MANUFACTURER DOCUMENT PACKAGE

# Manufacturer's Manual

Amikon cover with selected official Allen-Bradley pages

POWERFLEX 7-CLASS

## 20-HIM-A3

POWERFLEX 7-CLASS HUMAN INTERFACE MODULE

OFFICIAL SOURCES

Allen-Bradley official documentation for 20-HIM-A3. Selected pages retain their original content, color and aspect ratio.

# PowerFlex 7-Class HIM Series B (20-HIM-A3 / -A5 / -C3S / -C5S) Firmware v5.004

This release note describes major revision 5, minor revision 4 of firmware for PowerFlex 7-Class Series B Human Interface Modules.

## Introduction

The following information is included in this document:


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## Enhancements

This section describes the enhancement provided in this revision of firmware.

- Allows you to configure the drive to switch smoothly from a communicated speed reference to a local speed reference produced by the HIM. When the drive is commanded to switch from the automatic (communicated) speed reference to the manual reference via a digital input, it preloads the last value from the communicated reference into the HIM. Then you can modify the manual reference on the HIM. This avoids a step change in speed that would otherwise occur from the switchover.

  This HIM enhancement is only supported by these two PowerFlex 7-Class drives:

  – PowerFlex 700 (firmware v7.001 or higher)
  – PowerFlex 700H (firmware v5.001 or higher)

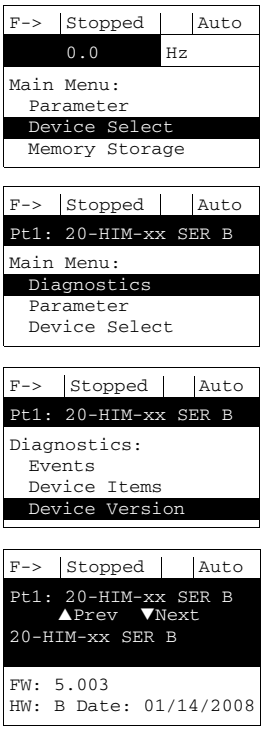
## Corrected Anomalies

There are no anomalies corrected in this revision of firmware.

## Determining Firmware Revision

This section describes procedures to determine the firmware revision of your PowerFlex 7-Class HIM.

### Using the HIM (20-HIM-A3 / -A5 / -C3S / -C5S)

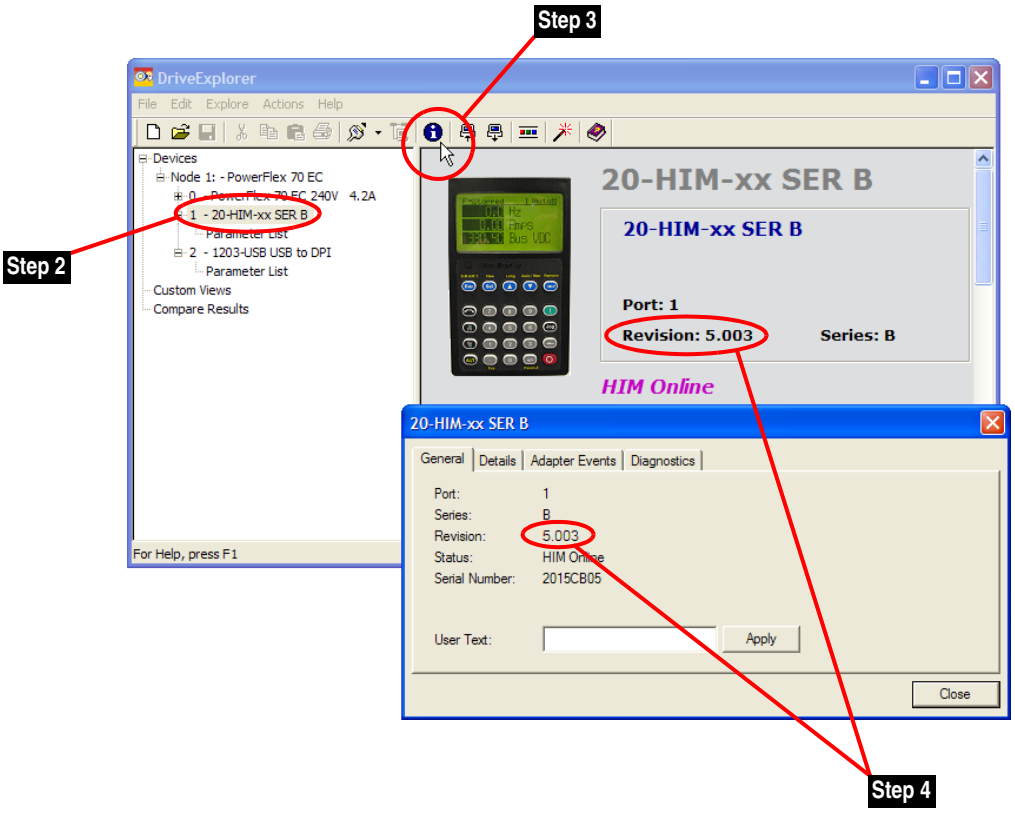
| Step | Example Screens |
|---|---|
| 1. In the Main Menu, press the ▲ or ▼ key to scroll to **Device Select**.<br>2. Press the ↵ (Enter) key to enter this selection.<br>3. Press the ▲ or ▼ key to scroll to **20-HIM-xx SER B**.<br>4. Press the ↵ (Enter) key to display the HIM Main Menu.<br>5. In the HIM Main Menu, press the ▲ or ▼ key to scroll to **Diagnostics**.<br>6. Press the ↵ (Enter) key to enter this selection.<br>7. Press the the ▲ or ▼ key to scroll to **Device Version**.<br>8. Press the ↵ (Enter) key to display the Product Data screen. |  |

## Using DriveExplorer Lite/Full

1. Launch DriveExplorer and go online (via 1203-USB or 1203-SSS converter) with the drive that is connected to the HIM. As an alternative when using DriveExplorer Full, you can go online with the drive on Ethernet through a connected 20-COMM-E communication adapter.
2. In the DriveExplorer treeview, click on the 20-HIM-xx SER B as shown in Figure 1.
3. Click the information icon to display the HIM's Properties screen.
4. The "Revision:" field shows the present revision (for example, 5.003) of the HIM firmware.

**TIP:** When clicking on the 20-HIM-xx SER B using version 5.01 or higher DriveExplorer Lite/Full, the HIM firmware revision is also shown in the right pane of the DriveExplorer window.

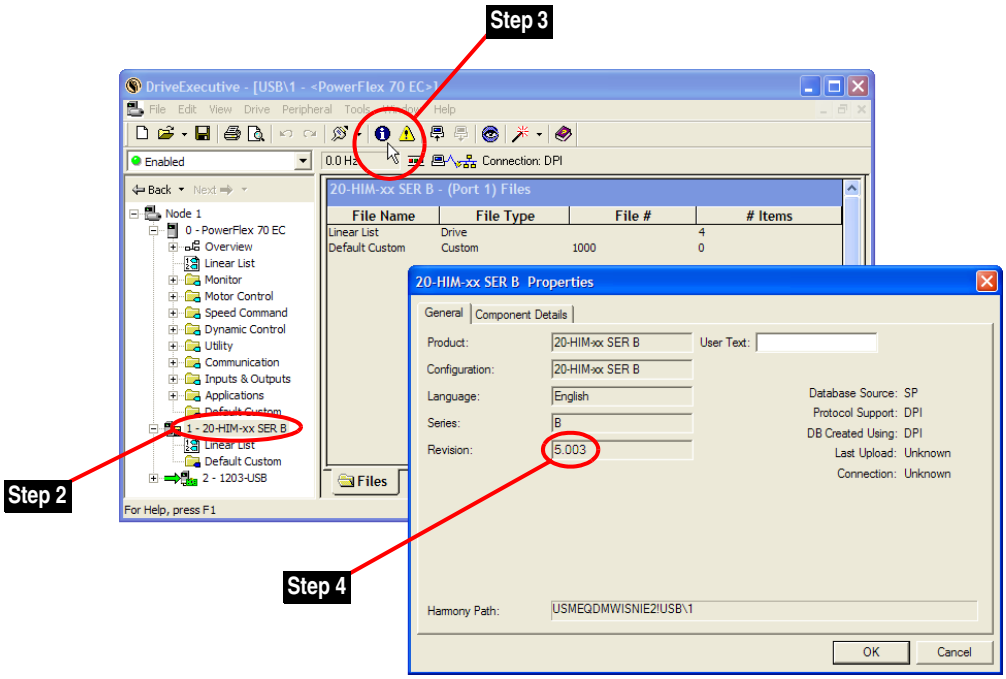
**Figure 1 Information Icon in DriveExplorer Window**



### Using DriveExecutive

1. Launch DriveExecutive and go online (via 1203-USB or 1203-SSS converter) with the drive that is connected to the HIM.
2. In the DriveExecutive treeview, click on the 20-HIM-xx SER B as shown in Figure 2.
3. Click the information icon to display the HIM's Properties screen.
4. The "Revision:" field shows the present revision (for example, 5.003) of the HIM firmware.

**Figure 2 Information Icon in DriveExecutive Window**




## Firmware Flashing

This section describes procedures to flash upgrade your HIM firmware. Flash kits for drives, communications adapters, and peripherals are provided on the Allen-Bradley Web Updates site located at http://www.ab.com/support/abdrives/webupdate. Flashing can only be performed using a 1203-USB or 1203-SSS converter. For information about how to connect to your drive, please refer to the 1203-USB or 1203-SSS User Manual. They can be viewed/downloaded on the Literature Library web site located at www.literature.rockwellautomation.com.

**ATTENTION:** Risk of permanent equipment damage exists. Once a flash update has been started, do not remove power from the drive until after the download has completed and the HIM has re-initialized with the connected drive. If power is removed before this occurs, the HIM may be permanently damaged. A HIM that has been damaged in this way cannot be repaired.