

## **COLOR LASERJET ENTERPRISE M775 MFP PRINTER SERIES Firmware Readme**

**Product Name(s):** HP Color LaserJet M775dn • HP Color LaserJet M775f • HP Color LaserJet M775z • HP Color LaserJet M775z+ •

**Model Number(s):** CC522A • CC523A • CC524A • CF304A

This document contains information for the firmware revision number:

Firmware Datecode: 20171213

Firmware Revision: 2308937\_578505

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9

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## Description

This Readme file provides specific installation instructions and other information you should know before you perform a firmware update for your HP LaserJet 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 found on the Windows Printing System Installer CD-ROM that came with your printer or at [hp.com](http://hp.com).

### What is included in a Firmware bundle?

The HP LaserJet printer firmware update file available from the hp web site contains firmware for the printer, embedded JetDirect (if applicable), HP paper handling accessories used with the device in one convenient download file. When the Remote Firmware Upgrade file is sent to the HP LaserJet Printer or MFP firmware for the engine and all connected accessories are upgraded.

### Who needs this firmware?

Similar to Hewlett Packard providing improved software for your HP LaserJet Printer or MFP, Hewlett Packard 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

### To determine the current level of firmware installed on the device:

Go to the printer's or MFP's control panel.

1. Go to the printer's control panel.
2. Scroll down and select the **Administration** application.
3. Select the **Reports** menu.
4. Select the **Configuration/Status Pages** menu.
5. Select the **Configuration Page** option.
6. Select the **Print**.

On the printed Configuration page look in the section marked "Device Information" for the Firmware Datecode and Firmware Revision. The Firmware Datecode and Firmware Revision will look something like this:

Firmware Datecode: 20121009

Firmware Revision: 2201000\_231082

### IMPORTANT NOTE:

This firmware file requires an interactive update method. You CANNOT update these Product(s)/Model(s) 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.

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20171213

Firmware Revision: 2308937\_578505

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9

### **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

### **FIXES:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20171213

Firmware Revision: 2308937\_578505

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9

## **ENHANCEMENTS:**

Security/Authentication:

- Users now have the ability to disable printing from Help.
- Added two new features to improve the private and usability of retrieving stored jobs from the "Retrieve from Device Memory" application. Administrators can define what users first see when entering the "Retrieve from Device Memory" application. The default behavior has not changed, but administrators have a new setting in the embedded web server under "Security" [Tab] -> "Protect Stored Data" [Menu] -> "Managed Stored Jobs" [Section] called "Behavior when users are authenticated". If "Assist users to their jobs" is selected, users entering the application will immediately see their jobs provided a folder exists by their username (default behavior in the print driver when sending jobs) but can navigate back to the list of folders with jobs. Administrators will also note a new permission that is not activated by default in the embedded web server under "Security" [Tab] -> "Access Control" [Menu] -> "Sign In and Permission Policies" [Section] -> "Open from Device Memory application" [Control Panel Permission] for "Other Users' Jobs and Folders". If removing the permissions (e.g. for "Guest" and "Device User") a regular user will only be able to see their or guest jobs. If at the folder view they will only be able to see folders with at least one of their own jobs or a guest job within it except for the special folders like "Untitled" & "Stored

Faxes". These two features can be used together to optimize the privacy & usability when users retrieve their stored jobs.

- Allow for nested group behavior on the EWS: Security>Access Control>Windows Setup. Nested AD groups may be configured to inherit parent permissions.
- Allows for authentication at devices using AD credentials instead of local device credentials via Web Jet Admin.
- This firmware provides compatible HP and 3rd party solution software the ability to establish HTTPs communications through the Jetdirect networking interface. The protocol and encryption parameters for these solutions are now configured using the Jetdirect networking settings, allowing access to updated Jetdirect protocols and encryption. This option is available to HP and 3rd party solutions using the HttpWebRequest Class connection methods.
- This firmware addresses the following security issues: CVE-2005-4900– SHA-1 is not collision resistant, allowing for context-dependent spoofing attacks. Cipher suites containing the SHA-1 hashing algorithm can now be disabled by setting Encryption Strength to "High" within the "Mgmt. Protocols" page under the EWS Networking tab. These cipher suites will remain enabled/active if Encryption Strength is set to either "Medium" or "Low". Note: For devices with Encryption Strength set to "High", after installing this firmware the Encryption Strength setting will be changed to "Medium" to allow continued access to SHA-1 cipher suites.

#### Base:

- The Backup and Restore feature has been expanded to include JDI settings. Additionally, this feature has been expanded to allow creating a backup file and restoring that file to another device of the same model and firmware version as the backup file.
- When the "Email Domain Restriction" feature is configured with only one domain, the domain will autofill once the user selects the "@" symbol.
- Added support for "Any Size/Any Type" in cassette trays.
- This feature increases the number of allowed PIN users in the device's local address book; from 1000 to 2000.
- Optimized JPEG decompression library improves performance of print jobs with JPEG compressed images
- Enhancement to include the ability to keep the control panel lit during printing. Feature is only available to be turned on/off via XTP tickets.
- Support added for USB Keyboard HP part number QY776AA#ABA. Support added only for the keys also available on Flow model keyboards. All other keys are nonfunctional.
- Users now have the ability to cancel digital sending, copy, print and fax jobs via SNMP commands.
- Added the ability to specify a custom sign-in message at the control panel if all of its permissions have Guest locked. The default message in English is "Touch 'Sign in' to use the device." The ability to modify this message lets clients that have badge authentication solutions or other types of custom messaging they wish to be displayed to show.

- A new option has been added to delete the temporary jobs after 3 days.
- Error code "42.B0.01" will not be displayed in the event log for end customers.
- Added new feature to allow PCL 6 to suppress blank pages. Previously this feature was only available with PCL5, now this functionality is also available with PCL6.
- Changes in power management to meet new Blue Angel regulations.

#### Digital Sending:

- Devices will accept a new hidden macro called "%HOME\_FOLDER%" in the "UNC Folder Path" with the "Save to Shared Folders" of the "Save to Network Folder" setup. When specified, the device will attempt to locate that user's personal share folder using the default attribute for Active Directory named "home directory" if the user authenticated with Windows or LDAP authentication. Alternatively, when specified the device will attempt to locate the value for the constant Home Folder Path which certain pull print & authentication solutions like HP Access Control and others populate. This allows for a different way to specify personal folders so that the other advanced features like specifying a sub folder or optionally using a service account can be used. This can be especially helpful for pull print and authentication solutions like HP Access Control in cases where network administrators want to allow end users to tap a badge (which does not have their password) to deliver jobs to their home folders without additional prompts. This also helps clients with Windows and LDAP authentication too even if not using a service account where end users want jobs delivered to a predictable subfolder (e.g. "scans") and not just their root home folder.

#### Fax:

- Firmware support for fax accessory 700.

#### Embedded JetDirect:

- No New Updates.

### **FIXES:**

#### Security/Authentication:

- Resolved issue with Card Reader not responding intermittently with Card insert.
- Resolved issue where aftermarket authentication agents utilizing the OXPd protocol could inadvertently remove guest permissions to tabs (e.g. the Information tab) on the EWS page.
- "This firmware addresses the following security issue:
- CVE-2016-2183 – 3DES TLS/SSL Birthday Attacks on 64-bit Block Ciphers (SWEET32) Vulnerability."
- Re-added web services (removed in FS 3.8) to allow HP Jet Advantage Security Manager to manage the state of the Information tab in the embedded web server.

- Resolved redundant authentication prompts when accessing certain types of logs.
- Scan to network folder suddenly stops working for Windows 10 shares after receiving Microsoft update 1703 or later.
- This firmware addresses the following security issue: CVE-2017-2750 - Insecure Solution DLL Signature Validation.
- Added support for G&D FIPS-201 SIPR smartcards that are provisioned without encipherment certificates.
- When logging into the Embedded Web Server using Windows authentication, you may not be able to see all the tabs or options that you have been granted access to.
- This firmware addresses the following security issues: CVE-2017-13077: Reinstallation of the pairwise encryption key (PTK-TK) in the 4-way handshake. CVE-2017-13078: Reinstallation of the group key (GTK) in the 4-way handshake. CVE-2017-13079: Reinstallation of the integrity group key (IGTK) in the 4-way handshake. CVE-2017-13080: Reinstallation of the group key (GTK) in the group key handshake. CVE-2017-13081: Reinstallation of the integrity group key (IGTK) in the group key handshake.
- This firmware disables the "TFTP Configuration File" setting to prevent unauthorized device resets.

#### Base:

- You may see a 49.00.FF error while performing a Direct TIFF print job.
- Setting Legacy resolution to 300 x 300 would not be retained after a power cycle.
- Print job size of 400mb or more not getting stored on the device disk memory.
- Disk resident fonts are not persistent after a power cycle.
- Localization issue with physical keyboard is resolved.
- Paper type is displayed incorrectly on control panel when using Chinese.
- Wrong translation of control panel buttons in Czech.
- Certain PDFs were not printed correctly, text on PDF was getting printed as blocks.
- Improved Barcode scanning.
- Improvement in print performance of certain PDF files.
- Scanned output PDF documents fail PDF/1-b compliance with certain PDF test tools.
- You may see an Access Denied warning when trying to access the EWS even prior to entering in a Password.
- Under certain circumstances an SNMP GET request might receive a slow response which exceeds all client retries and timeouts. Sometimes the printer would never respond. This fix ensures that these circumstances do not prevent timely SNMP responses.
- Fixed an issue where Date and Time settings in EWS would not save when device was set to a non-English language.
- Intermixing of pages is seen when printing copy jobs.
- Save To Network Folder application always prompts for password after successful third party Kerberos authentication.

- A 48.A1.01 error could be displayed if a Job Accounting solution was registered as a 'critical client'. This error is normal in the case of lost communication to the solution server but was occurring inadvertently due to a corrupt job being tracked by the device.
- Embedded EPrint setting intermittently shows state as "Not Supported" instead of "Enabled/Disabled" via WJA.
- Using the Pages per Sheet N-Up printing feature provided with any version of the UPD PCL6 driver will give incorrect printed output.
- You may see improvements printing certain fonts.
- After upgrading to Future Smart 3.8 firmware and performing a cold reset on the MFP, 'Remote Scan Request' button no longer shows up on the Control Panel.
- 49.38.07 error is seen when printing certain jobs with "reverse page order" setting enabled on a device without finisher.
- PS Error seen when printing certain documents greater than 40 pages.
- Added a Web Service object for the "Security" -> "Web Scan Auto Capture Jobs: Enable Remote User Auto Capture" feature which will allow Web Jet Admin to fleet manage this setting with XTP Tickets where reservation less scanning for Network TWAIN is required.
- Event "31.03.34" will not be displayed in the event log.
- 49.4A.04 is seen when printing certain PDF files containing excessive numbers of XObjects on one or more pages
- Error 49.4A.04 is seen when reprinting certain jobs from Corel Draw.
- The PCL commands to call barcode fonts does not work when using asterisks
- 49.38.07 error is seen when printing certain PDF jobs in duplex.
- Removed possibility of a device hang that could occur during an HTTPS encrypted scan to an aftermarket solution server destination.
- Color mismatch while printing certain PDF documents and selecting the CMYK profile in driver.
- Device stops responding to SNMP requests when we go to Device tab in WJA.
- Address book search in Japanese for katakana-hiragana prolonged sound mark (-) does not work well.
- USB volume name is not getting displayed correctly in Korean and other 2 byte languages.
- Missing graphics on pages when printing certain PCL5 jobs.
- Improvements in small job print performance.
- Improves a Print Quality issue wherein streaks and lines are seen due to excessive calibrations.

#### Digital Sending:

- Intermittent send to folder failures due to dfs server referrals.
- In the previous firmware release, a feature was added to let administrators use the Shared Folders (instead of the Personal Folders optionally) to allow end users to access their home folder this way. While configuring the feature in the Embedded Web Server worked as expected, an issue was discovered where configuring the same feature via Web Services (including future releases of Web Jet admin) were



not resolving correctly for users at the control panel when they tried to use the feature. This is now fixed.

#### Fax:

- When the user badges in with card authentication while an incoming fax is being received, inactivity timeout doesn't take effect thus not logging out the user.
- Thumbnail resolution of the failed fax report has been improved.

#### Embedded JetDirect:

- Fixed "IP Address/Subnet is out of range. Check the field. IP=x.x.x.x Mask=x.x.x.x" error given when an IP address was entered with zero for the host number in the Access Control List.
- Buffers expanded to hold large DNS responses (70+ records). Previously only about 7 or 8 records were accepted.
- Trying to connect via the FTP may fail with certain applications.
- Fixed an issue where Windows Authentication would hang the printer.
- Product was generating Certificate Signing Requests with version number other than zero. RFC 2986 requires a version number of zero.
- Product was generating Certificate Signing Requests with version number other than zero. RFC 2986 requires a version number of zero.
- Printer crashes with 81.09.00 Embedded Jetdirect Error message when user sets Admin password from Telnet.
- Under certain circumstances during initial power-on, the DHCP Discover message is sent without a hostname (option 81). This fix ensures that option 81 is always present when applicable.
- The password input for "Import Certificate and Private Key" has been expanded beyond 16 characters.
- Default name when saving a CSR (Certificate Signing Request) is no longer "certificate.cer".
- Under certain circumstances the certificate validity check performed during the IKE portion of IPsec was done with the local printer time and not UTC time.
- If a Jetdirect 2900w is installed and two different wired networks are connected to the printer (one on the JD 2900w and one on the Jetdirect Inside connection), then it was possible (under certain circumstances) for the entire printer to become unresponsive.
- This fix prevents the printer from resetting the connection during an intervention event (paper out, paper jam, etc.) when printing using the LPD protocol. Previously, the connection would be reset after the TCP Idle Timeout had expired. Now it will wait indefinitely.
- The firmware had trouble parsing a long list of "additional records" in a DNS SRV response packet. This fix prevents the problems which were causing the device to crash with a 49.38.07 error code.
- Do not respond to pings during the DHCP process (after DHCP Discover).

- Retry 802.1x EAP Start process if unsolicited Request Identity is received after connecting to unsecured network.
- IPP attribute "printer state" is not returning the correct state when printing a port 9100 job.
- Updates to HTTPS communications for embedded aftermarket solutions.
- Some SSL requests from embedded solutions would fail due to corruption of the destination URL.
- Printer is showing offline after registering to Google Cloud Print.

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20171213 Firmware Revision: 2308937_578505
Embedded JetDirect:	JDI23900012
DC Controller:	0.30
CPB	2.174
SCB	xxxxFA1446AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver11.1
HP Fleet Release Designation	FutureSmart Bundle Version 3.9
MD5 checksum for .bdl file	680791ba1dee8342a34af186126b07d4

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20170922

Firmware Revision: 2308216\_001087

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.8.0.3

### **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

### **FIXES:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20170922

Firmware Revision: 2308216\_001087

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.8.0.3

## **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- This firmware addresses the following security issues: CVE-2017-11103 - Heimdal before 7.4 allows remote attackers to impersonate services with Orpheus' Lyre attacks.
- This firmware addresses the following security issues: CVE-2017-9765 - Integer overflow in SOAP (Simple Object Access Protocol) function allows execution of arbitrary code or Denial of Service, aka Devil's Ivy attack.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20170922 Firmware Revision: 2308216_001087
Embedded JetDirect:	JDI23e80128
DC Controller:	0.30
CPB	2.174
SCB	xxxxFA1446AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver11.1
HP Fleet Release Designation	FutureSmart Bundle Version 3.8.0.3

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20170613

Firmware Revision: 2308214\_000932

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.8.0.2

#### **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20170613

Firmware Revision: 2308214\_000932

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.8.0.2

## **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- This firmware addresses the following security issue: CVE-2017-2743 - Cross Site Scripting (XSS) Vulnerability.

Base:

- Improves a Print Quality issue wherein streaks and lines are seen due to excessive calibrations.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

Current firmware revisions included in this firmware bundle:

### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20170613 Firmware Revision: 2308214_000932
Embedded JetDirect:	JDI23e80125
DC Controller:	0.30
CPB	2.174
SCB	xxxxFA1446AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver11.1

## Enhancements and Fixes provided with this Firmware revision

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20160820

Firmware Revision: 2308209\_000585

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.8

### ENHANCEMENTS:

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

### FIXES:

Security/Authentication:

- No New Updates.

Base:

- No New Updates.



#### Digital Sending:

- No New Updates.

#### Fax:

- No New Updates.

#### Embedded JetDirect:

- No New Updates.

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20160820

Firmware Revision: 2308209\_000585

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.8

### **ENHANCEMENTS:**

#### Security/Authentication:

- Added a usability improvement for customers using certain pull print & authentication solutions (such as HP Access Control) which populate the username, domain & home folder path as attributes. In these environments if the user pre-authenticates with their badge (taps first) before entering a Save to Network Folder application quick set configured with Personal Share & verify access, the device will only require the user's password.
- Added Server Name Indication (SNI, section 3 of RFC 6066) support in TLS handshake for improved compatibility in certain configurations of Active Directory Federation Service (ADFS) on Internet Information Services (IIS) 8 or later or possibly other applications.

#### Base:

- Introduced a secure pull print job purge feature where when using a pull print solution and there is a condition on the device that requires user intervention, a job purge mode will be tied to the inactivity timeout. Job purge is limited to up to 3 jobs in the current print queue. To enable, select "Cancel Print Jobs after Unattended Error" in the devices EWS Security - General tab.
- Upgraded the font library to UFST 7.3.1. The focus areas are Error handling for TrueType fonts and OpenType CFF fonts.
- Media type "HP EcoSMARTLite" has been renamed to "HP EcoFFICIENT".

- Role-Based Access to EWS - provides ability to limit access to EWS items via defined roles. Note: If configured using 3.7.4, feature changes in next fleet release may cause some access controls to be lost. See white paper for details.
- Added functionality to allow users to cancel A3 jobs on A4 printers, mainly targeted for Pull printing customers.

#### Digital Sending:

- The number of allowed domains in the Email Domain Restriction has been increased from 20 to 50.
- Added a feature to show secondary credentials as soon as the user starts a job that requires credentials (Folder, SharePoint) but credentials are missing. The secondary credentials prompt should be displayed regardless of the setting "verify folder access prior to job start" is enabled or disabled.
- TWAIN scanning support on Network connected MFPs. The scan can be initiated using an HP or non HP TWAIN client application. The feature would also support 'Job Reservations' to complete the remote scan requests from the Control Panel of the MFP.

#### Fax:

- Added alphanumeric keypad support for fax.

#### Embedded JetDirect:

- No New Updates.

#### **FIXES:**

#### Security/Authentication:

- 33.05.17 Security Alert seen when base filename used to package and zip files for solution bundling is too long.
- You may see a 33.05.18 error when using select Solution Providers software on Firmware bundle 3.7
- EWS Session Id HttpOnly attribute in HttpCookie class set to true.

#### Base:

- Garbled text printed on config pages in certain localizations have been resolved.
- You may see devices intermittently stop responding in complex print environments
- Improvement in print performance of certain PDF files.
- Resolves an issue where HP device with PaperCut solutions may result in users being unable to Authenticate or Pull Print. Within the PaperCut Administration Console the HP device is unable to be configured or the embedded device status reports the following error "Error: The server sent HTTP status code 400: BadRequest".
- EPrint error "Could not communicate with HPConnected.com. Some internal error happened, try again." is seen after upgrading firmware to FS 3.5.1 or later versions.
- Performance improvements related to non-English language usage in EWS and at device Control Panel for built-in and aftermarket solutions (such as Authentication).
- A 49.38.07 error may be seen when printing PDF files using LPR.
- Improvement in print performance while printing certain PDFs using PS driver.
- PCLXL error is seen while printing PDFs with watermark.
- When PJI JOB START specifies a specific page to begin printing on (e.g. PAGE 20), the device correctly begins printing on the specified page. However, unsolicited PJI USTATUS PAGE responses would begin counting from Page 1 (Page 2 when printing duplex) instead of the specified JOB START page (e.g. PAGE 20). This has been corrected so PJI USTATUS returns PAGE counts beginning at the specific START PAGE.
- An indication that direct Tiff printing was supported with the Retrieve from USB feature was missing from control panel screen seen after opening the application on the control panel.
- Not able to change Tray Registration settings while EWS is in certain languages.
- Equitrac Authentication Agent sign-in agent is missing.
- PaperCut error "Could not connect to the Quota server. If this problem persists, contact the administrator" is seen after upgrade to FS 3.7.4.
- If stop hard key is pressed while the device is in sign-in page of any application, the device does not recover and we are not able to access any application on home screen after that.
- PDF bar code not printed correctly.

#### Digital Sending:

- Reoccurring 44.01.0E errors in some scenarios when searching local fax records via address book has been resolved.
- During Send to Network folder the device fails to prompt user credentials screen when the destination is set to NAS.
- The device repeatedly prompts to add email address of the signed in user to the Address Book.
- Digital Send jobs get stuck in the queue when using font DIMM loaded with higher file size.

- Resolved an issue wherein encrypted emails restricted by size were not sent correctly.

Fax:

- Internet fax doesn't support special characters underscore ( \_ ) and hyphen ( - ) as T.37 prefix.

Embedded JetDirect:

- Functionality of the TCP MSS settings in Telnet has been restored.
- Fixed a situation where bad network packets (invalid checksum) could be accepted and processed as if they were good.
- Resolved memory leaks (and possible device lockup) in DNS mapping logic when handling uncommon IPv4/IPv6 scenarios.

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20160820 Firmware Revision: 2308209_000585
Embedded JetDirect:	JDI23e80125
DC Controller:	0.26
CPB	2.174
SCB	xxxxFA1446AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver11.1
HP Fleet Release Designation	FutureSmart Bundle Version 3.8

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20160225

Firmware Revision: 2307851\_000055

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.7.01

## **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20160225

Firmware Revision: 2307851\_000055

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.7.01

## **ENHANCEMENTS:**

Security/Authentication:

Base:

Digital Sending:

Fax:

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

This firmware addresses the following security issue:

CVE-2016-2244

Base:

Digital Sending:

Fax:

Embedded JetDirect:

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20160225 Firmware Revision: 2307851_000055
Embedded JetDirect:	JDI23701070
DC Controller:	0.26
CPB	2.173
SCB	xxxxFA1446AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver11.1
HP Fleet Release Designation	FutureSmart Bundle Version 3.7.01

### **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20160102

Firmware Revision: 2307781\_551206

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.7

#### **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20160102

Firmware Revision: 2307781\_551206

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.7

## **ENHANCEMENTS:**

Security/Authentication:

- Whitelisting ensures only authentic, HP firmware code that has not been tampered with is loaded into memory. If an anomaly is detected, the device reboots to a secure, offline state.
- Runtime Intrusion Detection checks for anomalies in system memory during complex firmware and memory operations. In the event an anomaly is detected,



the device automatically reboots. If the Auto-recover feature is disabled, or the anomaly occurs twice within 30 minutes, the device reboots to a secure, offline state.

#### Base:

- The device now has the capability to directly print TIFF files from the walk up USB port.
- When a full keyboard is displayed on the control panel, there is now a shortcut key, "123" which when pressed, will display a 10-key numerical keypad to make it easier to enter numerical PINs.
- Added support for printing TIFF files.
- IPP Job Mandatory attributes and Page Overrides are supported in Airprint 1.5 phase 2.
- Improvements made to better recognize fluorescent highlighters when scanning. Users must select "Text" mode when scanning to use updated scan tables.
- Additional support added for Code128, Code 3of9, OCR-A, and OCR-B.
- When No Media Type is specified in the job and Tray 1 is loaded and configured (ex: letter, cardstock), a prompt with the default media type is seen in the mount (default: plain). If we press "OK" then the tray will be seeded to the job size and type. If the user decides to not accept this change and selects the modify button and change the tray1 type and press ok, the mount comes back. What this means is that the user will not be able to use what is loaded and configured in Tray1 with the current job. This requirement provides the capability wherein an "Options" button is displayed instead of "OK" in the mount and once user presses Option button, he should be able to see two listings for Tray1, one with the current tray settings and one with the Job settings. Once user selects Tray1 with Job settings, Job size and Job type will be seeded in Tray1 and Job will get printed from Tray1. If user selects any other listing it will be treated as override of Job to tray settings.
- Include the ability to erase content on the edges of images being copied, similar to the edge erase functionality for scanned images.

#### Digital Sending:

- "A requirement to provide a solution that allows restriction of e-mail addresses that can be used in scan to Email jobs (To/Cc/Bcc) and e-mail job notifications.
- The admin should be able to set the list of e-mail domains that can be used. For instance, if the list of allowed domains contains just "'hp.com'", then just e-mails that contains @hp.com can be used when sending e-mail jobs and job notifications."
- Users now have the ability to browse network folders from the Send to Network Folder application for CIFS and DFS connections (but not FTP) provided they have "Ability to edit the network folder path" enabled by their network administrator.

- Ability to set file number format "X\_Y" in the email subject as well when using Scan to Email.

Fax:

- Added the ability to flip orientation to duplexed Fax output.

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- "After upgrade to firmware version 3.4, DFS jobs begin to fail after a period of time. Sending to the physical location from a client works as expected. "
- Large scan jobs will fail if smartcard removed.
- Send to homefolder fails intermittently with "Invalid folder destination server or path".
- If a password is mis-typed twice when using a Common Access Card the users account may be locked out despite Active Directory being set to lock out after three bad password attempts.

Base:

- PCL XL error page is printed intermittently after retrieving the encrypted stored Jobs.
- HP logo hang when performing specific OCR Digital Send activities.
- 49.4A.04 error is seen when printing certain PDF documents using PS driver or Direct Print.
- 49.4A.04 error is seen when printing certain Microsoft Word documents using the Print feature in the EWS.

- Printing certain PDF files using the Print Feature in the EWS may result in a blank page being printed.
- Report pages are still able to be printed when Access Control has been locked down for those menu items.
- Slow printing observed when using direct PDF for scanned documents.
- Improvement in print performance of certain PDF files.
- In the Retrieve diagnostic data menu on the control panel, "OK" button was added to allow user to navigate back after exporting the data.
- Configuration page not printed in few localization languages (Croatian, Romanian, Slovak, Slovenian, Catalan, Indonesian and Thai).
- Improved small job performance.
- Error 65.80.A1 is seen intermittently after the device wakes up from sleep mode.
- Device hangs in "processing" state intermittently.
- When printing specific PDF documents via UNIX, users can get a message regarding an Invalid Font, Failed reading start X ref number.
- Default Copy or Send Automatic Document Feeder size switches to Letter after firmware upgrade.
- Added the ability to support more characters when defining user defined paper types via the embedded web server.
- Troubleshooting tab localization is wrong in German Language.
- Improved remote control-panel allowing access to remote operators while the initial language and date/time wizard is open for new device installations as well as some error messages.
- You may see a delay in accepting data in the middle of a job or between jobs when using the Equitrac solution.
- HPAC15.0 does not read proximity card correctly when waking from sleep mode with OXPd1.7
- When device language is set to "German", the Scan File Types selection for OCR file type are showing up in a different language
- The "Scanner Busy" message is not localized correctly in certain languages

- German Localization is incorrect for "Device Memory" feature.
- Keyboard layout setting is changed from "English (UK)" to "Japanese (Romaji)" after upgrading FW from 3.2.7 to 3.4.
- Accentuated characters missing with univers font on 3.4.
- Slow printing of specific PDF files.
- The Esc E command is not resetting the PCL5 print environment when used with the Paper Type command.
- 'Lines on page may not print when using certain PS or PDF print files.
- "Scanner Busy" messages hang indefinitely on control panel under certain conditions.
- You may see the devices intermittently stop responding to SNMPv3 queries after 2-3 weeks of up-time.
- "SNMP Value for hrMemorySize (OID 0.1.3.6.1.2.1.25.2.2.0) Reporting
- Incorrect Memory Size."
- A 49.38.18 may be seen on the control panel when the device has FutureSmart Bundle Version 3.5 installed.
- Arabic words on WinForms have separated letters only.
- Setting the Home button to disabled in an OXPd application does not disable the device Home button.
- A 49.38.07 may be seen on the control panel for no apparent reason.
- Customizing Alternate Keyboard Layout via WJA does not work.
- Error 81.04.00 is seen while printing a few pages after upgrading the firmware from FS 3.2.7 to FS 3.4 or FS 3.4.1.

#### Digital Sending:

- Send to Network folder failure due to CIFS timeout has been addressed.
- Email addresses are not added to the local address book through device control panel when the local address book consists higher entries.
- "Scanner Busy" message is continuously displayed on the control panel until the scan job stuck in the active jobs queue is canceled.

Fax:

- "When 'Rear bin' is selected as output bin for printing incoming faxes, 'close the door message' pops up and the faxes are not printed in the rear output bin.

Note: The change in behavior now will have the following effect: If the bin is open, the faxes will always be printed to rear output bin, regardless of output bin selection. In order to print to standard bin normally, close the rear output bin. If the rear bin is closed, fax will always be printed to standard output bin regardless of output bin selection."

- When user selects fax recipients from the Address book and deletes one or more recipients, the fax sent is received by the deleted recipients and not the ones selected in the list.

Embedded JetDirect:

- Slow performance on PPT files.

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20160102 Firmware Revision: 2307781_551206
Embedded JetDirect:	JDI23700069
DC Controller:	0.26
CPB	2.173
SCB	xxxxFA1446AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver11.1
HP Fleet Release Designation	FutureSmart Bundle Version 3.7

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: xxxxxxxx

Firmware Revision: xxxxxxxx\_xxxxxx

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.6

### **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: xxxxxxxx

Firmware Revision: xxxxxxxx\_xxxxxx

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.6

## **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates

Fax:

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- FutureSmart Bundle version 3.5 is unable to communicate with WJA, DSS, LDAPs and possibly others. The fix for this issue shall result in some changes of behavior as listed below:
  - Self-signed certificates shall be upgraded to SHA-256 and 2048 bit keys.
    - There are a few special cases where a printer-generated self-signed certificate will not get replaced during the update process. If this happens, then the certificate can be manually regenerated afterwards.
  - Older browsers that do not support SHA-256 encoding shall not be able to display encrypted EWS pages.
  - Browser security warning shall re-occur once.

Base:

- After rebooting the printer, some customers may notice a significant drop in the percent life remaining in their High Yield Black Original LaserJet Toner (X) Cartridges.
- Added OID support for Cartridge Serial Number.
- Cartridge Very Low message is cleared while opening and closing doors.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

Current firmware revisions included in this firmware bundle:

**DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: xxxxxxxx Firmware Revision: xxxxxxxx_xxxxxx
Embedded JetDirect:	JDI23500067
DC Controller:	0.26
CPB	2.168
SCB	xxxxFA1446AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver11.1
HP Fleet Release Designation	FutureSmart Bundle Version 3.6

**Enhancements and Fixes provided with this Firmware revision**

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20150609



Firmware Revision: 2305090\_000474

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.5.1

## **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20150609

Firmware Revision: 2305090\_000474

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.5.1

## **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates

Fax:

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- FutureSmart Bundle version 3.5 is unable to communicate with WJA, DSS, LDAPs and possibly others. The fix for this issue shall result in some changes of behavior as listed below:
  - Self-signed certificates shall be upgraded to SHA-256 and 2048 bit keys.
    - There are a few special cases where a printer-generated self-signed certificate will not get replaced during the update process. If this happens, then the certificate can be manually regenerated afterwards.

- Older browsers that do not support SHA-256 encoding shall not be able to display encrypted EWS pages.
- Browser security warning shall re-occur once.

#### Base:

- After rebooting the printer, some customers may notice a significant drop in the percent life remaining in their High Yield Black Original LaserJet Toner (X) Cartridges.
- Added OID support for Cartridge Serial Number.
- Cartridge Very Low message is cleared while opening and closing doors.

#### Digital Sending:

- No New Updates.

#### Fax:

- No New Updates.

#### Embedded JetDirect:

- No New Updates.

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20150609 Firmware Revision: 2305090_000474
Embedded JetDirect:	JDI23500067
DC Controller:	0.26
CPB	2.168
SCB	xxxxFA1446AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver11.1
HP Fleet Release Designation	FutureSmart Bundle Version 3.5.1

## **Enhancements and Fixes provided with this Previous Firmware revision**

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20150403

Firmware Revision: 2305076\_518498

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.5

### **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

### **FIXES:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20150403

Firmware Revision: 2305076\_518498

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.5

## **ENHANCEMENTS:**

Security/Authentication:

- This firmware addresses the following security issues: CVE-2014-3566 – SSLv3 POODLE (Padding Oracle on Downgraded Legacy Encryption) Vulnerability

Base:

- Added the ability to auto detect certain media sizes on the flatbed when the lid is still open. These paper sizes include: A4, A4-rotated, A3 – Letter, Letter-rotated, 11x17.
- Added the ability to view the "ProductNumber" and "LookAndFeelId" attributes in the products via OXPd Solution Installer and the Jedi Embedded SDK.
- The device can now communicate secure stored job options to the printer driver.
- Added Output Device Diagnostics support.
- Changed the More Apps menu text to reflect the new name of JetAdvantage.
- Devices will support JPEG printing via Airprint 1.3.
- Added Native printer support for "Google Cloud Print". For setup and registration instructions, go to [www.google.com/cloudprint/learn/](http://www.google.com/cloudprint/learn/)

Digital Sending:

- No New Updates

Fax:

- An option has been added in the Fax Send Setup to choose which attribute will be used as the user name in the LAN fax metadata.

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- When Trusted Platform Module (TPM) is installed DriveLock password cannot be changed.
- Email FROM field does not reflect Authenticated user address when GuestUserOverride is set as default.
- A smartcard middleware crash can occur with cards containing an "empty certificates" buffer when used with the NIPRNET Smartcard Authentication Solution for US Government.
- A device hang can occur during smart card sign in if an invalid OCSP URL is configured under Security -> Certificate Management of the device EWS.
- Device enters protected mode on the 6th failed logon attempt, instead of on the 5th failed logon. This issue only affects LDAP & Windows authentication.

Base:

- Device hangs with the error 49.43.0F while authenticating with Follow-me solution installed.
- Japanese characters in Address Book are garbled when using Backup and Restore feature.
- Error 33.02.01 is observed when upgrading the firmware from FS3.0 to FS 3.4.
- Devices crashes with Error 49.38.07 while processing a duplex PS job with custom media size.
- Error "Unregistered Offending Command: ImageMask" is seen while printing certain Jobs using a PS driver.
- Print Jobs are slow when driver Status Notification is turned ON.

- The time stamp does not show local time when EWS Job log is exported to CSV or Text file.
- Communication failure is reported while using WJA to configure the device.
- Intermittently you may experience connectivity issues with USB Card Readers connected to embedded solutions.
- Error 49.2A.01 is observed while printing certain word documents using discrete driver.
- Error 49.4a.04 is seen when printing multiple copies of certain PDF documents.
- You may see Slow Copy Performance when using the Auto Include Margin Setting.
- Printing an A4 document may display a prompt on the printer's control panel to load paper in the MP tray.
- Output will not be correct when duplexing with the Alternative Letterhead feature.
- When performing a Encrypted stored job via PC, the "Date Stored" time on the device is incorrect.
- After firmware upgrade to 3.1 with ShareScan 5.0 and SP6, EWS page no longer shows preview navigation buttons correctly.
- When trays are empty and configured with A4-R media size,an A4 Print Job sent to the device invokes a "Load A4 " prompt.Upon loading the tray with A4-R media ,the job does not resume.

#### Digital Sending:

- The personal folder's default attribute is now changed to homeFolder.
- When send to email the file is being split incorrectly, irrespective of the maximum file size is set to.
- Scan to homefolder fails after upgrading the firmware to 3.4 when the durable handle request is not supported by the destination server.
- Error 30.01.44 is seen when starting a scan job during scanner initialization.
- A conflict message in the "Quickset setup "page is seen, when the Quickset icon is hidden and a new Quickset is configured to be placed on Home screen.

- 49.38.18 Error- Invalid value for email address message while sending email.

#### Fax:

- Notification with thumbnail gets printed even though fax is cancelled during transmission
- Fax accessory page shows 'Print' for Send/Receive Fax call report, even though the notification setting is 'Email'.
- Internet Fax Provider name doesn't show under Job Log.
- User gets an error configuring Fax archive to folder even though valid credentials are provided.
- EasyLink Internet fax notification fails with provider returning a notification indicating "too many digits".

#### Embedded JetDirect:

- DHCP DISCOVER packets now include Tag 77 containing model and serial number information for the printer/mfp.

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20150403 Firmware Revision: 2305076_518498
Embedded JetDirect:	JDI23500064
DC Controller:	0.26
CPB	2.167
SCB	xxxxFA1446AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver11.1
HP Fleet Release Designation	FutureSmart Bundle Version 3.5

### **Enhancements and Fixes provided with this Previous Firmware revision**

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:



Firmware Datecode: 20150218

Firmware Revision: 2304070\_439663

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.4.1

## **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Analog Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Analog Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20150218

Firmware Revision: 2304070\_439663

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.4.1

## **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Analog Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- No New Updates.

Base:

- Incorrect translation of Job Build operation message in Japanese language on the control panel.

- End users prevented from authenticating to the device for some period of time following a digital send or pull print operation performed by a prior authenticated user. Some customers report an inability to login until the device has been power-cycled.

Digital Sending:

- No New Updates.

Analog Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20150218 Firmware Revision: 2304070_439663
Embedded JetDirect:	JDI23400008
DC Controller:	0.26
CPB	2.167
SCB	xxxxFA1446AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver11.1
HP Fleet Release Designation	FutureSmart Bundle Version 3.4.1

#### **FIXES AND ENHANCEMENTS PROVIDED WITH PREVIOUS FIRMWARE REVISIONS:**

NOTE: ALL IMPROVEMENTS WITH PREVIOUS REVISIONS OF FIRMWARE ARE INCLUDED WITHIN THE MOST CURRENT REVISIONS

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20141211

Firmware Revision: 2304061\_439477

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.4

## **ENHANCEMENTS:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Analog Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

## **FIXES:**

Security/Authentication:

- No New Updates.

Base:

- No New Updates.

Digital Sending:

- No New Updates.

Analog Fax:

- No New Updates.

Embedded JetDirect:

- No New Updates.

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20141212

Firmware Revision: 2304061\_439477

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.4

## **ENHANCEMENTS:**

### Security/Authentication:

- Ability for administrators to configure product EWS for LDAP or Windows Authentication Sign In for product tabs.
- Support added for extensibility solutions to use Windows and LDAP authentication.
- Allows EWS users to Enable and Disable installed Authentication Agents on the EWS Access Control page.
- AirPrint 1.3 Authentication is now supported.
- Simplified Account Lockout is a feature to protect administrator and user accounts and PIN protected stored jobs from brute force hacking attempts. The feature is built into the interface with no configuration necessary. After 5 failed authentication attempts, the system enters "Protected Mode" and inserts small fixed delays to impede continued password guessing. (Note: Identical passwords are treated as a single attempt.) After the user successfully authenticates, or the device idle timeout expires, the "attempt counter" is reset.
- Provides improved logging performance for syslog security event logging when printing multiple small print jobs.
- When a Future Smart device connects securely (i.e. with SSL/TLS) to SMTP, SharePoint or DSS servers, the identity of the server is now authenticated. This authentication requires the installation of the correct CA certificate into the Future Smart printer/MFP.
- Product enablement for HP Trusted Platform Module Accessory.

### Base:

- Ability for administrators to configure an email alert for print, copy, send or fax jobs that may be still processing or stuck after a given threshold.
- Ability for administrators or optionally help desk to remotely control device if authorized from embedded web server.
- Added PDF 1.7 support for direct printing.
- Device settings can now be backed up and stored on the device before a firmware upgrade is performed.
- Improved copy, send and fax behavior with jobs automatically queued if the scanner is busy or warming up.
- Ability to detect Officio size in the ADF.
- Hebrew and Arabic languages are now available on the device control panel.

#### Digital Sending:

- When creating a Send to Folder quickset that requires authentication, the domain that is set by the administrator will be pre-populated to the control panel interface.

#### Analog Fax:

- Ability for administrators to specify a separate "from" email address for analog fax archive jobs sent by email.
- The fax test page will provide diagnosed results showing the status and technical details of modem and phone line which would help an engineer/support personnel to troubleshoot a fax issue.
- Ability for administrator to add multiple Internet fax domains and create a list of Internet domains users can select from.

#### Embedded JetDirect:

- The default network interface used for outbound connections has been changed to prioritize the Embedded Jetdirect followed by EIO, the 2700W and finally the 2800W. This priority is settable on the Networking tabs of EWS.

### **FIXES:**

#### Security/Authentication:

- A 49.38.0C error may occur when performing a save to network folder digital send job to some distributed file system destination directories.
- Resolves an issue where an extensibility solution could unintentionally cause a feature to be present on the device control panel.
- Some save to network folder digital send jobs may fail when IPSEC is enabled on the device and the folder path is specified by fully qualified domain name.
- A 49.38.11 error can occur on smart card insertion with the HP Smartcard US Government SIPRNet Solution.
- The embedded Security -> Certificate Management embedded web server page may not load properly after firmware update.

#### Base:

- Changing the Energy Setting to Wake on All events did not wake the printer when Control Panel was touched.

- With Color Restrictions ON, personal colored job with PIN fails to print.
- The Wake On Network Port setting may be seen on older devices, even though this option was not supported.
- Even though the Copy function has been disabled by administrator using control panel customization through EWS, users were still able to copy using "Start Copy" soft button on Home Screen or the Start hard key.
- 49.38.07 error seen when printing duplex jobs containing Thai fonts.
- If "ability to modify tray size and type" settings is locked for a user, Tray 1 "Use Requested Tray - First" capability is lost. The printer cannot pick paper automatically from Tray 1, even when loaded with correct paper size, and user gets prompted to load paper into Tray 2 to complete the job.
- Half-width conversion is not occurring with YEN character on Japanese Keyboard layout.
- When printing mixed Letter/Ledger or A4/A3 the device will now prompt properly for the required media.
- Alternative Letterhead Mode feature not working correctly for copy stored jobs.
- Errors in PCL which did not allow customer files to print, have been turned to warnings.
- Control Panel may display the incorrect output paper size when scaling is applied.
- Printer is entering into a deeper sleep when a card reader is installed.
- Unable to read Barcode printed on configuration page.
- Duplex printing with Alternative Letterhead mode enabled, gives the wrong image orientation.
- When trying to retrieve all Encrypt jobs, the device doesn't print till the printer display resets back to home screen.
- When a device with an empty tray, has been discovered in WJA, it does not send "Paper Out" alert, even after subscribing for it.
- "Personal Jobs" with Encrypted job (With Password) are not getting stored via IPP driver.
- Scan Service is not returning the Device Alert Event of Scanner ADF Jam while doing a Cover Open Jam.
- When the MFP is restarted, the copy settings of Color/Black changes to Auto-Detect from Black.
- The Form Length and the Font number PCL values are reset to default after printing some documents and rebooting the device.
- Some improvements in printing back to back small one-two page jobs.

#### Digital Sending:

- Date on Embedded Send to Network Folder job notification page is inaccurate.
- Issue with Japanese characters while configuring UNC path for Send to folder.
- Device takes more time to display the folder quicksets on control panel when configured through DSS.
- Searchable PDF feature generates very large file attachments while performing scan to email.
- Folder quickset's destination value is different with xml and hps metadata files.

- The Finish button may be hidden by a dialog when configuring a Save to SharePoint quickset
- Email setup wizard enabled with "Grey out the information" on the control panel uses the specified authentication credentials for sending emails.
- Send to folder fails with local folder path for OXPD 1.6 services.
- Metadata XML file counts the blank pages when blank page suppression is used.
- Home folder's default attribute is changed to homeDirectory.
- Email from the device may be flagged as Spam due to a missing hostname in the EHLO command when communicating with the SMTP server.

#### Analog Fax:

- When you import an address book in EWS some of the fax number entries are not displayed on the control panel. However searching for a particular fax record will display the missing entry.
- A 99.07.20 error relating to fax modem is seen when upgrading and downgrading FutureSmart MFPs.
- HP FutureSmart MFP devices receive incoming faxes successfully but will not print when both sender and receiver negotiate to JBIG image compression.
- LanFax Jobs failure notifications even though the faxes are being received successfully.
- Fax confirmation pages print continuously even after disabling print notifications.
- Stored Faxes may be deleted when the 'delete standard stored jobs' functionality is set to a certain time period.

#### Embedded JetDirect:

- Send to Email over IPv6 causes the MFP to become unresponsive
- Network settings, e.g. static IP address, configuration method, etc. intermittently reset to default values.
- Very long Postscript jobs sometimes do not print
- A delay may occur between print jobs when CCC logging is enabled
- A number of ports between 1033 and 1044 report as Open/Filtered
- Network configuration is reset to DHCP after a firmware upgrade.
- Printer becomes unresponsive after 10,000 telnet (tcp port 23) connections.
- Current 32K TCP buffers cause excessive delay on long latency/high bandwidth transfers

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20141212 Firmware Revision: 2304061_439477



Embedded JetDirect:	JDI23400008
DC Controller:	0.26
CPB	2.167
SCB	xxxxFA1446AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver11.1
HP Fleet Release Designation	FutureSmart Bundle Version 3.4

## **FIXES AND ENHANCEMENTS PROVIDED WITH PREVIOUS FIRMWARE REVISIONS:**

NOTE: ALL IMPROVEMENTS WITH PREVIOUS REVISIONS OF FIRMWARE ARE INCLUDED WITHIN THE MOST CURRENT REVISIONS

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20140731

Firmware Revision: 2302963\_436079

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.7

### **ENHANCEMENT:**

Security/Authentication:

- No New Updates

Base:

- If a job is still being processed and has not completed, an email alert can be sent out notifying administrators that there may be a stuck job. This can be helpful if troubleshooting situations where fax, send or print jobs are hung but if the time is set too low may generate false-positives. It is recommended to be used as a diagnostic technique when troubleshooting stuck jobs where the device is not frozen only

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Embedded JetDirect:

- No New Updates

## **FIXES:**

Security/Authentication:

- No New Updates

Base:

- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Embedded JetDirect:

- No New Updates

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20140731

Firmware Revision: 2302963\_436079

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.7

## **ENHANCEMENT:**

Security/Authentication:

- No New Updates

Base:

- No New Updates

#### Digital Sending:

- The ability to select the number of pages per file for PDF and MTIFF when scanning through the ADF is added to File Settings
- A 'user editable' field to restrict/permit users from entering email address in the email notification address field.

#### Analog Fax:

- No New Updates

#### Embedded JetDirect:

- No New Updates

### **FIXES:**

#### Security/Authentication:

- No New Updates

#### Base:

- Device is not reporting the custom device name
- After firmware upgrade or downgrade the control panel is blank and does not show the hp logo during boot for more than 1 minute
- When printing Mixed Letter/Legal jobs sent by HP-UX OS, if the number of copies is not specified for a particular papersize, it takes the number of copies of the previous set.
- Paper load prompt not consistent between FutureSmart products
- Tray 5 selection unavailable when performing Booklet copy
- You may see a 49.38.03 error when authenticating
- Edited quick sets may not update in all screens
- The message within Web JetAdmin "Intervention Needed" is not cleared even after intervention was cleared from the device.
- You may see a 49.38.13 error using Autosend when not configuring a site proxy with credentials.

#### Digital Sending:

- You may see Address Book errors in the event log when using DSS 5
- While sending an email from the device attached to DSS, the authenticated user is prompted to add the address to the address book again despite adding it.
- Delays noticed in user-populated Send to Email fields when using DSS 5.01.02 and HPAC-based authentication.
- The scan to folder application can take up to minutes to load when there are over 50 DSS Quicksets and would take longer when quick set contains multiple destinations.

#### Analog Fax:

- No New Updates

#### Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20140731 Firmware Revision: 2302963_436079
Embedded JetDirect:	JDI23260006
DC Controller:	0.26
CPB	2.141n
SCB	xxxxFA1415AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver11.0
HP Fleet Release Designation	FutureSmart Bundle Version 3.2.7

## **FIXES AND ENHANCEMENTS PROVIDED WITH PREVIOUS FIRMWARE REVISIONS:**

NOTE: ALL IMPROVEMENTS WITH PREVIOUS REVISIONS OF FIRMWARE ARE INCLUDED WITHIN THE MOST CURRENT REVISIONS

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20140529

Firmware Revision: 2302908\_435017

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.5

## **ENHANCEMENT:**

Security/Authentication:

- No New Updates

Base:

- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Embedded JetDirect:

- No New Updates

## **FIXES:**

Security/Authentication:

- No New Updates

Base:

- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Embedded JetDirect:

- No New Updates

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20140529

Firmware Revision: 2302908\_435017

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.5

### **ENHANCEMENT:**

Security/Authentication:

- No New Updates

Base:

- The Job Cancel button behavior has changed to prompt a user to either resume or cancel the job, which is now also tied to the inactivity timeout. We also have the ability to remove the Job Cancel button (red x) from the CP of the device.
- Now have the ability to support up to 28 characters for Custom Media types.

Digital Sending:

- Auto-detect' feature in Scan Options can now detect 8-bit black/grey images as well
- Ability to disable the use of the Flate compression method when compressing the PDF files that are generated from the scanned pages.

Analog Fax:

- Ability to consolidate fax reports/notification with optional thumbnail. This will allow end users to receive a single report back for jobs that are sent to multiple fax destinations with a summary of success / failure for each destination.

Embedded JetDirect:

- No New Updates

## **FIXES:**

### Security/Authentication:

- No New Updates

### Base:

- The Web Services tab may be missing.
- Private Jobs are not sorted and printed properly on devices with the solid state drives.
- Sending Personal Private Stored Jobs with Encryption does not keep copy count.
- The symbol "&" is not supported in the search root when configuring LDAP
- Certain character may get flipped or mirrored in some documents.
- Numeric keypad did not display when retrieving a PIN protected stored job.
- Within the Korean control panel language you may see double characters, wrong translation or key clicks that are required to be pressed twice before being implemented.
- Devices with error message and Welcome message enabled will not automatically sign user out if the device is left idle after job
- Calibration are occurring at the incorrect time interval during a print job process.
- Safecom users may get accidentally signed out shortly after the device wake up from A1W using the proximity USB card reader.
- Certain text and help messages within the Asian languages were not localized properly.
- You may see a 49.4A.04 error when printing certain Websites or PDF files.
- Individual pages may be rotated 90 degrees within the output of copy job.
- You may see a 31.13.02 error when the ADF lid falls or closes to hard.
- Fix to prevent certain 49.38.14 error which are not able to be cleared.
- Retrieving all Personal jobs may result in the print all option not working until the device is rebooted.

### Digital Sending:

- When using an OXPD 1.6 based application you may see a 10s to 17s delay from the time the Scan button is pressed until the first page is pulled from the ADF

### Analog Fax:

- The LAN fax metadata file is missing the username in the username field when the device is set to Korean and the Active Directory users authenticate to the device.
- Scanner host name in the HPS file shows invalid host name instead of correct host name.

- The ##SCANNERHOSTNAME parameter is set to "WinCE" in the LAN fax metadata file instead of the host name of the device.
- Send faxes enter into pending state and the control panel displays a stuck 'incoming call' for inbound fax job.
- Device may not wake up from sleep when there is an incoming fax

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

**DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20140529 Firmware Revision: 2302908_435017
Embedded JetDirect:	JDI23250001
DC Controller:	0.26
CPB	2.141n
SCB	xxxxFA1415AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver10.4
HP Fleet Release Designation	FutureSmart Bundle Version 3.2.5

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20140324

Firmware Revision: 2302786\_433742

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.3

**ENHANCEMENT:**

Security/Authentication:

- No New Updates

Base:



- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Embedded JetDirect:

- No New Updates

### **FIXES:**

Security/Authentication:

- No New Updates

Base:

- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Embedded JetDirect:

- No New Updates

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20140324

Firmware Revision: 2302786\_433742

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.3

## **ENHANCEMENT:**

### Security/Authentication:

- Support added for HP Smartcard US Government SIPRNet Solution

### Base:

- Control Panel changes to support configuration of Furigana field when adding or editing an address book entry and changes in the Address Book Details screen to display the Furigana data.
- Added the ability to configure default notification behavior for all applications to "Print" notification on job failure
- New setting to configure job timeout for "Permanent Jobs" for Job Retention.
- Added the ability to allow an administrator to change the Service PIN on their device.

### Digital Sending:

- No New Updates

### Analog Fax:

- The fax speed dial capacity has been increased from 99 to 1000 with each speed dial supporting up to 210 destinations. The user shall be able to select, edit, import, export and search the list of speed dials
- This feature allows Administrator and/or HP field support personnel to export "Fax debug logs" to USB disk plugged into the front-panel USB port via UI menu option or Network folder as specified by EWS setting. The debug logs are helpful for HP to diagnose fax issues.

### Embedded JetDirect:

- No New Updates

## **FIXES:**

### Security/Authentication:

- No New Updates

### Base:

- Removing a solution through the Embedded Web Server that was installed via OXP1.5 may leave the OXP1.5 data on the device
- If a cold reset is performed when a solution is loaded, the EWS->Security->Access Control page still showed Solution entries which no longer exist.
- You may see a 49.4A.04 error when printing certain web pages or PDF files.
- You may see a processing hang when sending large quantities of print, copy and send jobs all at the same time.
- When installing some CCID card readers you may see the following error - "Invalid USB device is attached. Please remove it."
- Job Status menu is not able to be locked down in the Security/Access Control
- The Embedded Web Server exported view of the Job Log does not match what is on screen.
- May fail to wake from sleep when device is setup to wake (turn on) on a wake schedule.
- QuickSet one touch job starting regardless of Active notification prompt.
- When stapling is requested within the print driver you may see the first page separated from the remaining job which is stapled.
- web service events incur a long delay if stuck behind undeliverable events (such as to WJA service being unreachable)
- Entering a "space" on the Korean keyboard required 2 touches.
- The MFP may stop responding if a second copy job is started and then cancelled while the first copy job is still processing.
- Japanese IME keyboard input is improved in this release
- You may see a 49.38.18 error when not signing out after using the 2-sided ID Scan feature.
- Performance may slow down and the device may show offline in print queues or Web JetAdmin when using Data Collection within Web JetAdmin.

#### Digital Sending:

- Address book - sort order is not based on Furigana field for Japanese contacts
- Address Book - Entries Without Furigana should be listed first
- The email is not signed when the MFP is attached to DSS but is signed from MFP.
- You may see a username folder created inside the first username folder when sending more than one Send to Network Folder job with an authenticated user.
- "SMTP Gateway not responding" message erroneously presented when sending email, pressing OK will continue sending email.
- Japanese (Romaji) characters could not be entered in a UNC folder path
- Unable to search address with underscore(\_) using LDAP .
- Folders created by DSS may not display in the folder list on the control panel
- When you scan to PDF/A the resulting PDF/A document seem to report PDF/A-1a instead of PDF/A-1b

#### Analog Fax:

- Faxes hang while receiving and doesn't time out forcing the user to cancel the fax or reboot the device
- Fax "Quick Set" Configuration is not possible through in EWS Page.
- No fax detected' messages which are typically not fax failures are shown in 'Standard' fax activity log thus users perceiving them as real failures. The 'No fax detected' calls will be moved under 'Detailed' activity log.
- Deleting All Fax Speed Dials within the EWS may take more than an hour.
- Trash Icon in Fax Speed dials is visible outside the Window if we enter more than 6 Fax numbers
- The process of Importing Speed Dials is slow and increases exponentially with the number of records imported.
- "Prompt user prior to job start" checkbox may be visible in the Fax application from the control panel. It should only appear in the Administration application, which is now the behavior with this release.
- Fax speed dial entries may be erroneously deleted if their name starts with the same two characters as an entry that is edited.
- Fax Speed Dials with certain Characters Prevent Fax Speed Dial Selection

#### Embedded JetDirect:

- When exporting the Jetdirect Identity certificate, the password is incorrect
- The link speed reported over SNMP is incorrect for 1000T
- IPP should not be reporting an error on exiting priority-mode job during printing

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20140324 Firmware Revision: 2302786_433742
Embedded JetDirect:	JDI23230013
DC Controller:	0.23
CPB	2.141m
SCB	xxxxFA1407BR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver10.7
HP Fleet Release Designation	FutureSmart Bundle Version 3.2.3

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20140129

Firmware Revision: 2302600\_430615

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.2

## **ENHANCEMENT:**

Base:

- New setting to configure job timeout for "Permanent Jobs" for Job Retention.

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

## **FIXES:**

Base:

- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

#### Security/Authentication:

- No New Updates

#### Embedded JetDirect:

- No New Updates

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20140129

Firmware Revision: 2302600\_430615

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.2

#### **ENHANCEMENT:**

#### Security/Authentication:

- No New Updates

#### Base:

- Added the ability to allow an administrator to change the Service PIN on their device

#### Digital Sending:

- Added the option to configure the device to actively prompt users for the job Notification Settings once they hit the start button but prior to initiating the scan
- Control Panel changes to support configuration of Furigana field when adding or editing an address book entry and changes in the Address Book Details screen to display the Furigana data.

#### Analog Fax:

- Added the ability to configure default notification behavior for all applications to "Print" notification on job failure and to include.
- Added the ability to select, edit, import, export and search a list of 1000 Fax Speed Dial where each Speed Dial supports a list of 210 destinations

#### Embedded JetDirect:

- No New Updates

## **FIXES:**

### Security/Authentication:

- No New Updates

### Base:

- May fail to wake from sleep when device is setup to wake (turn on) on a wake schedule.
- You may see "Invalid USB device is attached. Please remove it" when using certain USB Card Readers.
- You may see a 49.4A.04 error when printing certain PDF files.
- You may see an extra blank page printed after sending raw PCL code to the printer.
- When stapling is requested within the print driver you may see the first page separated from the remaining job which is stapled.
- The EWS exported view of the Job Log does not match what is on screen.
- Job Status menu is not able to be locked down in the Security/Access Control

### Digital Sending:

- No New Updates

### Analog Fax:

- You may see a 49.38.07 error on the control panel with Fax Archiving ON.
- The process of Importing Speed Dials is slow and increases exponentially with the number of records imported.
- You may see "No Fax Detected(17)" more often with certain environments.
- Deleting All Fax Speed Dials within the EWS may take more than an hour.
- Fax Quick Set configuration is not possible through the EWS.

### Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20140129

	Firmware Revision: 2302600_430615
Embedded JetDirect:	JDI23230004
DC Controller:	0.23
CPB	2.141k
SCB	xxxxFA1403AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver10.7
HP Fleet Release Designation	FutureSmart Bundle Version 3.2.2

The following new functionality or fixes are FutureSmart Level 3 only features and are provided by this firmware release:

Firmware Datecode: 20131122

Firmware Revision: 2302243\_421975

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2

## **ENHANCEMENT:**

Base:

- An image preview of a Stored Job will be provided on the control panel before printing the Stored Job.

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- Added support for NFC and Tap to Print



## **FIXES:**

Base:

- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

The following new functionality or fixes are FutureSmart Level 2 and 3 features and are provided by this firmware release:

Firmware Datecode: 20131122

Firmware Revision: 2302243\_421975

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2

## **ENHANCEMENT:**

Security/Authentication:

- Job Data encryption using AES-256 has been added on devices with Solid State mass storage (SSD). The default is AES-128.
- Secure storage of all externally exposed passwords has been updated to industry standard SHA-256 hashing and AES-256 encryption.

Base:

- The ability to display a custom display message when the device is inactive has been added.

- The Generate Debug Data feature is now available in the products Embedded Web Server.
- The maximum number of Stored Jobs has been increased to 300 to be compatible with the older Legacy devices.
- A Partial Clean can now be initiated from the products Embedded Web Server.
- Added additional SNMP values to conform to the Standard Printer and Host Resource MIBs.
- Time zones for Russia have been changed to reflect the time zones used in this country.
- This feature will help reveal dust and streaks when using the ADF by turning on and moving the scanner lamp.
- The Optimize speed energy usage values were provided so Web Jet Admin can configure these values.
- Error messages and codes have been improved
- The "Resend Upgrade" message will appear on the device if no firmware is on Backup/Repository partition.
- A reduction in the firmware bdl file sizes has been provided in this release. For some products this can be as high as a 50% reduction in size.
- This firmware release provides the ability to switch FutureSmart levels. It is only supported on device that ship with FutureSmart Level 2. Documentation is available on [www.hp.com](http://www.hp.com) to learn more about this feature. Steps to perform the level switching are provided in this readme file.

#### Digital Sending:

- Support for Furigana characters in the address book is added in this release
- It is now possible to include a single LDAP attribute in a custom folder path for Save to Network Folder
- Support for import/export address book folder information is added in this release. This provides backward compatibility with legacy LaserJet products
- Importing and Exporting of Custom Address Books is now supported.
- The OCR language can now be configured in quick sets
- This release adds information to allow more complete DSS 5 job logs

#### Analog Fax:

- Fax send and receive settings can now be configured separately. For example received faxes can use embedded analog fax and sent faxes can use LAN Fax

#### Embedded JetDirect:

- Scan to email does not use TLS
- Now able to enable/disable wireless direct print through a web service call

## **FIXES:**

### Security/Authentication:

- In the Embedded Web Serve when setting/clearing the admin password using the wizard (Networking>Settings>Wizard), the changes do not show up under the admin password under Security>General.
- An unexpected error may occur when importing an email signing certificate
- A SSL certification may fail
- Memory leak can be seen when SSL fails a connection

### Base:

- You may see the device power cycles during a pull print process.
- When using AirPrint the printer may drop out of the available printer list.
- An ePrint document sent to the printer will always prompt to load paper despite the correct paper size being available in other Trays
- Printer hangs when using Parallel to USB cable
- Encrypted job storage jobs (from driver settings) do not delete after power cycle
- Color usage control via group permissions may not work correctly
- e-Print not be able to communicate with HPePrintCenter.com, Registration process timeout. Please try again.
- "The issue occurs when you press the copy button on the UI. A ""Status"" pop-up occurs that informs the operator 'To set up next job, touch ""OK""'. At the bottom of this screen there are 3 buttons, with the middle one as the ""OK"" button.
- In the Spanish version it says 'Para conf. sig. trabajo, toque ""OK""' however on the 3 buttons at the bottom of the screen there isn't a button labeled OK. What should be the OK button is labeled 'Aceptar'
- Device is displaying copy screen in the presence of a FIH device with no credits and it does not change the credit state when a credit is added.
- First copy of 10 page Ledger job does not staple (first job after boot)
- A Stored Job image preview may be inverted when previewed.
- Copy and Fax icon may have a black circle outline on the homescreen.
- Image preview may have a blank gray area on the screen.
- If access doors on the device are opened during the boot process the device may not allow printing or copying until the doors are opened or closed again.
- You may see a crash when importing an empty csv file.
- May not be able to enlarge an image more than 200%
- email address of printer is missing from Control Panel
- Device does not report a jam 31.13.13 when top cover is slightly open.
- An "Out of Space" message or a blank firmware revision string may be seen when loading a firmware image after a attempt with a corrupted image.

- An intermittent 49.38.07 may occur when upgrading Firmware via WJA when DSS is installed.
- You may see an engine crash while checking the status of the jobs in the Job Status->job log
- When trying to scroll vertical within a text box with a control panel swipe causes the whole screen to swipe.
- A 8 second delay may be seen with a Reverse DNS lookup request
- You may see a 41.3 unexpected paper size error when sending a print job with the settings Any Size and a specific Media type.
- When logged into the Service Menu and clicking on various menu options the of information box contents are out of sync.
- You may see a complete job not print when selecting to override the original media type selected by the print driver.
- A 49.38.07 may be seen on the control panel when switching between embedded and DSS send to email.
- A 49.2F.CC is seen on the control panel when performing a manual feed copy job
- Device may lose customer configured settings
- Device may randomly loose settings

#### Digital Sending:

- You may see errors with SMTP over SSL with some SMTP servers using port 465
- The selection to allow invalid email address formats may not properly
- It may be possible to save an invalid UNC path in a Send to Folder quick set without getting a warning message
- The job log may indicate an invalid To: email address when the actual problem was an invalid From: email address
- Email job notification for Send to Folder may contain an incorrect value for ParentID
- A confusing warning message may appear when attempting to change the file type when it is configured as Not User Editable
- Selecting Finish multiple times may result in multiple entries of SMTP servers
- When defining Send to Folder quick sets via DSS (does not apply to DSS 4.25) a confusing error message may be displayed if a duplicate folder name is entered
- A Popup error message is appearing when Settings are not applying when enabling Email via DSS.
- Send to network folder fails with "Specified Network Path Does Not Exist".
- Send to DFS would fail due to a BAD ACCESS response being handed back by NetApp Filers as intermediate referral points during DFS referral resolution.
- Quickset job continues after selecting Job Cancel on Original Size selection prompt and 1-1 or 2-2 (simplex or duplex) selection prompt.
- Address book - sort order is not based on Furigana field for Japanese contacts
- Address book entries without Furigana should are not listed first.
- You may see scan settings/original size textbox value is changing to Letter instead of Any size.

- Pages already scanned may be missing after a 30.13.00 error occurs.

#### Analog Fax:

- Failed fax results in a 49.38.03 crash when Autosend is enabled
- If the Device Name is changed from the default setting the new Device Name may not show correctly in Fax email notifications
- Biscom LANFax notification file may not be deleted when sending via DSS 5
- The Fax Accessory configuration page may incorrectly show Modem Status as "Non-operational/Enabled"
- Fax notification for LAN/Internet Fax may be confusing when the job contains only blank pages and Blank Page Suppression is enabled
- User Name may be missing from Fax email notification
- When a fax job is canceled from the Fax preview window the Preview button and Resolution Description will be missing from the Fax home screen.
- The notification email for a LANFax job may incorrectly indicate a zero page scan count
- With this release users may enter alphanumeric characters for blocked fax numbers. Previously only numeric characters were allowed.

#### Embedded JetDirect:

- WJA cannot configure "Use Stateless DHCP when Manually Configured"
- TCP acknowledgements are delayed or not sent
- Wireless networking does not correctly attach to new Access Point with same SSID (WPA)
- Print and other TCP connections may be interrupted by Auto-Off
- The counter Job-media-sheets is reported incorrectly

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20131122 Firmware Revision: 2302243_421975
Embedded JetDirect:	JDI23200024
DC Controller:	0.18
CPB	2.141h
SCB	xxxxFA1342AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.25
Fax	Ver10.4
HP Fleet Release Designation	FutureSmart Bundle Version 3.2

## **FIXES AND ENHANCEMENTS PROVIDED WITH PREVIOUS FIRMWARE REVISIONS:**

NOTE: ALL IMPROVEMENTS WITH PREVIOUS REVISIONS OF FIRMWARE ARE INCLUDED WITHIN THE MOST CURRENT REVISIONS

The following new functionality or features are provided by this firmware release:

Datecode:

Firmware Datecode: 20130729

Firmware Revision: 2300333\_378007

### **ENHANCEMENT:**

Base:

- A new message has been added to inform a user that a MICR toner cartridge is installed when the device is configured with FIH.
- Added the ability to run a scan diagnostics while in scan error state.
- SNMP page counters were added:

Object Name

OID

Description

PRINT-METER-EQUIVALENT-IMPRESSION-COUNT.1

1.1.16.1.44.1.1

A4/Equiv Mono Print Impression Count

PRINT-METER-EQUIVALENT-IMPRESSION-COUNT.2

1.1.16.1.44.1.2

A4/Equiv Mono Copy Impression Count

PRINT-METER-EQUIVALENT-IMPRESSION-COUNT.3

1.1.16.1.44.1.3

A4/Equiv Mono FAX Impression Count

PRINT-METER-EQUIVALENT-IMPRESSION-COLOR-COUNT.1

1.1.16.1.44.2.1

A4/Equiv Color Print Impression Count

PRINT-METER-EQUIVALENT-IMPRESSION-COLOR-COUNT.2

1.1.16.1.44.2.2

PRINT-METER-EQUIVALENT-IMPRESSION-COLOR-COUNT.2

1.1.16.1.44.2.2

PRINT-METER-EQUIVALENT-IMPRESSION-COLOR-COUNT.1

1.1.16.1.44.2.1

A4/Equiv Color Print Impression Count

PRINT-METER-EQUIVALENT-IMPRESSION-COLOR-COUNT.2

1.1.16.1.44.2.2"

- EU products will have lost the ability to disable sleep to meet Blue Angel certification
- Backup and Restore scheduling has been removed from the control panel to enhance reliability and eliminate complexity.
- A "Bin Full" message and a Jam message occurring at the same time could result in a Bin Full message being displayed instead of a Jam message, even after the bin was emptied.
- WJA could not set the Time Zone in previous releases
- The remote configuration password that can be set in the Embedded Web Server is not being restored when Back Up and Restore is performed with a restore that includes the Password.
- Default "From:" address can now be specified for Email alerts and AutoSend
- The Initial Settings icon can now be removed by remote management applications
- Support Search Capability within Address Book
- Prompt user for original size if the flatbed scanner cannot determine the size when Auto Detect is set.
- Enhancements to meet new Blue Angel and Energy Star requirements.
- Added AirPrint 1.2 IPP Support
- Added AirPrint 1.2 Bonjour Support
- Auto Detect will be enabled for Flatbed scans when the original size is set to any of the "Mixed" size options
- Original Size settings of Mixed A4/A3 and Mixed Letter/Ledger are added for Copy and Scan/Digital Send. These settings apply to originals fed from the ADF, as does Mixed Letter/Legal
- Added Book Mode which allows the device the ability to scan pages from a book by using the scanner glass and aligning the spine of the book with the markings on the edge of the scanner. The scanner will separate the left and right sides of a book into separate pages.
- Added 2 sided ID Scan which allows the device the ability to scan both sides of a small document and place both images on one page.
- An unregistered USB device can now be added before the solution is loaded
- Added the ability to manually adjust the control panel Display Brightness.

#### Digital Sending:

- Username field in LANFax metadata can now be populated with the user's LDAP Display Name
- When a digital send job is broken into multiple files, the naming convention was Filename\_1-3.ext, Filename\_2-3.ext, Filename\_3-3.ext. Oz firmware uses the convention Filename\_01\_of\_03.ext, Filename\_02\_of\_03.ext, Filename\_03\_of\_03.ext. FutureSmart firmware now uses the same naming convention that OZ firmware uses.
- The global setting of "Allow invalid email address formats" did not apply to many EWS configuration items. With this release, the global setting applies to quick sets as well as control panel input

#### Fax:

- Fax Archive now supports PDF and PDF/A file types in addition to MTIFF
- Added the ability to import OZ firmware address boots into a FutureSmart printer

#### Security/Authentication:

- Support for SHA-256 hashing introduced to meet regulatory requirements including NIST Special Publication 800-131a requiring SHA-256 hashing for digital signature generation.  
Support for TLS 1.1 and TLS 1.2 protocol introduced. TLS 1.2 provides enhanced security and support for SHA-256.  
IMPORTANT NOTE: If TLS 1.0/SSL 3.0 is disabled, both the Client (web browser) and Server (MFP) must enable support for TLS 1.2 or EWS communication will be DISABLED. Most web browsers do NOT support TLS 1.2 by default.  
IMPORTANT NOTE: No TLS 1.2 support for HP Web Jetadmin, HP Imaging & Printing Security Center and HP Digital Sending Software until Fall 2013.  
Disabling TLS 1.0/SSL3.0 will disable compatibility with these solutions.  
IMPORTANT NOTE: SNMP version 3 support for AES-128 and SHA-1 introduced in this firmware version. No HP Web Jetadmin support for SNMPv3 AES-128 and SHA-1 until Fall 2013. Enabling these options will disable compatibility with HP Web Jetadmin."
- The Printer Job Language (PCL) Device Access Command Enable/ Disable setting determines if the device accepts PCL device management commands.  
Clearing the checkbox disables PCL device management commands and provides additional security by preventing unauthorized modification of device settings.  
PCL Device Access can be disabled by WJA, EWS and IPSC (Imaging & Printing Security Center).
- Firmware bundles digital signed using SHA-2 hashing algorithm to meet new regulatory requirements in NIST Special Publication 800-131a.
- The DOMAIN field for MFP send to network folder quick sets configured to use the credentials of users signing in at the device control panel is now able to be configured through web services.
- SMIME Encrypted E-mail now uses FIPS-140 validated encryption libraries
- The smart card edge type can now be configured through web services

#### Embedded JetDirect:

- The printer can now directly register its hostname and domain with DNS, compliant with RFC 2136.
- When optional network interfaces are installed, the primary interface for Digital Sending and Solutions will remain the embedded wired interface.
- The printer can now directly register its hostname and domain with DNS, compliant with RFC 2136.
- Expanded support for Kerberos encryption types used with IPSec has been added, to provide parity with Kerberos in Windows Server 2008 environments



- Support for SHA-256 hashing and AES-256 encryption introduced to meet regulatory requirements including NIST Special Publication 800-131a requiring SHA-256 hashing for digital signature generation. Passwords encrypted with AES-128 are automatically re-encrypted with AES-256 during the firmware upgrade.
  - DNS SRV and TXT responses are now cached
  - Jetdirect now includes a UTC timestamp in CCC log messages
  - An option to verify the server certificate when pulling print jobs from a server using IPP/IPPS has been implemented
  - Special ASCII characters are now supported in the WEP password
  - TLS 1.2 can be used for outbound connections.
- IMPORTANT NOTE: If TLS 1.0/SSL 3.0 is disabled, both the Client and Server must enable support for TLS 1.2.

## **FIXES:**

### Base:

- Stored Jobs show Job owner as Guest in job log after job has been retrieved from memory
- Speed of launching functions from the home screen is improved in this release
- The "Start Button" on the control panel may occasionally not respond well
- When creating a Copy Quickset the summary is displaying a wrong information for the Paper Selection option
- Stop button in service tab gets grayed out when we create a jam and try to execute continuous Scan test
- "Any Size" for tray 2 and greater is missing from the menu. - breaking backward compatibility
- Pushing the start button multiple times for a personal stored job results in multiple copies being printed.
- SCB fan error reported is incorrect. It reports as 30.01.05; the correct error is 30.01.06.
- Downloading Fonts causes 49.38.0C
- Font Source reverts back to Internal after reboot
- When setting up eprint, any document that prints is looking for tray 1 so the printer requests paper in Tray one and job will not print until someone goes to the device and selects a different tray(tray 2) or loads paper in the side tray(tray 1).
- You may see a print job that is printed successfully but the Job Status is displayed as "Failed" when using the Macintosh driver.
- User Defined types are not getting updated in UPD after enabling VIA EWS pages
- "Wake/Auto On to These Events" options are disabled when the Sleep Mode/Auto Off After... mode is disabled
- The Help screen, accessed by pressing the ?, for the Configuration/Status display omitted some items
- In certain languages the Scan Status dialog shows truncated messages.

- Device will wake up if a sleep schedule has been set and the device was already asleep
- Setting the @PJL DEFAULT LANG variable on FutureSmart devices does not permanently change the device language
- After adding an output device the unit does not recognize a J-font encrypted USB.
- You may see a hang in the 2/8 boot up stage if the Sleep Timer Setting is set to wake on a Network Port Event and printer has been in sleep mode.
- Invalid values are getting saved in Date/Time screen, without throwing an error message to the user.
- When accessing the login screen, pressing a specific sequence of text boxes, dropdown arrow, and Enter key may result in incorrect Enter key behavior
- Some EWS Help pages are missing with Norsk, Portugues, and Slovenscina localizations
- Job Log export prompts in EWS may not be localized to browser language
- If more than 100 quick sets are configured, it may be impossible to remove individual quick sets
- SMTP server priority may be different for Send to Email, Alerts, and AutoSend. With this release they are synchronized (all the same)
- Some control panel help messages may not be localized
- You may experience a 49.38.07 error when using Save to USB if the USB device is full
- A warning message about re-ordering quicksets may be missing
- Backup and Restore –Backup may fail with IO Exception error message when a user tries to Backup to USB thumb drive with an insufficient space.
- Fax Polling may appear on the EWS General > Control Panel Customization page when an analog fax card is not installed
- Romaji to Hiragana-Katakana-Kanji auto-change system is unintuitive for Japanese users on FutureSmart devices
- Image Preview mode does not work when Job Build mode is also enabled.
- Button titles with a &, <, >, ?. or ; will trigger the device to use authentication even though it is not set to use authentication.
- Device increments time by 1 hour when "Save" (CP) or "Apply" (EWS) are clicked within Date/Time configuration followed by a reboot
- English virtual keyboard displayed during authentication with device set to Spanish keyboard
- EWS Network Folder Tab Performance may be improved in this release, depending on previous firmware version
- Quick Set Setup takes longer than expected to load
- Address Book EWS page is taking longer than expected to load in the first access and longer to be saved
- Keyboard layout may be incorrect in some languages
- You may see a 49.38.18 error when pressing the Cancel button from the Manage Tray menu.
- You may see a calibration hang when trying to process another job.
- You may see a User Interface Hang after a Scanner to USB job was performed.
- Printer may hang while trying to come out of sleep mode.

- USB port insertion will now wake the device from Sleep

#### Digital Sending:

- LANFax credentials randomly are cleared, resulting in 49.38.03 or 44.91.08 errors
- Improved handling for error messages sent from non-Windows operating systems during send to network folder digital send jobs
- The EWS Speed Dial list may load slower than normal
- Control panel Help for File Options erroneously shows Document File Type Help
- The EWS may become unresponsive when importing more than 1000 User Access codes
- LDAP server filter condition may erroneously allow the & character
- When authenticating via DSS, and feature are configured to use DSS, you may see situations where authentication to the device works, but access to features is denied
- A warning message may be missing when configuring signed email quick sets and Authentication is not enabled
- Email notifications sent for Save to SharePoint digital send jobs requiring Smart Card authentication will incorrectly display the email user ID with two @ symbols
- "Guest" user may be missing in the Job Log for Save to USB jobs
- Print Notification may be grayed out at the control panel for digital sending if an SMTP server is not configured.
- Fax resolution or Digital Sending file type may be cut off on the control panel display.
- Using DSS 4.25, email notification does not indicate that encrypted, searchable PDF is not supported
- With Send to Folder configured for Restrict access to subfolder, a second user may not be able to create a new subfolder based on their credentials
- FutureSmart devices have a difficult time accessing Send to Folder when 50+ Quicksets exist
- The Send to Email application may incorrectly include the default From address from the EWS (instead of Local Device PIN ID) when Local Device PIN authentication is configured
- Digital Sending metadata scan count included blank pages when Blank Page Suppression was enabled. Metadata scan count now matches the number of pages in the output file.
- The timeout value for sending a test email to an SMTP server is reduced from 10 minutes to 1 minute in this release
- When using DSS 4.91, configuring a second folder destination with an invalid path may cause a 49.38.18 error on the device. This does not apply to DSS 4.25.

#### Fax:

- Faxes may not print due to unknown compression formats. This release improves performance by trying JBIG compression for unknown formats. In cases where that does not work the fax status will be set to Fail.
- Incoming fax call may not be answered on some VoIP systems. This fix was implemented for an Avaya system.
- A Fax Archive to folder may cause a 49.38.03 error
- "Rings to Answer available settings would be consistent between EWS and CP.
- CP shows a max of 6 rings
- EWS shows a max of 5 rings
- "
- T.30 report may print with incorrect localization when initiated by the EWS if EWS and Control Panel are set to different languages
- Previously configured Lan Fax settings are missing in the Embedded Web Server after being removed from DSS
- Thumbnail does not show the rotated image in fax failure notification.
- With the Fax Output Bin set to Automatic, the setting may incorrectly indicate a value of -1
- Sending LanFax jobs via DSS using Biscom service results in invalid delivery notification processing on the device

#### Security/Authentication:

- 3rd party solutions could unexpectedly stop working after a 3rd part developer's signing cert expires. This version of firmware resolves this failure by checking any timestamp that is available for validity.
- The device Remote Configuration Password credentials incorrectly allow access to the EWS configuration interface. The Remote Configuration Password is used by remote configuration tools including HP Digital Sending Software and HP Web Jetadmin to connect to the device.

#### Embedded JetDirect:

- Digital Sending and Solutions are routed to optional network interfaces when they are installed instead of using the embedded wired interface."
- Text entered in the "Product Support URL" and "Technical Support URL" fields in the device web pages were not filtered to eliminate HTML commands.
- The front control panel is not wrapping the text when the printer is in a wireless configuration mode.
- The Web Proxy cannot be disabled via EWS
- Device loses the IP Address for both wired and wireless when IPv6 is disable and enable via the EWS
- IPSec Aggressive mode is not working

Current firmware revisions included in this firmware bundle:

## DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20130729 Firmware Revision: 2300333_378007
Embedded JetDirect:	JDI23000013
DC Controller:	0.18
CPB	2.120g
SCB	xxxxFA1319AR 1.0
HCI Tray Version	0.103
Optional Tray Version	3.103
Stapler Stacker	MT01.24
Fax	Ver10.4
HP Fleet Release Designation	FutureSmart 2 SP3

The following new functionality or features are provided by this firmware release:

Datecode:

Firmware Datecode: 20121208

Firmware Revision: 2201057\_231933

## ENHANCEMENT:

Base:

- A virtual Hebrew keyboard is now selectable
- The printer will now have the ability to retain Personal Jobs after a power cycle.
- When cancelling a print job within a queue the currently printing job is now highlighted, making it the default job to be cancelled.
- The device will no longer enter sleep mode if the user is interacting with it.
- Behavior of job build when the Inactivity Timeout expires can now be configured (cancel entries or attempt to act on what has been scanned)
- The Retain Settings for Next Job checkbox can now be checked by default
- Support is added for the HP CalcPad 100 numeric keypad
- Behavior of the Inactivity Timeout is now configurable. Previously values between 120 and 300 were treated as 120.
- User Defined Media Type names that are changed via SNMP they are not updated in the Control Panel.
- Custom papers sizes are now supported with AirPrint
- The printer will now delete temporary stored jobs at the scheduled time regardless of the sleep state. Previously some sleep modes extended the expiration time for the job
- For Devices with two LED's the Ready Light will flash to indicate the device is receiving data. This behavior will mimic the behavior seen for a device that has a Data LED.

- Usage counts are now included in a Save/Restore operation

#### Digital Sending:

- Email address validation may now be disabled for user input
- Ability to perform send to folder on Novell shares with DSS
- An option to lock/unlock changes to "Default File Type" setting while performing Send to Folder is added in this release
- Ability to test with default FROM email address instead of test@hp.com
- This release adds support for newer Mac OS X Send to Network Folder functions.

#### Analog Fax:

- Ability to Print or Store incoming faxes when Fax is set to Archive only and archiving fails. This will prevent from faxes being lost.

#### Security/Authentication:

- No New Updates

#### Embedded JetDirect:

- JetDirect would not accept a certificate from an Intermediate Certificate Authority.
- JetDirect would disable networking if 802.1x authentication fails
- DHCP is not negotiated after a link break/restore.

### **FIXES:**

#### Base:

- The device will stay in "Processing" and not print any copies when the copy option of 2 or 4 pages printed on one sheet when the encoded entity font is installed.
- You may see a 49.38.07 error using HPAC with FutureSmart 2 SP 1.02
- When setting up the energy schedule you will see an incorrect localization for German days of the week.
- A 49.43.0F error may be seen on a FutureSmart product which has been configured with a SafeCom solution and / or possibly other access solutions and has been upgraded to FutureSmart 2 SP 1.
- You may see a 30.01.45 Scan Error when scanning back to back jobs.
- A 30.13.13 ADF Jam may display if the ADF cover is open and the device is awakened from sleep with the cover open.
- You may see the virtual keyboard layout is in a QWERTY configuration when signing in after the printer has been asleep with the French language set as the default language.
- You may not see the User name on Job Status menu when printing from Mac OS

- The incorrect translation is used for the tray open message when the language is set to Italian.
- The messages seen for the Start instantly upon selection and Enter application when user presses Start Quick sets are different when the device is first booted.
- During the initial Setup when German is selected as the display language and "German – Switzerland" as the Keyboard Language the values will be saved correctly for the display language, but the keyboard language will be set to "German – Germany" instead of "German – Switzerland".
- A "Restore Factory Settings" screen is presented when performing a restore from a Back Up.
- German language does not allow you to set the Adjust Tray 1 setting under the Image Registration menu
- After disabling AirPrint and IPPS in the Embedded Web Server the ePC displays "ePrint is off"
- A message including the following information appears on the control panel when removing the USB Flash Drive after a backup and restore:  
[[cExportBackupFileError]] and [[cRestoreFailure]]
- Using the job Interrupt may cause a job that is interrupted to hang or become unresponsive.
- In certain languages some control panel messages were clipped off.
- If power is removed from the device during the reboot process of a firmware upgrade a 49.38.07 may be displayed on the control panel.
- An Options Conflict message may be displayed twice on some screens.
- Job Status Paused message incorrect
- Destination path format in email notification for USB jobs may be confusing.
- A fax or send job may hang if the Scanner hatch is open and the Image Preview button is pressed.
- The Print Job list appears to have incorrect text
- Scan Calibration process prints the calibration page incorrectly if duplex settings are not at default.
- An SNMP walk may time out if a print job is printing during the walk.
- The Administration -> display settings -> key press sound menu is not localized in some languages.
- When changing the language at the Control panel using the Globe, certain settings for Date and time may not change to match the localization selected.
- Margin adjustments don't work well on a paper size override.
- "Jam in Document Feeder" attention message appears on the control panel even though the jam has been cleared.
- The device may not go to sleep when a ADF jam is encountered.
- Adjusted SNMP to mimic non-FutureSmart products for get command responses when invalid set commands are sent
- Performing very long copy jobs repetitively may cause a 49.23.01 error to be displayed
- You may see the incorrect supply being reported as unauthorized.
- Image loss may occur on near edge printing in some cases. The output can be different from different trays."

- The printer uses the wrong encoding (ROMAN 8) of the PML string, which is not capable to encode all symbols that are shown on EWS.
- After setting tray 1 to letter/plain, tray 1 prompts for legal during Scanner Calibration
- The Supplies Installed message behavior will change.
- A 49.38.0D error may be displayed after extended use of the product.
- The 33.03.01 and 33.03.02 event code have been added for the Save and Recover operation.
- If the drive is low on memory you may not see the ""Disk Low Threshold"" pop up message after a reboot."
- Order of Configuration pages is different between MPS's and Single Function Devices.
- Fixed an unlocalized authentication agent name string in security webservices
- Upgrading to this revision of firmware will keep the following message from appearing in the Embedded Web Server
- The operation failed because there is not enough available disk space.
- Firmware install times are improved with this release
- You may see a 30.01.41 when the printer enters a 1 watt sleep mode.
- The first page of a portrait oriented job may print in landscape orientation.
- The device may become unresponsive when in sleep mode.

#### Digital Sending:

- Scanning to an FTP destination takes more time to deliver the resulting images than scanning to HTTP destination.
- FTP Active mode not working as expected.
- Scan to folder performance is improved in this release
- Some embedded Save to Network Folder digital send jobs could get "stuck" in a processing loop when unrecognized Server Message Block (SMB) responses are returned to the MFP
- For embedded Save to Network Folder digital send jobs, support has been added for distributed file system environments that require referral requests to be preceded with a single backslash
- To and From fields do not populate appropriate addresses in send to me configuration
- While using 'Send to me' configuration, logged in user gets a prompt to add his/her own email address to address book.
- You may see a delay during the 'sending' phase of email or network folder jobs
- Email notification report may be missing information
- Send to folder fails to send with access verification turned off and an authenticated user signed in
- When send to folder is performed to create folder based on username, an additional folder %SECURTIY\_USERNMAE% is created as a side effect.
- Email addresses fail to autofill from the LDAP address book when LDAP addressing is configured by DSS, LDAP authentication is required, and the LDAP authentication is set to work using signed-in user's credentials.



- Using DSS, when accessing the address book for send to email you will see a progress bar while the system collects the addresses to display. This will most commonly happen when ldap address lookup is enabled.
- FTP failures intermittently occur as some FTP servers don't see QUIT command
- When using Send to Folder to a local DSS 4.25 folder, the Verify Access button may incorrectly prompt for credentials. The only issue is the Verify Access function. Jobs are sent correctly if the button is not pressed.
- Send to Folder via DSS 4.25 incorrectly prompts for credentials when connected via a 2700W Wi-Fi adapter

#### Analog Fax:

- LanFax email notifications may be delayed
- Locked Stored Fax folder can be accessed when switching control panel languages.
- Failed PC fax jobs do not get archived to shared folder / email.
- Call report not being printed when user cancels fax when receiving
- Fax Print Notification Page shows 'Other' instead of User name as 'Fax'.
- Fax Archiving and Forwarding feature is taking effect for the first fax Job after Archive or Forward settings are changed
- Fax sent is compressed vertically when original size is selected as mixed letter/legal
- Device cannot store more than 1500 fax jobs
- The device may go into an error state if a user deletes all images in Image Preview and sends a fax
- The device may go into an error state when a fax is cancelled while scanning with email notification enabled.
- Faxes received successfully but are not printed. The job shows the status on incoming faxes as 'Processing'
- When the MFP is in sleep mode an incoming fax wakes the device, but may not be received

#### Security/Authentication:

- No New Updates

#### Embedded JetDirect:

- Wireless Accessory (2700W) would not connect when moving between two Access Points using the same SSID but different WPA configuration, e.g. WPA personal with passphrase to WPA Enterprise with certificates
- Setting the IP address manually over the control panel fails intermittently.
- When announcing and registering with HP Imaging and Printing Security Center (HP IPSC), the printer neglects to verify the identity of the server.
- When using a 2700W Wi-Fi adapter the printer may hang if the router is power cycled

- The Interlock option is forced to ON causing network connections to remain open for an excessive time, until the print job completed.

Current firmware revisions included in this firmware bundle:

**DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20121208 Firmware Revision: 2201057_231933
Embedded JetDirect:	JDI22210020
DC Controller:	0.16
CPB	2.092k
SCB	xxxxFA1244AR 1.0
HCI Tray Version	3.103
Fax	Ver8.6A
HP Fleet Release Designation	FutureSmart 2 SP2

The following new functionality or features are provided by this firmware release:

Datecode:

Firmware Datecode: 20121009

Firmware Revision: 2201000\_231082

**ENHANCEMENT:**

Base:

- No New Updates – Original Release

Digital Sending:

- No New Updates – Original Release

Analog Fax:

- No New Updates – Original Release

Security/Authentication:

- No New Updates – Original Release

Embedded JetDirect:

- No New Updates – Original Release

## **FIXES:**

Base:

- No New Updates – Original Release

Digital Sending:

- No New Updates – Original Release

Analog Fax:

- No New Updates – Original Release

Security/Authentication:

- No New Updates – Original Release

Embedded JetDirect:

- No New Updates – Original Release

Current firmware revisions included in this firmware bundle:

### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP C LJ M775 Series	Firmware Datecode: 20121009 Firmware Revision: 2201000_231082
Embedded JetDirect:	JDI22210017
DC Controller:	0.16
CPB	2.092j
SCB	xxxxFA1238AR 1.0
HCI Tray Version	0.103
Fax	Ver8.6A
HP Fleet Release Designation	Original Release – FutureSmart 2 SP1.11

## Installation Instructions

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**NOTE:** Please be aware that an update in some circumstance may require ten minutes or more to complete.

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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. To print the configuration page:

1. Go to the printer's control panel.
2. Scroll down and select the **Administration** application.
3. Select the **Reports** menu.
4. Select the **Configuration/Status Pages** menu.
5. Select the **Configuration Page** option.
6. Select the **Print**.

On the printed Configuration page look in the section marked "Device Information" for the Firmware Datecode and Firmware Revision. The Firmware Datecode and Firmware Revision will look something like this:

Firmware Datecode: 20120808

Firmware Revision: 2200890\_229591

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.

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**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.

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## Additional information to know

The firmware file will be in the following file format "xxxxxxx.bdl" where "xxx" indicates the firmware file name and the ".bdl" 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)

Please visit the following link to a view video on this firmware upgrade method explained below.

**YouTube:** <http://youtu.be/Gv6OprEg7Es>

#### **Brightcove:**

<http://link.brightcove.com/services/player/bcpid1190528646001?bctid=REFIDBC3707096437001>

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**NOTE:** Please be aware that an update in some circumstance may require ten minutes or more to complete.

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After uncompressing the file you will see a xxxxxxxx.bdl file.

1. Open an Internet Browser Window.
2. Enter the IP address in the URL line.
3. Select the **Firmware Upgrade** link from within the **Troubleshooting tab**.
4. Browse to the location that the firmware upgrade file was downloaded to, and then select the firmware file. Select the Install button to perform the upgrade.

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**NOTE:** Do not close the Browser Window or interrupt communication until the Embedded Web Server displays the Confirmation Page.

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5. Select **Restart Now** from the EWS confirmation page, or turn the product off and then on again using the power switch. The printer will not automatically reboot.

Once the printer or MFP is back online, print a Configuration Page and verify that the new firmware has been installed.

#### **Pre-Boot walk-up USB thumb drive:** (control panel Pre-Boot menu)

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**NOTE:** Only to be used if the printer is not able to boot to READY

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After uncompressing the file you will see a xxxxxxxx.bdl file.

1. Copy the xxxxxxx.bdl file to a portable USB flash memory storage device (thumb drive). USB Flash Drives with a CD formatted partition may not be recognized by the printer. You may need to try a different USB flash drive.

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**NOTE:** USB Flash Drives that are not in a Fat32 format or having a CD formatted partition may not be recognized by the printer. You may need to try a different USB flash drive.

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2. Turn the printer ON.
3. Press the **HP** logo in the middle of the screen when you see the "**1/8**" under the logo.
4. Press the Down arrow to highlight **Administrator**, and then press the OK key.
5. Press the Down arrow to highlight **Download**, and then press the OK key.
6. Insert the portable USB storage device with the xxxxxxx.bdl file on it.
7. Press the Down arrow to highlight **USB Thumbdrive**, and then press the OK key.
8. Press the Down arrow to highlight the xxxxxxx.bdl file, and then press the OK key.

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**NOTE:** Please make sure the firmware file is located in the root directory of the flash drive. If you have more than one .bdl file on your USB flash drive, select the file you want loaded and press OK.

Please be patient since this may take up to 10 minutes to reboot.

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9. When the message **Complete** appears on the control panel display, press the Back button several times until you see the **Continue** menu, then press the OK key.
10. The printer will continue to boot to the Ready state.

Once the printer or MFP is back online, print a Configuration Page and verify that the new firmware has been installed.

### **Walk-up USB thumb drive:** (Standard control panel menu)

Please visit the following link to a view video on this firmware upgrade method explained below.

**YouTube :**

<http://youtu.be/IOsm1Z-dBJU>

**Brightcove:**

<http://link.brightcove.com/services/player/bcpid1190528646001?bctid=REFIDBC3707191411001>

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

1. Copy the xxxxxxxx.bdl file to a portable USB flash memory storage device (thumb drive).

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**NOTE:** USB Flash Drives that are not in a Fat32 format or having a CD formatted partition may not be recognized by the printer. You may need to try a different USB flash drive.

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2. Turn the printer ON.
3. Scroll down and select the **Device Maintenance** application.
4. Select the **USB Firmware Upgrade** menu.
5. Insert the portable USB storage device with the xxxxxxxx.bdl file on it into the USB port on the front control panel of the product.
6. Select and highlight the xxxxxxxx.bdl file you would like to use.

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**NOTE:** If there is more than one xxxxxxxx.bdl file on the storage device, make sure that you select the correct file for this product.

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7. Select the Upgrade button on the bottom of the screen.
8. Next select the Upgrade, Re-install or Downgrade depending on the task you want to complete that the firmware install will start.

When the upgrade is complete, the printer will reboot automatically.

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**NOTE:** The upgrade process may take 10 or more minutes to complete. Please do not interrupt the updating process.

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Once the printer or MFP is back online, print a Configuration Page and verify that the new firmware has been installed.

### **Web Jetadmin** (Supported with version 10.2 SR4 or newer)

Please visit [www.hp.com](http://www.hp.com) and type "Web Jet Admin" in the "Search" Box to find more information about new releases of Web Jetadmin and the release note information for those releases.

#### Upgrading Firmware:

1. Start Web Jetadmin 10.2 SR4 or newer
2. From the "Device Management" section, select "All Devices" (or the appropriate device group). An "All Devices" list will appear in the center window.
3. Find your device in the list, or type the IP address of the device in the Quick Device Discovery section in the lower-left of the screen (this will highlight your device in the device list). You can sort the device list by clicking on a column name at the top.
4. If your device list is sorted by model number, you may select multiple devices with the same model number by Control-Click or Shift-Click.
5. Right-click on the device and select "Upgrade firmware...".

6. An Upgrade Firmware window will appear. Select "Device firmware" and click "Next"
7. A list of available firmware will appear. If the correct version is listed, click "Next", and the upgrade process will start.

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**NOTE:** If the correct firmware version does not appear within the list, you will need to manually upload it into WJA. New firmware may be available on an FTP site prior to appearing on hp.com. The instructions below allow you to upload a firmware file from your local PC to WJA 10.2 SR4 or newer

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Uploading new firmware files into WJA:

1. Click on "Firmware/Firmware Repository" in the "Device Management" pane
2. A "Firmware Repository" window will appear in the center of the screen
3. Click on "Upload" in the upper-right of the window
4. Browse to the .bdl file on your local PC
5. Click "Upload"
6. Once the .bdl file is uploaded, go back to step 2 in the first section and complete steps 2 through 6.

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**NOTE:** Do not turn printer off during the update process! When the update process is complete, the printer will automatically reboot. If the firmware update process fails, Web JetAdmin will provide notification with a page (screen) of information regarding the reason(s) for failure. A link will be provided to attempt the process again.

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## FutureSmart Level Switching Procedures

### Embedded Web Server (EWS)

Please visit the following link to a view video on this firmware Level Switching method explained below. **YouTube address:** <http://youtu.be/Cdn8AKj75vc>

1. Open an Internet Browser Window.
2. Enter the IP address of the device in the URL line.
3. Select the **Firmware Upgrade** link from with the **General tab**.
4. If you do not see the **Change HP FutureSmart Level** section you will need to update the firmware to a version of firmware that supports level switching.
5. Choose the level of firmware you want the device to be on and then click the **Change** button.
6. On the Confirmation window click **Change** again and the device will reboot.
7. Once the device is back online, print a Configuration Page and verify that the new firmware level has been installed.



## Device Control Panel

Please visit the following link to a view video on this firmware Level Switching method explained below. YouTube address: [http://youtu.be/\\_T5IMJxT4TQ](http://youtu.be/_T5IMJxT4TQ)

- 1) Scroll to the **Device Maintenance** menu on the control panel. On non-touch sensitive screens, you will need to press the **Home** button and then scroll down and select the **Device Maintenance** menu.
- 2) Select the **HP FutureSmart Level** menu.
- 3) Select the **HP FutureSmart Level** version number (i.e. FutureSmart Level 3 or Future Level 4)
- 4) Select the **Change** button.
- 5) On the Confirmation window select **Change** again and the device will reboot.
- 6) Once the device is back online, print a Configuration Page and verify that the new firmware level has been installed.

## Web Jet Admin

Please visit the following link to a view video on this firmware Level Switching method explained below. YouTube address: [http://youtu.be/\\_XRUoNTjtfM](http://youtu.be/_XRUoNTjtfM)

1. With HP Web JetAdmin 10.3 SR4, you can view the current HP FutureSmart level and change the HP FutureSmart level if the device has HP FutureSmart 3 or later installed.
2. Non-HP FutureSmart devices always display Not Supported for the HP FutureSmart level.
3. HP FutureSmart devices display a value instead of Not Supported if they have at least HP FutureSmart 3 installed and if a selection for the HP FutureSmart level can be made. For example, when the HP LaserJet M806 device was introduced, HP FutureSmart Level 3 was available and was the initial firmware for the device. The device cannot be set to a lower version. Therefore, HP Web JetAdmin shows Not Supported for the HP FutureSmart level of this device until a newer version is installed on the device.
4. The FutureSmart Level configuration option is available from the Device category on the Config tab
5. Use the FutureSmart Level configuration option to specify a number for the HP FutureSmart level that is available in the firmware that is currently installed on the device.
6. HP Web Jetadmin displays the range of HP FutureSmart levels that the device supports. If you enter a number outside of the range that the device supports, HP Web Jetadmin automatically changes the version number to the nearest minimum or maximum level that the device supports.
7. After changing the HP FutureSmart level, the device restarts automatically.

## **System Requirements**

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

## **Technical Assistance**

Some of the services below are provided for the United States only. Similar services to those listed below are available in other countries. See your printer's user guide or call your local authorized HP dealer.

## **Customer Support**

See your printer's user guide or call your local authorized HP dealer.

## **Internet**

An anonymous FTP library service is available worldwide for around-the-clock access to drivers and technical support information for HP peripheral and computer products.

Please note that paths may change without notice. Access the Internet or FTP address and use the menus to locate the software or support of your choice.

## **URL for HP Color LaserJet M775 MFP Series Support:**

URL for Firmware downloads:

[www.hp.com/go/lj700colorMFPM775\\_software](http://www.hp.com/go/lj700colorMFPM775_software)

URL for Support:

<http://www.hp.com/go/support>

URL for Access HP: <http://www.hp.com>

FTP address: <ftp.hp.com>

Login: anonymous

Password: your Internet email address

## **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**

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