HP Laser 432fdn Firmware Readme

- Product Name: HP Laser 432fdn
- Model Number: 7UQ76A

This document contains information for the firmware revision number:
Firmware Version: V4.00.01.58

[Table of Contents]

Description
-- Who needs this firmware?
-- Determining the current version level of your firmware

Enhancements and Fixes provided with this firmware revision
Enhancements and Fixes provided with the previous revision(s)

Installation Instructions
-- Additional Information to know
-- Using the Embedded Web Server
-- Using USB

System Requirements
Additional Information

Legal Statements
-- Trademark Notices
-- OPEN-SOURCE SOFTWARE LICENSE AGREEMENTS (In English)
-- License and Copyright

Description

This Readme file provides specific installation instructions and other information you should know before you perform a firmware update for your HP Laser Series printer or MFP. Installation instructions are provided for Single and Multiple Printer Updates.

This document provides specific update, installation and troubleshooting information. For additional information on the device features, refer to the online user guide.

Who needs this firmware?
Similar to HP Inc. providing improved software for your HP Laser Printer or MFP, HP Inc. provides firmware updates for your printer periodically through its supported lifecycle. A firmware update may be necessary if it is determined that you may benefit from the resolution of any issue that is documented below. These updates are available on the HP support web site.

Determining the current version level of your firmware
On the printed Configuration page look in the section marked "Software Versions" for the Firmware Version. Firmware Version will look something like this:

System Firmware Version: V4.00.01.58

Enhancements and Fixes provided with this Firmware Version

The following new functionality or features are provided by this firmware release:
Firmware Version: V4.00.01.58

ENHANCEMENT:

Base:

- Improved SNMPv3 compatibility with enterprise device management and monitoring solutions.
- Enhanced AirPrint scan settings management.
- Improved handling of printer supplies and regional settings support.
- Added support for additional countries and localization updates.
- Performance and stability optimizations.

Security/Authentication:

- Enhanced email authentication security with OAuth 2.0 support.
- Improved protection against unauthorized network and printing activities.
- Strengthened web server security and communication protocols.
- Enhanced certificate validation and security handling.
- Improved system resilience against malformed or malicious network requests.

FIXES:

Base:

- Fixed an issue where IPv6 addresses were continuously displayed on the Network Configuration Page.
- Fixed access issues to AirPrint pages over IPv6 networks.
- Fixed USB scan connectivity issues.
- Improved IPP over USB communication reliability.
- Fixed AirScan/AirPrint related firmware stability issues.
- Improved printer web page access from macOS and Apple devices.
- Fixed issues affecting concurrent print job processing.
- Improved URF document processing compatibility.
- Fixed printer web interface accessibility issues.
- Fixed fax transmission issues involving large or complex documents.
- Fixed media size handling and paper tray related issues.
- Fixed PDF printing configuration display issues.
- Resolved intermittent reboot, hang, and firmware stability issues.
- Improved interoperability with enterprise device management platforms.

Security/Authentication:

- Fixed AirPrint authentication issues related to device certificates.
- Fixed Direct Print vulnerabilities that could impact device availability.
- Resolved issues related to expired device certificates.
- Fixed security vulnerabilities identified through security assessments.
- Improved handling of malicious certificates and invalid network requests.

Enhancements and Fixes provided with the previous revision(s)

The following new functionality or features are provided by this firmware release:
Firmware Version: V4.00.01.49

ENHANCEMENT:

Base:

- No New Updates

Security/Authentication:

- Added support for the AES encryption algorithm.

FIXES:

Base:

- Resolved issue where the device becomes stuck on the "Initializing" screen after a firmware upgrade.
- Fixed paper mismatch error displayed in the UI when printing a test page.
- Addressed device lock-up occurring when SNMPv3 is configured without a username or password.
- Corrected missing "DHCPv6" address on the Network Configuration page.
- Fixed issue where no status is displayed in the spooler for events such as Out of Paper, Paper Jam, Cartridge Missing, and Output Bin Full.
- Resolved issue where 802.1x authentication is disabled after a firmware update.

Security/Authentication:

- No New Updates

Enhancements and Fixes provided with the previous revision(s)

The following new functionality or features are provided by this firmware release:
Firmware Version: V4.00.01.37

ENHANCEMENT:

Base:

- Compatible with HP Security Manager application.
- Device Access Control enhancement.
- Fax feature enhancement – blocking incoming fax.

Security/Authentication:

- No New Updates

FIXES:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Installation Instructions

Note: Please be aware that an update in some circumstances may require 5 minutes or more to complete and do not turn off the printer and your computer until the firmware update finishes.

You can send the firmware update to a device at any time; the device will wait for all I/O channels to become idle before cycling power.
Please print a configuration page prior to performing any firmware update.

On the printed Configuration page look in the section marked "Software Versions" for the Firmware Version. Firmware Version will look something like this:

System Firmware Version: V4.00.01.38

The elapsed time for an update depends on the I/O transfer time as well as the time that it takes for the printer to reinitialize. The I/O transfer time depend on the speed of the host computer sending the update and the I/O method (USB or network).
The re-initialization time will depend on the specific hardware configuration of the printer, such as the number of EIO devices installed, the presence of external paper handling devices, and the amount of memory installed. Finally, any print jobs ahead of the firmware job in the queue will be printed before the update is processed.

NOTE: When the update process has completed the LaserJet will need to be rebooted. Once the printer is back online, print a Configuration Page and verify that the new firmware has been installed

Additional information to know

The firmware file will be in the following file format “xxxxxxx.hd” where “xxx” indicates the firmware file name and the “.hd” is the files extension.
This file requires an interactive update method. You cannot update the printer using the traditional FTP, LPR or Port 9100 methods of upgrading. Please use one of the following methods listed below to update the firmware of this device

How to perform firmware upgrades

Embedded Web Server: (control panel is at a Ready screen)

After uncompressing the file you will see a xxxxxxx.hd file.

1. Print a configuration page to obtain your printer's IP address or host name.
2. Open an Internet Browser Window.
3. Enter the IP address in the URL line. The EWS opens.
4. If the Web browser displays a There is a problem with this website’s security certificate message when attempting to open the EWS, click Continue to this website (not recommended).
5. Downgrading Firmware you will be prompted to select the Rollback option.

   NOTE: Choosing **Continue to this website (not recommended)** will not harm the computer while navigating within the EWS for the HP printer.
6. Select **Sign In** in the upper-right corner of the EWS page.
7. Enter your Username and Password.

   NOTE: If you have not yet created a password for the EWS, enter the default credentials of admin for both the Username and the Password.
8. Select the **Maintenance** tab and then select the **Upgrade Wizard** button.

   NOTE: If you did not sign in to the EWS, this button will not be available.
9. Select **Browse** and browse to the location where you extracted the files.
10. Select the firmware file xxxxxxxx.hd and click **Open**.

11. Select **Next** and then wait for the wizard to verify the firmware.
12. When prompted, check the firmware version, select **Next**, and then wait for the firmware to upload to the printer.
13. Wait for the firmware programming process to complete and for the printer to restart.

    NOTE: If This process will take several minutes. Do not close the browser window or interrupt communication until the HP Embedded Web Server (EWS) displays the confirmation page.
14. Follow any remaining on-screen instructions to complete the installation.
15. Once the printer or MFP is back online, print a Configuration Page and verify that the new firmware has been installed.

USB: Update the firmware for a USB connected printer (Windows XP/Vista/7/8/8.1/10/11)

NOTE: In order to use this method, you must disconnect all other USB printers from the PC.

After uncompressing the file, you will see xxxxxxxx.hd file and usblist2.exe file.

1. Make sure the printer is connected to the computer via a USB cable.
2. Turn the machine on. Check if the printer is ready status.
3. To enter the Tech Mode, press Menu > # > 1 > 9 > 3 > 4 in sequence.
4. When the Tech Mode displays, press the OK button.
5. Select Service Func. > F/W Upgrade > On.
6. Drag the firmware file and drop it down on the usblist2.exe.



7. And then firmware update will be started automatically.
8. When upgrading is completed, the machine is automatically re-booting.
9. After the printer is ready status, verify the installed firmware version.

System Requirements

The Firmware upgrade process requires a network or USB port connection.

Additional Information

Refer to your printer's user guide for additional methods of obtaining software and support information, such as printer driver distribution centers other online services, fax services, and other online support.

Legal Statements

Trademark Notices

MS-DOS, Windows, Windows 2000, Excel 2000, Microsoft Office, Windows Server 2003, Outlook, PScript and Internet Explorer are registered trademarks of Microsoft Corporation in the United States and/or other countries.
PostScript is a registered trademark of Adobe Systems Incorporated.
Quark and QuarkXpress are trademarks of Quark Inc.
Mac, Macintosh and Safari are registered trademarks of Apple Computer, Inc.
The Adobe logo, Acrobat, the Adobe PDF logo, Distiller, and Reader are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.
Novell is a registered trademark of Novell, Inc., in the United States and other countries.
Netscape Navigator, is a registered trademark of Netscape Communications Corporation in the United States and other countries.

License and Copyright

© Copyright 2017 HP Inc., L.P.
The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein