

Software for application engineers and users

Convenient Commissioning and Service Tool driveSTUDIO

The compact GreenTech EC drives from ebm-papst with integrated K4 control electronics have already proven their flexibility in a range of applications. With driveSTUDIO software, adjusting them to meet individual requirements from the applications is now easier – and intuitive.

The drives are used in medical and textile technology, logistics and packaging technology, and other fields within industrial automation. The new parameterizing software, driveSTUDIO, enables both experienced application engineers and users with little knowledge of programming to use them quickly. Three different levels for parameterization are provided.

Different user levels

On the simplest level, Demo, only a few clicks on the clearly arranged user interface are required to start the drive in either speed, torque or positioning mode and see a display of the current values. On the Parameterization level, users can change the drive's default settings in a logical sequence by following the menu prompts. Function diagrams provide user support for all required input: control loops, reference drive or the setting for the acceleration and braking ramp, for example. And users with experience in the C programming language also benefit from the new software. On the Scripting level, for example, they can freely program test runs for all drive sequences they require.

Service area for firmware updates

The software also offers a service area for restoring factory settings, firmware updates, loading drive profiles, and reading out operating data and fault memories, for example. A standard USB adapter is used for the motor connection.

System requirements

The new commissioning and service tool runs on all Windows computers. It will be available to download for free in German and English starting at the end of November 2018 at www.ebmpapst.com/drivestudio.

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Fig. 1: With driveSTUDIO software, adjusting drives to meet individual requirements from the applications is now easier – and intuitive. Three different operating levels ensure that experienced application engineers and users with little knowledge of programming quickly get results.

Fig. 1 ebm-papst
Characters approx. 2,000, including headings and sub-headings
Tags EC drives, control electronics, parameterization,
software, commissioning, C, scripting level
Link <https://www.ebmpapst.com/drivestudio>

About ebm-papst

The ebm-papst Group is the world's leading manufacturer of fans and motors. Since it was founded, the technology company has continuously set global industry standards: from the digital interconnection of electronically controlled EC fans to aerodynamic improvements for fan blades to the use of eco-friendly materials.

In fiscal year 2017/18, the company achieved sales of over € 2 billion. ebm-papst employs over 15,000 people at 27 production sites (e.g. in Germany, China and the US) and in 48 sales offices worldwide. Fans and motors from the world market leader are used in many industries, including ventilation, air conditioning and refrigeration, household appliances, heating, automotive and drive engineering.

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