



## Overview

This document details the procedure for upgrading the firmware in the IP-AB Ethernet AB Switch. The process uses File Transfer Protocol (FTP) to upload the firmware image.bin and boot sector rom.bin files to the IP-AB.

## Before You Begin

Download the desired image.bin and rom.bin files and place them in an easily accessible directory. All program files are named image.bin, so use the directory name provided, or individual directories with identifiable names. You will also need the IP address of the IP-AB to be upgraded.

## Procedure

- 1) Open an FTP client. Windows users can use Start...Run...FTP to open the FTP client. Other users consult your FTP client documentation.
- 2) Connect to the IP address of the ipIO-8. Using the windows client:  
**FTP> Open xxx.xxx.xxx.xxx <enter>**  
Where xxx.xxx.xxx.xxx is the ip address of the ipIO-8
- 3) At the username prompt enter root <enter>  
**FTP> root <enter>**
- 4) At the password prompt enter the administrator password <enter> \* See note  
**FTP> dataprobe<enter>**
- 5) Change the transfer type to Binary  
**FTP> binary <enter>**
- 6) Upload the file rom.bin with the put command  
**FTP> put c:\dataprobe\ipab\3.0a\rom.bin <enter>**  
Where c:\dataprobe\ipab\3.0a\ is the location of rom.bin
- 7) Upload the file image.bin with the put command  
**FTP> put c:\dataprobe\ipab\3.0a\image.bin <enter>**  
Where c:\dataprobe\ipab\3.0a\ is the location of image.bin
- 8) Quit the FTP Client to start the upgrade  
**FTP> quit<enter>**
- 9) After the firmware is uploaded, the IP-AB will automatically restart. **Wait** for a minimum of 3 minutes to ensure the new file has been written completely before cycling power.

**Do not lose power during the restart.**

REF: ipab\_upgrade

