

SOFTWARE TOOL

Configures servo drives

Advanced Motion Controls announced the release of the Driveware 7.4.2 software for commissioning, troubleshooting, and integrating the company's Digiflex Performance servo drives. CANopen (CiA 402) is supported.



The latest software version maintains the interface, loop control, multi-channel oscilloscope, and motion engine of previous versions (Photo: Advanced Motion Control)

This latest edition of the free software now includes stepper motor configuration, allowing users to configure drives to run stepper motors in addition to the servo motors that were previously supported. Two-phase stepper control is new to Driveware, and three-phase stepper control now has direct support. A streamlined commutation algorithm makes initial configuration for steppers approximately 75 % faster, said the company.

The CANopen version of the configuration tool supports the manufacturer-specific RPDO 27 and RPDO 28. They are used by DPCANIA and DPCANTA drives, which implements CiA 301 (application layer) and CiA 402 (drive profile). These RPDOs can be used to avoid sudden surges during motor startup, ensuring softer acceleration.

The tool is designed to be backwards compatible with legacy drives and project files. Legacy project files are updated automatically when opening them with the freeware. Servo drives with legacy versions of firmware are able to run stepper motors after they receive a firmware update upon connecting to Driveware 7.4.2. This means any existing Digiflex Performance drive can now run stepper motors.

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