


Document	version	date	Visa	
Release notes KannMOTION / V0.6 -Eschen	0.6	21.7.2017 17.8.2017	MZI	

1 Release Notes KannMotion, StepperConfigTool - V0.6


Title	Group	Description
Extended information column	<i>New</i>	Input state is shown, update rate ap. 1s
Sequence commands	<i>New</i>	Sequence commands are strictly hold in english see 4.1
English/german	<i>New</i>	Tool language adapts depending on target PC to german or english
Integrated manual	<i>Improvement</i>	Integrated manual contains now more clear examples, manual was totally revised
IO-Configuration, NEMA17	<i>New</i>	Input Thresholds can be defined Output stage configuration, can be defined
Downward compatibility	<i>Improvement</i>	Old setups, created by Versions V0.3/0.4/0.5 can be opened without 'blue screen' old setups will be converted into new file format (*.kann) and (*.kanns)
Motor configuration	<i>Improvement</i>	New configurations will be stored automatically in public working directory of tool (e.g. C:\Users\Public\Documents\StepperConfigTool (V.0.6)\Vorlagen)
Sequence editor, parameter hiding	<i>Improvement</i>	Depending on parameter choice, unused parameters are hidden, so this shall be less confusing
Sequence editor, parameter indexing	<i>improvement</i>	Identical counting of inputs / output ... all objects indexes are starting newly by 1..
Sequence editor, conditions	<i>improvement</i>	Conditions at if command or other commands, are set in clear text, so you do not anymore need to enumerate your self if there is an check to High or for a negative slope...
Thermal Error	<i>BugFix</i>	Errors are periodically refreshed in info column
Sequence Error	<i>BugFix</i>	In prior versions it was possible to kill PCB controller by incorrect sequence, actual version will prohibit a download of such a damaging sequence to PCB

2 Release Notes KannMotion, PCB-Firmware NEMA24 - V0.6

Title	Group	Description
Thermal Error	<i>BugFix</i>	Errors is not anymore shown at start
Error Management	<i>Improvement</i>	New, clear handling depending on Error included, system is not anyway going into 'Hard-Fault' (means waiting to PowerDown), new version will act depending on error type, goingt into auto-Retr cycle, Restart cycle or wait until error is solved
Timing	<i>Improvement</i>	Communication w. motor PCB, will less influence sequence timing behave
MAX TORQUE, adjustment	<i>Improvement</i>	Calculation of holding torque was adapted, holding torque is newly more accurate than before

3 Release Notes KannMotion, PCB-Firmware NEMA17 - V0.6

Title	Group	Description
IO-Configuration, NEMA17	<i>NEW</i>	Input Thresholds can be defined, Thresholds can be defined via command, Upper threshold, lower threshold can be Set in 10 mV/unit
Thermal Error	<i>BugFix</i>	Errors is not anymore shown at start
Error Management	<i>Improvement</i>	New, clear handling depending on Error included, system is not anyway going into 'Hard-Fault' (means waiting to PowerDown), new version will act depending on error type, goingt into auto-Retr cycle, Restart cycle or wait until error is solved
Timing	<i>Improvement</i>	Communication w. motor PCB, will less influence sequence timing behave
MAX TORQUE, adjustment	<i>Improvement</i>	Calculation of holding torque was adapted, holding torque is newly more accurate than before

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4 Command naming change

4.1 Command set cross table

Pos	New command name	Old command name
1	DELAY	WARTE
2	GO TO POSITION	GEHE ZU POSITION
3	IF	WENN
4	POSITION CONTROL	REGELUNG
5	ROTATE	DREHEN
6	SAVE HOME POSITION	SPEICHERE HOME
7	SAVE POSITION	POSITION SPEICHERN
8	SET OUTPUT	AUSGANG
9	SET MAX ACCELERATION	BESCHELUNIGUNG
10	SET MAX VELOCITY	MAX GESCHWINDIGKEIT
11	SET MAX TORQUE	MAX DREHMOMENT
12	VERSION	VERSION
13	WAIT ON INPUT	WARTE AUF EINGANG
14	WHILE	WIEDERHOLEN

Notice:

you do not need to translate your sequence commands, StepperConfigTool will do that automatically for you !

4.2 Configuration Index changes


Please consider that configuration command indexes, sent by RS232 (terminal), could partly be shifted. This fact is only important if you also send motor configuration parameters by yourself (not stored or sent over StepperConfigTool).

As a helping info, what StepperConfigTool is writing to motor PCB, you can open a File for verification.

Search for [..\Public\Documents\StepperConfigTool \(V.0.6\)\lastdownloaddata.txt](#)

4.3 Output Indexes

If you control the Digital outputs directly by Terminal Commands, you need to convert Output selection Index by +1, means Index 0->1 and 1->2.

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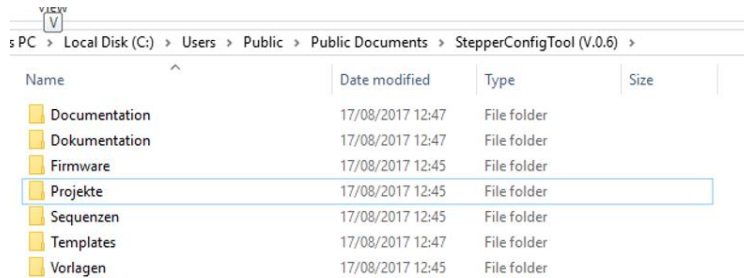
5 Known bugs

5.1 No motor data available at StepperConfigTool

Bug Description: (Scope: only @ windows systems where language is NOT(german))

Default motor data is installed in `C:\Users\Public\Documents\StepperConfigTool (V.0.6)\Vorlagen` (@windows language german), but when you are using another windows language, there is also another empty default path generated...

`C:\Users\Public\Documents\StepperConfigTool (V.0.6)\Templates`.



The English template path is coming without of data files!

Screenshot of data path structure (English version).

Bug fix: Copy data manually

Content from	Vorlagen	-> Templates
	Dokumentation	-> Documentation