

LASERJET ENTERPRISE M601/M602/M603 PRINTER SERIES Firmware Readme

Product Name(s): HP LaserJet M601n • HP LaserJet M601dn

Model Number(s): CE989A, CE990A

Product Name(s): HP LaserJet M602n • HP LaserJet M602dn • HP LaserJet M602x

Model Number(s): CE991A, CE992A, CE993A

Product Name(s): HP LaserJet M603n • HP LaserJet M603dn • HP LaserJet M603xh

Model Number(s): CE994A, CE995A, CE996A

This document contains information for the firmware revision number:

Firmware Datecode: 20230131

Firmware Revision: 2309088_001480

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.12

Description

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Legal Statements

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- OPEN-SOURCE SOFTWARE LICENSE AGREEMENTS (In English)
- License and Copyright

Description

This Readme file provides specific installation instructions and other information you should know before you perform a firmware update for your HP 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 Firmware bundle?

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

Who needs this firmware?

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

Determining the current version level of your firmware

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

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

1. Go to the printer's control panel.
2. Press the **Home** or **OK** button.
3. Scroll down to the **Administration** menu and press **OK**.
4. On the **Reports** menu press the **OK** button.
5. On the **Configuration/Status Pages** menu press **OK**.
6. Scroll down to the **Configuration page** option and press **OK**.
7. Scroll back up to the top to the **Print** option and press **OK**.

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

Firmware Datecode: 20110811
Firmware Revision: 2131029_189665

IMPORTANT NOTE:

This firmware file requires an interactive update method. You CANNOT update these Product(s)/Model(s) using the traditional FTP, LPR or Port 9100 methods of

upgrading. Please use one of the following methods listed below to update the firmware of this device.

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20230131

Firmware Revision: 2309088_001480

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.12

For information on HP Security Bulletins addressed by firmware releases, please visit: <https://support.hp.com/security-bulletins>

To initiate a subscription to receive future HP Security Bulletin alerts via email, visit: <https://www.hp.com/go/alerts>

ENHANCEMENT:

Base:

- No new updates

Security/Authentication:

- No new updates

Embedded JetDirect:

- No new updates

FIXES:

Base:

- The lock icon no longer appears in the Embedded Web Server's Access Control menu for Device Guests even though the device still has restricted access.

Security/Authentication:

- No new updates

Embedded JetDirect:

- No new updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
Firmware Datecode	20230131
Firmware Revision	2309088_001480
Embedded JetDirect	JDI23900053
DC Controller Version	5.121
HP Fleet Release Designation	FutureSmart 3.9.12
MD5 checksum for .bdl file	83583bfd128c0d4b7ecf3837d2fcdee

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20220826

Firmware Revision: 2309081_001341

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.10

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ENHANCEMENT:

Base:

- No new updates

Security/Authentication:

- No new updates

Embedded JetDirect:

- No new updates

FIXES:

Base:

- Incorrect printed page order may occur when printing from Tray 1 with specific jobs.
- The device will not reboot if selecting the "Restart Product" button within the Embedded Web Server's Remote Control Panel menu.
- Email alerts for Cartridge status are not getting sent after FW upgrade.

Security/Authentication:

- No new updates

Embedded JetDirect:

- No new updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
Firmware Datecode	20220826
Firmware Revision	2309081_001341
Embedded JetDirect	JDI23900053
DC Controller Version	5.121
HP Fleet Release Designation	FutureSmart 3.9.10
MD5 checksum for .bdl file	36b285003e1b20b503db17f5d1a4d36d

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20220214

Firmware Revision: 2309059_000599

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.9

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ENHANCEMENT:

Base:

- No new updates

Security/Authentication:

- No new updates

Embedded JetDirect:

- No new updates

FIXES:

Base:

- Updated the JQuery version.

Security/Authentication:

- No new updates

Embedded JetDirect:

- Updated the network stack.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
Firmware Datecode	20220214
Firmware Revision	2309059_000599
Embedded JetDirect	JDI23900050
DC Controller Version	5.121
HP Fleet Release Designation	FutureSmart 3.9.9
MD5 checksum for .bdl file	5fb52366eac6ff04143956febb94a2d3

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20210730

Firmware Revision: 2309055_000436

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.8

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ENHANCEMENTS:

Base:

- No New Updates.

Security/Authentication:

- No New Updates.

Embedded JetDirect:

- No New Updates.

FIXES:

Base:

- No New Updates

Security/Authentication:

- The Microsoft KB5004238 update (which includes fixes for KB5005408) will cause all smartcard authentications to fail.

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20210730

Firmware Revision: 2309055_000436

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.8

ENHANCEMENTS:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20210730 Firmware Revision: 2309055_000436
Embedded JetDirect:	JDI23900047
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.9.8
MD5 checksum for .bdl file	b1c974cd6c342960a2ad5ccc1816d6f4

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20210317

Firmware Revision: 2309046_000287

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.7

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ENHANCEMENTS:

Base:

- No New Updates.

Security/Authentication:

- No New Updates.

Embedded JetDirect:

- No New Updates.

FIXES:

Base:

- HP Webservices will stop working and the printer will lose its connection to HP Connected on the web. You may see an error "Could not communicate with HP Connected, or Unable to contact HP Connected" when you try to enable HP Web Services.
- Third party solutions created in 2021 will not be able to load on the device through the solution installer page.

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20210317

Firmware Revision: 2309046_000287

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.7

ENHANCEMENTS:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20210317 Firmware Revision: 2309046_000287
Embedded JetDirect:	JDI23900042
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.9.7
MD5 checksum for .bdl file	13f1a44cfbb0115996bb42e5a75fb2b9

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20191213

Firmware Revision: 2309025_582113

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.6

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ENHANCEMENTS:

Base:

- No New Updates.

Security/Authentication:

- No New Updates.

Embedded JetDirect:

- No New Updates.

FIXES:

Base:

- 49.4A.04 error may occur intermittently when printing from certain types of customized applications.

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20191213

Firmware Revision: 2309025_582113

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.6

ENHANCEMENTS:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20191213 Firmware Revision: 2309025_582113
Embedded JetDirect:	JD123900042
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.9.6
MD5 checksum for .bdl file	89a27d8aed4447e05b6e02be1db77701

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20190711

Firmware Revision: 2309021_581908

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.5

ENHANCEMENTS:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20190711

Firmware Revision: 2309021_581908

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.5

ENHANCEMENTS:

Base:

- No New Updates

Security/Authentication:

- Added an updated digital signature verification for aftermarket solution bundles during installation. Currently installed solutions are not affected. Customers and resellers should work with solution providers for an updated signature-compliant version of their software.

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- Some SmartCard solutions may fail to communicate with the card reader properly causing the authentication dialog window to not appear.

Security/Authentication:

- CVE-2019-6334 - Solution application signature checking may allow potential execution of arbitrary code.

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20190711 Firmware Revision: 2309021_581908
Embedded JetDirect:	JDI23900041
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.9.5
MD5 checksum for .bdl file	7d04a0f120329fe2f1943ad025878887

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20190118

Firmware Revision: 2309010_581425

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.4

ENHANCEMENTS:

Security/Authentication:

- New security check will prevent installation of non-compliant aftermarket solution bundles. Currently installed solutions are unaffected. Please work with solution providers for an updated signature-compliant version of their software.

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20190118

Firmware Revision: 2309010_581425

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.4

ENHANCEMENTS:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- TLS 1.0 and Multicast IPV4 settings do not get backed up and restored properly.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20190118 Firmware Revision: 2309010_581425
Embedded JetDirect:	JDI23900041
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.9.4
MD5 checksum for .bdl file	cf63211e7354912736503fb724ffcb3b

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20180605

Firmware Revision: 2308974_579777

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.2

ENHANCEMENTS:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20180605

Firmware Revision: 2308974_579777

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.2

ENHANCEMENTS:

Base:

- No New Updates

Security/Authentication:

- Added a feature to prevent Cross-site Request Forgery (CSRF) exploits. This guards against a malicious exploit where unauthorized commands are sent to the EWS using the logged-on administrator credentials.

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- Under certain conditions 49.38.07 error is seen after receiving a fax job.
- Secure Erase feature does not work properly after replacing the device's Hard Disk Drive (HDD).

Security/Authentication:

- CVE-2018-5923 : Insecure Solution DLL Signature Validation.
- CVE-2015-9251 : jQuery before version 1.12.0 and 3.0.0 may be vulnerable to Cross-site Scripting (XSS) attacks

Embedded JetDirect:

- Cisco "ARP Proxy" feature is causing devices to decline the DHCP offer.
- Syslog Priority setting is not filtering properly.
- Device loses network connection after re-negotiating the link speed.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20180605 Firmware Revision: 2308974_579777
Embedded JetDirect:	JDI23900022
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.9.2
MD5 checksum for .bdl file	8ccc99937c79d3b0aefc4c8b96d6a30b

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20180301

Firmware Revision: 2308955_579094

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.1

ENHANCEMENTS:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- When printing from Mac OS High Sierra, error "undefinedresult, OFFENDING COMMAND" is seen.
- Unable to print certain PDF files from USB.

Security/Authentication:

- No New Updates

Embedded JetDirect:

- By default, the IPP queue was disabled and it was enabled only for CUPS client. This change includes enabling IPP queue by default, which improves IPP/IPPS performance significantly.

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

Firmware Datecode: 20180301

Firmware Revision: 2308955_579094

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9.1

ENHANCEMENTS:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- No New Updates

Security/Authentication:

- No New Updates
- No New Updates

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20180301 Firmware Revision: 2308955_579094
Embedded JetDirect:	JDI23900015
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.9.1
MD5 checksum for .bdl file	841d80e3a3a99a434c86186b2beae647

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20171213

Firmware Revision: 2308937_578503

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.9

ENHANCEMENTS:

Base:

- The Backup and Restore feature has been expanded to include JDI settings. Additionally, this feature has been expanded to allow creating a backup file and restoring that file to another device of the same model and firmware version as the backup file.
- Added support for "Any Size/Any Type" in cassette trays.
- This feature increases the number of allowed PIN users in the device's local address book; from 1000 to 2000.
- Optimized JPEG decompression library improves performance of print jobs with JPEG compressed images
- A new option has been added to delete the temporary jobs after 3 days.

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

Security/Authentication:

- Users now have the ability to disable printing from Help.
- Added two new features to improve the privacy and usability of retrieving stored jobs from the "Retrieve from Device Memory" application. Administrators can define what users first see when entering the "Retrieve from Device Memory" application. The default behavior has not changed, but administrators have a new setting in the embedded web server under "Security" [Tab] -> "Protect Stored Data" [Menu] -> "Managed Stored Jobs" [Section] called "Behavior when users are authenticated. If "Assist users to their jobs" is selected, users entering the application will immediately see their jobs provided a folder exists by their username (default behavior in the print driver when sending jobs) but can navigate back to the list of folders with jobs. Administrators will also note a new permission that is not activated by default in the embedded web server under "Security" [Tab] -> "Access Control" [Menu] -> "Sign In and Permission Policies" [Section] -> "Open from Device Memory application" [Control Panel Permission] for "Other Users' Jobs and Folders". If removing the permissions (e.g. for "Guest" and "Device User") a regular user will only be able to see their or guest jobs. If at the folder view they will only be able to see folders with at least one of their own jobs or a guest job within it except for the special folders like "Untitled" & "Stored Faxes". These two features can be used together to optimize the privacy & usability when users retrieve their stored jobs.
- Allow for nested group behavior on the EWS: Security>Access Control>Windows Setup. Nested AD groups may be configured to inherit parent permissions.
- Allows for authentication at devices using AD credentials instead of local device credentials via Web Jet admin.
- This firmware provides compatible HP and 3rd party solution software the ability to establish HTTPs communications through the Jetdirect networking interface. The protocol and encryption parameters for these solutions are now configured using the Jetdirect networking settings, allowing access to updated Jetdirect protocols and encryption. This option is available to HP and 3rd party solutions using the HttpWebRequest Class connection methods.
- This firmware addresses the following security issues: CVE-2005-4900– SHA-1 is not collision resistant, allowing for context-dependent spoofing attacks. Cipher suites containing the SHA-1 hashing algorithm can now be disabled by setting Encryption Strength to "High" within the "Mgmt. Protocols" page under the EWS Networking tab. These cipher suites will remain enabled/active if Encryption Strength is set to either "Medium" or "Low". Note: For devices with Encryption Strength set to "High", after

installing this firmware the Encryption Strength setting will be changed to "Medium" to allow continued access to SHA-1 cipher suites.

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- You may see a 49.00.FF error while performing a Direct TIFF print job.
- Setting Legacy resolution to 300 x 300 would not be retained after a power cycle.
- Print job size of 400mb or more not getting stored on the device disk memory.
- Disk resident fonts are not persistent after a power cycle.
- Paper type is displayed incorrectly on control panel when using Chinese.
- Wrong translation of control panel buttons in Czech.
- Certain PDFs were not printed correctly, text on PDF was getting printed as blocks.
- Improved Barcode scanning.
- Improvement in print performance of certain PDF files.
- You may see an Access Denied warning when trying to access the EWS even prior to entering in a Password.
- Under certain circumstances an SNMP GET request might receive a slow response which exceeds all client retries and timeouts. Sometimes the printer would never respond. This fix ensures that these circumstances do not prevent timely SNMP responses.
- Intermixing of pages is seen when printing mopy jobs.
- Embedded EPrint setting intermittently shows state as "Not Supported" instead of "Enabled/Disabled" via WJA.
- Using the Pages per Sheet N-Up printing feature provided with any version of the UPD PCL6 driver will give incorrect printed output.
- You may see improvements printing certain fonts.
- 49.38.07 error is seen when printing certain jobs with "reverse page order" setting enabled on a device without finisher.
- PS Error seen when printing certain documents greater than 40 pages.
- Added a Web Service object for the "Security" -> "Web Scan Auto Capture Jobs: Enable Remote User Auto Capture" feature which will allow Web Jet admin to fleet manage this setting with XTP Tickets where reservation less scanning for Network TWAIN is required.
- 49.4A.04 is seen when printing certain PDF files containing excessive numbers of XObjects on one or more pages
- Error 49.4A.04 is seen when reprinting certain jobs from Corel Draw.
- The PCL commands to call barcode fonts does not work when using asterisks
- 49.38.07 error is seen when printing certain PDF jobs in duplex.

- Color mismatch while printing certain PDF documents and selecting the CMYK profile in driver.
- Device stops responding to SNMP requests when we go to Device tab in WJA.
- USB volume name is not getting displayed correctly in Korean and other 2 byte languages.
- Missing graphics on pages when printing certain PCL5 jobs.
- Improvements in small job print performance.
- Display brightness value is getting reset to default on a power cycle.

Security/Authentication:

- Resolved issue where aftermarket authentication agents utilizing the OXPd protocol could inadvertently remove guest permissions to tabs (e.g. the Information tab) on the EWS page.
- "This firmware addresses the following security issue:
- CVE-2016-2183 – 3DES TLS/SSL Birthday Attacks on 64-bit Block Ciphers (SWEET32) Vulnerability."
- Re-added web services (removed in FS 3.8) to allow HP Jet Advantage Security Manager to manage the state of the Information tab in the embedded web server.
- Resolved redundant authentication prompts when accessing certain types of logs.
- This firmware addresses the following security issue: CVE-2017-2750 - Insecure Solution DLL Signature Validation.
- Added support for G&D FIPS-201 SIPR smartcards that are provisioned without encipherment certificates.
- When logging into the Embedded Web Server using Windows authentication, you may not be able to see all the tabs or options that you have been granted access to.
- This firmware addresses the following security issues:
 CVE-2017-13077: Reinstallation of the pairwise encryption key (PTK-TK) in the 4-way handshake. CVE-2017-13078: Reinstallation of the group key (GTK) in the 4-way handshake. CVE-2017-13079: Reinstallation of the integrity group key (IGTK) in the 4-way handshake. CVE-2017-13080: Reinstallation of the group key (GTK) in the group key handshake. CVE-2017-13081: Reinstallation of the integrity group key (IGTK) in the group key handshake.
- This firmware disables the "TFTP Configuration File" setting to prevent unauthorized device resets.

Embedded JetDirect:

- Fixed "IP Address/Subnet is out of range. Check the field. IP=x.x.x.x Mask=x.x.x.x" error given when an IP address was entered with zero for the host number in the Access Control List.
- Buffers expanded to hold large DNS responses (70+ records). Previously only about 7 or 8 records were accepted.
- Trying to connect via the FTP may fail with certain applications.

- Fixed an issue where Windows Authentication would hang the printer.
- Product was generating Certificate Signing Requests with version number other than zero. RFC 2986 requires a version number of zero.
- Product was generating Certificate Signing Requests with version number other than zero. RFC 2986 requires a version number of zero.
- Printer crashes with 81.09.00 Embedded Jetdirect Error message when user sets Admin password from Telnet.
- Under certain circumstances during initial power-on, the DHCP Discover message is sent without a hostname (option 81). This fix ensures that option 81 is always present when applicable.
- The password input for "Import Certificate and Private Key" has been expanded beyond 16 characters.
- Default name when saving a CSR (Certificate Signing Request) is no longer "certificate.cer".
- Under certain circumstances the certificate validity check performed during the IKE portion of IPsec was done with the local printer time and not UTC time.
- If a Jetdirect 2900w is installed and two different wired networks are connected to the printer (one on the JD 2900w and one on the Jetdirect Inside connection), then it was possible (under certain circumstances) for the entire printer to become unresponsive.
- This fix prevents the printer from resetting the connection during an intervention event (paper out, paper jam, etc.) when printing using the LPD protocol. Previously, the connection would be reset after the TCP Idle Timeout had expired. Now it will wait indefinitely.
- The firmware had trouble parsing a long list of "additional records" in a DNS SRV response packet. This fix prevents the problems which were causing the device to crash with a 49.38.07 error code.
- Do not respond to pings during the DHCP process (after DHCP Discover).
- Retry 802.1x EAP Start process if unsolicited Request Identity is received after connecting to unsecured network.
- IPP attribute "printer state" is not returning the correct state when printing a port 9100 job.
- Updates to HTTPS communications for embedded aftermarket solutions.
- Some SSL requests from embedded solutions would fail due to corruption of the destination URL.
- Printer is showing offline after registering to Google Cloud Print.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20171213 Firmware Revision: 2308937_578503
Embedded JetDirect:	JDI23900012
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.9

MD5 checksum for .bdl file	35520735c5ecef4375d172cdb16317c
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Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20170922

Firmware Revision: 2308216_001082

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.8.0.3

ENHANCEMENTS:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20170922

Firmware Revision: 2308216_001082

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.8.0.3

ENHANCEMENTS:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- No New Updates

Security/Authentication:

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

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20170922 Firmware Revision: 2308216_001082
Embedded JetDirect:	JDI23e80129
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.8.0.3

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20170602

Firmware Revision: 2308214_000926

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.8.0.2

ENHANCEMENTS:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20170602

Firmware Revision: 2308214_000926

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.8.0.2

ENHANCEMENTS:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- No New Updates

Security/Authentication:

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

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20170602 Firmware Revision: 2308214_000926
Embedded JetDirect:	JDI23e80125
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.8.0.2

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20160820

Firmware Revision: 2308209_000586

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.8

ENHANCEMENTS:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20160820

Firmware Revision: 2308209_000586

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.8

ENHANCEMENTS:

Base:

- Introduced a secure pull print job purge feature where when using a pull print solution and there is a condition on the device that requires user intervention, a job purge mode will be tied to the inactivity timeout. Job purge is limited to up to 3 jobs in the current print queue. To enable, select "Cancel Print Jobs after Unattended Error" in the devices EWS Security - General tab.
- If the paper tray is set to "Any" size, when the tray guides are adjusted the "Any" size setting will be retained.
- Upgraded the font library to UFST 7.3.1. The focus areas are Error handling for TrueType fonts and OpenType CFF fonts.
- Mediatype "HP EcoSMARTLite" has been renamed to "HP EcoFFICIENT".
- Role-Based Access to EWS - provides ability to limit access to EWS items via defined roles. Note: If configured using 3.7.4, feature changes in next fleet

- release may cause some access controls to be lost. See white paper for details.
- Added functionality to allow users to cancel A3 jobs on A4 printers, mainly targeted for Pull printing customers.

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- You may see devices intermittently stop responding in complex print environments
- Improvement in print performance of certain PDF files.
- Resolves an issue where HP device with PaperCut solutions may result in users being unable to Authenticate or Pull Print. Within the PaperCut Administration Console the HP device is unable to be configured or the embedded device status reports the following error "Error: The server sent HTTP status code 400: BadRequest".
- EPrint error "Could not communicate with HPConnected.com. Some internal error happened, try again." is seen after upgrading firmware to FS 3.5.1 or later versions.
- A 49.38.07 error may be seen when printing PDF files using LPR.
- Improvement in print performance while printing certain PDFs using PS driver.
- PCLXL error is seen while printing PDFs with watermark.
- When PJL JOB START specifies a specific page to begin printing on (e.g. PAGE 20), the device correctly begins printing on the specified page. However, unsolicited PJL USTATUS PAGE responses would begin counting from Page 1 (Page 2 when printing duplex) instead of the specified JOB START page (e.g. PAGE 20). This has been corrected so PJL USTATUS returns PAGE counts beginning at the specific START PAGE.
- An indication that direct Tiff printing was supported with the Retrieve from USB feature was missing from control panel screen seen after opening the application on the control panel.
- Not able to change Tray Registration settings while EWS is in certain languages.
- Equitrac Authentication Agent sign-in agent is missing.

- If stop hard key is pressed while the device is in sign-in page of any application, the device does not recover and we are not able to access any application on home screen after that.
- PDF bar code not printed correctly.

Security/Authentication:

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

Embedded JetDirect:

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

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20160820 Firmware Revision: 2308209_000586
Embedded JetDirect:	JDI23e80125
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.8

Enhancements and Fixes provided with previous Firmware revision

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

Firmware Datecode: 20160225

Firmware Revision: 2307851_000040

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.7.01

ENHANCEMENTS:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20160225

Firmware Revision: 2307851_000040

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.7.01

ENHANCEMENTS:

Base:

Security/Authentication:

FIXES:

Base:

Security/Authentication:

This firmware addresses the following security issue:
CVE-2016-2244

Embedded JetDirect:

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20160225 Firmware Revision: 2307851_000040
Embedded JetDirect:	JDI23701070
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.7.01

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20160102

Firmware Revision: 2307781_551208

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.7

ENHANCEMENTS:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: xxxxxxxx

Firmware Revision: xxxxxxxx_xxxxxx

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.7

ENHANCEMENTS:

Base:

- The device now has the capability to directly print TIFF files from the walk up USB port.
- Added support for printing TIFF files.
- IPP Job Mandatory attributes and Page Overrides are supported in Airprint 1.5 phase 2.
- Additional support added for Code128, Code 3of9, OCR-A, and OCR-B.
- When No Media Type is specified in the job and Tray 1 is loaded and configured (ex: letter, cardstock), a prompt with the default media type is seen in the mount (default: plain). If we press "OK" then the tray will be seeded to the job size and type. If the user decides to not accept this change and selects the modify button and change the tray1 type and press ok, the mount comes back. What this means is that the user will not be able to use what is loaded and configured in Tray1 with the current job. This requirement provides the capability wherein an "Options" button is displayed instead of "OK" in the mount and once user presses Option button, he should be able to see two listings for Tray1, one with the current tray settings and one with the Job settings. Once user selects Tray1 with Job settings, Job size and Job type will be seeded in Tray1 and Job will get printed from Tray1. If user selects any other listing it will be treated as override of Job to tray settings.
- The ability to include stapling of custom media types is now supported in Quicksets.

Security/Authentication:

- Whitelisting ensures only authentic, HP firmware code that has not been tampered with is loaded into memory. If an anomaly is detected, the device reboots to a secure, offline state.
- Runtime Intrusion Detection checks for anomalies in system memory during complex firmware and memory operations. In the event an anomaly is detected, the device automatically reboots. If the Auto-recover feature is disabled, or the anomaly occurs twice within 30 minutes, the device reboots to a secure, offline state.

FIXES:

Base:

- Issue with enlarged text when printing specific PDF documents with General Office quality level selected.
- PCL XL error page is printed intermittently after retrieving the encrypted stored Jobs.
- 49.4A.04 error is seen when printing certain PDF documents using PS driver or Direct Print.
- 49.4A.04 error is seen when printing certain Microsoft Word documents using the Print feature in the EWS.
- Printing certain PDF files using the Print Feature in the EWS may result in a blank page being printed.
- Report pages are still able to be printed when Access Control has been locked down for those menu items.
- Slow printing observed when using direct PDF for scanned documents.
- Improvement in print performance of certain PDF files.
- Configuration page not printed in few localization languages (Croatian, Romanian, Slovak, Slovenian, Catalan, Indonesian, and Thai).
- Improved small job performance.
- While retrieving stored jobs, device hangs intermittently and control panel sub menus are not accessible.
- Device hangs in "processing" state intermittently.
- When printing specific PDF documents via UNIX, users can get a message regarding an Invalid Font, Failed reading start X ref number.
- Added the ability to support more characters when defining user defined paper types via the embedded web server.
- Troubleshooting tab localization is wrong in German Language.
- Improved remote control-panel allowing access to remote operators while the initial language and date/time wizard is open for new device installations as well as some error messages.
- Unable to receive toner cartridge low alert email from when toner threshold value is reached.
- You may see a delay in accepting data in the middle of a job or between jobs when using the Equitrac solution.
- HPAC15.0 does not read proximity card correctly when waking from sleep mode with OXPd1.7
- Keyboard layout setting is changed from "English (UK)" to "Japanese (Romaji)" after upgrading FW from 3.2.7 to 3.4.

- Accentuated characters missing with univers font on 3.4.
- Slow printing of specific PDF files.
- Slow performance on PPT files.
- The Esc E command is not resetting the PCL5 print environment when used with the Paper Type command.
- 'Lines on page may not print when using certain PS or PDF print files.
- Adding a WJA Template has the potential to produce a 46.23.1C error.
- You may see the devices intermittently stop responding to SNMPv3 queries after 2-3 weeks of up-time.
- "SNMP Value for hrMemorySize (OID 0.1.3.6.1.2.1.25.2.2.0) Reporting Incorrect Memory Size."
- Arabic words on WinForms have separated letters only.
- A 49.38.07 may be seen on the control panel for no apparent reason.

Security/Authentication:

- Home Screen Sign-In configuration (deny guest access) lost after firmware upgrade.

Embedded JetDirect:

- Telnet setting "Bonjour RCNFG" reverts to zero after power cycling the printer.
- Intermittent system hang seen on several or all devices on the same subnet at around the same time, devices are not even pingable.
- Upgrading from FS 3.4 will cause Bonjour protocol to be enabled - even if it was previously disabled.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20160102 Firmware Revision: 2307781_551208
Embedded JetDirect:	JDI23700069
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.7

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20160102

Firmware Revision: 2307781_551208

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.7

ENHANCEMENTS:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: xxxxxxxx

Firmware Revision: xxxxxxxx_xxxxxx

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.7

ENHANCEMENTS:

Base:

- The device now has the capability to directly print TIFF files from the walk up USB port.
- Added support for printing TIFF files.
- IPP Job Mandatory attributes and Page Overrides are supported in Airprint 1.5 phase 2.
- Additional support added for Code128, Code 3of9, OCR-A, and OCR-B.

- When No Media Type is specified in the job and Tray 1 is loaded and configured (ex: letter, cardstock), a prompt with the default media type is seen in the mount (default: plain). If we press "OK" then the tray will be seeded to the job size and type. If the user decides to not accept this change and selects the modify button and change the tray1 type and press ok, the mount comes back. What this means is that the user will not be able to use what is loaded and configured in Tray1 with the current job. This requirement provides the capability wherein an "Options" button is displayed instead of "OK" in the mount and once user presses Option button, he should be able to see two listings for Tray1, one with the current tray settings and one with the Job settings. Once user selects Tray1 with Job settings, Job size and Job type will be seeded in Tray1 and Job will get printed from Tray1. If user selects any other listing it will be treated as override of Job to tray settings.
- The ability to include stapling of custom media types is now supported in Quicksets.

Security/Authentication:

- Whitelisting ensures only authentic, HP firmware code that has not been tampered with is loaded into memory. If an anomaly is detected, the device reboots to a secure, offline state.
- Runtime Intrusion Detection checks for anomalies in system memory during complex firmware and memory operations. In the event an anomaly is detected, the device automatically reboots. If the Auto-recover feature is disabled, or the anomaly occurs twice within 30 minutes, the device reboots to a secure, offline state.

FIXES:

Base:

- Issue with enlarged text when printing specific PDF documents with General Office quality level selected.
- PCL XL error page is printed intermittently after retrieving the encrypted stored Jobs.
- 49.4A.04 error is seen when printing certain PDF documents using PS driver or Direct Print.
- 49.4A.04 error is seen when printing certain Microsoft Word documents using the Print feature in the EWS.
- Printing certain PDF files using the Print Feature in the EWS may result in a blank page being printed.
- Report pages are still able to be printed when Access Control has been locked down for those menu items.
- Slow printing observed when using direct PDF for scanned documents.
- Improvement in print performance of certain PDF files.
- Configuration page not printed in few localization languages (Croatian, Romanian, Slovak, Slovenian, Catalan, Indonesian, and Thai).

- Improved small job performance.
- While retrieving stored jobs, device hangs intermittently and control panel sub menus are not accessible.
- Device hangs in "processing" state intermittently.
- When printing specific PDF documents via UNIX, users can get a message regarding an Invalid Font, Failed reading start X ref number.
- Added the ability to support more characters when defining user defined paper types via the embedded web server.
- Troubleshooting tab localization is wrong in German Language.
- Improved remote control-panel allowing access to remote operators while the initial language and date/time wizard is open for new device installations as well as some error messages.
- Unable to receive toner cartridge low alert email from when toner threshold value is reached.
- You may see a delay in accepting data in the middle of a job or between jobs when using the Equitrac solution.
- HPAC15.0 does not read proximity card correctly when waking from sleep mode with OXPd1.7
- Keyboard layout setting is changed from "English (UK)" to "Japanese (Romaji)" after upgrading FW from 3.2.7 to 3.4.
- Accentuated characters missing with univers font on 3.4.
- Slow printing of specific PDF files.
- Slow performance on PPT files.
- The Esc E command is not resetting the PCL5 print environment when used with the Paper Type command.
- 'Lines on page may not print when using certain PS or PDF print files.
- Adding a WJA Template has the potential to produce a 46.23.1C error.
- You may see the devices intermittently stop responding to SNMPv3 queries after 2-3 weeks of up-time.
- "SNMP Value for hrMemorySize (OID 0.1.3.6.1.2.1.25.2.2.0) Reporting Incorrect Memory Size."
- Arabic words on WinForms have separated letters only.
- A 49.38.07 may be seen on the control panel for no apparent reason.

Security/Authentication:

- Home Screen Sign-In configuration (deny guest access) lost after firmware upgrade.

Embedded JetDirect:

- Telnet setting "Bonjour RCNFG" reverts to zero after power cycling the printer.
- Intermittent system hang seen on several or all devices on the same subnet at around the same time, devices are not even pingable.
- Upgrading from FS 3.4 will cause Bonjour protocol to be enabled - even if it was previously disabled.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20160102 Firmware Revision: 2307781_551208
Embedded JetDirect:	JDI23700069
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.7

Enhancements and Fixes provided with previous Firmware revision

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

Firmware Datecode: 20150609

Firmware Revision: 2305090_000468

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.5.1

ENHANCEMENTS:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20150609

Firmware Revision: 2305090_000468

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.5.1

ENHANCEMENTS:

Base:

- No New Updates

Security/Authentication:

- No New Updates

FIXES:

Base:

- After rebooting the printer, some customers may notice a significant drop in the percent life remaining in their High Yield Black Original LaserJet Toner (X) Cartridge.
- Added OID support for Cartridge Serial Number.

Security/Authentication:

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

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20150609 Firmware Revision: 2305090_000468
Embedded JetDirect:	JDI23500067
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.5.1

Enhancements and Fixes provided with this Previous Firmware revision

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

Firmware Datecode: 20150425

Firmware Revision: 2305083_000199

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.5

ENHANCEMENTS:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20150425

Firmware Revision: 2305083_000199

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.5

ENHANCEMENTS:

Base:

- Added the ability to view the "ProductNumber" and "LookAndFeelId" attributes in the products via OXPd Solution Installer and the Jedi Embedded SDK.
- Added the ability for devices equipped with the stapler/stacker to automatically reverse jobs and staple when printing landscape in the top-left configured under stapling performance.
- The device can now communicate secure stored job options to the printer driver.
- Added Native printer support for "Google Cloud Print". For setup and registration instructions, go to www.google.com/cloudprint/learn/

Security/Authentication:

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

FIXES:

Base:

- Error 33.02.01 is observed when upgrading the firmware from FS3.0 to FS 3.4.
- Devices crashes with Error 49.38.07 while processing a duplex PS job with custom media size.
- Error "Unregistered Offending Command: ImageMask" is seen while printing certain Jobs using a PS driver.
- Print Jobs are slow when driver Status Notification is turned ON.

- The time stamp does not show local time when EWS Job log is exported to CSV or Text file.
- Communication failure is reported while using WJA to configure the device.
- Error 49.2A.01 is observed while printing certain word documents using discrete driver.
- Error 49.4a.04 is seen when printing multiple copies of certain PDF documents.

- Printing an A4 document may display a prompt on the printer's control panel to load paper in the MP tray.
- When performing an Encrypted stored job via PC, the "Date Stored" time on the device is incorrect.
- The following issues may be seen with the HP SmartCard reading device:
 - 1) Device wakes up at the first insertion but it never prompts for the PIN ("please wait" screen appears twice then goes off)
 - 2) May need to insert the card twice to wake up the device
 - 3) The device wakes up but the control panel displays "reader not detected" message even though reader has connected already.

Security/Authentication:

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

Embedded JetDirect:

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

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20150425 Firmware Revision: 2305083_000199
Embedded JetDirect:	JDI23500064
DC Controller:	5.121

Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.5

Enhancements and Fixes provided with this Previous Firmware revision

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

Firmware Datecode: 20150218

Firmware Revision: 2304070_439665

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.4.1

ENHANCEMENTS:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20150218

Firmware Revision: 2304070_439665

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.4.1

ENHANCEMENTS:

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Base:

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

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20150218 Firmware Revision: 2304070_439665
Embedded JetDirect:	JD123400008
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.4.1

FIXES AND ENHANCEMENTS PROVIDED WITH PREVIOUS FIRMWARE REVISIONS:

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20141224

Firmware Revision: 2304064_439527

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.4

ENHANCEMENTS:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20141224

Firmware Revision: 2304064_439527

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.4

ENHANCEMENTS:

Base:

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

Security/Authentication:

- Ability for administrators to configure product EWS for LDAP or Windows Authentication Sign In for product tabs.
- Support added for extensibility solutions to use Windows and LDAP authentication.
- AirPrint 1.3 Authentication is now supported.
- Simplified Account Lockout is a feature to protect administrator and user accounts and PIN protected stored jobs from brute force hacking attempts. The feature is built into the interface with no configuration necessary. After 5 failed authentication attempts, the system enters "Protected Mode" and inserts small fixed delays to impede continued password guessing. (Note: Identical passwords are treated as a single attempt.) After the user successfully authenticates, or the device idle timeout expires, the "attempt counter" is reset.
- Provides improved logging performance for syslog security event logging when printing multiple small print jobs.
- LaserJet Single Function Devices now support embedded Windows and LDAP Authentication.

Embedded JetDirect:

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

FIXES:

Base:

- 49.38.07 error seen when printing duplex jobs containing Thai fonts.
- If "ability to modify tray size and type" settings is locked for a user, Tray 1 "Use Requested Tray - First" capability is lost. The printer cannot pick paper automatically from Tray 1, even when loaded with correct paper size, and user gets prompted to load paper into Tray 2 to complete the job.
- Errors in PCL which did not allow customer files to print, have been turned to warnings.

- Printer is entering into a deeper sleep when a card reader is installed.
- Unable to read Barcode printed on configuration page.
- Duplex printing with Alternative Letterhead mode enabled, gives the wrong image orientation.
- Multi-prompt authentication screens with an "Information" page that contain only "Label" controls and OK and Cancel buttons, appear blank on the small screen devices.
- When trying to retrieve all Encrypt jobs, the device doesn't print till the printer display resets back to home screen.
- When a device with an empty tray, has been discovered in WJA, it does not send "Paper Out" alert, even after subscribing for it.
- When selecting the Japanese Language on printer control panel, the Font Source: "USB1" may show as "USB{0:d} {1}"
- Long print jobs may be terminated with an error if printing is stalled waiting for a user interaction such as loading paper.
- "Personal Jobs" with Encrypted job (With Password) are not getting stored via IPP driver
- The Form Length and the Font number PCL values are reset to default after printing some documents and rebooting the device.
- Some improvements in printing back to back small one-two page jobs.

Security/Authentication:

- No New Updates

Embedded JetDirect:

- Network settings, e.g. static IP address, configuration method, etc. intermittently reset to default values.
- Very long Postscript jobs sometimes do not print
- A delay may occur between print jobs when CCC logging is enabled
- A number of ports between 1033 and 1044 report as Open/Filtered
- Network configuration is reset to DHCP after a firmware upgrade.
- Current 32K TCP buffers cause excessive delay on long latency/high bandwidth transfers.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20141224 Firmware Revision: 2304064_439527
Embedded JetDirect:	JDI23400008
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.4

FIXES AND ENHANCEMENTS PROVIDED WITH PREVIOUS FIRMWARE REVISIONS:

Enhancements and Fixes provided with this Firmware revision

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

Firmware Datecode: 20140731

Firmware Revision: 2302963_436082

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.7

ENHANCEMENT:

Security/Authentication:

- No New Updates

Base:

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

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- This firmware address the following security issue: CVE-2014-0224 - SSL/TLS MITM vulnerability
- Some control panel authentication screens on single function devices were not displaying complete informational text.
- Device embedded web server can now be configured to use Windows or LDAP sign in (if configured on the device) instead of the EWS administrator password. This functionality excludes the Web Services and Networking tabs of the EWS, which still require the device admin password.

Base:

- Device is not reporting the custom device name
- When printing Mixed Letter/Legal jobs sent by HP-UX OS, if the number of copies is not specified for a particular papersize, it takes the number of copies of the previous set.
- Paper load prompt not consistent between FutureSmart products
- The message within Web JetAdmin "Intervention Needed" is not cleared even after intervention was cleared from the device.
- You may see a 49.38.13 error using Autosend when not configuring a site proxy with credentials.
- Some characters may be italicized when printing files via a USB thumbdrive
- Retrieving large amounts of stored jobs may take a long time to verify before printing.

Embedded JetDirect:

- Manually configured hostnames are intermittently being reset to factory default values (NPIxxxxx)

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

Firmware Datecode: 20140731

Firmware Revision: 2302963_436082

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.7

ENHANCEMENT:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20140731 Firmware Revision: 2302963_436082
Embedded JetDirect:	JDI23260006
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.2.7

FIXES AND ENHANCEMENTS PROVIDED WITH PREVIOUS FIRMWARE REVISIONS:

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

Firmware Datecode: 20140529

Firmware Revision: 2302908_435019

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.5

ENHANCEMENT:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20140529

Firmware Revision: 2302908_435019

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.5

ENHANCEMENT:

Security/Authentication:

- No New Updates

Base:

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

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- You may see a 50.22.xy error when fuser is warning up.
- The Web Services tab may be missing.
- Private Jobs are not sorted and printed properly on devices with the solid state drives.
- Sending Personal Private Stored Jobs with Encryption does not keep copy count.
- Certain character may get flipped or mirrored in some documents.
- You may see a 49.4A.04 error when printing certain Websites or PDF files.
- Retrieving all Personal jobs may result in the print all option not working until the device is rebooted.

Security/Authentication:

- No New Updates

Embedded JetDirect:

- The printer will randomly become unresponsive due to excessive printer queries.
- Certain SNMP network traffic may cause the printer to come out of a 1 Watt mode.

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20140529 Firmware Revision: 2302908_435019
Embedded JetDirect:	JDI23250001
DC Controller:	5.121
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.2.5

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

Firmware Datecode: 20140321

Firmware Revision: 2302786_433718

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.3

ENHANCEMENT:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- No New Updates

Embedded JetDirect:

- No New Updates

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

Firmware Datecode: 20140321

Firmware Revision: 2302786_433718

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2.3

ENHANCEMENT:

Security/Authentication:

- Security Self Test enabled through the embedded web server - EWS->Security Tab->Self Test page
- Support added for HP Smartcard US Government SIPRNet Solution

Base:

- New setting to configure job timeout for "Permanent Jobs" for Job Retention.
- Added the ability to allow an administrator to change the Service PIN on their device.

Embedded JetDirect:

- No New Updates

FIXES:

Security/Authentication:

- No New Updates

Base:

- You may see message saying Tray 2 open or Bad duplex connection when incorrect duplexer is installed in the LJ600 series device.
- Print Service may be blocked when an IOF is installed
- If a cold reset is performed when a solution is loaded, the EWS->Security->Access Control page still showed Solution entries which no longer exist.
- You may see a 49.4A.04 error when printing certain web pages or PDF files.
- When installing some CCID card readers you may see the following error - "Invalid USB device is attached. Please remove it."
- Sending a PCL job to the printer with a bin specified as 0 or no bin specified the printer will default to bin 3 and staple.
- You may see an extra blank page printed after printing raw PCL coded jobs.
- The Embedded Web Server exported view of the Job Log does not match what is on screen.
- May fail to wake from sleep when device is setup to wake (turn on) on a wake schedule.

- When stapling is requested within the print driver you may see the first page separated from the remaining job which is stapled.
- General Stored Job Settings menu missing on the 4-line products
- Adding an envelope feeder to the LJ 600 series devices may causes the event log to fill up with 42.B0.01 errors

Security/Authentication:

- No New Updates

Embedded JetDirect:

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

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20140321 Firmware Revision: 2302786_433718
Embedded JetDirect:	JDI23230013
DC Controller:	5.119
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.2.3

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

Firmware Datecode: 20131122

Firmware Revision: 2302243_421978

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2

ENHANCEMENT:

Base:

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

Security/Authentication:

- No New Updates

Embedded JetDirect:

- Added support for NFC and Tap to Print

FIXES:

Base:

- No New Updates -- Original Release

Security/Authentication:

- No New Updates -- Original Release

Embedded JetDirect:

- No New Updates -- Original Release

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

Firmware Datecode: 20131122

Firmware Revision: 2302243_421978

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 3.2

ENHANCEMENT:

Base:

- The Generate Debug Data feature is now available in the products Embedded Web Server.
- The maximum number of Stored Jobs has been increased to 300 to be compatible with the older Legacy devices.
- A Partial Clean can now be initiated from the products Embedded Web Server.
- Added additional SNMP values to conform to the Standard Printer and Host Resource MIBs.
- Time zones for Russia have been changed to reflect the time zones used in this country.
- The Optimize speed energy usage values were provided so Web Jet Admin can configure these values.
- Error messages and codes have been improved

- The "Resend Upgrade" message will appear on the device if no firmware is on Backup/Repository partition.
- A reduction in the firmware bdl file sizes has been provided in this release. For some products this can be as high as a 50% reduction in size.
- This firmware release provides the ability to switch FutureSmart levels. It is only supported on device that ship with FutureSmart Level 2. Documentation is available on www.hp.com to learn more about this feature. Steps to perform the level switching are provided in this readme file.

Security/Authentication:

- Job Data encryption using AES-256 has been added on devices with Solid State mass storage (SSD). The default is AES-128.
- Secure storage of all externally exposed passwords has been updated to industry standard SHA-256 hashing and AES-256 encryption.
- HP US Government Smartcard Authentication is now available as a configurable sign in method for non-MFP print devices. This capability requires the installation of the HP USB Smartcard reader.
- Windows and smart card authentication are now available on single-function printers

Embedded JetDirect:

- Now able to enable/disable wireless direct print through a web service call

FIXES:

Base:

- You may see the device power cycles during a pull print process.
- When using AirPrint the printer may drop out of the available printer list.
- An ePrint document sent to the printer will always prompt to load paper despite the correct paper size being available in other Trays
- Printer hangs when using Parallel to USB cable
- Encrypted job storage jobs (from driver settings) do not delete after power cycle
- Reporting Incorrect Status after tray is refilled
- You may see a 49.38.11 error when printing
- e-Print not be able to communicate with HPePrintCenter.com, Registration process timeout. Please try again.
- Device is displaying copy screen in the presence of a FIH device with no credits and it does not change the credit state when a credit is added.
- A Stored Job image preview may be inverted when previewed.

- email address of printer is missing from Control Panel
- An "Out of Space" message or a blank firmware revision string may be seen when loading a firmware image after a attempt with a corrupted image.
- An intermittent 49.38.07 may occur when upgrading Firmware via WJA when DSS is installed.
- You may see a 41.3 unexpected paper size error when sending a print job with the settings Any Size and a specific Media type.
- When the device language is set to Russian the Current Settings Page will not print.
- When a Service Formatter is replaced the Web Service Tab may disappear
- Large print jobs may show a 1 cm shift in page alignment

Security/Authentication:

- In the Embedded Web Serve when setting/clearing the admin password using the wizard (Networking>Settings>Wizard), the changes do not show up under the admin password under Security>General.

Embedded JetDirect:

- Digital Send fails when an optional network interface is installed
- Printer/MFP crashes or hangs when a 2700w is installed
- Telnet sessions do not automatically close if device enters Auto-OFF
- Printer/MFP cannot be reached with IPv6 address when in Auto-Off
- WJA cannot configure "Use Stateless DHCP when Manually Configured"
- TCP acknowledgements are delayed or not sent
- Print and other TCP connections may be interrupted by Auto-Off
- The counter Job-media-sheets is reported incorrectly

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20131122 Firmware Revision: 2302243_421978
Embedded JetDirect:	JDI23200024
DC Controller:	5.119
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart Bundle Version 3.2

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

Firmware Datecode: 20130722
Firmware Revision: 2300331_377983

ENHANCEMENT:

Base:

- Added the ability to perform a Paper Path Test for the accessory output bin.
- SNMP page counters were added:

Object Name	OID	Description
PRINT-METER-EQUIVALENT-IMPRESSION-COUNT.1	1.1.16.1.44.1.1	A4/Equiv Mono Print Impression Count
PRINT-METER-EQUIVALENT-IMPRESSION-COUNT.2	1.1.16.1.44.1.2	A4/Equiv Mono Copy Impression Count
PRINT-METER-EQUIVALENT-IMPRESSION-COUNT.3	1.1.16.1.44.1.3	A4/Equiv Mono FAX Impression Count
PRINT-METER-EQUIVALENT-IMPRESSION-COLOR-COUNT.1	1.1.16.1.44.2.1	A4/Equiv Color Print Impression Count
PRINT-METER-EQUIVALENT-IMPRESSION-COLOR-COUNT.2	1.1.16.1.44.2.2	PRINT-METER-EQUIVALENT-IMPRESSION-COLOR-COUNT.2
PRINT-METER-EQUIVALENT-IMPRESSION-COLOR-COUNT.2	1.1.16.1.44.2.2	PRINT-METER-EQUIVALENT-IMPRESSION-COLOR-COUNT.1
PRINT-METER-EQUIVALENT-IMPRESSION-COLOR-COUNT.1	1.1.16.1.44.2.1	A4/Equiv Color Print Impression Count
PRINT-METER-EQUIVALENT-IMPRESSION-COLOR-COUNT.2	1.1.16.1.44.2.2"	
- EU products will have lost the ability to disable sleep to meet Blue Angel certification
- Backup and Restore scheduling has been removed from the control panel to enhance reliability and eliminate complexity.
- A "Bin Full" message and a Jam message occurring at the same time could result in a Bin Full message being displayed instead of a Jam message, even after the bin was emptied.
- WJA could not set the Time Zone in previous releases
- The remote configuration password that can be set in the Embedded Web Server is not being restored when Back Up and Restore is performed with a restore that includes the Password.
- Default "From:" address can now be specified for Email alerts and AutoSend
- PQ Troubleshooting Pages are now available for Mono Devices
- Enhancements to meet new Blue Angel and Energy Star requirements.
- USB port insertion will now wake the device from Sleep

- Added AirPrint 1.2 IPP Support
- Added AirPrint 1.2 Bonjour Support
- An unregistered USB device can now be added before the solution is loaded

Embedded JetDirect:

- No new updates
- The printer can now directly register its hostname and domain with DNS, compliant with RFC 2136.
- **"*As an enhancement*:** When optional network interfaces are installed, the primary interface for Digital Sending and Solutions will remain the embedded wired interface.
- ***As a defect*:** Digital Sending and Solutions are routed to optional network interfaces when they are installed instead of using the embedded wired interface."
- The printer can now directly register its hostname and domain with DNS, compliant with RFC 2136.
- Expanded support for Kerberos encryption types used with IPsec has been added, to provide parity with Kerberos in Windows Server 2008 environments
- Support for SHA-256 hashing and AES-256 encryption introduced to meet regulatory requirements including NIST Special Publication 800-131a requiring SHA-256 hashing for digital signature generation. Passwords encrypted with AES-128 are automatically re-encrypted with AES-256 during the firmware upgrade.
- DNS SRV and TXT responses are now cached
- Jetdirect now includes a UTC timestamp in CCC log messages
- An option to verify the server certificate when pulling print jobs from a server using IPP/IPPS has been implemented
- Special ASCII characters are now supported in the WEP password

Security/Authentication:

- Support for SHA-256 hashing introduced to meet regulatory requirements including NIST Special Publication 800-131a requiring SHA-256 hashing for digital signature generation.
Support for TLS 1.1 and TLS 1.2 protocol introduced. TLS 1.2 provides enhanced security and support for SHA-256.
IMPORTANT NOTE: If TLS 1.0/SSL 3.0 is disabled, both the Client (web browser) and Server (MFP) must enable support for TLS 1.2 or EWS communication will be DISABLED. Most web browsers do NOT support TLS 1.2 by default.
IMPORTANT NOTE: No TLS 1.2 support for HP Web JetAdmin, HP Imaging & Printing Security Center and HP Digital Sending Software until Fall 2013. Disabling TLS 1.0/SSL3.0 will disable compatibility with these solutions.
IMPORTANT NOTE: SNMP version 3 support for AES-128 and SHA-1 introduced in this firmware version. No HP Web JetAdmin support for SNMPv3 AES-128 and SHA-1 until Fall 2013. Enabling these options will disable compatibility with HP Web JetAdmin.

- The Printer Job Language (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.
PJL Device Access can be disabled by WJA, EWS and IPSC (Imaging & Printing Security Center)."
- Firmware bundles digital signed using SHA-2 hashing algorithm to meet new regulatory requirements in NIST Special Publication 800-131a.

FIXES:

Base:

- When a Bar DIMM or IPDS solution has been installed through WJA certain settings set with WJA will not set correctly.
- A control panel message of Tray X open is displayed when the wrong duplexer is installed.
- You may see a 49.23.CB error occurs when printing the Internal Configuration Page.
- You may see a longer than expected processing time when using an HP Output Server to print a job.
- You may see "Tray X open" control panel message when wrong duplexer is installed.
- "Any Size" for tray 2 and greater is missing from the menu. - breaking backward compatibility.
- Pushing the start button multiple times for a personal stored job results in multiple copies being printed.
- Downloading Fonts causes 49.38.0C
- Font Source reverts back to Internal after reboot
- When setting up eprint, any document that prints is looking for tray 1 so the printer requests paper in Tray one and job will not print until someone goes to the device and selects a different tray(tray 2) or loads paper in the side tray(tray 1).
- You may see a print job that is printed successfully but the Job Status is displayed as "Failed" when using the Macintosh driver.
- User Defined types are not getting updated in UPD after enabling VIA EWS pages
- "Wake/Auto On to These Events" options are disabled when the Sleep Mode/Auto Off After... mode is disabled
- The Help screen, accessed by pressing the ?, for the Configuration/Status display omitted some items
- In certain languages the Scan Status dialog shows truncated messages.
- Device will wake up if a sleep schedule has been set and the device was already asleep

- Setting the @PJM DEFAULT LANG variable on FutureSmart devices does not permanently change the device language
- After adding an output device the unit does not recognize a J-font encrypted USB.
- Error message for failed backup to network folder is cut off
- You may see a hang in the 2/8 boot up stage if the Sleep Timer Setting is set to wake on a Network Port Event and printer has been in sleep mode.

Embedded JetDirect:

- Text entered in the "Product Support URL" and "Technical Support URL" fields in the device web pages were not filtered to eliminate HTML commands.
- The front control panel is not wrapping the text when the printer is in a wireless configuration mode.
- Device loses the IP Address for both wired and wireless when IPv6 is disable and enable via the EWS
- IPSec Aggressive mode is not working

Security/Authentication:

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

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20130722 Firmware Revision: 2300331_377983
Embedded JetDirect:	JDI23000013
DC Controller:	5.119
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart 2 SP3

The following new functionality or features are provided by this firmware release:
Firmware Datecode: 20121208

Firmware Revision: 2201057_231926

ENHANCEMENT:

Base:

- The printer will now have the ability to retain Personal Jobs after a power cycle.
- The device will no longer enter sleep mode if the user is interacting with it.
- Support is added for the HP CalcPad 100 numeric keypad
- User Defined Media Type names that are changed via SNMP they are not updated in the Control Panel.
- Custom papers sizes are now supported with AirPrint
- The printer will now delete temporary stored jobs at the scheduled time regardless of the sleep state. Previously some sleep modes extended the expiration time for the job
- For Devices with two LED's the Ready Light will flash to indicate the device is receiving data. This behavior will mimic the behavior seen for a device that has a Data LED.
- Usage counts are now included in a Save/Restore operation

Embedded JetDirect:

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

Security/Authentication:

- No new updates

FIXES:

Base:

- You may see a 49.38.07 error using HPAC with FutureSmart 2 SP 1.02
- When setting up the energy schedule you will see an incorrect localization for German days of the week.
- You may not see the User name on Job Status menu when printing from Mac OS
- After rebooting the printer Quiet Mode was no longer set.
- You may see the tray selection is not working as expected via AS400 printing.
- Close Rear Door message appears on the M600 series when door is open and customer wants straight though paper path
- You may see "Tray X Open" when wrong duplexer is installed.

- The M600 Series does not offer media types for Envelope Feeder.
- PjL DENSITY command causes pages to be printed upside down.
- German language does not allow you to set the Adjust Tray 1 setting under the Image Registration menu
- LaserJet M600 series printer may not reply to PjL ReadBack Commands
- After disabling AirPrint and IPPS in the Embedded Web Server the ePC displays "ePrint is off"
- Using the job Interrupt may cause a job that is interrupted to hang or become unresponsive.
- A 49.23.CB error may be displayed when performing an Engine Test
- Japanese Text on the front control panel does not rap to a new line and is clipped on right side.
- Unable to receive e-mail alert as xml through intranet
- An SNMP walk may time out if a print job is printing during the walk.
- Adjusted SNMP to mimic non-FutureSmart products for get command responses when invalid set commands are sent
- The Fuser and Transfer Kit Maintenance information is missing on the Configuration page.
- Long names are being cutoff in Retrieve from USB on SFP products
- Order of Configuration pages is different between MPS's and Single Function Devices.
- Fixed an unlocalized authentication agent name string in security webservice
- "Upgrading to this revision of firmware will keep the following message from appearing in the Embedded Web Server "The operation failed because there is not enough available disk space."
- Firmware install times are improved with this release
- When using ePrint and the wireless network card is used the printer is not displaying an alert message "Ink/Toner is Low" when the ink/toner is low.
- You may see differences within the same font used with certain PDF files.
- Device does not prompt to "Close Rear bin" if document is printed to "Output bin 2" when "Rear bin door" is opened.
- It is not possible to cancel either a Backup/Restore from the device or the EWS during the Backup/Restore process.
- Garbage print will occur when the data flow from the spooler to the printer gets interrupted (timeout) when printing via IPP. When and if a print job is interrupted, our devices should eventually discard corrupted data. However, it finishes the job and starts to print garbage.

Embedded JetDirect:

- The Cancel button (X) was inoperative after installing the 2700W wireless accessory
- Wireless authentication using WPA Enterprise with certificates does not re-authenticate when the identity certificate is changed.
- The Wireless SSID was displayed on the front panel, presenting a potential security risk.
- Setting the IP address manually over the control panel fails intermittently.

- When announcing and registering with HP Imaging and Printing Security Center (HP IPSC), the printer neglects to verify the identity of the server.

Security/Authentication:

- No new updates

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20121208 Firmware Revision: 2201057_231926
Embedded JetDirect:	JDI22210020
DC Controller:	5.119
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart 2 SP2

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

Firmware Datecode: 20120623

Firmware Revision: 2200643_228341

ENHANCEMENT:

Base:

- Added the SSID# to the How to Connect menu when using Direct Print.
- The wrong name was used for several paper path sensors when performing sensor tests.
- Add capability for new Print Mode: Mid weight mode
- Added page counting/metering for the Envelope Feeder
- Add capability for new Print Mode: Mid-wt glossy mode
- Added PjL Media Margins Command to support AirPrint.
- Added Oficio media sizes for Latin America Legal Media
- Identification for which FutureSmart Version and Service Pack currently being used has been added to the Configuration page.
- AirPrint functionality for URF and PDF 1.4 has been provided
- SNMP support provided for the UPD printer Drivers
- Added Web JetAdmin support for determining PjL versioning and PDL language support
- Adjustable Print modes can now be adjusted by Web Service

- Values on devices that show "Print Cartridge" will be changed to show "Toner Cartridge"
- Language support has been added to single function devices for the Do Not Unplug Icon.
- Particular 49.38.07 errors have been changed to 49.38.18 errors to add more details with regards to why the error happened.

Embedded JetDirect:

- Certificates default to 1024 bit encryption key
- Support is added for multiple JetDirect interfaces

Security/Authentication:

- Certificate registration now occurs during certificate install, avoiding dual registration issues. In addition, HTTPS binding of the certificate also now occurs during certificate install

FIXES:

Base:

- You Printer can be discovered even though AirPrint is disabled.
- When printing mono URF jobs to mono printers, the device generates incorrect output on certain media sizes
- You may see a 49.2F.E3 errors while printing personal stored jobs with pin
- 8.26x11 paper size does not automatically print on FutureSmart devices like it does on older Legacy devices.
- Printing some PDF files may cause a "Invalid PDF file" error message
- Custom PostScript Level3 fonts may cause a PostScript error page to print or a job to not print at all if PostScript errors is turned off.
- You may see the device slow down when using "Retrieve from Device Memory"
- Two SNMP objects are returning a value of Zero when they should provide meaningful information. The two objects are prtAlertGroupIndex and prtAlertLocation.
- The Cold Reset Paper Type is set to A4 the value used to compute the correct paper size in the metric system is wrong.
- Multiple issues with SNMP OID values have been corrected
- Some error states are not reflected properly when using a Mac or AirPrint driver.
- When using AirPrint a "tray open" message may not be displayed on the host when a tray is opened on the printer.
- The device may return incomplete / wrong values if a program queries it using @PJM INFO VARIABLES
- You may see a 89.12.BB scanner error on a printer (no scanner)
- A "Disk Full" message may be seen when loading firmware through the Preboot Menu.

- When printing from a USB device from the front control panel the device ignores the number of copies and only prints one.
- A 99.06.01 error may be seen in the event log without any description.
- PCL tray commands are not working properly for certain paper types.
- Not able to store Macros on the device so PCL stream can access.
- Manual feed prompts to tray 1 will ask you to load Plain media even if you have selected Unspecified in the driver.
- EWS stop responding after a DST Offset is set with more than ten digits
- The OID - .1.3.6.1.2.1.43.5.1.1.17.1 - may pull inconsistent data from different devices
- A message to confirm the tray size and a prompt to load the requested the paper in the tray is not seen when the paper size is changed for a tray while in sleep mode and a print job wakes the device to print out of the tray whose size was changed.
- You will see a Tray 6 empty message instead of Tray 6 lifting after media was just loaded and it is lifting.
- During a condition where the wrong paper size is printed on during a print job the user will not see a message prompt to address the misprint when the tray is opened and closed.
- Embedded Web server pages may load slowly
- On first boot up if the shipping sheet is not removed you will see an incorrect error message of "Tray 2 Empty" instead of "Remove shipping sheet".
- Welcome message may not localize correctly when signing in and changing localization.
- VPSX PjL to get printer status fails
- You may see a 49.38.07 error while trying to retrieve a Job from a USB Thumbdrive.
- You may see a "Options Conflict. No backup files available for exporting" error when attempting to export the backup file.
- You may see a 49.38.07 error when viewing the Job Status menu and printing or copying at the same time.
- Back button on SFP does not work in Initial Setup Prompts
- PjL USTATUS will now return Job Display Name
- When using AirPrint the URF is Not Using Color Tables.
- Support for two line control panel display modifications using SNMP has been added. One line screens will alternate to line messages.
- Network communication may not wake device when in 1 watt sleep mode.

Embedded JetDirect:

- JDI goes offline after changing the network link speed.
- You may see a 49.38.02 error on Power Point printing from an iPad.

Security/Authentication:

- During import of user PINs the progress barber pole is not present. With high numbers of imported records (~2000) a confirmation screen may not appear, and a reboot may be required to get the unit back to Ready
- When a digital certificate is installed using the Create Certificate Request option, the device embedded web server is no longer able to be accessed

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20120623 Firmware Revision: 2200643_228341
Embedded JetDirect:	JDI2200023
DC Controller:	5.118
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	FutureSmart 2 SP1

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

Firmware Datecode: 20111217

Firmware Revision: 2131305_192069

ENHANCEMENT:

Base:

- Added backwards compatibility of PDL commands to control source input trays with all PDLs
- Added the ability to modify trays security constraints
- Ability to Unlock stored jobs based on authenticated user.
- Ability for a User or Administrator to re-print the Welcome page.
- This feature provides access for web services applications, including Web Jetadmin, to the FIPS 140-2 status information of installed encrypted hard drives and the ability to enable/disable the encryption on the drive.
- The ability to prevent disk corruption when power plug pulled during Firmware upgrade.
- "Add a new internal page: Administration > Reports > Configuration/Status Pages > Web Service Status Page
- On this page it will list all of the currently running web services."

- Usage Page displays the correct tray information and counts for an Installed Envelope feeder.
- The ability to collect diagnostic log information if not able to boot to Ready. This new feature allows you to use the Pre-boot menu and a USB thumbdrive to collect the log files.
- Added the ability to Support Additional Output Bin Types with Paper Path Test
- The ability to hide the Job list
- "The user can enable/disable 10 User Defined Media Types via SNMP, Web JetAdmin or EWS. The user can assign a print mode to the User Defined Media types. The user can create their own customized name for the User Defined Media Types.
- The UI constrains the displaying of User Defined Media Types based on whether the SNMP OID has been enabled or disabled. When disabled, the specific User Defined type is not listed in the Adjust Paper Type menu. When enabled, the specific User Defined Media Type is displayed in the Adjust Paper Type menu."
- Unsupported USB device messages are now able to be hidden.
- The signed in Username will now be visible from most control panel screens

Embedded JetDirect:

- No New Updates

FIXES:

Base:

- Corrected the naming schema for the Output device.
- After losing power and power is restored the device may boot up and hang while displaying "Checking Printer"
- When using Internet Explorer 9 and the Administrator Password is set, the Logout link cannot be clicked and one is also not able to Navigate directly to Sign In Page
- You may have seen an Unknown String in the Eventlog.
- Some PJI variables are not reset to their proper defaults after a @PJI RESET command
- You may see tow media sizes highlighted while trying to modify the size and then canceling the option.
- After enabling USB Application it does not always display on Control Panel
- Using the "Back" hardkey while on the Enter Password screen no longer disables the User Login screen.
- You may see a 49.37.08 error when using a multiprompt authentication schema
- Importing large CSV files can cause the Embedded Web Server to become unresponsive during the import
- Corrected error message when attempting to print corrupt stored jobs.

- Device Default Media Type can now be correctly configured via WJA or EWS

Embedded JetDirect:

- Will not print in greyscale
- Device may display an 84.01.81 when printing certain PDF files.
- EWS Help page is not available
- Inappropriate error message when applying IPv6 manual network settings without providing an address.
- IPP 2.0 compliance mistakenly advertised outside of XMPP
- Strict mode of "Secure TLS Renegotiation" does not block ePrint registration when server does not comply with Secure TLS Renegotiation.
- Secure@Install support is now available
- Jetdirect will fail under certain high-load network traffic situations
- ePrint jobs will not complete when started during other print jobs (port 9100)

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20111217 Firmware Revision: 2131305_192069
Embedded JetDirect:	V50251131008
DC Controller:	5.116
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	CPE 11.3

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

Firmware Datecode: 20110811

Firmware Revision: 2131029_189665

ENHANCEMENT:

Base:

- No New Updates – Original Release

Embedded JetDirect:

- No New Updates – Original Release

FIXES:

Base:

- No New Updates – Original Release

Embedded JetDirect:

- No New Updates – Original Release

Current firmware revisions included in this firmware bundle:

DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LJ Enterprise M600 Series	Firmware Datecode: 20110811 Firmware Revision: 2131029_189665
Embedded JetDirect:	V50251103076
DC Controller:	5.116
Optional Tray Version	3.100
Duplex Unit Version	2.101
HP Fleet Release Designation	Original Release

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

-- Original Version

Installation Instructions

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

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

Please print a configuration page prior to performing any firmware update. To print the configuration page:

1. Go to the printer's control panel.
2. Press the **Home** or **OK** button.
3. Scroll down to the **Administration** menu and press **OK**.
4. On the **Reports** menu press the **OK** button.

5. On the **Configuration/Status Pages** menu press **OK**.
6. Scroll down to the **Configuration page** option and press **OK**.
7. Scroll back up to the top to the **Print** option and press **OK**.

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

Firmware Datecode: 20110811
Firmware Revision: 2131029_189665

The elapsed time for an update depends on the I/O transfer time as well as the time that it takes for the printer to reinitialize. The I/O transfer time depend on the speed of the host computer sending the update and the I/O method (USB or network).

The re-initialization time will depend on the specific hardware configuration of the printer, such as the number of EIO devices installed, the presence of external paper handling devices, and the amount of memory installed. Finally, any print jobs ahead of the firmware job in the queue will be printed before the update is processed.

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

Additional information to know

The firmware file will be in the following file format "xxxxxx.bdl" where "xxx" indicates the firmware file name and the ".bdl" is the files extension.

This file requires an interactive update method. You cannot update the printer using the traditional FTP, LPR or Port 9100 methods of upgrading. Please use one of the following methods listed below to update the firmware of this device.

How to perform firmware upgrades.

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

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

YouTube :

<http://youtu.be/Gv6OprEg7Es>

Brightcove:

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

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

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

1. Open an Internet Browser Window.
2. Enter the IP address in the URL line.
3. Select the **Firmware Upgrade** link from within the **Troubleshooting tab**.

NOTE: If you get a warning screen please read and following instruction for setting a Administrator password within the **Security Tab**.

4. Browse to the location that the firmware upgrade file was downloaded to, and then select the firmware file. Select the Install button to perform the upgrade.

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

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

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

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

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

YouTube : <http://youtu.be/IOsm1Z-dbJU>

Brightcove:

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

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

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

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

2. Turn the printer ON.
3. Press the **Home** or **OK** button

4. Press the **Down** arrow to highlight **Device Maintenance**, and then press **OK**.
5. Press the **Down** arrow to highlight **USB Firmware Upgrade**, and then press **OK**.
6. Insert the portable USB storage device with the xxxxxx.bdl file on it into the USB port on the front of the product, and then press **OK**.
7. Press the **Down** arrow to highlight the xxxxxx.bdl file, and then press **OK**.

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

8. A prompt to upgrade an older, newer, or reinstall the same version appears. Press the **Down** arrow button to highlight the desired option, and then press **OK**.
When the upgrade is complete, the printer will reboot automatically.

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

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

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

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

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

1. Copy the xxxxxx.bdl file to a portable USB flash memory storage device (thumb drive) in the root directory.

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

2. Turn the printer ON.
3. Press the **Stop** button when the Ready, Data and Attention LEDs illuminate solid.
4. Press the **Down** button to highlight **Administrator**, and then press **OK**.
5. Press the **Down** button to highlight **Download**, and then press **OK**.
6. Insert the portable USB storage device with the xxxxxx.bdl file on it.

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

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

7. Press the **Down** button to highlight **USB Thumbdrive**, and then press **OK**.
8. Press the **Down** button to highlight the xxxxxx.bdl file, and then press **OK**.

NOTE: If you have more than one .bdl file on your USB Thumb drive, select the file you want loaded and press **OK**.

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

9. When the message **Complete** appears on the control panel display, press the **Back** button 3 times.
10. When the message **Continue** appears on the control panel display, press **OK**.
11. The printer will continue to boot to the Ready state.

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

Web Jetadmin (Supported with version 10.2 SR4 or newer)

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

Upgrading Firmware:

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

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

Uploading new firmware files into WJA:

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

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.

FutureSmart Level Switching Procedures

Click here for the - [HP FutureSmart Level Switching White Paper](#)

Embedded Web Server (EWS)

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

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

Device Control Panel

Please visit the following link to a view video on this firmware Level Switching method explained below. **YouTube address:**
<http://youtu.be/59ZmHL2IUEI>

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

Web Jet Admin

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

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

System Requirements

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

Technical Assistance

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

Customer Support

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

Internet

An anonymous FTP library service is available worldwide for around-the-clock access to drivers and technical support information for HP peripheral and computer products. Please note that paths may change without notice. Access the Internet or FTP address and use the menus to locate the software or support of your choice.

URL for HP LaserJet Enterprise M600 Series Support:

URL for Firmware downloads:

www.hp.com/go/lj600Series_firmware

URL for Support:

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

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

FTP address: [ftp.hp.com](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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