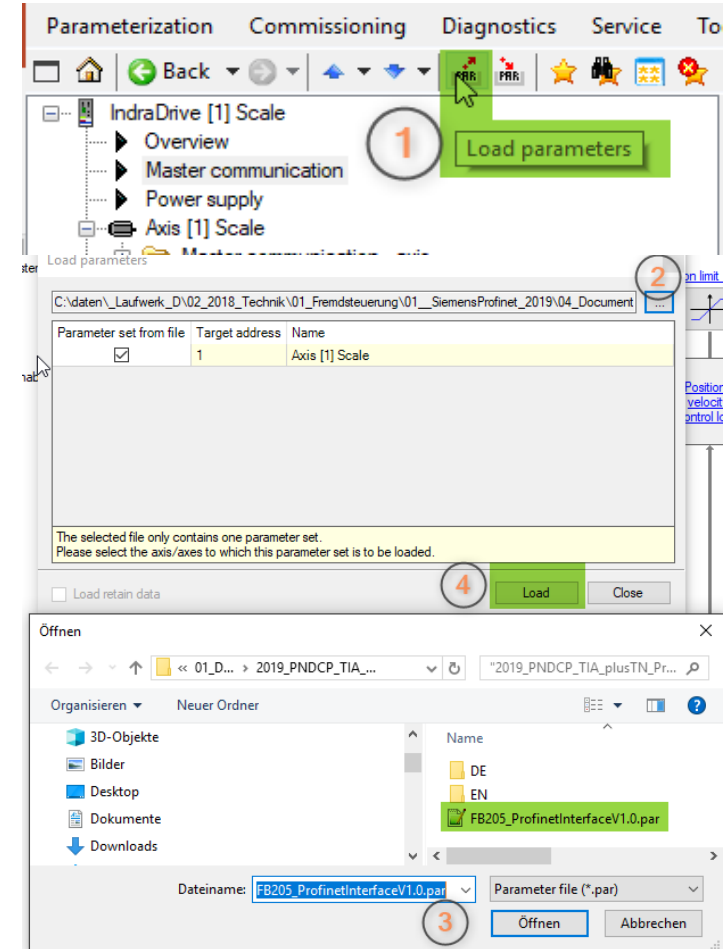
DE-S7Profinet IndraDrive

Load (small) parameter file to configure the IndraDrive Interface!

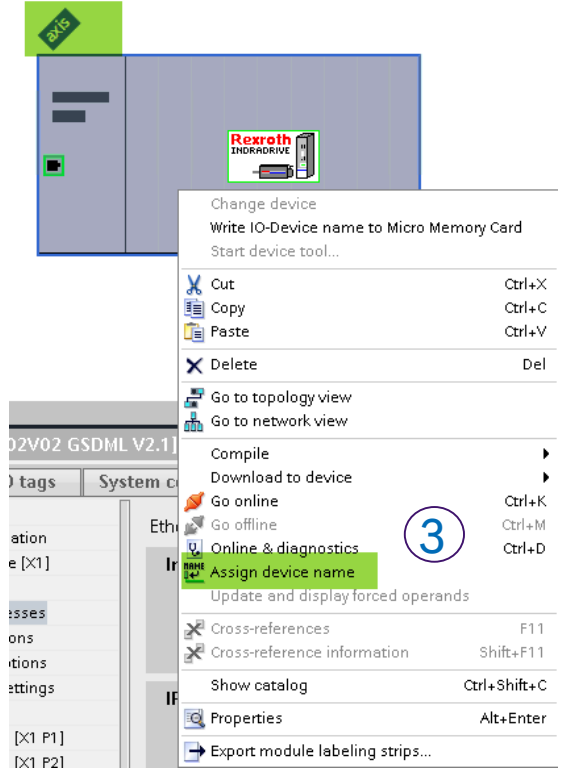
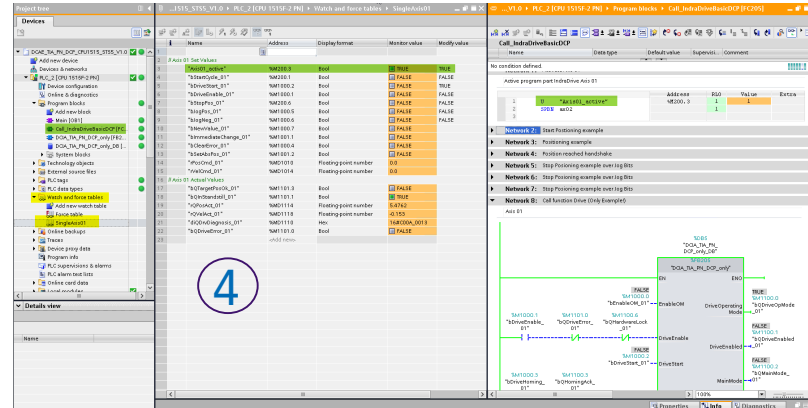
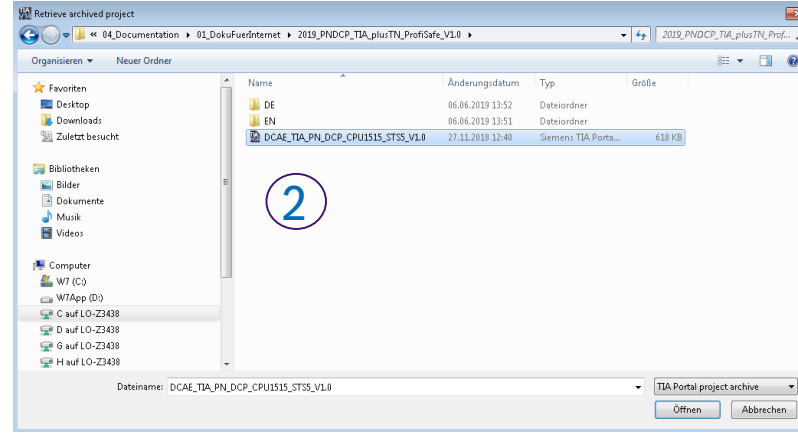
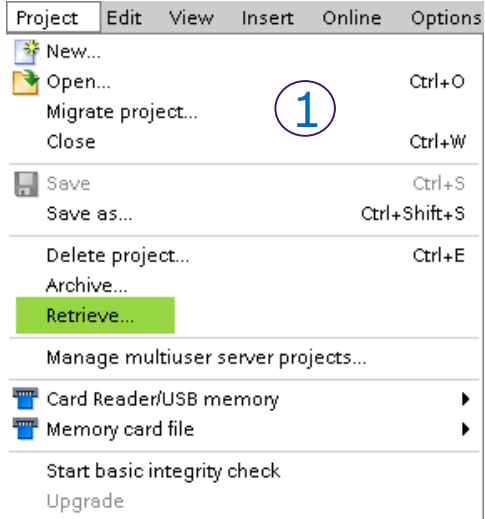
1. Loading this parameter file
2. Reboot the Drive (24V On/Off)
3. Loading this parameter file again (as a precaution)
4. Connect S7 CPU with the drive
5. Retrieve the example project (see next side)
6. Open the project
7. Assign device name (see next side)
8. Start the example (Profinet communication should be run)
9. Activate the program example (see next side)
10. Details see [EN_Profinet_FB_DCP_IndraDrive_V1.0.pdf](#)



FB205_ProfinetInterfaceV1.0.par



DE-S7Profinet IndraDrive Open TIA example project



DE-S7Profinet IndraDrive

Open TIA example project

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The screenshot displays the Siemens TIA Portal software interface for configuring a DE-S7Profinet IndraDrive project. The interface is divided into three main panes:

- Project tree (Left):** Shows the project structure, including the 'DCAE_TIA_PN_DCP_CPU1515_ST55_V1.0' project, 'PLC_2 [CPU 1515F-2 PN]', and 'Program blocks'. The 'Call_IndraDriveBasicDCP [FC205]' block is highlighted.
- Watch and force tables (Middle):** Displays a table of variables for 'Axis 01 Set Values'. The table includes columns for Name, Address, Display format, Monitor value, and Modify value. The 'Axis01_active' variable is highlighted.
- Program blocks (Right):** Shows the 'Call_IndraDriveBasicDCP' block configuration. The 'Active program part IndraDrive Axis 01' is selected, and the 'Network 2: Start Positioning example' is highlighted. The network diagram shows the connection between the 'EN' input and the 'DriveOperating Mode' output.

The 'Watch and force tables' pane shows the following data for 'Axis 01 Set Values':

Name	Address	Display format	Monitor value	Modify value
Axis01_active	%M200.3	Bool	TRUE	TRUE
bStartCycle_01	%M200.1	Bool	FALSE	FALSE
bDriveStart_01	%M1000.2	Bool	FALSE	TRUE
bDriveEnable_01	%M1000.1	Bool	FALSE	FALSE
bStopPos_01	%M200.6	Bool	FALSE	FALSE
bJogNeg_01	%M1000.5	Bool	FALSE	FALSE
bJogPos_01	%M1000.6	Bool	FALSE	FALSE
bNewValue_01	%M1000.7	Bool	FALSE	FALSE
bImmediateChange_01	%M1001.1	Bool	FALSE	FALSE
bClearError_01	%M1000.4	Bool	FALSE	FALSE
bSetAbsPos_01	%M1001.2	Bool	FALSE	FALSE
rPosCmd_01	%MD1010	Floating-point number	0.0	0.0
rVelCmd_01	%MD1014	Floating-point number	0.0	0.0
bQTargetPosOk_01	%M1101.3	Bool	FALSE	FALSE
bQInStandstill_01	%M1101.1	Bool	TRUE	TRUE
rQPosAct_01	%MD1114	Floating-point number	5.4762	5.4762
rQVelAct_01	%MD1118	Floating-point number	-0.153	-0.153
diQDrvDiagnosis_01	%MD1110	Hex	16#C00A_0013	16#C00A_0013
bQDriveError_01	%M1101.0	Bool	FALSE	FALSE

The 'Program blocks' pane shows the 'Call_IndraDriveBasicDCP' block configuration. The 'Active program part IndraDrive Axis 01' is selected, and the 'Network 2: Start Positioning example' is highlighted. The network diagram shows the connection between the 'EN' input and the 'DriveOperating Mode' output.