

RELEASE NOTES: xxxAT.230.217, xxxBD.230.217, xxxBL.230.217, xxxBN.230.217, xxxCT.230.217, xxxGM.230.217, xxxGV.230.217, xxxGW.230.217, xxxMH.230.217, xxxMM.230.217, xxxPC.230.217, xxxPM.230.217, xxxPP.230.217, xxxSG.230.217, xxxSN.230.217, and xxxZJ.230.217

READ THIS FIRST: Special notes and considerations

- **Firmware upgrade warning:**
 - IMPORTANT: Always evaluate the firmware update on one device in the customer specific ecosystem and verify functionality before proceeding to update a fleet of devices
 - MS531, MS631, MS632, M3350, MX532, MX632, XM3350, CS531, CS632, C2335, CX532, CX635, XC2335, MX432, and XM3142 devices and their equivalents (MSNSN, MSTSN, MXTSN, CSNGV, CXNGV, CXTGV, and MXTCT firmware versions) with firmware versions xxxxx.230.001 through xxxxx.230.210, inclusive, must first update to xxxxx.230.216 before upgrading to xxxxx.230.217 or newer
 - Any device running xxxBL.061.001 - xxxBL.061.999 must first update to a FW7 based release such as xxxBL.076.308 before upgrading to xxxBL.081.015 or newer. Failure to do so can result in a device that will not power up to “ready” state
 - Any device running FW5.1 or older (xxxxx.051.yyy or smaller numbers) must first update to a FW7 based release such as xxxxx.076.308 before upgrading to xxxxx.081.015 or newer
 - CS72x/CX72x Series devices and their equivalents running ATL.03x.yyy or ATL.02x.yyy firmware must first update to CSTAT.041.090 or CXTAT.041.090 as an initial intermediate release before updating to a FW7 based release, such as xxxxx.076.308, and then finally updating to xxxxx.081.015 or newer
 - Contact Lexmark Technical Support to obtain intermediate releases if needed
- **Firmware downgrade warning:**
 - Firmware downgrade is no longer supported, if there is a reason firmware downgrade is required, please contact Lexmark Technical Support and see KB Article SO8017
 - Downgrading firmware can result in exposure to known security vulnerabilities and will result in the loss of Apps, Security Features, and Settings
- **Ensure the firmware you download is the correct one for the product you have**

CUSTOMER RELEASE NOTES:

FW23.0, xxxAT.230.217, xxxBD.230.217, xxxBL.230.217, xxxBN.230.217, xxxCT.230.217, xxxGM.230.217, xxxGV.230.217, xxxGW.230.217, xxxMH.230.217, xxxMM.230.217, xxxPC.230.217, xxxPM.230.217, xxxPP.230.217, xxxSG.230.217, xxxSN.230.217, and xxxZJ.230.217

Changes in 230.217 (since 230.207):

New Features:

- Added support for Native Agent to export VCC bundles remotely

Security Issues Addressed:

- CVE-2023-50733 - Server-Side Request Forgery (SSRF) vulnerability
- CVE-2023-50738 - Firmware downgrade prevention vulnerability
- CVE-2023-50739 - IPP buffer overflow vulnerability
- Upgraded open-source components to apply latest security patches
- Additional security hardening

Field Issues Addressed and Other Improvements:

- Updates to support features for Native Agent to enhance compatibility with Lexmark Cloud Services
- Fix to address delay with small PCL-XL encrypted print jobs
- Fix to address clipping on Korean keyboard
- Change to prevent 940.00 Firmware Error caused by EEPROM corruption
- Fix for intermittent issues with erratic operator panel behavior such as miscolored text, missing icons, etc
- Fix for an issue that causes toner levels above 10% to jump to reporting 100% after firmware update on CS/CX82x and CX860 and their equivalent devices (CSTPP and CXTTP firmware versions)
- Fix for an issue with shifted output after a duplex scan on a device with a recirculating ADF
- Fix for Configuration Bundle combined with Firmware FLS file to be accepted and correctly applied/updated
- Fix for some causes of 940.00 errors
- Fix for an 840.02 error when waking up from Sleep Mode on some multifunction devices
- Fix for a 126.06B error intermittently occurring at start of print on MS/MX53x and MS/MX63x devices and their equivalents (MSNSN, MSTSN, and MXTSN firmware versions)
- Fix for devices which intermittently become stuck at a screen while scanning
- Fix for an intermittent "Busy, Please Wait" hang after updating firmware on CS/CX82x and CX860 and their equivalent devices (CSTPP and CXTTP firmware versions)
- Fix for a directory permissions issue which prevents LSDM app from receiving captured images for scan tasks

- Updated messaging for usability improvements on panel and Reports pages
- Fix for an issue where the device op panel showed Black Toner Level in gray rather than in black, blending too much into the background of the panel and making it difficult to determine the supply level
- Reduce delays in print processing time for MICR jobs
- Fix for an issue where immediately after an Out of Service Erase, the printer may not be able to be found and added via the Lexmark driver
- Fix for an intermittent issue where scans to JPEG file type may have the bottom portion of the scan missing or replaced by a gray block
- Improvements for multiple sources of 900 errors, some causes include:
 - Scan operations resulting in crash
 - Kernel errors
 - Specific types/contents of print jobs

Known Issues/Notes of Interest:

- Please contact TSC if you need firmware for a particular device that does not show up on https://support.lexmark.com/en_us/drivers-downloads.html
- CS92x and CX92x and their equivalent devices (CSTMH and CXTMH firmware versions) exhibit toner cartridge reporting 4% instead of empty resulting in 129.00, 129.10, 129.20, or 129.30 error codes. To prevent the light color print quality issue, users can enable Custom Supplies Notification on the device via web page or panel and change the “Very Low” Supply Level Behavior setting to “Non Continuable Stop” for every cartridge (black, yellow, magenta, and cyan). This custom notification prevents the 129.00, 129.10, 129.20, and 129.30 error codes from reoccurring and forces a new supply to be inserted. This is a temporary solution until a firmware fix is available. See https://support.lexmark.com/en_us/rd/kb/fw23-supply-issue-notice.html for additional details.

Changes in 230.207 (since 230.041):

New Features:

- Added support for Port 9100 in Recovery Mode

Security Issues Addressed:

- CVE-2023-50735 - Heap corruption vulnerability in the PostScript interpreter
- CVE-2023-50736 - Memory corruption vulnerability in the PostScript interpreter
- CVE-2023-50734 - Buffer overflow vulnerability in the PostScript interpreter
- Upgraded open-source components to apply latest security patches

Field Issues Addressed and Other Improvements:

- Memory management improvements to reduce memory related crashes
- Print speed performance improvements
- Messaging improvements around firmware update
- Usability improvements for refilled Regular cartridges
- Added value for anonymous data collection setting to the Menu Settings Page report

- Fix for an issue where Lite devices were not able to boot to recovery mode
- Change to handle SNMP community names up to 32 characters
- Change to allow import of LDAP settings on Lite boxes with LDAP license
- Fix for issue with garbage output when printing large encrypted print jobs
- Fix for an issue where export logs was hidden if the “Import/Export All Settings” function access control was disabled
- Fix for some “39.01 Page is too complex” errors
- Fix for issue encountered when enabling 802.1x
- Fix for issue where device hung at Lexmark logo during boot
- Fix for “secure element not recognized” error message after Out of Service Wipe
- Fix for device becoming hung in cancelling state after clearing a scanner jam
- Improvements for multiple sources of 900 errors, some causes include:
 - Start key depressed longer than expected
 - Viewing “more info” videos on the device panel
 - Crash while scanning a job to a network folder
 - Attempting to cancel while performing a scan
 - Opening the tray and change the paper while on the bookmark print workflow, before pressing PRINT

Known Issues/Notes of Interest:

- Upgrading the CS82x, CX82x, and CX86x devices and their equivalents (CSTPP and CXTTP firmware) to a 230.xxx firmware release may cause the toner level of the device to begin reporting 100% even if the cartridge is not full. This will correct itself when the cartridge level reaches 10% full. A fix is in progress for this issue and will be available at a later date. Contact Technical Support if needed.
- Due to the power dissipation of some devices, increased the recommended wait time after power off before power on to 30 seconds

Changes in 230.041 (since 230.039):

Field Issue Addressed

- Addressed an issue where certain older versions of some apps stop functioning after update to 230.039 release – additional information is available in this article: https://support.lexmark.com/en_us/rd/kb/fw23-app-compatibility-notice.html

Changes in 230.039 (since 221.214):

New Features:

- Added Smart Card support for PrintCryption
- Lexmark OnePrint Enhancements
- Multiple Universal Size support now includes PCL-XL
- Support for transition to the new Lexmark mobile app

Security Issues Addressed:

- Implement restriction to firmware downgrades to protect devices against firmware with known security vulnerabilities
- Added support for User Data Encryption on several device models – additional information is available in this article:
https://support.lexmark.com/en_us/printers/printer/MS821/article/v59061173/user-data-encryption-ude.html
- CVE-2023-50737 - Input validation vulnerability in the SE Menu
- General security hardening
- Upgraded open-source components to apply latest security patches

Field Issues Addressed and Other Improvements:

- Fix for an issue causing reduced image quality in certain scenarios on CX532, CX635, XC2335, CS531, CS632, C2335 and equivalent devices (CXTGV, CSNGV, CSTGV firmware versions) - it is recommended to run a color calibration (Settings>Print>Advanced Imaging>Color Adjust) on these devices after upgrading to 230.039 if the device is experiencing the issue
- Fix for an issue where CS/CX82x and CX860 devices and their equivalents did not show the photoconductor status with other supplies statuses (CSTPP and CXTTP firmware versions)
- Fix for an issue where CS/CX82x and CX860 devices and their equivalents were not able to clear the "Missing Photoconductor" IR after the error state was resolved (CSTPP and CXTTP firmware versions)
- Resolve registration issues with Microsoft Universal Print
- Fix for an issue that was requiring AirPrint to be enabled to use IPP over USB
- Add support for additional media sizes to Prescribe's Set Paper SiZe (SPSZ) command with a parameter of 0
- Enhanced logging in Event Log
- Fix for an incorrect print output when printing certain types of PDF, PCL5, or PCL-XL jobs
- Added support for IdPrime 930 smart card
- Fix for an issue where 802.1x connections intermittently drop (affected releases are 221.204 through and including 221.220)
- Fix for an intermittent but inaccurate "Tray 1 Empty" warning occurring on CS/CX72x and their equivalent devices (CSTAT and CXTAT firmware versions)
- Fix for an issue where a lock icon appears on the device homescreen after upgrade to FW22.1 (release numbers 221.001 thru 221.999)
- Fix for intermittent 912.76 errors when printing A5 size paper on CS/CX82x and CX860 devices and their equivalents (CSTPP and CXTTP firmware versions)
- Fixes for multiple fax issues
 - Fix for 900.00 Out of memory error when using etherFax
 - Fix for issue where printer locks up when using Fax over IP
 - Fix for issue where held faxes are not held after out of service wipe
- Fixes for multiple sources of 900 errors, some causes include:

- “callback_timer_expired” 900.00 error occurs in the middle of printing certain jobs
- “powermanager” 900.00 error intermittently on devices
- “lwsmd” 900.00 error intermittently on devices
- 900.00 error when scanning via Cloud Bridge Solutions with an unsupported media size

Known Issues/Notes of Interest:

- A change in the IPP over USB device behavior in this firmware update may cause a second copy of the driver to show up on the PC for devices that are USB connected to a Windows machine running a Lexmark driver
- Starting at firmware level xx.222.031, a change was implemented for Common Criteria, which requires the X509v3 constraint "CA:TRUE" field. If a certificate does not have this constraint, then the error message “Certificate file failed validation check” appears when a user tries the user attempts to upload the certificate. Users must contact their system administrator and request a reissued certificate signed with the "CA:TRUE" constraint. For additional details, see: https://support.lexmark.com/en_us/printers/prINTER/CX735/article/v59211981/certificate-file-failed-validation-check-error-message.html

Supported Models:

Color Models	Firmware Version
Single Function Devices	
CS33x Series, C3224, C3326	CSLBL.230.217
CS42x Series, C2325, C2425	CSNZJ.230.217
CS43x Series, C3426	CSLBN.230.217
CS52x Series, C2535	CSNZJ.230.217
CS531, C2335	CSNGV.230.217
CS62x Series, C2240	CSTZJ.230.217
CS632	CSTGV.230.217
CS72x Series, C4150	CSTAT.230.217
CS73x Series, C4342, C4352	CSTMM.230.217
CS82x Series, C6160	CSTPP.230.217
CS92x Series, C9235	CSTMH.230.217
CS93x Series	CSTPC.230.217

Multi-Function Devices	
CX33x Series, MC3224, MC3326	CXLBL.230.217
CX42x Series, MC2325, MC2425	CXNZJ.230.217
CX43x Series, MC3426	CXLBN.230.217
CX52x Series, MC2535, XC2235	CXTZJ.230.217
CX532, XC2335	CXTGV.230.217
CX62x Series, MC2640, XC4240	CXTZJ.230.217
CX635	CXTGV.230.217
CX72x Series, XC414x Series, XC415x Series	CXTAT.230.217
CX73x Series, XC4342, XC4352	CXTMM.230.217
CX82x Series, XC615x Series, XC8155	CXTPP.230.217
CX86x Series, XC816x Series	CXTPP.230.217
CX92x Series, XC92xx Series	CXTMH.230.217
CX93x Series, XC93xx Series	CXTPC.230.217
CX94x Series, XC94xx Series	CXTPC.230.217
Mono Models	Firmware Version
Single Function Devices	
B2236	MSLSG.230.217
MS32x Series, B2338	MSNGM.230.217
MS33x Series, B3340	MSLBD.230.217
MS42x Series, B2442, M1242	MSNGM.230.217
MS431 Series, B3442	MSLBD.230.217
MS52x Series, B2546, M1246	MSNGM.230.217
MS531	MSNSN.230.217

MS621, B2650	MSNGM.230.217
MS622, M3250	MSTGM.230.217
MS631	MSNSN.230.217
MS632, M3350	MSTSN.230.217
MS72x Series	MSNGW.230.217
MS821, MS823, MS825, B2865	MSNGW.230.217
MS822, MS824, MS826, M5255, M5265, M5270	MSTGW.230.217
Multi-Function Devices	
MB2236	MXLSG.230.217
MX32x Series, MB2338	MXNGM.230.217
MX33x Series	MXLBD.230.217
MX42x Series, MB2442, XM1238	MXTGM.230.217
MX43x Series, MB3442	MXLBD.230.217
MX432 Series	MXTCT.230.217
MX52x Series, MB2546, XM1242, XM1246	MXTGM.230.217
MX532	MXTSN.230.217
MX62x Series, MB2650, XM3250	MXTGM.230.217
MX632, XM3350	MXTSN.230.217
MX72x Series, MB2770, XM5370	MXTGW.230.217
MX82x Series, XM73xx Series	MXTGW.230.217
MX93x Series, XM93x Series	MXTPM.230.217

Additional notes and considerations

- **Firmware upgrade warning:**
 - It may take up to 20 minutes and multiple firmware steps to update devices to FW23 code if the code level currently on the device is FW2 or FW3 based
 - To know if the device is currently running FW2 or FW3 based code, check the firmware version on the device. FW2 and FW3 based code will have the following version format:
 - ATL.03x.yyy or ATL.02x.yyy
 - CB.03x.yyy or CB.02x.yyy
 - PP.03x.yyy or PP.02x.yyy
 - YK.03x.yyy or YK.02x.yyy
- **Understanding firmware nomenclature:**
 - Beginning with FW4, firmware versions are named in the pattern ABCDD.xxy.zzz where:
 - A tells whether the printer is Mono or Color (M = mono, C = color)
 - B tells whether the printer is Single or Multi-function (S = single function printer (SFP), X = multi-function printer (MFP))
 - C tells whether the UI is a touch screen, non-touch/non-eSF capable, or “lite feature set” (T = touch screen with 4.3” or larger screen, N = non-touch screen or non-eSF capable and non-lite, L = lite)
 - DD tells the model family
 - xx tells the major firmware EC version, while y tells the minor firmware EC version (050 = FW5.0, 051 = FW5.1, etc.)
 - zzz tells the release number within that firmware EC
 - FW2 or FW3 firmware versions are named in the pattern DD.xxy.zzz using the same mapping as above. However, the DD model families used on FW2 and FW3 were changed on FW4 and newer:
 - ATL on FW2 and FW3 becomes AT on FW4 and newer
 - CB on FW2 and FW3 becomes AT on FW4 and newer
 - YK on FW2 and FW3 becomes PP on FW4 and newer