

HP Color LaserJet M6040/M6030 Firmware Readme

Product name(s): • HP Color LaserJet M6040 MFP • HP Color LaserJet M6040f MFP
• HP Color LaserJet CM6030 MFP • HP Color LaserJet M6030f MFP
Model Number(s): Q3938A, Q3939A, CE664A, CE665A

This document contains information for the firmware revision:

Firmware Datecode: 20170831

Firmware Revision: 52.390.1

HP Fleet Release Designation: CPE 17.1 and any previous versions if applicable.

IMPORTANT NOTE:

“This firmware version includes code signing verification functionality. Firmware signed by HP guarantees the integrity and authenticity of the code; meaning that the firmware was produced by HP (authenticity) and that the firmware has not been altered in any way (integrity). ”

ATTENTION: Once this firmware has been applied to your printer or multifunction device it **CANNOT BE DOWNGRADED** to a firmware version earlier than **20120119 52.191.2**

NOTE: ALL ENHANCEMENTS, FIXES/IMPROVEMENTS WITH PREVIOUS REVISIONS OF FIRMWARE ARE INCLUDED WITHIN THE MOST CURRENT REVISIONS. Documentation on previous releases follows information on this release.

Note: Since CPE 11.4 (20120301 52.200.4) onwards, a new field **‘Authentication/Security’** has been added to classify embedded authentication and security related enhancements and fixes, which were classified under ‘Base product’ in the earlier revisions.

Description

- What is included in a Remote Firmware Bundle (RFU)?
- Who needs this firmware?
- Determining the current version level of your firmware.

Enhancements and Fixes provided with this firmware revision

Enhancements and Fixes provided with the previous revision(s)

Installation Instructions

- Updating firmware to a single device.
- Using FTP from Internet Explorer.
- Updating firmware using “HP Easy Firmware Upgrade” utility.
- For Windows Systems:
 - Using Command Prompt

- Using USB
- Using FTP
- For Unix Systems
- For Macintosh Systems
 - Mac OS X System Terminal Application (ftp).
 - Remote firmware upgrade using HP Printer Utility.
- Using HP Web Jet Admin 7.X or 8.X
- Using HP Web Jet Admin 10.X

Expected device messages during an update

Troubleshooting a Firmware Update

System Requirements

Technical Assistance

Legal Statements

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.

What is included in a Remote Firmware Update (RFU)?

The HP LaserJet Printer Remote 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:

1. Go to the printer's or MFP's control panel.
2. Press the "Administration" Icon on the touch screen.

3. Select the "INFORMATION" selection on the touch screen.
4. Select "CONFIGURATION/STATUS PAGES".
5. Select "CONFIGURATION PAGE".
6. Select the "Print" button.

On the printed CONFIGURATION page look in the section marked "Device Information" for the firmware date code. The firmware date code will look something like this: **20040322**
07.000.0

Enhancements and Fixes provided with this Firmware revision
20170831 52.390.1 CPE 17.1

ENHANCEMENTS:

Base Product:

- No new updates.

Embedded Digital Send:

- No new updates.

Authentication/Security:

- No new updates.

Fax:

- No new updates.

Embedded JetDirect:

- No new updates.

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues:

Base Product:

- No new updates.

Embedded Digital Send:

- No new updates.

Authentication/Security:

- This firmware addresses the following security issues: CVE-2017-11103 - Heimdal Kerberos before version 7.4 allows remote attackers to impersonate services with Orpheus' Lyre attack.

Fax:

- No new updates.

Embedded JetDirect:

- No new updates.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
LJ CM6040mfp Series Printers	20170831 52.390.1
Stapler Stacker/Mailbox (Q6998A)	[MT01.40 128 000]
Multifunction Finisher (Q6999A)	[MT01.40 128 118]
Embedded JetDirect	V.44.00.FF
Copy Processor Board	05.035 (0.0)
Scanner Control Board	KAU003 4.9
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.125 (5C)
HP Fleet Release Designation	CPE 17.1

Enhancements and Fixes provided with this Firmware revision
20170222 52.380.4 CPE 15.1.4

ENHANCEMENTS:

Base Product:

- No new updates.

Embedded Digital Send:

- No new updates.

Authentication/Security:

- No new updates.

Fax:

- No new updates.

Embedded JetDirect:

- No new updates.

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues:

Base Product:

- No new updates.

Embedded Digital Send:

- No new updates.

Authentication/Security:

- CVE-2016-2108 - ANS.1 implementation errors resulting in the “negative zero” issue.
- CVE-2016-2183 – 3DES TLS/SSL Birthday Attacks on 64-bit Block Ciphers (SWEET32) Vulnerability.
 - The 3DES protocol can now be disabled by setting Encryption Strength to “High” within the “Mgmt. Protocols” page under the EWS Networking tab. The 3DES protocol will remain enabled/active if Encryption Strength is set to either “Medium” or “Low” (which is the default value).

Fax:

- No new updates.

Embedded JetDirect:

- No new updates.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
LJ CM6040mfp Series Printers	<u>20170222 52.380.4</u>
Stapler Stacker/Mailbox (Q6998A)	[MT01.38 128 000]
Multifunction Finisher (Q6999A)	[MT01.38 128 118]
Embedded JetDirect	V.44.00.FF
Copy Processor Board	05.035 (0.0)
Scanner Control Board	KAU003 4.9
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.125 (5C)
HP Fleet Release Designation	CPE 15.1.4

**Enhancements and Fixes provided with this Firmware revision
20151017 52.312.2 CPE 15.1**

ENHANCEMENTS:

Base Product:

- Firmware now has the Report a problem feature enabled only through HP. Allows users to request for support from MPS via email.
- Upgraded the font library to the version 7.3.

Embedded Digital Send:

- Firmware now includes the ability to lock the send to network folder address using the "Edit the Send to Folder Path" item in the EWS Authentication Manager.

Authentication/Security:

- Security issue CVE-2014-3566 – SSLv3 POODLE (Padding Oracle on Downgraded Legacy Encryption) Vulnerability has been addressed.

Fax:

- Firmware now includes the ability to disable the fax module in the EWS.

Embedded JetDirect:

- No new updates.

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues:

Base Product:

- Webkit tries to use TCP connections that have been closed by the remote side, which ends up with several TCP retransmissions.
- Certain fonts are not printing correctly after firmware upgrade to the version 13.3.5.
- The Supplies Status message reverts to default setting "Show" though "Do not show" is set from WJA.
- Unable to delete the Private Jobs from WJA.
- New DCC firmware roll with fuser roller improvements.
- Error 49.4c02 is seen when accessing the Job status from control panel, when printing a Job having filename more than 20 Japanese characters.

Embedded Digital Send:

- Send to Network folder creates intermittent OKB pdf files within dfs environment.
- Unable to resolve specified Send to Network folder path due to CIFS timeout.

Authentication/Security:

- No new updates.

Fax:

- Fax forwarded to email have file format of PDF version 1.1 which cannot be viewed in the newer versions of PDF reader.

- Default billing code field has some invalid characters thus not allowing users to input the billing code.

Embedded JetDirect:

- If a DHCP server responds to a REQUEST with a NAK, the server will be ignored by the Jetdirect Client until it is rebooted. The NAK is sent by a server if the client requests an address that is not supported by the server; this happens if the client has moved to a new network and attempts to renew an address from the old network.
- Implemented DHCP option 144.
- Short default TTL value caused the product to use DNS lookup cache and overlook server IP address changes. This fix involved using the TTL value provided by the DNS server instead of a fixed default.
- Certificates signed with an MD5 hash are no longer accepted by the product and many popular applications. The product will automatically replace an internally generated self-signed MD5 identity certificate with a new self-signed SHA256 identity certificate so that it maintains compatability with current versions of popular applications.
- Fixed a problem where an "Invalid Credentials" error is returned for SNMPv3 I/O attempts.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
LJ CM6040mfp Series Printers	20151017 52.312.2
Stapler Stacker/Mailbox (Q6998A)	[MT01.38 128 000]
Multifunction Finisher (Q6999A)	[MT01.38 128 118]
Embedded JetDirect	V.43.97.FF
Copy Processor Board	05.035 (0.0)
Scanner Control Board	KAU003 4.9
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.125 (5C)
HP Fleet Release Designation	CPE 15.1

Enhancements and Fixes provided with this Firmware revision
20141229 52.262.7 CPE 14.2

ENHANCEMENTS:

Base Product:

- No new updates.

Embedded Digital Send:

- No new updates

Authentication/Security:

- Invalid authentication attempt now introduces a delay following unsuccessful authentication attempts when accessing stored jobs that are protected with PIN.
- The Default PIN option is made available for PIN Printing in UPD for Non-SEP devices.

Fax:

- No new updates.

Embedded JetDirect:

- No new updates.

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues:

Base Product:

- When installing SecureJet 7.0.5 with OXPd 1.6 enabled, the device will either crash with a 49.4c02 or the solution uninstalls itself.
- Custom status message set through HPAC, does not interleave with "Paused" message when device is paused.
- 49.DFFF error is seen when printing certain PDF files that contain non-English characters (e.g.: French, Italian, or German).
- When printing certain PDF files, user may experience "1200 DPI banner job not printed" error on the control panel screen, missing data and delay in between pages.

- Color Restriction doesn't work when set via EWS in Russian Language.
- Missing characters in the Embedded JetDirect Configuration page when using Korean language.
- Intermittently hostname changes to NPIxxxx and is also set to 'Read only'.
- 49.5F11 error seen when printing from Mac OS 10.7, 10.8 and 10.9 using InDesign CS 6 application.
- Unable to set the DNS value within WJA. In this case the IP address would work however there would be no load balancing for multiple time servers.
- Device hangs when printing mixed A4/A5 jobs.
- Intermittent Fuser wrap jams due to hardening/deterioration of fuser rollers.
- Device crashes when using the hard reset key to stop scan.

Embedded Digital Send:

- Long edge gets cropped with the default original size set as Mixed Ltr/Lgl while performing digital send jobs.
- When scanning a black and white document with default resolution set to 200 DPI and optimize picture\text set to 'text', scan to network folder job fails.
- Mixed A3/A4 Send to Network folder jobs are received as A3 size.
- Send to Email failure with Office365.
- There is a file size mismatch between the first and second pages with Job build turned on while performing digital send job.
- Scan to Email over SSL fails when using Gmail SMTP server.

Authentication/Security:

- User PIN Authentication was not available as a device configuration option.
- Device can encounter a 49.FF09 error during a Nessus vulnerability scan.
- Device can encounter a 49.FF04 error during a Nessus vulnerability scan.

- Telnet connectivity to device may be unavailable after a Nessus vulnerability scan.

Fax:

- No new updates.

Embedded JetDirect:

- No new updates.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
LJ CM6040mfp Series Printers	20141229 52.262.7
Stapler Stacker/Mailbox (Q6998A)	[MT01.38 128 000]
Multifunction Finisher (Q6999A)	[MT01.38 128 118]
Embedded JetDirect	V.43.82.FF
Copy Processor Board	05.035 (0.0)
Scanner Control Board	KAU003 4.9
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.123 (5A)
HP Fleet Release Designation	CPE 14.2

**Enhancements and Fixes provided with previous Firmware revision
20140723 52.256.1 CPE 13.3.5**

ENHANCEMENTS:

No new functionality or features are provided by this firmware release.

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues:

Authentication/Security:

- This firmware addresses the following security issue:
CVE-2014-0224 - SSL/TLS MITM vulnerability

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
LJ CM6040mfp Series Printers	20140723 52.256.1
Stapler Stacker/Mailbox (Q6998A)	[MT01.40 128 000]
Multifunction Finisher (Q6999A)	[MT01.40 128 118]
Embedded JetDirect	V.43.39.IR105906
Copy Processor Board	05.033 (0.0)
Scanner Control Board	KAU003 4.9
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.117 (54)
HP Fleet Release Designation	CPE 13.3.5

**Enhancements and Fixes provided with previous Firmware revision
20140505 52.254.2 CPE 13.3.2**

ENHANCEMENTS:

Base Product:

- No new updates.

Embedded Digital Send:

- No new updates.

Authentication/Security:

- No new updates.

Fax:

- No new updates.

Embedded JetDirect:

- No new updates.

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues:

Base Product:

- 49.4C02 errors may be seen when printing with UPD PS driver or via ftp.
- 49.4C06 errors may be seen when printing with UPD PS driver.
- 49.4C02 errors may be seen when printing certain PDF files.
- A 49.4C02 error may be seen when printing certain web pages.

Embedded Digital Send:

- No new updates.

Authentication/Security:

- 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
LJ CM6040mfp Series Printers	20140505 52.254.2
Stapler Stacker/Mailbox (Q6998A)	[MT01.40 128 000]
Multifunction Finisher (Q6999A)	[MT01.40 128 118]
Embedded JetDirect	V.43.39.FF

Copy Processor Board	05.033 (0.0)
Scanner Control Board	KAU003 4.9
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.117 (54)
HP Fleet Release Designation	CPE 13.3.2

**Enhancements and Fixes provided with previous Firmware revision
20140306 52.252.2 CPE 13.3**

ENHANCEMENTS:

Base Product:

- Firmware support for new smartcard reader redesigned to fit into all versions of the HIP pocket and as a stand-alone attachment for products that don't have HIP.

Embedded Digital Send:

- No new updates.

Authentication/Security:

- No new updates.

Fax:

- No new updates.

Embedded JetDirect:

- No new updates.

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues:

Base Product:

- Whenever a large document, which takes a long time to transmit, is scanned using OXPd 1.6 based Omtool AccuRoute and the network is congested, the scan job may fail after a few minutes.

- Connection to 9100 port hangs intermittently when sending several jobs to the device using SafeCom's Pull Print solution, SafeCom Go HP.
- Frequent jams observed in output device when printing multiple copies of Mixed A3/A4 jobs.

Embedded Digital Send:

- Send to Network folder does not recognize "&" in the folder path.
- Send to Network folder does not work on MAC 10.8.x.
- Scanned A4 document dimensions in TIFF file format are out of ISO standard.
- Send to Network folder does not support the symbol "|" in the password.

Authentication/Security:

- The device may crash with a 49.4C5E error if an abnormal network connectivity interruption occurs while Kerberos authentication is in progress.
- Device identity certificates installed for email signing could be deleted with an improper or incorrect certificate password.

Fax:

- No new updates.

Embedded JetDirect:

- Jetdirect Gigabit link speed OID reports as 100FX (fiber) rather than 100T.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
LJ CM6040mfp Series Printers	20140306 52.252.2*
Stapler Stacker/Mailbox (Q6998A)	[MT01.40 128 000]
Multifunction Finisher (Q6999A)	[MT01.40 128 118]
Embedded JetDirect	V.43.39.FF
Copy Processor Board	05.033 (0.0)
Scanner Control Board	KAU003 4.9

Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.117 (54)
HP Fleet Release Designation	CPE 13.3

*Note: The Output Device firmware revision strings (V2 RFU file header version for Q6998A and Q6999A) were not updating appropriately after upgrading to 52.252.1. This issue has been fixed in 52.252.2 (Datecode 20140306).

Enhancements and Fixes provided with previous Firmware revision 20131118 52.243.0 CPE 13.2

ENHANCEMENTS:

Base Product:

- OZ devices now provide support for getting and setting paper sizes and device serial number in DSMP to enable DSS to fetch these values, instead of older SNMP method. DSS is removing all the SNMP dependencies for security reasons.
- Ability to remotely interact with the control panel on OZ SFPs, MFPs, Digital Senders and Document Capture Workstations.

Embedded Digital Send:

- Enhanced firmware to respond cross-origin requests for OXPD 1.6 scan services.
- Ability to prompt user when LDAP Address Book search returns with multiple matching names.

Authentication/Security:

- No new updates.

Fax:

- In order to meet common criteria certification, characters in Fax security PIN has been changed from 4 to 8 digits.
- The devices will now support embedded internet fax service.

- Ability to archive faxes in PDF format.
- Ability to configure the device to actively prompt users for the job Notification Settings after pressing start button but prior to initiating a scan.

Embedded JetDirect:

- OIDs for SNMPv3 Context ID and Name are now available.

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues:

Base Product:

- When printing a Mixed Letter/Legal job with firmware version 12.1 onwards, the Letter output is 90 degrees rotated compared to the Legal output. The image on the page is correctly oriented, but the letter size pages print out long edge.
- Booklet pages are missing when performing a multi-page copy job with AutoDetect selected.
- Fax and Copy icons were missing after firmware upgrade to 12.1
- Russia and Venezuela time zones were off by a few hours on the devices after the newly introduced time zone changes in 2011.
- PDF Print jobs hanging at 'Processing job...' with 12.1 firmware.
- MFP configured with HPAC authentication for Secure Pull print or other OXPd 1.6 applications, encounters a 30.01.41 scanner error for non-English locale when coming out of sleep.

Embedded Digital Send:

- PML support to configure the routing of all Digital send Jobs through Jet direct card or JDI interface, when both of them are present on the MFP.
- DNS server is queried every minute from home screen to resolve the SMTP host which causes high Network traffic. It now obeys TTL value of DNS server.

- False Send to Network Folder screen on the control panel when juob build is used.
- Lan Fax and Send to folder path not verified when Alias of the server is used.
- Mixed A3/A4 Send to Folder jobs are received as A3 size.
- Quickset with default paper size configured as A3 sending A4 paper size as A3.
- SMTP over SSL not working with Gmail gateway.
- Send to Network folder verify fails when FQDN is not used in Network Settings.
- Download File Link does not work after exporting Email encryption certificate.

Authentication/Security:

- A 49.4C5E error may be experienced while performing Kerberos Authentication on devices that have had a 512MB Memory upgrade DIMM installed.
- E-mail Setup Wizard no longer obscures Cleaning Disk status.
- Smart Card authentication could fail when performing CDP certificate revocation status lookups on servers using SHA1.

Fax:

- No new updates.

Embedded JetDirect:

- No new updates.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
LJ CM6040mfp Series Printers	20131118 52.243.0
Stapler Stacker/Mailbox (Q6998A)	[MT01.38 128 000]
Multifunction Finisher (Q6999A)	[MT01.38 128 118]

Embedded JetDirect	V.43.37.FF
Copy Processor Board	05.033 (0.0)
Scanner Control Board	KAU003 4.9
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.117 (54)
HP Fleet Release Designation	CPE 13.2

**Enhancements and Fixes provided with previous Firmware revision
20130604 52.233.7 CPE 13.1**

ENHANCEMENTS:

Base Product:

- No new updates.

Embedded Digital Send:

- Ability to append an Active Directory attribute value from an LDAP lookup to a base UNC path and form a new user folder path.
- Two new options "Same as Original" and "Rotate Backside 180 degrees" have been added to Content Orientation for Email and Send to Folder applications.

Authentication/Security:

- The ATA Secure Disk Erase for non-encrypted feature performs a disk hardware base overwrite erase. All data on the selected disk is permanently deleted and cannot be recovered. The ATA DISK ERASE command is available in the Bootloader menu, in the INITIALIZE DISKS section.
- The Printer Job Language (PJL) Device Access Command Enable/ Disable setting determines if the device accepts PJL device management commands. Clearing the checkbox disables PJL device management commands and provides additional security by preventing unauthorized modification of device settings.
- 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.
- 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/SSL 3.0 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 available until Fall 2013. Enabling these options will disable compatibility with HP Web Jetadmin.

Fax:

- No new updates.

Embedded JetDirect:

- Ability for MFP to self-register with DNS via RFC 2136.
- Up to date encryption methods implemented for MFPs.

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues:

Base Product:

- 49.4C02/49.4C06 service error seen in the Copy application when one of the authenticated user attributes (username, display name, department...) was longer than 66 bytes. The new limit has been increased to 100 bytes, and any longer strings will be truncated in order to avoid the service error.

- 49.4C06 error seen while running Finisher Component tests when device language is set to certain European languages.

- Error when setting DNS address in the Network Time field using Webjet Admin with 12.1 firmware.

- Intermittent garbage print output seen with OZ devices when printing using AKI Port monitor IPP port instead of the traditional 9100 port.

- Japanese characters are not clear on the Control Panel with CPE 11.3 fw.

- OXPd 1.4.2 fails to load on clean mfp with OZ 12.1 FW.

➤ Ghosting observed for Cardstock media type due to Tray 1 paper feeding not slowing down, to get higher fusing temperature, with Any/Any option selected for Size/Type.

Embedded Digital Send:

➤ Email attachments are broken up incorrectly into smaller sizes, irrespective of specifying maximum attachment size.

➤ HELO and EHLO commands send IP address instead of domain name or server FQDN.

➤ When performing multiple jobs using a QuickSet, the Original Size of Mixed A3/A4 is not retained on the following jobs.

Authentication/Security:

➤ LDAP Authentication can now populate a domain field for OXPd applications that may require it. The domain name is obtained by parsing the top level of the configured LDAP search root.

➤ Changes to the file erase mode through the device EWS did not generate a Syslog entry as required for Common Criteria security logging.

Fax:

➤ Fax Archive email report status is not always consistent with Fax Activity Log report status.

Embedded JetDirect:

- OXPd device discovery is limited.
- A 49.FF09 failure is encountered when the firewall is enabled.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
LJ CM6040mfp Series Printers	20130604 52.233.7
Stapler Stacker/Mailbox (Q6998A)	[MT01.38 128 000]
Multifunction Finisher (Q6999A)	[MT01.38 128 118]
Embedded JetDirect	V.43.30.FF
Copy Processor Board	05.030 (0.0)
Scanner Control Board	KAU003 4.8
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.117 (54)

**Enhancements and Fixes provided with previous Firmware revision
20130129 52.222.2 CPE 12.2**

ENHANCEMENTS:

Base Product:

- Ability to support A4-R/Letter Overriding.
- Provision for better diagnostics for paper jams.
- PML implementation for the 'PS Wait Timeout' system variable so that the value of the variable can be changed in the range 0 to 4095 according to the customer needs.
- Provision for better messaging at the control panel on the possible causes and fixes for the 13.12.17 error. Usually misaligned parts and printing a large batch of jobs cause a '13.12.17 - Unexpected arrival of paper at finisher'.
- New SCB FW version includes improvements for size detection and de-skew routine.

Embedded Digital Send:

- Ability to do send to email using TLS/SSL over SMTP.

Authentication/Security:

- Devices are now able to use the AutoCC and Send2Me features with S/MIME encrypted send to email.
- The device Bootloader Password now uses the more secure SHA-256 hashing algorithm when stored by the system. The password is automatically re-encrypted with SHA-256 during the firmware upgrade.
- Embedded authentication methods can now be configured to allow users without populated email attributes to sign in.

Fax:

- Ability to have a consolidated fax report with thumbnails to include all of the dialed numbers.

Embedded JetDirect:

- DHCP is only negotiated at boot, not when network is connected.
- Only certificates for root Certificate Authorities are accepted; certificates from intermediate certificates are rejected.
- Embedded Jetdirect network code is not separately downloadable and code-signed.

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues:

Base Product:

- 'Restrict Color' EWS Option does not work when printing from a MAC OS using HP MAC Print Drivers.
- When a PDF document is printed with A4 and A3 papersize in duplex mode on, the device stops with a jam 49.2F8F when printing the A3 or the device asks to load A4 in the A3 tray.
- 49.4C01 and 49.4CF0 errors after installing 11.3Plus firmware with Pharos solution stack (iMFP 2.9) for user authentication and secure pull print.
- When trying to scan a landscape job (A4-R or Letter-R) from flatbed, the output is rotated and hence scanned output is cropped. The issue is both in Copy as well as Send to Email/Folder.
- On some MFPs, user is not able to restrict Color Usage with Adobe Reader 10.0. Adobe version 9.0 or below work fine.
- 13.12.17 error caused when printing a large batch of jobs.
- Changes made via EWS to Home Screen Layout show on the control panel initially, but lost after a reboot and revert back to previous or incorrect layout.
- After upgrading to 11.3 CPE, when documents embedded with PCL5 macros are sent to the printer, there is significant slowdown in print speed.

- MFP changes to a default paper size (Letter) after ADF is engaged, regardless of what paper size was previously detected on the flatbed.
- 49.60AC error seen when a WJA-monitored device is rebooting, and a multiple-page, multiple-copy job is sent to it.
- Username and Job are not shown correctly on the Job Status option when printing from MAC OS 10.6. Instead, username shows as 'Guest' and Job as 'Untitled'.
- 49.4CF0 errors with firmware version 48.131.3 (CPE 10.2) and 48.240.0B (CPE 11.3) as a result of "polling File System Password and Home Screen Applications" as part of simple device monitoring via WJA.
- With OXPd 1.4.9, help text is only displayed on the left side of the control panel instead of spanning the entire window.
- Alerts subscribed to by the device are not received when SMTP port number is changed from 25 to any other.

Embedded Digital Send:

- Dummy 1kb file created during send to FTP scenario is also pulled by 3rd party archiving solution.
- 5-8 seconds delay when accessing Email application on control panel of CM6040 and CM3530 products.
- Send to folder communication fails after an upgrade from 11.1 to 11.3.1 and with NTLMv2 as encryption method.
- MFPs sending DNS query to SMTP gateway once per minute causing intensive DNS traffic.
- Send to Network folder fails on MAC OS 10.7.
- If you use space in the user name under User PIN authentication in the EWS settings, mfp displays error message.
- "Registration failed. Invalid credentials" message while doing send to email where settings are configured by using Web Jet Admin 10.2.62227 templates.

Authentication/Security:

- No new update.

Fax:

- No new updates.

Embedded JetDirect:

- The SNMP variable to require an exact match of the 802.1x server was not settable. Setting the OID: 1.3.6.1.4.1.11.2.4.3.20.19 gives an error.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
LJ CM6040mfp Series Printers	20130129 52.222.2
Stapler Stacker/Mailbox (Q6998A)	[MT01.38 128 000]
Multifunction Finisher (Q6999A)	[MT01.38 128 118]
Embedded JetDirect	V.43.21.FF
Copy Processor Board	05.029 (0.0)
Scanner Control Board	KAU003 4.8
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.117 (54)
HP Fleet Release Designation	CPE 12.2

**Enhancements and Fixes provided with previous Firmware revision
20120911 52.210.9 CPE 12.1**

ENHANCEMENTS:

Base Product:

- A new Logging Infrastructure has been incorporated which could be utilized by all the components across the firmware.
- Ability to scan or copy a "package" that contains letter-size pages and Z-fold 11x17 pages (Mixed Letter/Tabloid Originals - which would be unfolded before scanning).

Embedded Digital Send:

- Ability to change the FTP transfer mode in WJA.

- Windows Server 2008 support for MFPs in an ESNF-DFS send environment.
- Ability to encrypt and digitally send email.

Authentication/Security:

- The ATA Secure Disk Erase feature performs a Cryptographic Erase. All data on the selected disk is permanently deleted and cannot be recovered. It is available in the Security section of the EWS menus, in the Hard Drive and Mass Storage Security Settings section.

Fax:

- Ability to setup holiday exceptions for Fax Printing Schedule.

Embedded JetDirect:

- Secure SMTP over SSL is now supported.

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues:

Base Product:

- Multiple Instances of 49.4c02 and 49.4c06 were seen in Autosend traces.
- Occasional 49.4C02 error while trying to print a job that has recently been stored on the hard drive.
- 49.4C02 error occurs randomly when Job Storage function is used.
- 6040MFP Document Feeder Kit default life should be set as 60K but units were being shipped with value set as 90K.
- Intermittent "Internal Disk Operation Failed" errors on the control panel of some MFPs.
- Documents with custom font generated by Adobe InDesign application for LanguageLevel 3 were not getting printed.
- Venezuela changed the country time zone from GMT-04:00 to GMT-04:30 as of December 2007. This change was not reflected in the EWS Time Zone options of HP LaserJet MFPs.
- Network Time Server settings unable to use load balancing hostname for time server.

- Text output was overlapping and images were blurred when printing using 11.1 CPE FW for 6040MFP (Garbled text issue).
- Intermittent 49.4C02 errors on MFPs.
- The Historical Device Coverage usage information is not being calculated properly and needs to be taken off both the Printed Usage Page and the EWS usage page.
- Copy from A4 to A3 color does not work with FW 52.132.6.
- Upgrading the device to this firmware will change the "File Erase Mode" to default "Non-Secure Fast Erase" in case the "File System Password" is not set.
- When formatter assembly was replaced to resolve blank control panel issue, CM6040mfp experienced a 49.460e upon boot as there was not enough RAM installed on the formatter whereas other devices display the message "not enough memory" on the Control Panel.

Embedded Digital Send:

- Digital Sending page counts show incorrectly in WJA.

Authentication/Security:

- The "Disable Reverse DNS Lookup" option does not properly disable reverse DNS lookups for devices configured to use Kerberos Authentication and "use device user's" credentials for LDAP binds.

Fax:

- Authentication is required to open fax thumbnail notification sent inline via email.

Embedded JetDirect:

- Encryption Strength is set incorrectly via WJA in CPE 11.3.
- CPE 11.3 does not send DHCP Option 12 (Hostname) on certain models.
- Device Announcement Agent (DAA) accepted invalid credentials from IPSC.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
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LJ CM6040mfp Series Printers	20120911 52.210.9
Stapler Stacker/Mailbox (Q6998A)	[MT01.38]
Multifunction Finisher (Q6999A)	[MT01.38]
Embedded JetDirect	V.43.16.FF
Copy Processor Board	05.026 (0.0)
Scanner Control Board	KAU003 4.4
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.117 (54)
HP Fleet Release Designation	CPE 12.1

Improvements provided with previous firmware revisions:

NOTE: All improvements with previous revisions of firmware are included within the most current revision.

Enhancements and Fixes provided with this Firmware revision

20120301 52.200.4 CPE 11.4.

ENHANCEMENTS:

Base Product:

- Ability to collect all the logs for a device using the One Touch Button through EWS. Typical logs collected will be formatter logs, Configuration Pages, Event Logs, Crash.log, fax logs, and T30 traces.
- Ability to copy two sides of an ID card on a single page in a single print instance by using 'Copy ID card' feature.

Embedded Digital Send:

- Ability to create password encrypted PDF files for digital send jobs.

Authentication/Security:

- Stored passwords for Fax archive to folder are now encrypted with AES256 encryption strength.

Fax:

- No new updates.

Embedded JetDirect:

- No new updates.

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues:

Base Product:

- After upgrading to 52.110.3 or newer firmware on the CM6040/CM6030MFP, users may see low quality of the Color Copy prints.
- After upgrading to 52.180.5 or newer firmware, users may experience excessive noise created by Control Panel or SCB fans.
- Alternative Letterhead mode does not automatically duplex Pre-punched media type for Copy jobs.
- Device may not be able to do clock drift correction and synch with Network Time Server after upgrading to CPE 10.3.
- Cheques may not print correctly with firmware newer than CPE 10.2.
- Numeric pad workflow shortcuts are unresponsive on the control panel when using the DSS workflow forms.
- Personal jobs with filenames, containing at least 16 characters, are overwritten.
- The "Please Wait" screen may appear and take an additional 3 seconds above and beyond the actual task length of the OXPd app.
- When device language is set to Catalan, the Event log may not print correctly.
- When performing two subsequent scans in the same session, the scan settings for the second scan are not set properly. This has been seen whenever the first scan file type is TIFF and the second is PDF.
- Continuous legal jobs followed by A4 and then back to legal may not staple correctly.
- The Network Time Server Address is not set to a valid Address/IP when the "Synchronize now" button is pressed for the first time after it is set to default settings.

Embedded Digital Send:

- Access verification before scanning does not work for invalid FTP path.
- Default File Name option in MFP Control Panel is taking the edited value even though Cancel button is pressed after editing it.
- E-mail notification not received for Failed FTP job.
- Email notification states as failed for both valid path Send to folder job and invalid path send to FTP job.
- File name set under Administrator->Default job options->Default Send to Folder->Default file name changes back to "Untitled" when doing a Send to folder job.
- CPE 11.1 or later firmware doesn't cache send to folder mfp user credentials.
- Received XML metadata file for send to FTP displays folder username instead of Authenticated Sender Name.
- The embedded Digital Send metadata files do not contain the sender's name/e-mail of the authenticated user.
- When performing Send to FTP job, destination folder path is verified in EWS but fails to verify on control panel.
- When you choose the option to create folder based on username for multiple send to FTP jobs, the jobs get stored in nested folders instead of a single username folder.

Authentication/Security:

- After logging into the MFP via LDAP authentication, stored jobs may not be visible at the control panel under job storage.
- After 'Restore factory settings' is performed on the device, the Smart Card authentication window will not appear even when all settings are properly reconfigured.
- Configuring MFP LDAP settings to use verbose mode for email address lookups could cause the device to hang.
- Device PINs starting with a single leading zero (e.g. 055 or 040) may not be able to be configured on the device.
- The "Retrieve Stored Jobs" soft key on the device control panel may be active even when no stored jobs are present

- When the US Govt. SmartCard Authentication agent is installed on the device, certain digital send options may not be able to be reconfigured after a “Restore Factory settings” is performed.

Fax:

- Greek text gets truncated in fax call report.
- Product control panel becomes less responsive when sending out large volume of faxes thus not allowing the user to perform walk up jobs.
- Thumbnails on fax notifications go missing.
- 16-20 digit fax numbers are not displayed full length in the fax recipient field

Embedded JetDirect:

- No new updates.

Current firmware revisions included in this firmware bundle

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
LJ CM6040mfp Series Printers	20120301 52.200.4
Stapler Stacker/Mailbox (Q6998A)	[MT01.38]
Multifunction Finisher (Q6999A)	[MT01.38]
Embedded JetDirect	V.43.09.FF
Copy Processor Board	05.024 (0.0)
Scanner Control Board	KAU003 4.4
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.117 (54)
HP Fleet Release Designation	CPE 11.4

**Enhancements and Fixes provided with this Firmware revision
20120119 52.191.2, CPE 11.3**

IMPORTANT NOTE:

“This firmware version installs code signing verification functionality. Firmware signed by HP guarantees the integrity and authenticity of the code; meaning that the firmware was produced by HP (authenticity) and that the firmware has not been altered in any way (integrity). ”

ATTENTION: Once this firmware has been applied to your printer or multifunction device it CANNOT BE DOWNGRADED to a previous version of firmware.

BACKGROUND: It is important to note that Code Signing Verification functionality has been provided with this version of firmware and will be provided with all future versions of firmware, therefore, the ability to downgrade to a previous version of firmware no longer exists.

ENHANCEMENTS:

Base Product:

- No new updates.

Embedded Digital Sending:

- No new updates.

Analog Fax:

- No new updates.

Embedded JetDirect:

- No new updates.

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues-

Base Product:

- Certain PS files were not getting printed properly. Print output had blank spots where there were pictures and text.

Embedded 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

LJ CM6040mfp Series Printers	(Datecode: 20120119 52.191.2
Stapler Stacker/Mailbox (Q6998A)	[MT01.38]
Multifunction Finisher (Q6999A)	[MT01.38]
Embedded JetDirect	V.43.09.FF
Copy Processor Board	05.023 (0.0)
Scanner Control Board	KAU003 4.3
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.117 (54)
HP Fleet Release Designation	CPE 11.3 Final Release

FIXES AND ENHANCEMENTS PROVIDED WITH PREVIOUS FIRMWARE REVISION

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

IMPORTANT NOTE:

“This firmware version installs code signing verification functionality. Firmware signed by HP guarantees the integrity and authenticity of the code; meaning that the firmware was produced by HP (authenticity) and that the firmware has not been altered in any way (integrity). “

ATTENTION: Once this firmware has been applied to your printer or multifunction device it CANNOT BE DOWNGRADED to a previous version of firmware.

BACKGROUND: It is important to note that Code Signing Verification functionality has been provided with this version of firmware and will be provided with all future versions of firmware, therefore, the ability to downgrade to a previous version of firmware no longer exists.

ENHANCEMENTS:

Base Product:

- Now you are able to set tray 2 as the default tray for copying and have the MFP pull from tray 2 regardless of what type is in the tray.

Embedded Digital Sending:

- Administrators can now specify the default filename of embedded Send to Network Folder jobs to be the current date and time stamp of the digitally sent job.

Analog Fax:

- No new updates.

Embedded JetDirect:

- Secure@Install support is now available.
- 802.1x failure to negotiate disables networking.
- SNMPv3 privacy and authentication use keys rather than passphrases
- No SSL Proxy available to Auto-Send

FIXES OR IMPROVEMENTS:

This firmware provides fixes or improvements for following issues-

Base Product:

- In some cases you may not be able to cancel a copy job after starting to copy multiple jobs.
- When connected to a Multi Function Finisher and a paper jam occurs, you may still see the error on the control panel even after clearing the jam.
- New Scanner Control Board firmware to help with paper pick issues within the Automatic Document Feeder.
- After upgrading to 51.121.2 or newer on the CM6040/CM6030MFP you may see higher than anticipated rate of 30.01.41 or 30.01.45 errors.

- Certain Japanese characters are being displayed incorrectly on the front control panel.
- In certain languages the OK button has been translated incorrectly and may be interpreted as "well" or "fine".
- Ringdale - Changes to the Fax application system variables do not take effect until after a reboot.
- The USB card reader may become unresponsive after upgrading CM6040 to CPE 11.2
- Stored jobs may not be visible under created folders when authentication is set to LDAP
- The phrase "To use AutoSend with E-mail, you must first configure your E-mail Server" was not localized in Slovak and Russian languages.

Embedded Digital Sending:

- Embedded send to FTP jobs may fail even though the FTP path verifies successfully from the device Embedded Web Server
- Send to FTP will generate 0 bytes files in in FTP destination when the device is in ACTIVE mode and with a firewall enabled on the FTP server.
- Email addresses (including Fax Notification) may not be consistently set from device security services.
- For devices configured to use the HP US Government SmartCard authentication solution (DOD CAC), send to network folder jobs could fail due to the device improperly sending the network credentials for the digital send job.

Analog Fax:

- Embedded RightFax Metadata File May be incompatible with DSS

Embedded JetDirect:

- SSL vulnerable to a man-in-the-middle renegotiation attack
- Certificate Signing Requests specify 1024 bit keys; should specify 2048 bit keys
- The default key size for Certificate Signing Requests should be 2048 bits not 1024

- A "Reflected XSS" is possible due to redirection to HTTPS
- Crash results when navigating to Refresh Rate in Networking pages
- Crash results when a duplicate IPv6 address is encountered
- SSL vulnerable to a Cipersuite downgrade attack
- Telnet crashes
- Misbehavior when DHCP NAK received

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

LJ CM6040mfp Series Printers	(Datecode: 2011212 52.190.1B)
Stapler Stacker/Mailbox (Q6998A)	[MT01.38]
Multifunction Finisher (Q6999A)	[MT01.38]
Embedded JetDirect	V.43.05.FF
Copy Processor Board	05.023 (0.0)
Scanner Control Board	KAU003 4.3
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.117 (54)
HP Fleet Release Designation	CPE 11.3

FIXES AND ENHANCEMENTS PROVIDED WITH PREVIOUS FIRMWARE REVISIONS:

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

You may see improvements for the problems mentioned below by updating your printer's firmware with revision: FIRMWARE DATECODE: **20110520 52.162.8**

ENHANCEMENT:

Base MFP:

- Added the ability to copy mixed Letter and 11x17 or mixed A4 and A3 media sizes.
- The Job Held Timeout feature can now be applied to Stored Jobs in addition to Quick Copy Jobs, and will be available for Oz based devices with this release. The timeout setting will be applied retroactively to any existing jobs. This feature is available through

the EWS and Control Panel for customers who want all Job Data removed on a scheduled basis

- Add the ability to perform a Hard Disk Initialization and Cold Reset remotely
- Support for Windows Server 2008 has been added for DOD Smartcard Authentication
- Added the ability to send Autosend data over HTTPS for a secure link.
- You are now able to set separate and different "Default Job options for the following areas: Copy, Send to Email, Sent to Folder, Fax and DSS.
- AES 256 Encryption is now used for any passwords stored on the MFP for use with digital send jobs. This includes any digital sending-associated passwords that are cached (in cases where walk-up user credentials are supplied for any given job) or stored (in cases where administrator - or "public" - credentials are configured for any given job).
- Utilize User's Network Credentials to release Private Jobs.

Embedded Digital Sending:

- Embedded Send to Network Folder quicksets are now able to save job settings
- Expanded support for Embedded Send to Network Folder jobs to Microsoft Distributed File System destination directories.

FIXES:

Base MFP:

- When a ADF jam is seen the device does not respond correctly to the jam being cleared.
- LDAP Authentication could fail when 2-byte characters are returned in LDAP attribute fields
- You may see a hang in while printing certain types of booklet jobs.
- After installing certain Third Party Solutions you may see a Unsupported Supplies message
- When using some 3rd party OXP applications, concurrent authentication operations could be generated which would corrupt the authentication attempt
- Some Slovak Control Panel translations are incorrect.
- Intermittently the MFP may gets into a mode where the inactivity timeout stops working for all menus except the Administration Menu.
- You may see a 10.90.xx error instead of a Toner Cartridge Out message.

Embedded Digital Sending:

- Embedded Send to FTP jobs could fail when sending to FTP servers with EPRT support
- Send to Email causes a 49 error when the Digital Sender (9250c) is in Japanese
- Autosend and Embedded Email alert functionality may not work properly on servers where SMTP Authentication is configured.
- Embedded Send to Network Folder jobs could fail for users with passwords containing ISO Latin-1 characters

Analog Fax:

- Now 'Ringer Volume' setting of Receive Fax works properly.
- Analog Fax and Embedded Send to Email jobs could intermittently lock up the MFP
- The fax report can now be integrated into the email body instead of arriving as an attachment in the email.

Embedded JetDirect:

- No new updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

LJ CM6040mfp Series Printers	(Datecode: 20110520 52.162.8)
Stapler Stacker/Mailbox (Q6998A)	[MT01.38]
Multifunction Finisher (Q6999A)	[MT01.38]
Embedded JetDirect	V.36.47.FF
Copy Processor Board	05.019 (0.0)
Scanner Control Board	KAU003 4.0
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.117 (54)
HP Fleet Release Designation	CPE 11.2

You may see improvements for the problems mentioned below by updating your printer's firmware with revision: FIRMWARE DATECODE: **20110215 52.132.6**

ENHANCEMENT:

Base MFP:

- Capability to provide an audit-trail of security-relevant actions taken by users is added in this release. The following data is recorded for each event:
 - Date and time of event
 - Type of event
 - User ID (if applicable)
 - Outcome of event (success and/or failure)Requires use of a Syslog server. Syslog is a standardized auditing protocol and defined by the Internet Engineering Task Force (IETF) in RFC 5424.
- It is now possible to use the M9050MFP stapling commands on the CM6040 and CP6015 devices to receive the same results.

- Provided the ability to send an alert e-mail from the device when the Auto Recovery feature has turned the device off and back on.

Embedded Digital Sending:

- Administrators can now set the address book search priority for email address lookups
- "Send to Me" functionality, where send to email jobs are automatically sent to the authenticated user, can now be configured from the device embedded web server
- PDF/A is now a configurable file type for embedded digital send jobs

FIXES:

Base MFP:

- Kerberos authentication could fail when configured to use Administrator's (Public) credentials, and the credential set is entered in domain/username format
- A reboot may be required after adding a second Kerberos domain before Kerberos authentication would succeed
- The MFP User Credential form is now viewable for workflows configured in HP MFP Digital Sending Software
- The control panel display may be clipped about 2 mm on the left side
- The Secure Erase Mode may be reported incorrectly if no disk is installed

Embedded Digital Sending:

- A 49.00FF error may be seen when performing embedded Send to Network Folder digital send jobs
- The "Create Directory Based on Username" and "Only Allow Access to User's Own Directory" configures features for embedded Send to Network Folder may result in the creation of directories with improper security permissions
- The device priority for name resolution transport (DNS or WINS) can be configured for embedded Send to Network Folder
- Some embedded Send to Email digital send jobs may fail when configured to use SMTP authentication and custom message body text is specified
- Embedded Send to Network Folder digital send jobs may fail when the password encryption method is configured for Kerberos
- User credentials containing diacritic characters in the password field may not pass properly for embedded Send to Network Folder digital send jobs
- The device may not properly utilize the configured secondary DNS server when necessary for embedded Send to Network Folder digital send jobs

Analog Fax:

- No new updates

Embedded JetDirect:

- 802.1x implementation is incompatible with FreeRadius
- The checkbox for "Use Stateless DHCPv4 when Manually Configured" would always be checked after reboot.
- 802.1x improperly negotiates to MD5 Authentication
- FTP server welcome message terminates lines with linefeeds instead of carriage-return and line feed
- DNS resolves hostnames to IPv6 addresses even when IPv6 is disabled.
- Support for the Trace method is removed from the JDI EWS HTTP server in this and future releases

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

LJ CM6040mfp Series Printers	(Datecode: 20110215 52.132.6)
Stapler Stacker/Mailbox (Q6998A)	[MT01.38]
Multifunction Finisher (Q6999A)	[MT01.38]
Embedded JetDirect	V.36.47.FF
Copy Processor Board	05.018 (0.0)
Scanner Control Board	KAU003 4.0
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.113 (50)
HP Fleet Release Designation	CPE 11.1

You may see improvements for the problems mentioned below by updating your printer's firmware with revision **52.121.2**

FIRMWARE DATECODE: **20101206 52.121.2**

ENHANCEMENT:

Base MFP:

- When synchronizing with a network time server, the printer clock now copies the actual time from the server. Previously it only corrected for drift within a small time range.
- The number of user-defined media types is increased from 5 to 20
- The behavior of the Stop button is now configurable. In the Settings/Device Behavior/Reset menu you can now select "Default" or "Alternate". "Default" maintains previous functionality: Pressing the Stop button pauses the MFP, and the user must select "OK" from the Resume control panel display to get back to READY. When "Alternate" is

selected the MFP will go back to READY when the Reset button is pressed, or when the Inactivity Timeout expires.

- This release includes the new HP Open Extensibility Platform (OXP). This functionality significantly increases the RFU file size.

Embedded Digital Sending:

- The configurable maximum attachment size for embedded send to email has been increased
- Administrators can now specify a Default TO: address in the device Embedded Send to Email configuration

FIXES:

Base MFP:

- Possible 49.4C02 on power up when a USB device is installed
- You may see a 49.4C02 error when using ALM (Alternate Letterhead Mode)
- Not able to print the correct quantity of copies when using the Private Pin with certain Microsoft Word documents.
- A 49.5F11 error may be seen on the control panel when using the Alternative Letterhead feature
- Some pages will not be included with the print job when using the Alternative Letterhead feature
- EXPECTED DRIVE MISSING error message on control panel after upgrading firmware
- Possible 49.4C18 errors when using DHCP and configuration files. Fixes are implemented in both formatter and Embedded JetDirect firmware
- You may not see a significant shift in color density when using the Adjust Color Density setting for Midtones, Highlights and Shadow regions.
- Intermittent 30.01.41 errors may be presented on the devices control panel

Embedded Digital Sending:

- No Updates
- DOD CAC encrypted emails would incorrectly have BASE64 characters of the encrypted attachment within the email message body
- When the device language is configured to Korean or Chinese, the "Change Language" button fails to function from within the Embedded Send to Network Folder UI
- A 49.4C02 Error may occur when applying a WebJet Admin configuration template containing Kerberos Authentication settings
- Printed notification pages for Embedded Send to Network Folder would not word wrap long folder paths

- Embedded LANfax file naming convention now matches the HP MFP Digital Send Software LANfax file naming convention
- Digital Send jobs could have missing scan pages if a paper jam occurred during the scan

Analog Fax:

- Disabling fax from DSS may not remove the fax icon from the control panel
- Email notification for Fax jobs initiated with the PC Send Fax Driver would fail with email addresses longer than 32 characters
- Fax reports may have missing thumbnail images

Embedded JetDirect:

- Printers/MFPs are unable to FTP to another printer/MFP

Current firmware revisions included in this firmware bundle (Version 52.121.2)

DEVICE FIRMWARE REVISION

LJ CM6040mfp Series Printers	(Datecode: 20101206 52.121.2)
Stapler Stacker/Mailbox (Q6998A)	[MT01.38]
Multifunction Finisher (Q6999A)	[MT01.38]
Embedded JetDirect	V.36.46.FF
Copy Processor Board	05.016 (0.0)
Scanner Control Board	KAU003 4.0
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.113 (50)
HP Fleet Release Designation	CPE 10.4

You may see improvements for the problems mentioned below by updating your printer's firmware with revision **52.100.4**

FIRMWARE DATECODE: **20100916 52.100.4**

ENHANCEMENT:

Base MFP:

- Blank Page Suppression is enhanced to include PCL6 (was only PCL5), and also work with duplex printing if both sides a page are blank.
- A feature has been added to the EWS to allow custom settings for tray mapping

- Job Build mode has been added to Default Settings in the EWS

Embedded Digital Sending:

- Shared and FTP Folders are added as options to Fax Archive in Advanced Fax Settings
- The option to add timestamps to destination file names is added for Send to Email and Send to Folder (Quick Sets menu for Send to Folder)

FIXES:

Base MFP:

- You may see a 49.2FA7 error occurs when coming out of Sleep Mode and printing a color multi-copy print job.
- ALM (Alternate Letterhead Mode) was not treating user-defined media types as asymmetrical
- Classic tray mode not working correctly
- Media type settings do not hold over a power cycle for non-Letter paper sizes
- After performing restore factory settings the Device Name is not changed to Factory Default
- Localization errors in Address Book messages when set to Greek
- Possible 49.4C02 errors when using an EIO hard disk drive (HDD) with the HP Access Control Smartcard Solution for U.S. Government, including the HP High Performance Secure Hard Disk.

Embedded Digital Sending:

- The left side of a sent PDF file may be clipped with A4 paper size

Analog Fax:

- No Updates

Embedded JetDirect:

- No Updates

Current firmware revisions included in this firmware bundle (Version 52.100.4)

DEVICE FIRMWARE REVISION

LJ CM6040mfp Series Printers	(Datecode: 20100916 52.100.4)
Stapler Stacker/Mailbox (Q6998A)	[MT01.38]
Multifunction Finisher (Q6999A)	[MT01.38]
Embedded JetDirect	V.36.42.FF
Copy Processor Board	05.015 (0.0)

Scanner Control Board	KAU003 4.0
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.113 (50)
HP Fleet Release Designation	CPE 10.3

You may see improvements for the problems mentioned below by updating your printer's firmware with revision **52.081.2**

FIRMWARE DATECODE: **20100614 52.081.2**

ENHANCEMENT:

Base MFP:

- The EWS Security tab now has a checkbox to require the EWS password to see the EWS Information page
- The message "Print List" is replaced by "Print Job List", and the "Print List" button is removed from the Retrieve tab in the Job Storage menu. This makes it clear to users the function prints a list of stored jobs, not the jobs themselves.

Embedded Digital Sending:

- It is now possible to configure LAN-Fax from the EWS

FIXES:

Base MFP:

- When printing certain PDF files the printer may continuously print pages with erroneous characters on them.
- Cannot set A4-R as default paper size for Copy Originals
- Not able to Enable and Disable the Color Usage Job Log page from the Information menu when using Web JetAdmin.
- If an Attention message (Paper Out, Door Open, etc.) appears while in a control panel screen from a third-party application the message cannot be recalled.
- The device name cannot be changed in the previous release (datecode beginning with 2010)_
- You may see a boot up hangs which may never display an error on the front control panel. After looking in the Event Log you may see 49.1D34 as well as many 68.xx error posted.

- On certain devices you may not be able to perform a Disk Initialization or NVRAM initialization at bootup.
- After upgrading your printers FW to 52.071.4, you will see all booklet print jobs print with incorrect pagination.
- Possible 49.5001 errors with DSMP network traffic
- Complex jobs may cause booklet print jobs to be incomplete and the media to be outputted into different bins with a message on the control panel "Too many pages".

Embedded Digital Sending:

- MFP DNS behavior could cause the email icon to disappear from the control panel of the device
- MFP DNS behavior could cause failures when performing CAC Authentication
- Specifying an SMTP gateway by hostname may not work correctly on slow networks
- The username field for Kerberos authentication has been expanded to allow a maximum of 64 characters

Analog Fax:

- No Updates

Embedded JetDirect:

- No Updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

LJ CM6040mfp Series Printers	(Datecode: 20100614 52.081.2
Stapler Stacker/Mailbox (Q6998A)	[MT01.38]
Multifunction Finisher (Q6999A)	[MT01.38]
Embedded JetDirect	V.36.42.FF
Copy Processor Board	05.015 (0.0)
Scanner Control Board	KAU003 4.0
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.113 (50)
HP Fleet Release Designation	CPE 10.2

You may see improvements for the problems mentioned below by updating your printer's firmware with revision **52.071.4**

FIRMWARE DATECODE: **20100306 52.071.4**

ENHANCEMENT:

Base MFP:

HP has implemented a new method of page counting (known as Print Usage Tracker), which can be enabled if desired. The administrator or owner of the product has the option either to enable the new counting method or to do nothing. If the new counting method is enabled the device **cannot return to the previous counting method**. It is important to understand this. If the feature is not enabled, nothing will change on the device and it will continue to count pages the same as it originally did from the factory.

- **Background:** Current page counting methods were designed to enable efficient service and support. The Print Usage Tracker feature implements new page counting methods which are more aligned with today's job accounting needs.

Additional information: For more information about the Print Usage Tracker feature, visit, www.hp.com/go/support. To navigate to the support web page for your product, on the SUPPORT AND DRIVERS page, type the product name of your device (for example, HP Color LaserJet CM3530 MFP or model number CC520A) in the "See support and troubleshooting information" section. Once you have located your support page search for "Print Usage Tracker". Additional information may also be obtained by contacting your regions HP Customer Support Center. This information can be located in the "Use" manual that came with your product documentation or on the CD-ROM.

How to enable the feature: If desired, use the following steps to enable the new page counting method (known as Print Usage Tracker) via the product's Embedded Web Server.

1. Update your device firmware to this release or greater.
2. Once this is done the Print Usage Tracker acceptance and activation screen will be available from the product's Embedded Web Server (EWS) at the following location: EWS >> Settings >> Security >> Device Security Settings >> Print Usage Tracker
3. Review the acceptance screen so that the changes are understood and you are comfortable with how the changes may or may not affect your HP device or product use model.
4. If you are comfortable with the acceptance statements and the new counting functionality, choose to enable the feature. As stated previously it is very important to understand that once enabled the device cannot return to the previous counting method.
 - a. Select "I Accept"
 - b. Select "Enable the Print Usage Tracker feature on this device"
 - c. Press "Apply"

NOTE: Currently this functionality can only be enabled through the product's Embedded Web Server (EWS). In the future, HP will provide the ability to enable this functionality through HP's Device management software called HP WebJet Admin. The WebJet Admin support pages can be accessed using the following URL: www.hp.com/go/webjetadmin

- To help with minimizing wear of the printer you may see a multiple page complex job pause to allow two pages to be processed fully before printing, The printer will not need to spin up and spin down after each page, but rather after two pages printed.
- A new feature has been added which will allow the administrator to configure the device to auto recover from intermittent 49.XXXX errors. With this release the feature will be enabled "ON" by default. For Single function devices you will find the selection under the following menu: CONFIGURE DEVICE>SYSTEM SETUP>Auto Recovery. For "M" Series Multifunction Devices you will find the selection under the following menu: ADMINISTRATION>MANAGEMENT>Auto Recovery.

Embedded Digital Sending:

- Support added for Embedded Send to Network Folder Quick Sets
- Support added for a single Embedded Send to Network Folder alias to send to multiple network folder destinations
- Support added for the ability to configure up to ten Embedded Send to Network Folder address books
- Support added for import/export of Embedded Send to Network Folder address books
- Changed from G4 to JBIG2 compression for monochrome PDF scans to reduce file size

FIXES:

Base MFP:

- A 49.4c06 may be displayed on the control panel when printing certain files from Excel that contain non-printable characters
- Very slow printing or printer hangs may occur when a very complex Postscript file with large amounts of lineto commands are present.
- Processor timing changes to help minimize wear of printer.
- Possible 49 error when using PCL5 macros (more likely with USB mass storage device connected).
- Possible 49.5001 errors when using Fax and/or email address books
- An intermittent 49.144b, 30.01.41 error may be seen on the HP Easy Select Control Panel.

Embedded Digital Sending:

- Scan Setup Wizard does not work correctly with 2-byte languages

- Authentication could fail if the user password contained the Euro character
- A 49.4C02 error could occur when applying Kerberos configuration settings through HP MFP Digital Sending Software
- Users are unable to specify scan filenames when the MFP is configured for Send to Network Folder through HP MFP Digital Sending Software and configured for Novell Authentication

Analog Fax:

- No Updates

Embedded JetDirect:

- Incompatibility with Win Server 2008 and 802.1x
- CA certificate not accessible via SNMP
- IPP printer-URI-string miss-formatted
- DHCPINFORM transmit rate too high
- Possible network hang during DHCPv6 configuration when a configuration is received from a DHCPv6 server.
- User incorrectly allowed to install an Identity certificate instead of a CA certificate.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

LJ CM6040mfp Series Printers	(Datecode: 20100306 52.071.4)
Stapler Stacker/Mailbox (Q6998A)	[MT01.37]
Multifunction Finisher (Q6999A)	[MT01.37]
Embedded JetDirect	V.36.42.FF
Copy Processor Board	05.015 (0.0)
Scanner Control Board	KAU003 4.0
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.113 (50)

You may see improvements for the problems mentioned below by updating your printer's firmware with revision **52.060.7**

FIRMWARE DATECODE: **20091123 52.060.7**

ENHANCEMENT:

Base MFP:

- You may see some Improvements to authentication performance.

Embedded Digital Sending:

- No Updates

FIXES:

Base MFP:

- If the SmartCard is removed before a job is complete, the user may be locked out
- Calibration Intervals have changed
- Scan Control Board FW change to support change in hardware vendors for media sensors.
- Very dark dense black copies may print as composite black when using the Autodetect copy setting.
- You may be able to do a copy job without authenticating

Embedded Digital Sending:

- The sent PDF document size may exceed the standard A4 size when scanning A4 documents

Analog Fax:

- When "Auto Setting Reset" is configured to "Immediately Reset Device", a copy job may be performed instead of a faxing or digital sending job.
- Possible 49.4C06 error when sending a fax

Embedded JetDirect:

- No Updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

LJ CM6040mfp Series Printers	(Datecode: 20091123 52.060.7)
Stapler Stacker/Mailbox (Q6998A)	[MT01.37]
Multifunction Finisher (Q6999A)	[MT01.37]
Embedded JetDirect	V.36.41.FF
Copy Processor Board	05.015 (0.0)
Scanner Control Board	KAU003 4.0
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.103 (46)

You may see improvements for the problems mentioned below by updating your printer's firmware with revision **52.051.3**

FIRMWARE DATECODE: **20090909 52.051.3**

ENHANCEMENT:

Base MFP:

- The Wake-Up schedule can now be set with Sleep Mode disabled
- Additional information will be provided in the Event Log for Paper Jam conditions. In addition, the Event log can now display up to 90 events depending on the event type. The additional information presented for a paper jam error is not applicable / useable by an end-user or support person.
- Numerical and Alpha characters have been added to the images displayed on the control panel during the "power on" process. If the device should stall, during the "power on" process the administrator should log the numerical and alpha characters and contact an HP regional support center for additional help. This should only be done if turning the power OFF and back ON for a second time does not resolve the stall.
- Increase EWS CAC User Limit
- The Asset Field found in the products EWS (Embedded Web Server) which is used for assigning Asset numbers to a device has been changed to allow support for more characters.

Embedded Digital Sending:

- No Updates

FIXES:

Base MFP:

- Job Storage - When printing All Personal Jobs with a pin, the quantity set within the driver get defaulted to one copy for each job.
- Color Usage Job Log is still visible after turning off the feature off with in the Embedded Web Server.
- Calibration still occurs first even when 'Delay Calibration at Wake/Power-on' is set to yes.
- Multiple media/paper types are missing from the UPD driver
- EWS Device Status page displays Transfer Kit and Roller Kit incorrectly
- A 49.4C02 may be seen on the control panel when printing large PostScript Files.
- A 49.144B error may be seen on the HP Easy Select Control panel. Updating to this firmware may lessen the occurrence of this error.
- Some PostScript files generated from SAP applications may print barcodes incorrectly.
- User-defined media types do not display correctly in non-English languages
- When the PostScript font pages are printed with the control panel language set to Russian certain characters will overlap on page borders.
- Certain characters displayed on the printed Supplies Status page will display incorrectly when the control panel language is set to Russian or Greek..

- Date/Time Strings displays odd characters in Greek and Russian Color Usage Job Log Page.

Embedded Digital Sending:

- LDAP authentication (Simple or Simple over SSL) could fail with an insufficient privileges error in some configurations
- A 49.4C02 error may be seen when "Disable Reverse DNS Lookups" is selected under Settings -> Kerberos Authentication -> Advanced
- There is now the option to specify a primary and backup LDAP server under Settings -> Kerberos authentication. This feature reduces authentication failures related to hostname resolution issues during the LDAP portion of the authentication cycle
- Certain number combinations entered at the control panel as part of a digital send job would lock up the control panel
- Embedded send to network folder digital send jobs would fail when NTLMv2 is selected as the password encryption method
- The digital send log would incorrectly designate some failed digital send jobs as successful
- A 49.00FF error could be generated after an abnormal communication break between the MFP and its configured DSS server
- Embedded send to network folder digital send jobs may fail to create XML metadata files
- An unspecified DNS server is used by the MFP to resolve hostnames for some embedded send to network folder digital send jobs
- Embedded send to network folder digital send jobs may generate metadata files with truncated output
- A 49.4C02 error may be seen when configuring Kerberos authentication through HP MFP Digital Sending Software
- Kerberos Authentication may be successful in the user interface when incorrect credentials are specified in the MFP Embedded Web Server

Analog Fax:

- A full fax activity log may result in Modem Fail (82) or Modem Fail (84) messages
- Possible Job Fail (0), compression errors or fax corruption with fax firmware versions 2.36v and 2.37m
- Stored Fax does not print after performing Restore Factory Settings
- In rare cases a No Fax Detected message may occur when a fax machine is at the other end.
- When sending a fax, a No Dial Tone occurrence does not result in an automatic retry
- A "Remote Abort" message is added to notify users the remote fax disconnected.
- Results column may be truncated in Fax Activity log when set to Verbose
- Fax Header page numbers may be cut off in superfine mode
- With ECM off, only one page faxes are resent. Multiple page faxes fail to resend.
- Sending to a Fax Distribution List may result in corruption if one receiver doesn't support the scanned resolution
- Faxing A3 paper size to A4 paper size may result in a blank page or cropped image

- A Large Fax address book is slow to search, and may cause 49.4C02 errors
- A 49.4C02 error may occur when cancelling a fax job while the control panel shows "Connected to..."
- "Maximum Characters Reached" message is not displayed after 31 characters entered when keyboard language is set to Japanese
- The fax email notification thumbnail may have the file extension .01 instead of .tif.

Embedded JetDirect:

- Installation of a Root CA Certificate no longer causes "Invalid Format" on other certificate installations.
- Access Control List contents now persist over reboots
- HTTPS is now forced on Printer/MFP tabs when required.
- When DNS responses are returned as a stream (TCP) rather than a datagram (UDP), JDI would wait forever for more data.
- When Web Jetadmin is on a different subnet than the printer and establishes an HTTPS connection to query status, the JDI would mishandle the connection and hang.
- IPP operation is now allowed when the EWS is disabled
- Web Jetadmin Admin operations are now allowed when the Embedded Web Server is disabled.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

LJ CM6040mfp Series Printers	(Datecode: 20090909 52.051.3)
Stapler Stacker/Mailbox (Q6998A)	[MT01.37]
Multifunction Finisher (Q6999A)	[MT01.37]
Embedded JetDirect	V.36.41.FF
Copy Processor Board	05.012 (0.0)
Scanner Control Board	KAU003 3.7
Analog Fax Accessory (Q3701A)	2.37p
DC Controller	10.103 (46)

You may see improvements for the problems mentioned below by updating your printer's firmware with revision **52.041.5**

FIRMWARE DATECODE: **20090605 52.041.5**

ENHANCEMENT:

Base:

- Port 9100 style print services are now available on port 9600

- JetDirect now provides Manufacturer, Device Type, Model and Serial Number information in DHCP Tag 77.
- Rotate Sort feature added to the CM6040/CM6030 MFP series.
Rotate Offset is a feature that allows users to print multiple copies of a job in alternate orientations. This new feature can be used with either the Print or Copy path. For example, the first copy outputs in landscape orientation, the second outputs in portrait orientation, the third in landscape, and so on. Once Rotate Offset is enabled, regardless of inactivity period, the first copy of a job outputs in the alternate orientation to the last copy of the previous job. See the table below for an example of how the document outputs.

Embedded Digital Sending:

- Smartcard Solution for U.S. Government (previously MFP Smartcard Authentication Solution): Ability to Encrypt E-mail with senders PKI certificate, CDP (Certificate Revocation List Distribution Point) Certificate Validation, and support for FBI Proprietary Common Access Card Format.

FIXES:

Base MFP:

- DC Controller Firmware was changed
- User-defined media types are not reported correctly in the EWS and Tray Empty messages.
- Default sleep delay time on a cold reset was changed to accommodate the new Energy Star requirements.
- When printing a personal job without a PIN number the job will print N-1 based on the number of copies selected in the print driver for the job. For example: If 10 copies were selected in the driver only 9 copies will print.
- Alternative Letterhead mode will not function correctly when a tray selection is made using a tray selection command instead of a paper type selection command
- When a duplex manual feed copy or print job is performed from tray one the device may stop printing with no apparent reason in the middle of the job or display a 13.xx paper jam message.
- The output device may misjudges the job as "Too Many Pages" and may output the printed sheets without stapling.
- Output device may not stop when STOP_CONTROL (normal stop) signal is sent.
- When a formatter board is replaced for service reasons when using an HP Secure High Performance hard drive the device will come to a READY state but it will also display a message indicating that the hard drive is not functioning and the feature icons that require a hard drive will indicate that the feature is not available
- When "Disable Reverse DNS Lookups" is enabled under Settings -> Kerberos Authentication -> Advanced, the MFP could experience a 49.4C02 error

- The Maximum Control Panel lock will not lock access to the "Stop" button
- A potential for the Kerberos configuration on the MFP to become corrupt could generate a 49.4C02 error on the MFP
- When selecting to print all stored jobs from the front control panel you may see a longer than expected delay between stored jobs. With this new behavior you will no longer see a delay between files as long as the job attributes are the same.

Embedded Digital Sending:

- Embedded Send to email jobs would initiate the SMTP session with the EHLO command instead of the HELO command
- Some Embedded Send to Network Folder jobs would result in corrupt PDF output in the destination directory
- When Default Job Options -> Default Copy Options -> Color - Black/White is configured to AUTODETECT, JPEG file color output would be inconsistent with the configured color output setting for digital send jobs.
- The configured time server set under Settings -> Date & Time -> Clock Drift Correction would intermittently change from the configured setting.

Analog Fax:

- Possible 49.4C02 and 49.4C06 errors when using the fax address book
- 49.4C02 errors when faxing A5 paper
- Intermittent 49.4C02 errors when faxing a A4 paper
- Fax Thumbnails may be missing from the fax report.
- Fax shrinkage in some situations
- Improve fax receiving success rate in ECM mode
- Disable V.34 Menu Item is removed because V.34 is automatically enabled or disabled.
- Maximum Baud Rate can now be selected separately for send and receive
- Stored faxes may not be completely deleted after printing. This can result in some faxes being reprinted.
- Possible 49.4C01, 49.4CF0 and 49.5001 errors
- A new "Remote Abort" fax error message is added to indicate the other party aborted a send or receive operation
- An erroneous "No Fax Detected" message may appear on the control panel

Embedded JetDirect:

- JetDirect now correctly responds with "unsupported" to an IPP Compression request
- Improvements were made to the IPP protocol to work better with an improved Microsoft IPP Client
- LPD queue may not clear correctly
- Test packets are transmitted at power on

- PML OIDs to enable/disable XML Services and "Use Admin PW as Community name" were created
- Possible Kerberos authentication failures in mixed IPv4/IPv6 environments
- A defect in the handling of Append/Prepend strings for LPD queues was resolved.
- You may see a printer hang when using certain version of Web JetAdmin 10.x

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

LJ CM6040mfp Series Printers	(Datecode: 20090605 52.041.5)
Stapler Stacker/Mailbox (Q6998A)	[MT01.37]
Multifunction Finisher (Q6999A)	[MT01.37]
Embedded JetDirect	V.36.40.FF
Copy Processor Board	05.011 (0.0)
Scanner Control Board	KAU003 3.7
Analog Fax Accessory (Q3701A)	2.37m
DC Controller	10.097 (40)

You may see improvements for the problems mentioned below by updating your MFP's firmware with revision **52.031.1**

FIRMWARE DATECODE: **20081205 52.031.1**

ENHANCEMENT:

Base:

- First Page Out speed improvement

Embedded Digital Sending:

- No new updates

FIXES:

Base MFP:

- Double spaces are inputted if Korean keyboard layout is selected (default)
- Very slow performance when printing certain file.
- The Configuration page and other internal pages of the device are not localized in Greek

- The Configuration page and other internal pages of the device are not localized in Russian
- Device localization now available for Catalan
- Resend RFU Via USB Dev Port message may appear on the Front Control panel.
- You may see a 49.2Fxx error occur upon boot up or coming out of Powersave.

Embedded Digital Sending:

- When added to HP Digital Sending Software and configured for Novell Authentication, the control panel user interface may shift off screen

Analog Fax:

- Canceling a fax job may take longer than expected when canceling job from the front control panel.
- Modem Fail 82 or Modem Fail 84 error messages may be generated with some sent faxes
- Job Fail or Communication Errors may be generated with some received faxes
- Some stored fax jobs may not be printable
- The control panel may display "Connecting" for an extended period of time when sending or receiving a fax job
- The control panel may improperly display an error message during fax jobs

Embedded Jetdirect:

- No new changes

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

LJ CM6040mfp Series Printers	(Datecode: 20081205 52.031.1
Stapler Stacker/Mailbox (Q6998A)	[MT01.35]
Multifunction Finisher (Q6999A)	[MT01.35]
Embedded JetDirect	V.36.37.FF
Copy Processor Board	05.010.0
Scanner Control Board	KAU003 3.7
Analog Fax Accessory (Q3701A)	2.36v
DC Controller	10.093

You may see improvements for the problems mentioned below by updating your MFP's firmware with revision **52.021.7**

FIRMWARE DATECODE: **20080816 52.021.7**

ENHANCEMENT:

Base:

- Now supporting color mode for FIH interface
- Support added for HP High-Performance Secure Hard Disk (Encrypted Hard Disk accessory)
- The ability to control the order in which stored Print and Copy Jobs are retrieved has been added to the device. In addition the ability to retrieve all jobs stored with a PIN and or without a PIN has been added back to the user interface. To control the order in which the jobs are retrieved access the following menu found under the ADMINISTRATION ICON
ADMINISTRATION>MANAGEMENT>STORED JOB MANAGEMENT>Stored Job List Order

Embedded Digital Sending:

- Send to FTP can now be configured to add a timestamp to the destination file name
- Users can now set the name of the Send to Email attachment
- Send to FTP can now be configured to disable the access verification (send FTP test file) of the destination directory for every job
- Timeout for send to FTP jobs increased to better handle network latency

FIXES:

Base MFP:

- Some Korean characters combinations appear as if they are being combined with other characters on the HP Easy Select Control panel.
- When coping, stapling preview is misleading for Letter-R jobs.
- Some Katakana input shows Hiragana characters for a palatalized or labio-velarized syllable.
- The default keyboard for user and password authentication login is full-width when set to Japanese.
- The Digital Sending log file saved in the Log menu of the EWS Digital Sending page may contain erroneous characters when set to Japanese localization.
- A Prompt is missing that tells the user to hold the hard keys to select a candidate. This is seen when using Chinese IME for selecting a candidate when using the hard key button associated to the candidate.
- When the HP Easy Select Control panel is set to the Greek language you will see incorrect characters for Edge to Edge found under the Copy Icon
- orientation unexpectedly changes from PORTRAIT to LANDSCAPE choosing TOP EDGE staple option, staples SIDE

- device will not staple TOP EDGE (Short Edge) when rotated ORIGINAL size is selected and correctly output.
- device incorrectly changes orientation and won't staple LEFT EDGE (Long Edge) with rotated ORIGINAL size
- LTR-R, LGL and OTHER original sizes incorrectly disabled if TOP EDGE staple selected after LTR-R original
- valid staple option incorrectly set to NONE without notice when ORIGINAL paper size is changed
- ALL original paper sizes but LTR, LTR-R, A4, and A4-R are incorrectly DISABLED with TOP EDGE staple set
- Multiple page ESNF jobs fail when the HP Easy Select Control panel language is set to Korean or Simplified Chinese
- A Japanese full-width SPACE character in fax header for the company name shows an erroneous character on a received fax.
- Japanese search is not available for searching Fax Speed Dial.
- The list presented for the selectable keyboard defaults to the beginning of the list instead the selected layout.
- Japanese characters may show up as garbled text when placed in the file path string for the Print feature found under the Print menu / Information tab of the Embedded Web Server
- The label of "Name" for the Address Book Detail dialog is not consistent with the string of the entry label.
- The help page for the Save To Folder menu of EWS Digital Sending page displays garbled when user opens with a localized Japanese version of an internet browser.
- The Date and Time is displayed incorrectly on the HP Easy Select Control panel when the language is set to Korean
- Stroke has been removed from the sequence of input methods for Traditional Chinese using the soft touch keyboard
- Conversion list includes candidates of unexpected prediction when Simplified Chinese IME is the default.
- Conversion list includes candidates of unexpected prediction when Traditional Chinese IME is the default.
- Korean input keyboard doesn't show all the characters when the SHIFT key is on.
- Japanese IME doesn't move cursor to the first part of the string if the rest of the string includes only katakana characters.
- Korean input method doesn't construct a word with mixture of consonants and vowels. It doesn't manage the final consonant, called patch'im, for example
- Can not print multiple copies of stored jobs when selecting "All Files"
- Toner status alert may contain erroneous characters in Japanese localization
- Incorrect Japanese localization on Stored Jobs screen
- The explanations provided for Slovak on-line control panel information was extremely abbreviated
- When using the Globe icon to change languages, response may be slow in Asian languages. After the initial selection of a language, it is now cached.

- EWS may hang if the domain values are not set first in WJA

Embedded Digital Sending:

- Deleting and reconfiguring a Kerberos default realm may require a disk initialization when only one realm is configured on the MFP
- Kerberos authentication can now be properly configured using the latest version of Web Jetadmin 10.X
- Under rare circumstances a user may not be able to initiate a send to FTP job if one is already in progress
- Scanning a Black/White TIFF job with G4 compression from a ChaiDSE application generates an 8-bit greyscale image instead of 1-bit Black/White

Analog Fax:

- NoAnswer or ModemFail(0) can be caused by incoming ring just before dialing another fax number
- Fax Time Stamp does not show the final retry time. It only showed the first try time.
- It may take 45-90 minutes to receive a one page fax, and may result with an error.
- The last digit of the incoming fax number is missing on the fax activity log when the received fax is from a non-hp fax device.
- A 49.4C01 error may occur after a firmware upgrade is performed on a device that is used primarily for faxing and/or has been in service for a long period of time.
- Occasional ModemFail, CommunicationError and PageFail error codes in the error report
- Firmware upgrade may fail to upgrade to the correct modem (fax) FW version.
- Faxing while the device is printing often causes modem error or error during printing
- Some Japanese Full-width texts on the Fax Header are covered by black in the bottom half area.

Embedded Jetdirect:

- A 49.FF03 error may occur when performing a digital send job using Kerberos authentication

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

LJ CM6040mfp Series Printers	(Datecode: 20080816 52.021.7)
Stapler Stacker/Mailbox (Q6998A)	[MT01.35]
Multifunction Finisher (Q6999A)	[MT01.35]
Embedded JetDirect	V.36.37
Copy Processor Board	05.010.0
Scanner Control Board	KAU003 3.7
Analog Fax Accessory (Q3701A)	2.36k
DC Controller	10.087

You may see improvements for the problems mentioned below by updating your MFP's firmware with revision **52.012.0**

FIRMWARE DATECODE: **20080405 52.012.0**

ENHANCEMENT:

Base:

- With the release of this firmware roll HP has added IME (input Method Editor) functionality for the following languages: Japanese, Traditional Chinese, Simplified Chinese and Korean.
Functionality added includes:
 - Use of the input keyboard on the control panel
 - Language specific input keyboard
 - 10-key keypad support using an overlay
 - Enter and converting of text
 - Use of the Address Book
 - Adding entries in the Address Book
 - Searching for entries in the fax Address Book
 - Auto-complete of an e-mail addressVisit www.hp.com for the Asian Addendum Manual to learn more about this feature or contact you local in country Hewlett Packard support provider.
- The user can now choose an alternative keyboard layout when using the keyboard that is presented with any feature that use one. The icon that allows this selection can be enabled from the following HP Easy Select Control Panel Menu: Administration>Device Behavior>Keyboard Layout Button
- Ability to view Stored Jobs from Web pages with the beginning of the URL path as opposed to the web page file name.
-

Embedded Digital Sending:

- Embedded Send to Network Folder can now be configured to send to a user's home directory
- Embedded Send to Network Folder has added support for Distributed File System (DFS) folder destinations

Analogue Fax:

- Add WJA support for Reverse Fax Number Lookup

FIXES:

Base MFP:

- You may see some of the default copy options not persisting after a reboot.
- Possible scanner hang when cancelling an ADF job, then restarting a new one.
- Disk initialization does not properly clear authentication assignments
- Event log status message is incorrectly being displayed on UI after 30.01.XX scan failures.
"Common Access Card authentication added. NOTE: Version 1.21 of the CAC Authentication Agent is required."
- Kerberos authentication fails when public credentials are used and Simple is configured as the LDAP server bind method
- You may see a 49.4CF0 when printing certain types of PDF files.
- Back Slash/ Arrow Key is missing in keyboard layout for Czech, Danish and Finnish.
- In the Embedded Web Server the USE DEFAULTS button may not be functional for Custom DST.
- When selecting the Edge-to-Edge featuring while copying B5 media size you will receive a black page.
- "Warming Up" improperly localized in Russian
- You may see a 49.234A when performing a Media Sensor Calibration through the Service menu.
- You may see a slow down in print speed when not stapling is a stapling device is present.
- You may see a 49.4C02 error when posting status messages from Chai SOE concurrently.
- You may see a 49.00FF error when printing a large number of print job right out of sleep mode.
- Language support has been added for the following languages: Romanian, Croatia, Slovenian, Slovak and Greek
- A 57.09 error will be shown on the Control Panel and a different error of 57.03 will be logged in the Event Log.
- Non-English virtual keyboard layouts are inaccessible
- If the Create Stored Copy Job feature is removed w/EWS Stored Print jobs cannot be deleted or retrieved
- SMTP server can't be configured by hostname from WJA
- Kerberos Authentication can now be configured to support multiple domains
- Address Book Search is now available in Japanese
- The user can now choose an alternative keyboard layout when using the keyboard that is presented with any feature that use one. The icon that allows this selection can be enabled from the following HP Easy Select Control Panel Menu: Administration>Device Behavior>Keyboard Layout Button
- Missing characters of language menu items in Japanese mode.
- In Japanese some of the non Japanese characters are not rendered correctly
- Romaji keyboard with MFP language other than CJK
- Service Errors on paper type selection when inside a Chai App
- EWS Localization in Autosend is not Consistent for the Word "Test" in Portuguese

Embedded Digital Sending:

- The Try Again Email Setup Prompt string is incorrect in 14 languages.
- Character limit for custom email message subject has been increased for Embedded Send to Email
- Specifying a filename disables the create directory based on username feature in embedded send to network folder
- Initial setup of send to home directory causes erroneous "Access Denied" notification in HP Digital Send Software
- MFPs could generate truncated Send to FTP output
- When configured to send to home folder in HP Digital Sending Software, the folder destination would not retain after changing the filename
- Embedded Send to Network Folder could fail with a 49 error when sending a PDF file to a folder with a long folder name
- MFPs could pass credentials multiple times when performing send to network folder
- Users options are not loaded properly when login and return to home menu and going to email options again.

Analog Fax:

- Speed Dial number missing from printed Speed Dial list
- Fax printing schedule does not handle 12:00 AM/PM correctly.
- Fax does not fall back to v.17 correctly, resulting in increased fax failures.
- Retry after fax error increased from 15 seconds to 60 seconds
- Fax T30 reports may never delete from hard disk
- Internal Fax revision number missing from EWS Configuration page
- Fax Call Report may fail to print when Thumbnail option is set to 'Yes'.
- Thumbnail missing on call report for first PC Fax sent
- Fax report headers may overlap
- Number of pages added to fax notification (printed and/or email)
- The characters + - () [] * are not available in the Fax address book fax number field

Stapler Stacker/Mailbox

HP Booklet Maker/Finisher (CC516A) Firmware Revision: MT01.35

- No Update

HP 3-Bin Stapler/Stacker (CC517A) Firmware Revision: MT01.35

- After removing paper from the output bins, the printer will continue to indicate Bin Full.
- You may see a slow down in print speed when not stapling is a stapling device is present.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

LJ CM6040mfp Series Printers	(Datecode: 20080405 52.012.0)
Stapler Stacker/Mailbox (Q6998A)	[MT01.35]
Multifunction Finisher (Q6999A)	[MT01.35]
Embedded JetDirect	V.36.35
Copy Processor Board	05.010.0
Scanner Control Board	KAU003 3.7
Analog Fax Accessory (Q3701A)	2.36i
DC Controller	10.087

FIXES AND ENHANCEMENTS PROVIDED WITH PREVIOUS FIRMWARE REVISIONS:

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

The previous firmware revision, **20080118 50.003.0**, was the initial release version for the LJ CM6040mfp.

Installation Instruction

NOTE: Please be aware that an update in some circumstances may require approximately ten minutes to complete.

Upgrading firmware to a single device

You can send an .RFU 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. Press the green checkmark button.
3. Use the arrow keys and select the "INFORMATION" selection on the control panel.
4. Use the arrow keys and select the "PRINT CONFIGURATION" selection.
5. Press the green checkmark button to print the Configuration Page.

On the printed CONFIGURATION page look in the section marked "Device Information" for the firmware date code. The firmware date code will look something like this: **20080405 52.012.0**

NOTE: If the firmware update involves a change in the format of NVRAM, the NVRAM settings will be lost and must be set again by the customer.

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 will depend on a number of things including the speed of the host computer sending the update and the I/O method (parallel, 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 .RFU job in the queue will be printed before the .RFU update is processed.

NOTE: When the upgrade process has completed the printer will reboot. Once the printer is back online, print a Configuration Page and verify that the new firmware has been installed.

Using FTP from Internet Explorer

Take note of the TCP/IP address on the configuration pages.

NOTE: This method is not recommended if Internet Explorer 7 is installed on your pc due to frequent FTP timeouts. A stand-alone FTP client program is recommended.

1. Insure the "Enable folder view for FTP sites" box is checked on the Advanced tab under Tools/Internet Options.
2. Open the browser and type ftp://192.168.0.90 (this is an example).
3. Use the TCP/IP address of the printer from step 1). The display will show a folder labeled Port 1.
4. Open Windows Explorer and navigate to the directory where the .rfu file is located.
5. Drag the rfu file from Windows Explorer to the Port 1 folder in step 2.
6. Verify the printer's control panel displays "Performing Upgrade"

NOTE: When the upgrade process has completed the printer will reboot. Once the printer is back online, print a Configuration Page and verify that the new firmware has been installed.

Updating firmware using "HP Easy Firmware Upgrade" utility

Important Notes:

Do not power cycle the MFP or the PC during this process or the MFP may become unstable and or unusable.

Please be aware that an upgrade in some circumstance may require ten minutes or more to complete.

When the upgrade process has completed the LaserJet will reboot. Once the printer is back online, print a Configuration Page and verify that the new firmware has been installed.

Please see the section "Expected device messages during an upgrade" for more information on messages on the control panel during an upgrade.

Update process

1. Download the HP Easy Firmware Upgrade utility file to the desktop.
2. Double click on the HP Easy Firmware Upgrade utility file. A dialog box with the name of the printer will open.
3. Use the drop down arrow to select the printer you wish to upgrade. If the device you wish to upgrade is not in the list, you must install a print driver for the device and be able print to the device with the print driver before continuing.
4. Click on the "Send Firmware" button.
5. The progress bar will begin to move to the right indicating information is being transferred.
6. On the PC, a smiling face will appear in the HP Easy Firmware Upgrade utility dialog box when the file has completely transferred to the computers spooler.

Depending on the speed of your PC, the firmware upgrade process may or may not complete on the MFP before the progress bar on the screen completes.

7. Once the MFP reboots the firmware upgrade will be complete.

For Windows Systems

a) Using Command Prompt:

copy /b FILENAME \\SHARENAME\PRINTERNAME

where FILENAME is the name of the .RFU file, <SHARENAME> is the name of the machine, from which the printer is being shared, and <PRINTERNAME> is the printer's share name (do not type the angle brackets).

If the device is attached locally, then the .RFU file can be sent directly to the printer with a COPY command from a command prompt or DOS window:

b) Using USB:

Before you can send a firmware upgrade through the USB port, you need to know the name of the computer the printer is connected to, and you need to enable printer sharing. These steps are for Windows® XP. Other versions of Windows operating systems are similar, with slightly different operations.

How to find out the name of your computer:

1. Click the Start button, Programs, Accessories, System Tools, and then choose System Information.
2. You will find your computer's name in the right window-pane next to System Name.
3. Write down this name as it will be needed later.

How to share the connected printer:

1. Click the Start button, Settings, then Printers and Faxes.
2. Right-click the printer you need to send the upgrade to, then choose Sharing...
3. Choose the radio button labeled Share this printer.
4. Type a name for the share. Make it short and easy to remember.
5. Click Apply and write down the share name, as it will be needed later.

1. For example: "HP LaserJet mfp"

2. How to send the firmware upgrade using a USB connection:

1. Open a DOS Command Prompt (in Windows NT® 4.0, 2000, or XP, click Start, Run, then type CMD and press OK, or in Windows 9x click Start, Programs, Accessories, and then click MSDOS Prompt.) and locate the directory where you saved the firmware file.
2. Type: copy /b filename [\\computer](#) name\share name
3. For example: copy /b ljXXXXmfpfw_0X.00X.X.rfu [\\computer1\HP LaserJet mfp printer](#)
3. Press Enter.

NOTE: When the upgrade process has completed the LaserJet will reboot. Once the printer is back online, print a Configuration Page and verify that the new firmware has been installed.

c) Using FTP:

If your HP LaserJet product uses a direct network connection, you can use file transfer protocol (FTP) to update your HP LaserJet firmware. Take note of the TCP/IP address on the configuration pages.

NOTE: Make sure that the printer is not in Powersave mode. Also, make sure that any error messages are cleared from the control panel display.

1. Open a DOS command window on your computer.
2. Type ftp <TCP/IP PRINTER ADDRESS>(for example, if the TCP/IP address is 192.168.0.90, type ftp 192.168.0.90).
3. Press ENTER on the keyboard.
4. When prompted for user name and password press ENTER for each.
5. Type *bin* at the >prompt.
6. Press ENTER.

7. Type: put <path> where <path> is the location where the .RFU file was downloaded from the Web. For example, type:

put C:\LJXXXX\ljXXXXFW.RFU

8. Press ENTER.
9. Type "bye" at the command prompt once the download process begins and the firmware is updated on the printer
10. Press ENTER to exit the FTP session.

NOTE: When the upgrade process has completed the LaserJet will reboot. Once the printer is back online, print a Configuration Page and verify that the new firmware has been installed.

For UNIX Systems

Any method that delivers the .RFU file to the printer will work, including:

\$ cp /home/yourmachine/FILENAME /dev/ <XXXX>

where XXXX is the appropriate parallel device; and where /home/yourmachine/FILENAME contains the .RFU file.

For Macintosh Systems

a) Mac OS System Terminal Application (FTP)

1. Open the Terminal application found in the Utilities folder; a terminal window will appear.
2. After the % symbol enter following information:

ftp <<your printers IP address>>(example - % ftp 192.0.0.192)

The terminal window will list that you are connected to the printer and the JD FTP Server is Ready.

3. Press the enter key twice. Both the Username and Password can be blank
4. Enter the following information after ftp>:

put <<path/Firmware File Name.rfu>>(Example - ftp> put /users/computername/Desktop/laserjet_fw.rfu)

Note: To ensure that the entire proper path to the .rfu file is placed in the put command, type in put and a space, then click and drag the .rfu file on to the terminal window. The complete path to the file will be placed after the put command.

NOTE: When the upgrade process has completed the LaserJet will reboot. Once the printer is back online, print a Configuration Page and verify that the new firmware has been installed.

b) Remote firmware upgrade using HP Printer Utility

The HP Printer Utility is a software program that gives you access to the product in Mac OS X.

The HP Printer Utility is available in Mac OS X V10.3 and later. The HP Printer Utility does not work when it is installed by using the AppleTalk protocol.

Use IP, Bonjour, Rendezvous, or a USB connection to enable the HP Printer Utility.

The HP Printer Utility can be found on the Administrator software CD ("Admin CD") that came with the product.

If you do not have the CD, you can obtain the HP Printer Utility by downloading the latest product installer from the following Web sites:

www.hp.com/support/cljcm6030mfp or www.hp.com/support/cljcm6040mfp

Complete the following steps:

1. Open the HP Printer Utility:
2. (OS X v 10.4 and 10.5) The utility can be found in the Application/Utilities folder by choosing the HP Printer Selector.
3. (OS X v 10.3) The utility can be found in the Library/Printers/hp/Utilities folder.
4. Choose your printer from the list, Press Select and continue with step 7.
 - a. If a list does not appear, click on the printer icon in the lower left corner.
 - b. Choose your printer from the list, Press Select and continue with step 7.
5. If the product does not appear, click More Printers.... The Connection Type screen will appear.
6. Choose the connection type (USB or TCP/IP). Choose the product name or enter in an IP address.
7. On the Connection Type screen, click Add. The Select Printer screen will now appear.
8. Choose your printer from the List and Press Select.
9. You are now in the HP Printer Utility.
10. Select Update Firmware on the left side of the window, click Choose, browse to firmware upgrade file, and then click Open.
11. On the Update Firmware screen, click Update.

Using HP Web Jet Admin 7.x or 8.X

Download the appropriate firmware update file from hp.com to a folder on your PC or the Web JetAdmin server.

1. Start Web JetAdmin 7.x or 8.x.

2. From the Navigation section of the screen select the "Device management" selection from the dropdown menu. This is located in the top left hand section of the window.
3. Choose the "Device List " folder and select one of the following depending on what list your device/s are located under:
 - All Devices
 - Ungrouped Devices
 - New Devices

You can also select the "Device Groups" folder if a device group has been created for the device/s you want to update

4. Once you have selected you list or group that your device is located in highlight the device/s you want to update from populated Device List or Device Groups List on the right hand section of the window.
5. Select "Update Printer Firmware from the Device Tools drop down on the top right hand section of the window.
6. Click the "Browse" button and locate the correct firmware image.
7. Select the file and Click on the "OK" button.
8. Select the "Update" button, found in the lower right portion of the window to start the update process.

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.

Using HP Web Jet Admin 10.x

NOTE: HP Web Jetadmin can be configured to get firmware details from hp.com directly. Use Tools, Options, Shared, Network, HTTP to add HTTP proxy details (if needed) and to enable "Allow download". "Allow download" is required for HP Web Jetadmin to communicate with the Internet. Once these settings are enabled, HP Web Jetadmin may be able to get firmware listing and firmware image files directly from HP.com if this is allowed on the network where HP Web Jetadmin is running.

1. Start Web Jetadmin 10.x
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.

If the correct firmware version does not appear on the list, you will need to manually upload it. New firmware may be available on an FTP site prior to appearing on hp.com. The instructions below allow you to upload a RFU file from your local PC to WJA 10:

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 .rfu file on your local PC
5. Click "Upload"
6. Once the .rfu file is uploaded, go back to step 2 in the first section and complete steps 2 through 6.

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.

Expected device messages during an upgrade

The device displays three messages during a normal update process:

Printer message	Explanation
RECEIVING UPGRADE	Displayed from the time the device recognizes the beginning of an .RFU update until the time the printer has verified the validity and integrity of the .RFU update
PERFORMING UPGRADE	Displayed while the device is actually reprogramming the DIMM with the .RFU update
WAIT FOR PRINTER TO REINITIALIZE	Displayed from the time the device has finished re-programming the code until the printer reinitializes.

NOTE: To verify that the firmware update succeeded, print a Configuration page from the printer's control panel and verify the firmware datecode shown on the Configuration page is the same as the datecode of the .RFU file you downloaded.

Troubleshooting a Firmware Update

The following table lists causes and results for possible interruptions to the firmware update.

CAUSE	RESULT
Job cancelled from printer control panel	No upgrade has occurred. Resend upgrade
Break in I/O stream during send (for example, parallel cable removed)	No upgrade has occurred. Resend upgrade.
Power cycle during RECEIVING UPGRADE	No upgrade has occurred. Resend upgrade.
Power cycle during UPGRADING PRINTER	Resend upgrade.
Power cycle during WAIT FOR PRINTER TO REINITIALIZE	Upgrade completed.

Print jobs sent to the printer while an update is in process will not interrupt the update.

The following table lists possible reasons for the failure of a Remote Firmware Update and the corrective action to take for each situation.

REASON FOR FIRMWARE UPDATE FAILURE	CORRECTIVE ACTION
.RFU file corrupted	The device will recognize that the file is corrupted and will reject the update. Download the image again from the http://www.hp.com Web site and send the new file to the printer.
Wrong printer model	The device will recognize the model in .RFU file mismatch and will reject the update. Download the correct image from the http://www.hp.com Web site and send it to the printer.
Update interrupted.	No updated has occurred. Resend the upgrade package.

System Requirements

The RFU upgrade requires either, a network, USB or parallel 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 LaserJet CM4730 MFP Series Support:
<http://www.hp.com/go/support>
- URL for Software and Support:
http://www.hp.com/go/ljCM4730mfp_firmware
- URL for Access HP:
<http://www.hp.com>
- FTP address:
<ftp://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.

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## Axis2/c

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====

```
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 * hash.c: chained hash tables
 *
 * Reference: Your favorite introductory book on algorithms
 *
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 *
 * Author: breese@users.sourceforge.net
 */
```

====

```
/*
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 *
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```

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\*  
\* Author: Gary.Pennington@uk.sun.com  
\* /

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/\*\*\*\*\*

\*  
\* \$Id: trio.h 1886 2003-04-03 15:28:28Z veillard \$  
\*  
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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

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