



PowerFlex 700L Active Converter Firmware v2.006

This release note describes major revision 2, minor revision 6 of firmware for PowerFlex 700L Active Converters.

Introduction

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Determining Firmware Revision Level

To determine the firmware version for a PowerFlex 700L Active Converter, view parameter 204 - [Control SW Ver]. The firmware version is the data in this parameter.

Example:

Firmware Version 2.005
Firmware revision from parameter 204 - [Control SW Ver] —

Firmware Upgrades

This section describes procedures to flash upgrade your firmware using HyperTerminal. Downloads are provided on the Allen-Bradley Web Updates site located at <http://www.ab.com/support/abdrives/webupdate>.



ATTENTION: Risk of drive damage exists if power to the active converter is removed during the Boot Flash segment of the upgrade/download. To guard against damage, Do Not Remove Power to the converter until the download is complete and the converter has been reset.

Important: Once a flash update has been started, do not remove power until the download is complete and the active converter has been reset. If power is removed during Boot Flash, the converter may be permanently damaged. A converter that has been damaged in this way cannot be repaired. If power is removed during Application Flash, the converter will remain in Boot and can be reflashed.

1. Remove/disconnect any HIMs before proceeding.
2. Download the flash update file from the Allen-Bradley Web Updates site.
3. Connect to the PowerFlex 700L drive using a 1203-USB or 1203-SSS Series B serial converter and HyperTerminal.
4. Select Flash Upgrade.
5. Select Port 6 to update the PowerFlex 700L active converter.
6. Select Y to proceed.
7. Select the appropriate .bin file for the active converter firmware. Select X-modem for the Protocol.
8. Select send. HyperTerminal should show progress of the flash upgrade and indicate when the flash is complete.

Enhancements

There are no enhancements in this revision of firmware.

Corrected Anomalies

This section describes the anomaly corrected in this revision of firmware:

On some LPM20 drives, the firmware was unable to access the power board EEPROM at powerup, resulting in an EEPROM checksum fault (active converter fault 35, "Elapsed CheckSum").

Known Anomalies

There are no known anomalies.

Restrictions

No restrictions apply to this revision of firmware.

Rockwell Automation Support

Rockwell Automation provides technical information on the web to assist you in using our products. At <http://support.rockwellautomation.com>, you can find technical manuals, a knowledge base of Frequently Asked Questions (FAQs), technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools.

Rockwell Automation also provides complimentary phone support for drives, communication adapters, and peripherals. If you experience a problem with the adapter, please review the information in its User Manual. For further help in getting your adapter operational, contact a Customer Support representative:

United States	(1) 262.512.8176 Monday – Friday, 7am – 6pm CST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

For an additional level of technical phone support for installation, configuration and troubleshooting, we offer TechConnect Support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit <http://support.rockwellautomation.com>.

Product Satisfaction Return

Rockwell Automation tests all products to ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning and needs to be returned:

United States	Contact your distributor. You must provide a Customer Support case number (see phone number above to obtain one) to your distributor to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for return procedure.

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