

MAXPOS

Positioning Controller

Firmware Version «Readme»

Edition January 2015

It is essential that you read / understand / follow the below information!

VERSION DETAILS

Positioning Controller	Order Number	Firmware Version		Hardware Version	Application	
		Latest Edition	First Edition		Number	Version
MAXPOS 50/5	447293	0x0120	0x0100	0x3001	0x0000	0x0000

IMPORTANT INFORMATION

The functionality of a MAXPOS device is determined by its internal operating system (the so-called firmware). The firmware itself is subject to continuous development as part of an ongoing improvement process and is therefore being updated on a regular basis.

- For details on the installed firmware version refer to the sticker on the reverse side.
- New versions may feature additional or enhanced functionality as well as improved safety-relevant functions, which might not be fully compatible with former versions!
- You can update your device with the latest available versions of firmware and «MAXPOS Studio» (maxon motor's graphical user interface for MAXPOS Positioning Controllers). You may access the downloads at <http://maxpos.maxonmotor.com>.



Note: Before downloading a new version, you must check for its compatibility with the hardware version you are currently using! Consult maxon motor if you are in doubt.

- Earlier versions are available on request.
- Details on firmware modifications are listed in the document "Firmware Version «Readme»". You may access the document from the «MAXPOS Studio» or at <http://maxpos.maxonmotor.com>.
- The currently used versions of both firmware and hardware can be read out from the controller using the «MAXPOS Studio».
- To install a new firmware version, use the "Firmware Download Wizard" in «MAXPOS Studio».
- Be aware that you alone are responsible for using the appropriate firmware version in your present device. Consult maxon motor if you are in doubt.



Note: maxon motor ag or its representatives do not take responsibility nor obligation for any defect (such as, but not concluding; malfunction of the device and/or attached equipment, loss of production, etc.) caused by incompatibility of firmware versions and/or by mismatch of a particular firmware version with a given hardware version!

VERSION HISTORY

MAXPOS_0120h_xxxxh_0000h_0000h (Release 2015-02)		
Binary Files	MAXPOS 50/5	MAXPOS_0120h_3001h_0000h_0000h.bin
Features	BiSS-C Absolute Serial Encoder	Support of BiSS-C Absolute Serial Encoders
	Firmware update	Support of firmware update via EtherCAT with FoE protocol
	Touch Probe	Touch Probe functionality as to CiA 402 added
	Data Recorder	Support of Data Recorder functionality in MAXPOS Studio Software
	Holding Brake	Autonomous control of a Holding Break based on the device state added
Changes	USB interface	Performance and stability of USB communication improved
	EtherCAT	Conformance to the ETG specifications (CTT) enhanced
	Axis State Machine	State changing option code objects according to CiA 402 added
	Regulation Tuning	Tuning process for encoders with higher resolution improved
	Digital Hall Sensor	Digital Hall Sensor type with inverted polarity added
	Bugfix	Homing Mode: edge detection of inverted input corrected

MAXPOS_0110h_xxxxh_0000h_0000h (Release 2014-08)		
Binary Files	MAXPOS 50/5	MAXPOS_0110h_3001h_0000h_0000h.bin
Features	Analog Incremental Encoder	Support of Analog Incremental Encoders (sin/cos)
	CSV operation mode	Addition of «Cyclic Synchronous Velocity Mode»
	SSI Absolute Serial Encoder	Support of SSI Absolute Serial Encoders
Changes	EtherCAT	Conformance to the ETG specifications (CTT) enhanced
	Homing Mode	Homing methods using home switch added
	Regulation Tuning	Tuning process for DC motors improved
	Bugfix	Device state machine and operation mode switch corrected

MAXPOS_0100h_xxxxh_0000h_0000h (Release 2014-05)		
Binary Files	MAXPOS 50/5	MAXPOS_0100h_3001h_0000h_0000h.bin
Features	Full range	Initial release