

5.2.10 Upgrading the firmware in the MDrive Microstepping

The IMS SPI Upgrader

New firmware releases are posted to the IMS web site at <http://www.imshome.com>.

The IMS SPI Motor Interface is required to upgrade your MDrive Microstepping product. To launch the Upgrader, click "Upgrade!" on the IMS SPI Motor Interface menu.

The Upgrader screen has 4 read-only text fields that will display the necessary info about your MDrive Microstepping.

Previous Version: this is the version of the firmware currently on your MDrive Microstepping.

Serial Number: the serial number of your unit.

Upgrade Version: will display the version number of the firmware being installed.

Messages: the messages text area will display step by step instructions through the upgrade process.

Upgrade Instructions

Below are listed the upgrade instructions as they will appear in the message box of the IMS SPI Upgrader. Note that some steps are not shown as they are accomplished internally, or are not relevant to the model IMS product you are updating. The only steps shown are those requiring user action.

Welcome Message: Welcome to the Motor Interface UPGRADER! Click NEXT to continue.

Step 2: Select Upgrade File

When this loads, an explorer dialog will open asking you to browse for the firmware upgrade file. This file will have the extension *.ims.

Step 3: Connect SPI Cable

Step 4: Power up or Cycle Power to the MDrive

Step 6: Press Upgrade Button

Progress bar will show upgrade progress in blue, Message box will read "Resetting Motor Interface"

Step 8: Press DONE, then select Port/Reconnect.