



## Release Notes for PLC IO Interface Module Base Flash v. 1.0.7

### Product Description

These release notes are for all PIO modules; IOD-5201 (GE Genius), IOD-5202 (AB 1771), and IOD-5203 (Modicon S908) PLC IO Interface Modules. This fix will address the ARCOM Pegasus Network Issues notification (APN73). Some of the Pegasus CPU processor boards will exhibit connectivity issues with Ethernet communications. This will present in the PIO modules as time-outs in communications during flashes with all units, and with communications for those that use the Ethernet port (IOD5201 Modbus TCP) for IO connection. This may occur with 100 Mps connections with long cable runs. Using short cable runs at 100 MPS or using 10 MPS connections should prevent these timeouts. This issue is related to the programming of the onboard MacPhyter DP83815 network chip. The upgrading of the PIO module will be overcome with the "Base\_1-0-7\_Files.img" upgrade.

### Determining if PIO needs flash

For this 1.0.7 release, determine if you need a flash upgrade. You must run the update utility to determine if the PIO requires this update. This should be run on a PC connected to the PIO unit via an Ethernet cable, either using a crossover cable or through a hub. If you are experiencing timeouts in the communications, either use a short crossover cable, or a 10 MPS hub or switch. Configure a PC Ethernet port to the address range of the PIO (default for the PIO is 10.16.6.1).

Run the UpdateUtility (version 1.1.10) and select the BaseFlash\_1-0-7\_Files.img file. If the network card (NIC) already selected is not the one attached to the PIO, select it. If the PIO is not shown in the Module list, select "**Find**" to find the attached PIO, then select "**System**" to open the configuration dialog. The "Base Ver" field (version) should be 1.0.7. The RIO Card, "Comm Ver", "RIO", and "FileVersion" do not matter for this upgrade. If the base version is not 1.0.7, you will need to flash the unit.

### Fixes

In order to receive the flash update utility files you will need for this fix, please send your site ID to MYNAH Technical Support at [support@mynah.com](mailto:support@mynah.com) for the following update files:

#### Update Files:

UpdateUtility.exe (version 1.1.10)  
UpdateUtility.gid  
UpdateUtility.hlp  
FlashUtility.dat  
BaseFlash\_1-0-7\_Files.img



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**Release Notes**  
**PLC IO Interface Module, Base Flash**  
**Version 1.0.6**  
**Product Numbers: IOD-5201, IOD-5202, IOD-5203**  
**Release Date: November 27, 2006**

## Flash Procedure

All flashing should be to PIO units offline with the controlled system in a safe state.

If not already connected above, connect a PC to the PIO unit using a crossover cable or through a hub. Next, extract the "Base\_1-0-7\_FlashImage.zip" and run "UpdateUtility", included with the flash image (this is version 1.0.10).

During the utility load, a dialog is displayed to allow image selection. If multiple images are included, select the desired flash image and click **Flash**. Once the Utility is opened, select the PIO to flash from the combo-box; if one is not present, check the NIC combo-box for the correct interface card.

To start the process, select **Upload, Start** if necessary, and then **Flash**. Do not interrupt the flash process until it has completed.

Finally, reboot the PIO. The reboot may be by removing the power to the PIO, or with the "Reboot" button in the System dialog of the update utility.

Please contact us for any questions about these release notes at:

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