maxon

Servo Controllers

ESCON2

Firmware Version Readme

Edition 2025-06 DocID rel13030

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

Version Details

Servo Controllers	Part Number	Firmware Version		Hardware Version	Application	
		Latest Edition	First Edition		Number	Version
ESCON2 Module 60/30 ESCON2 Compact 60/30	783722 783734	0x0111	*0x0100*	0x1101	0x1000	0x0000
ESCON2 Micro 60/5	809631	0x0111	*0x0100*	0x1102	0x1000	0x0000
ESCON2 Nano 24/2	809635	0x0111	*0x0100*	0x1103	0x1000	0x0000
ESCON2 Module 60/12 ESCON2 Compact 60/12	854796 854801	0x0111	*0x0111*	0x1104	0x1000	0x0000
ESCON2 60/12	854806	0x0111	*0x0111*	0x1105	0x1000	0x0000

Important Information

The functionality of an ESCON2 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.

- ESCON2 devices are shipped with the latest firmware version available.

- 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 version of firmware and «Motion Studio» (maxon's graphical user interface for ESCON2 servo controllers). You may access the downloads at http://escon.maxongroup.com.

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

- Earlier versions are available on request.

- The currently used versions of both firmware and hardware can be read out from the controller using the «Motion Studio».

- To install a new firmware version, use the «Download Firmware» function in «Motion Studio».

- Be aware that you alone are responsible for using the appropriate firmware version in your present device. Consult maxon if you are in doubt.

Version History

ESCON2_Sw0111_Hwxxxx_An1000_Av0000 (Release 2025-06)		
Binary Files	ESCON2 Module 60/30 ESCON2 Compact 60/30	ESCON2_Sw0111_Hw1101_An1000_Av0000.bin
	ESCON2 Micro 60/5	ESCON2_Sw0111_Hw1102_An1000_Av0000.bin
	ESCON2 Nano 24/2	ESCON2_Sw0111_Hw1103_An1000_Av0000.bin
	ESCON2 Module 60/12 ESCON2 Compact 60/12	ESCON2_Sw0111_Hw1104_An1000_Av0000.bin
	ESCON2 60/12	ESCON2_Sw0111_Hw1105_An1000_Av0000.bin
Features	Introduction	Introduction of new Hardware ESCON2 Module 60/12, ESCON2 Compact 60/12 and ESCON2 60/12.
	Firmware update CANopen	Improved recovery for failed updates
Changes	Bugfix	General minor bug fixing and improvements

ESCON2_Sw0110_Hwxxxx_An1000_Av0000 (Release 2024-12)		
Binary Files	ESCON2 Module 60/30 ESCON2 Compact 60/30	ESCON2_Sw0110_Hw1101_An1000_Av0000.bin
	ESCON2 Micro 60/5	ESCON2_Sw0110_Hw1102_An1000_Av0000.bin
	ESCON2 Nano 24/2	ESCON2_Sw0110_Hw1103_An1000_Av0000.bin
Features	CAN Interface	CANopen communication added according to CiA 301, CiA 302, CiA 305, CiA 402, CiA 801
	Serial Communication Interface	Serial Communication Interface (SCI) added
	Modes of operation	Profile Velocity Mode (PVM), Cyclic Synchronous Velocity (CSV) mode, Cyclic Synchronous Torque (CST) mode according to CiA 402
Changes	Velocity control	Improved velocity control performance for Hall sensor-based systems
	Data recorder	Improved data recorder capabilities
	Bugfix	Possible stuck in fault reaction resolved
	Bugfix	General minor bug fixing and improvements

ESCON2_Sw0100_Hwxxxx_An1000_Av0000 (Release 2024-03)		
Binary Files	ESCON2 Module 60/30 ESCON2 Compact 60/30	ESCON2_Sw0100_Hw1101_An1000_Av0000.bin
	ESCON2 Micro 60/5	ESCON2_Sw0100_Hw1102_An1000_Av0000.bin
	ESCON2 Nano 24/2	ESCON2_Sw0100_Hw1103_An1000_Av0000.bin
Features	Initial release	Basic ESCON2 features with I/O modes