# maxon motor control

maxon motor ag Brünigstrasse 220 CH – 6072 Sachseln www.maxonmotor.com MAXPOS / MAXPOS Studio: Download of \*.mxpj project file parameters to a MAXPOS Version: 1.00 (Eng.) Author: ROMA / WJ Date: 2019-08-22

# MAXPOS / MAXPOS Studio: Download of the \*.mxpj project parameter settings to a MAXPOS

# Topic:

How to import / download the parameters of a \*.mxpj project file to a MAXPOS controller?

# Solution:

The "MAXPOS Studio" software is based on a project structure to manage system and drive parameter settings. There are three steps required to download the parameter settings of a \*.mxpj project file to a MAXPOS controller:

### 1. Startup of MAXPOS Studio

If MAXPOS Studio starts up, there are no parameters defined by the project initially.

le Start Workspace View Help	
Ioad       Assign       Download       Store       Restore       Assign       Update         Parameters       Prometers       Firmware         *       <	5 [Station 1] - Axis Motor Enter motor type and characteristics (consult maxon catalog). Motor Type maxon EC motor (BLDC) Nominal Current Output Current Limit Torque Constant Thermal Time Constant Winding Max. Permissible Speed Number of Pole Pairs

#### Important:

> MAXPOS Studio 1.4 (or higher) must be installed.

#### MAXPOS Studio 1.4

Please check the version number in the headline of MAXPOS Studio. If you have an older software version than 1.4, please download the latest MAXPOS Studio by the maxon website (e.g. http://maxpos.maxongroup.com) and replace your former MAXPOS Studio

installation.

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- 2. Assign the parameters of a \*.mxpj file to a "MAXPOS Studio" project
  - Select the "Start" tab
  - Click the "Assign" icon



> Browse for the \*.mxpj project file

from which you like to import the MAXPOS configuration parameters.

Parameters  Project  MAXPOS 50/5 [Station 1]  Axis		Workspace Project MAXPOS 50/5 [Station 1] Axis
	Agsign >>	
	Remove Remove All	
Browse		Select <u>A</u> ll Select <u>N</u> one

> Assign the "MAXPOS 50/5" parameters of the file to the "MAXPOS Studio" project.



- ⇒ Select / mark the "Parameters" branch underneath the "MAXPOS 50/5".
- $\Rightarrow$  Press the "**Assign >>**" button.
- ⇒ The "MAXPOS 50/5" (general) parameters of the \*.mxpj file are copied to the "MAXPOS Studio" project (i.e. the parameters which are not depending on the motor combination).

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> Assign the "Axis" parameters of the file to the "MAXPOS Studio" project



- ⇒ Select / mark the "Parameters" branch of the "Axis" section.
- $\Rightarrow$  Press the "Assign >>" button.
- ⇒ The "Axis" parameters of the \*.mxpj file are copied to the "MAXPOS Studio" project (i.e. all parameters related to the motor, encoder, gear, motion data and limits, …).
- Press "Close" to exit the window. The general and axis parameters of the \*.mxpj file have been copied into the "MAXPOS Studio" project now.

#### 3. Download "MAXPOS Studio's" project parameters to the "MAXPOS" controller



Press "Start" to download the parameters from the "MAXPOS Studio" project to the "MAXPOS" controller.

, Download Parameters			
ontroller	Progress		
MAXPOS 50/5 [Station 1]	Pending		
Axis	Pending		
Select All Select N	one		Start
			Close
		_	