



1 Get Software

StepperConfigTool: <http://update.adlos.com/StepperConfigTool/index.html>

FTDI Driver Setup: http://www.ftdichip.com/Drivers/CDM/CDM21226_Setup.zip
<http://www.ftdichip.com/Support/Documents/InstallGuides.htm>

2 Get extra Documentation / sample code / motor parameters

<http://kannmotion.adlos.com>

3 RUN-UP motor drive

If you have a standard KannMotion motor drive, there is a introduction sequence already stored on motors driver. The getting started sequence has following functionality:

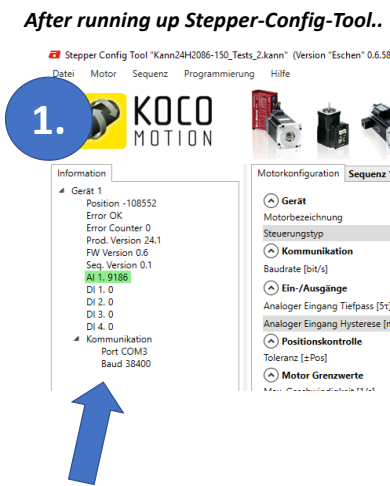
Digital Input		Description	Motor Speed	Digital Output	
1	2			1	2
0	0	Motor off / Outputs off	0	passive	passive
0	1	Motor on clockwise / Out2 =ON	100% CW	passive	active
1	0	Motor on counterclockwise / Out1 = ON	100% CCW	active	passive
1	1	HOLD, .. state before	-	-	-

So, if you just want to run motor, connect supply to appropriate voltage, an activate input 1 or 2. (See connection examples or diagrams on dedicated product datasheet)

3.1 Own motor driver setup, starting with Stepper Config Tool

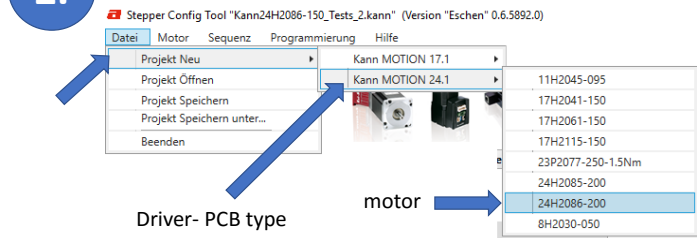
To save the getting started sequence, and motor drive parameters by yourself, open <Stepper Config Tool> and connect your motor device over an USB-RS232 Interface to your computer, and then power up your motor driver. (see connection examples at dedicated product datasheet)

After running up Stepper-Config-Tool..



If Connection is successful, you will see an information Tree like this... for refresh/retry press F5 key.

2. Generate a new Project, and Choose your motor type...



Driver- PCB type

motor

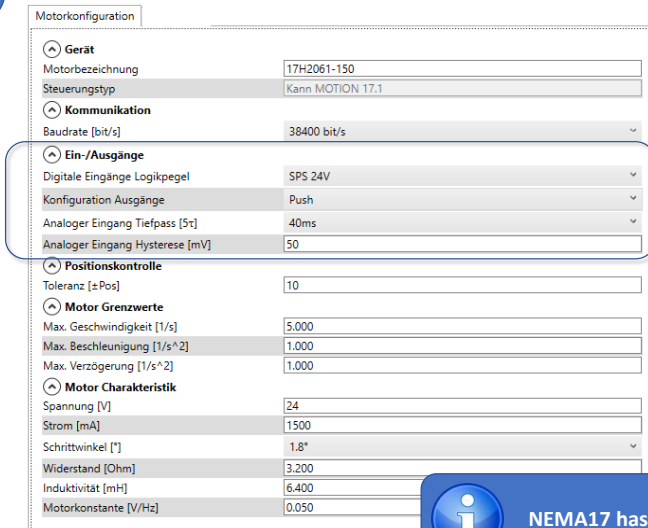
i If your motor is not listed here, check webpage for motor definitions or call ADLOS support

Motor drive parameters are now filled in...

Motor Charakteristik	
Spannung [V]	24
Strom [mA]	2000
Schrittwinkel [°]	1.8°
Widerstand [Ohm]	2.880
Induktivität [mH]	12.000
Motorkonstante [V/Hz]	0.156

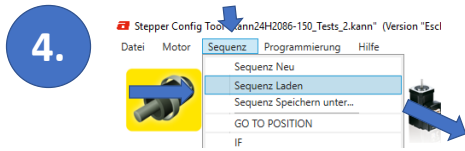
3.

Edit, motor driver settings as you need ... (NEMA17 has more config parameters than NEMA24 PCB)

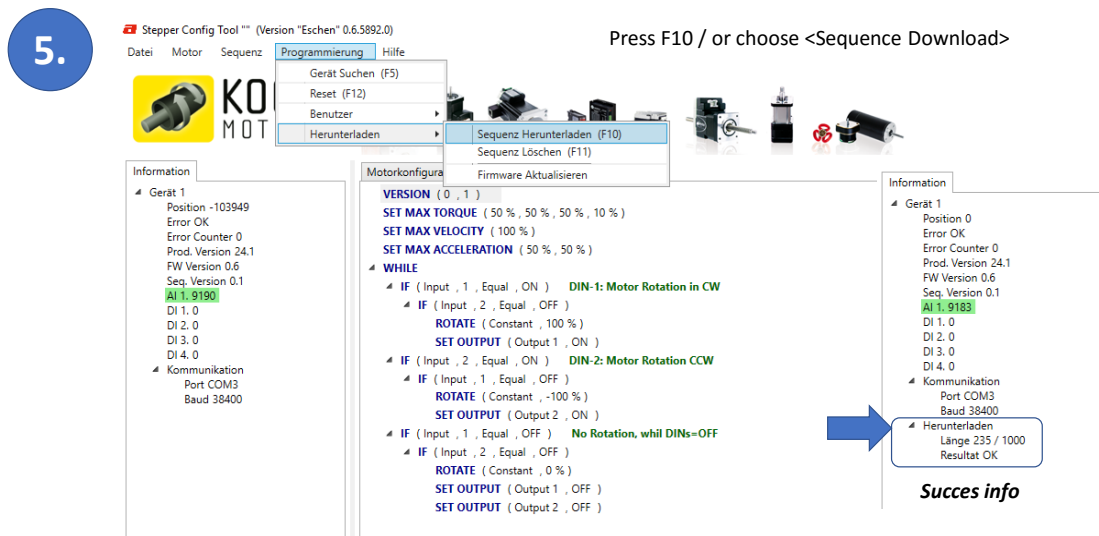
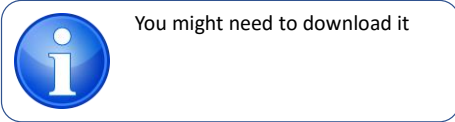
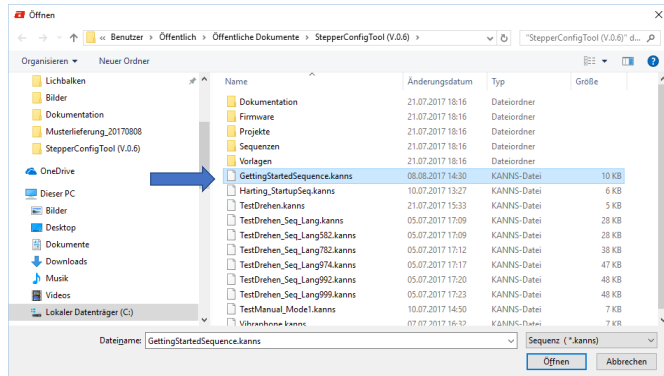


Choose filtering constants and Input-Output configuration if available

i NEMA17 has more config parameters than NEMA24 PCB



Choose <GettingStartedSequence.kanns>



6. Your drive is ready for a test run !

- > Set DIN-1 to Hi
- > Set DIN-2 to Hi...

3.2 motor control by serial commands

3.2.1 Tools we use

- Adlos StepperConfigTool <http://kannmotion.adlos.com>
- HTerm <http://www.der-hammer.info/terminal/>

3.2.2 Preparation w. StepperConfigTool

For start with terminal we recommend to use StepperConfigTool as Helping element.

- So, follow instructions in 3.1 (motor configuration)
- Under Point 4, you shall load **GettingStarted_UsingSerial.kanns**
- Download Konfiguration and Sequence as point 5.
- **Close StepperConfigTool**

Press F10 / or choose <Sequence Download>



You may read full json script generated from StepperConfigTool in:
 C:\Users\Public\Documents\StepperConfigTool (V.0.6)\lastdownloaddata.txt

3.2.3 Using HTerm

3.2.3.1 Getting system information

- 1) Set Com-Settings
- 2) Press Connect

- 3) Type in Info Command and Press <ENTER>

3.2.3.2 Control motor by Command <1..3>

Answer
 ..shall be ,ACK'

- 1) Type in User CMD [1..3] depending what you want and Press <ENTER>