

PowerFlex 525 Drive Firmware Version 4.001

Catalog Number 25B

These release notes correspond to major version 4, minor version 1 of firmware for the PowerFlex 525 drive.

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Determine the Firmware Version Level

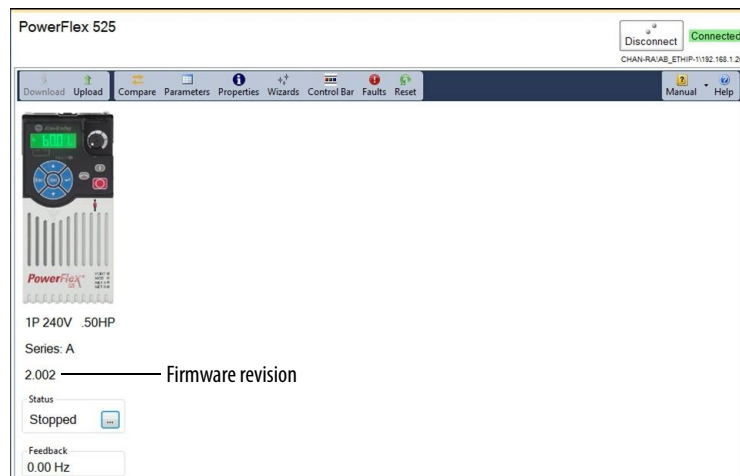
To determine the current firmware version of your PowerFlex 525 drive, use one of the following methods:

- [Using Connected Components Workbench Software on page 1](#)
- [Using Logix Designer Software on page 2](#)
- [Using the Drive LCD Display and Keypad on page 3](#)


Using Connected Components Workbench Software

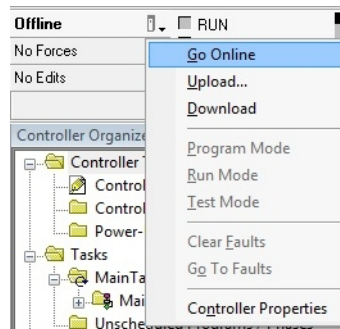
1. Launch the Connected Components Workbench software.
2. Open the project for your PowerFlex 525 drive.
3. On the main screen, click the Connect button  to go online.

- The firmware revision is displayed on the screen as shown below.

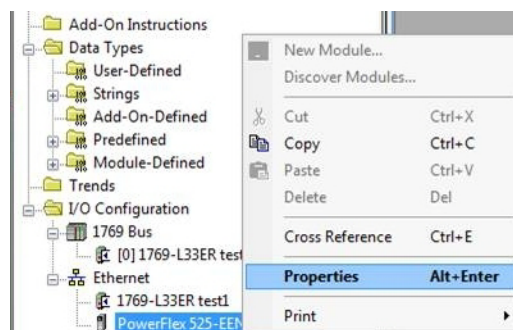


Using Logix Designer Software

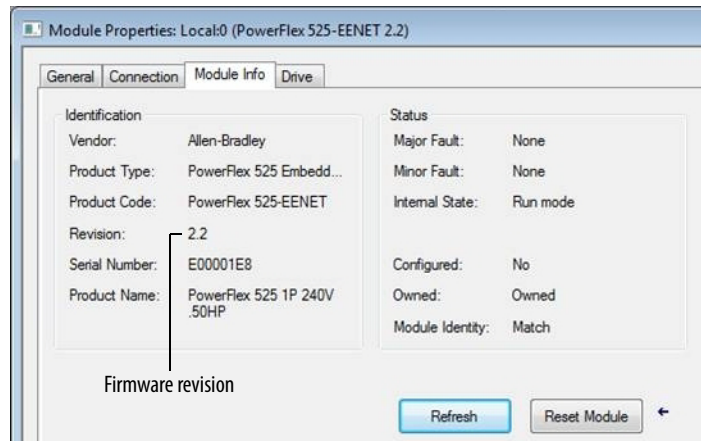
- Launch the Logix Designer software.
- Open the project for your PowerFlex 525 drive.
- On the main screen, click the Menu icon  and select **Go Online**.



- Right-click on the PowerFlex 525 drive and select **Properties**.



5. In the Module Properties window, select the Module Info tab to display the firmware revision.



Using the Drive LCD Display and Keypad

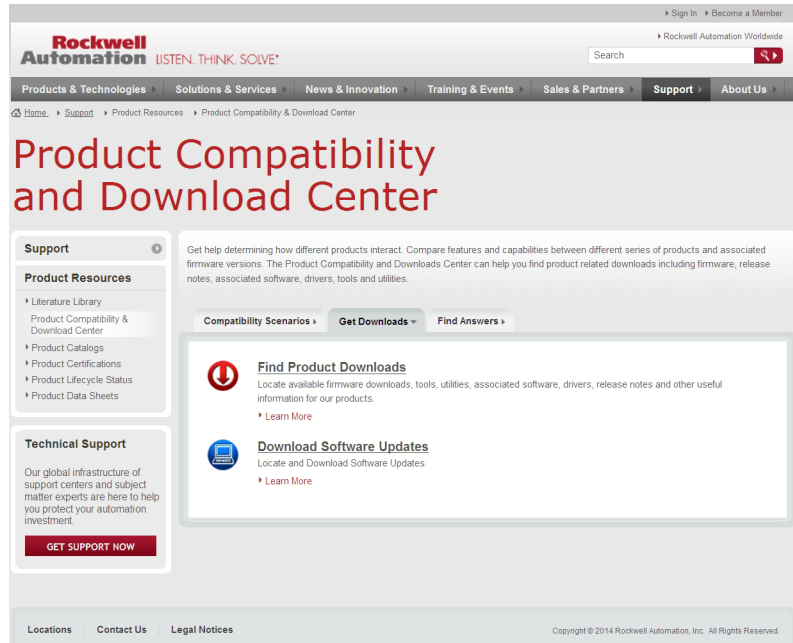
Step	Key(s)	Example Display
1. When power is applied, the last user-selected Basic Display Group parameter number is briefly displayed with flashing characters. The display then defaults to that parameter's current value. (Example shows the value of b001 [Output Freq] with the drive stopped.)		FWD 0.00 HERTZ
2. Press Esc to display the Basic Display Group parameter number shown on power-up. The parameter number will flash.	Esc	FWD b001
3. Press the Up Arrow or Down Arrow to scroll to parameter b029 [Control SW Ver].	Up Arrow or Down Arrow	FWD b029
4. Press Enter to display the drive's firmware revision.	Enter	FWD 2.003

Download Firmware

Follow these steps to download firmware for your PowerFlex 525 drive.

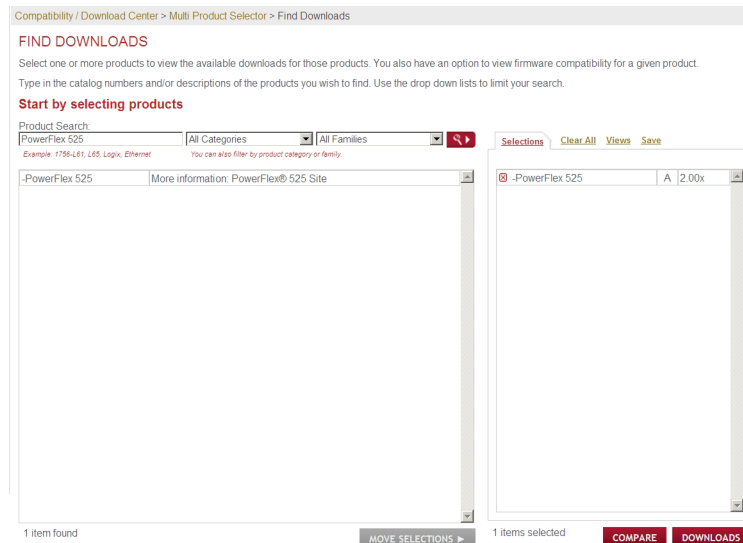
1. Go to the Rockwell Automation Product Compatibility and Download Center at

<http://www.rockwellautomation.com/rockwellautomation/support/pcdc.page>



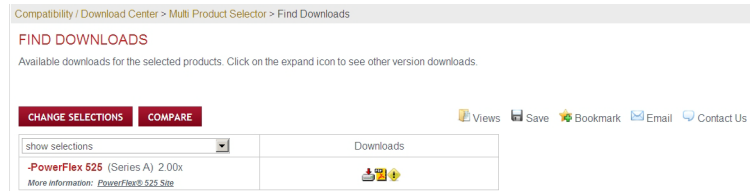
IMPORTANT You must sign in to the Rockwell Automation website before downloading a firmware revision.


2. Select the Get Downloads tab, then click the Find Product Downloads link.



3. Enter “PowerFlex 525” into the Product Search field.
The results appears in the box below.

4. Select the entry and the firmware revision, then click **Downloads**.



5. Click the Show Downloads  icon, then click the firmware revision link to download it to your computer.

Firmware Upgrades

To upgrade the firmware of your PowerFlex 525 drive, use one of the following methods:

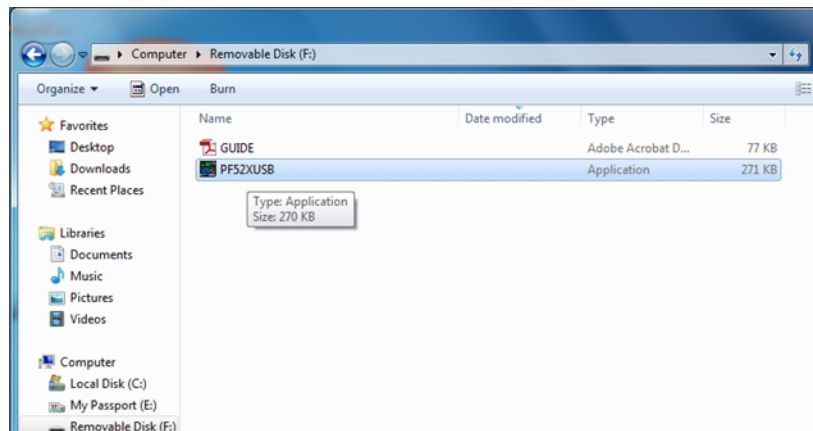
- [Using the USB Utility Application on page 5](#)
- [Using the ControlFLASH Application on page 7](#)

Using the USB Utility Application

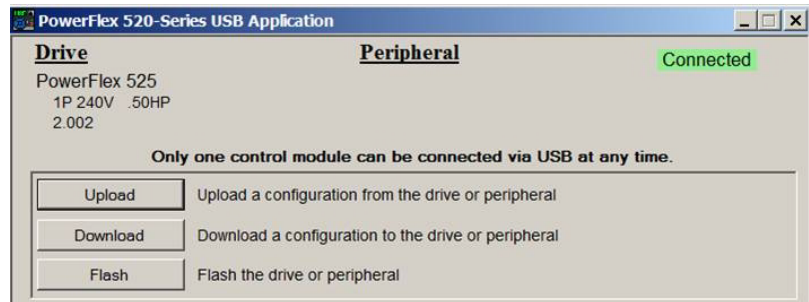
1. Separate the Control Module from the Power Module.

TIP For more information on how to separate the Control Module from the Power Module, see the PowerFlex 520-Series Adjustable Frequency AC Drive User Manual, publication [520-UM001](#).

2. Connect one end of a USB cable to the USB port on the back of the Control Module, then connect the other end to the PC.
A Windows Explorer window appears.



3. Launch the PF52XUSB utility application.
The PowerFlex 520-Series USB Application window appears.



4. Click **Flash** and select the firmware that you wish to update the module with, then click Yes.
The Confirm Flash Update dialog box appears. It displays the current firmware revision and the new revision to be flashed.



5. Click **Flash** to proceed.
6. When the process is complete, click **OK**.
7. Close the application and disconnect the Control Module from the PC.
8. Connect the Control Module to the Power Module and power cycle the drive.
9. During the boot-up sequence, the following commands are displayed on the drive's LCD display.
BOOT > COPY1 > COPY2 > ERASE > BOOT
10. When fault F105 "C Connect Err" occurs, clear the fault to complete the flash update.
11. The LCD display shows the drive data and current firmware revision.
Alternatively, you can verify the firmware revision by checking parameter b029 [Control SW Ver].

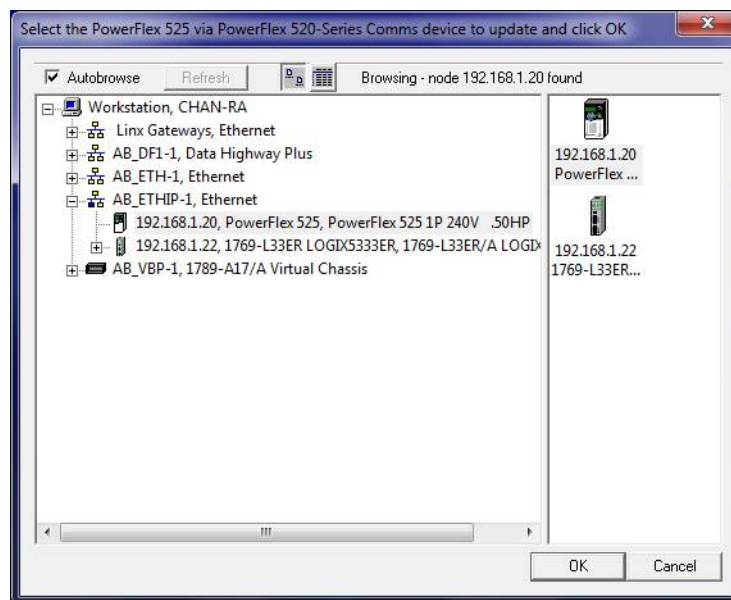
TIP If the firmware revision did not update properly, you may need to reset the drive to default and cycle drive power.

Using the ControlFLASH Application

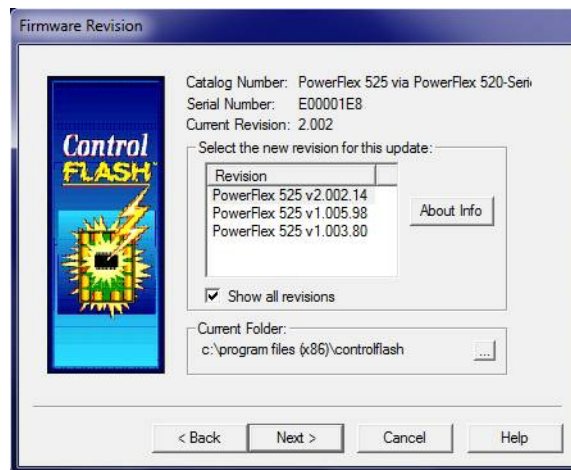
1. Install the flash kit utility for the PowerFlex 525 drive. You can download the flash kit utility from the Allen-Bradley Web Updates site at <http://www.ab.com/support/abdrives/webupdate/>
2. Launch the ControlFLASH application.
3. On the ControlFLASH Welcome screen, click **Next**. The Catalog Number dialog box appears.



4. Select the communication device you will use to update the firmware revision and click **Next**.
For this example, select “PowerFlex 525 via PowerFlex 520-Series Comms”.
5. In the Select Device to Update dialog box, expand the hardware view by clicking the “+” symbol next to the communication path you are using.
For this example, click the “+” next to “AB_ETHIP-1, Ethernet”.



6. Select the entry of the PowerFlex 525 drive you are updating and click **OK**. The Firmware Revision dialog box appears.



7. Select the firmware revision you want to flash and click **Next**.
8. Follow the remaining prompts to complete the flash update. When the process is complete, the new firmware revision is displayed in the dialog box

Enhancements

There are no enhancements in this firmware revision.

Corrected Anomalies

This section describes the anomalies corrected in this firmware revision.

ADC Does Not Work in Studio 5000 or Connected Components Workbench (LGX00157987)

When using ADC (Automatic Device Configuration) in Studio 5000 or Connected Components Workbench, the function does not work. Additionally in Connected Components Workbench, a custom group created with firmware revisions 1.xxx or 2.xxx cannot be downloaded to a drive with firmware revision 3.001.

This anomaly exists in firmware revision 3.001. The removal of the reserve AppView Parameter Group G9 caused an incompatibility with firmware revisions 1.xxx and 2.xxx.

Firmware revision 4.001 corrects this anomaly. The reserve AppView Parameter Group G9 is restored. Firmware revision 3.001 is not compatible with firmware revision 4.001 and later.

Known Anomalies

There are no known anomalies present in this firmware revision.

Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products. At <http://www.rockwellautomation.com/support/>, you can find technical manuals, a knowledge base of 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.

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://www.rockwellautomation.com/support/>.

Installation Assistance

If you experience a problem within the first 24 hours of installation, review the information that is contained in this manual. You can contact Customer Support for initial help in getting your product up and running.

United States or Canada	1.440.646.3434
Outside United States or Canada	Use the Worldwide Locator at http://www.rockwellautomation.com/support/americas/phone_en.html , or contact your local Rockwell Automation representative.

New Product Satisfaction Return

Rockwell Automation tests all of its 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, follow these procedures.

United States	Contact your distributor. You must provide a Customer Support case number (call the 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 the return procedure.

Documentation Feedback

Your comments will help us serve your documentation needs better. If you have any suggestions on how to improve this document, complete this form, publication [RA-DU002](#), available at <http://www.rockwellautomation.com/literature/>.

U.S. Allen-Bradley Drives Technical Support - Tel: (1) 262.512.8176, Fax: (1) 262.512.2222, Email: support@drives.ra.rockwell.com, Online: www.ab.com/support/abdrives

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