

**RELEASE NOTES: xxxAT.230.037, xxxBD.230.037, xxxBL.230.037, xxxBN.230.037, xxxCT.230.037, xxxGM.230.037, xxxGV.230.037, xxxGW.230.037, xxxMH.230.037, xxxMM.230.037, xxxPC.230.037, xxxPM.230.037, xxxPP.230.037, xxxSG.230.037, xxxSN.230.037, and xxxZJ.230.037**

## **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
  - 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.230.037, xxxBD.230.037, xxxBL.230.037, xxxBN.230.037, xxxCT.230.037, xxxGM.230.037, xxxGV.230.037, xxxGW.230.037, xxxMH.230.037, xxxMM.230.037, xxxPC.230.037, xxxPM.230.037, xxxPP.230.037, xxxSG.230.037, xxxSN.230.037, and xxxZJ.230.037 for the following devices

## Changes in 230.037 (since 221.214):

### New Features:

- Added Smart Card support for PrintCrypton
- 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
- General security hardening
- Upgraded open-source components to apply latest security patches

### Field Issues Addressed and Other Improvements:

- 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

**Supported Models:**

<b>Color Models</b>	<b>Firmware Version</b>
<b>Single Function Devices</b>	
CS33x Series, C3224, C3326	CSLBL.230.037
CS42x Series, C2325, C2425	CSNZJ.230.037
CS43x Series, C3426	CSLBN.230.037
CS52x Series, C2535	CSNZJ.230.037
CS531, C2335	CSNGV.230.037
CS62x Series, C2240	CSTZJ.230.037
CS632	CSTGV.230.037
CS72x Series, C4150	CSTAT.230.037
CS73x Series, C4342, C4352	CSTMM.230.037
CS82x Series, C6160	CSTPP.230.037
CS92x Series, C9235	CSTMH.230.037
CS93x Series	CSTPC.230.037
<b>Multi-Function Devices</b>	
CX33x Series, MC3224, MC3326	CXLBL.230.037
CX42x Series, MC2325, MC2425	CXNZJ.230.037
CX43x Series, MC3426	CXLBN.230.037
CX52x Series, MC2535, XC2235	CXTZJ.230.037
CX532, XC2335	CXTGV.230.037

CX62x Series, MC2640, XC4240	CXTZJ.230.037
CX635	CXTGV.230.037
CX72x Series, XC414x Series, XC415x Series	CXTAT.230.037
CX73x Series, XC4342, XC4352	CXTMM.230.037
CX82x Series, XC615x Series, XC8155	CXTPP.230.037
CX86x Series, XC816x Series	CXTPP.230.037
CX92x Series, XC92xx Series	CXTMH.230.037
CX93x Series, XC93xx Series	CXTPC.230.037
CX94x Series, XC94xx Series	CXTPC.230.037
<b>Mono Models</b>	<b>Firmware Version</b>
<b>Single Function Devices</b>	
B2236	MSLSG.230.037
MS32x Series, B2338	MSNGM.230.037
MS33x Series, B3340	MSLBD.230.037
MS42x Series, B2442, M1242	MSNGM.230.037
MS431 Series, B3442	MSLBD.230.037
MS52x Series, B2546, M1246	MSNGM.230.037
MS531	MSNSN.230.037
MS621, B2650	MSNGM.230.037
MS622, M3250	MSTGM.230.037
MS631	MSNSN.230.037
MS632, M3350	MSTSN.230.037
MS72x Series	MSNGW.230.037

MS821, MS823, MS825, B2865	MSNGW.230.037
MS822, MS824, MS826, M5255, M5265, M5270	MSTGW.230.037
<b>Multi-Function Devices</b>	
MB2236	MXLSG.230.037
MX32x Series, MB2338	MXNGM.230.037
MX33x Series	MXLBD.230.037
MX42x Series, MB2442, XM1238	MXTGM.230.037
MX43x Series, MB3442	MXLBD.230.037
MX432 Series	MXTCT.230.037
MX52x Series, MB2546, XM1242, XM1246	MXTGM.230.037
MX532	MXTSN.230.037
MX62x Series, MB2650, XM3250	MXTGM.230.037
MX632, XM3350	MXTSN.230.037
MX72x Series, MB2770, XM5370	MXTGW.230.037
MX82x Series, XM73xx Series	MXTGW.230.037
MX93x Series, XM93x Series	MXTPM.230.037

### **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

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- **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