

Release Notes: LW90.xx.P015

READ THIS FIRST: Special notes and considerations

- **Firmware upgrade guidelines:**
 - This firmware release is intended for all customers
 - This release is not available for all products within this generation of devices, see the list at the bottom of this document for a full list of the products supported
- **Firmware downgrade warning:**
 - Firmware downgrade is no longer supported, if there is a reason firmware downgrade is required, please contact Lexmark Technical Support
 - 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:

EC9.0, LW90.xx.P015, for the following devices

Changes in LW90.xx.P015:

New Features:

- Add support for TLS1.3
- PrintCryption v2 support – requires driver and app
- Button under “Update Firmware” setting on the device operator panel and web page allows an easy option for installing firmware updates
- Administrator level setting, not configurable at job launch, to automatically split a large Scan to Email job into multiple smaller files/emails to reduce overall email size – note: this setting works with Native Scan to Email functionality and may not be available if using other Apps or workflows
- Move scan data to utilize TLS
- Support PDF/A-2u archival PDF format
- Add support for ECC_P256 (prime256v1) openssl private key generation
- Add support for 3072-length keys
- Add/modify EULA URL in firmware update messages for all supported models listed in this document

Security Issues Addressed:

- Prevent firmware downgrades to protect against security exploits
- CVE-2023-40239 XML external entity vulnerability
- Updated Java certificates
- Update OpenSource packages
- Various other security improvements

Field Issues Addressed and Other Improvements:

- Fix for a 900.15 permanent crash that results from the Fax Logging Level being set too high for too long
- Fix for a device intermittently losing page counts when controller card is replaced
- Updates to etherFAX
- Fix for an issue where Home Screen Customization was not available on the device web page for some devices
- Fixes for various 900 errors
- Fixes for issues with various PDF test cases

Supported Models:

Model	Firmware Version
Mono Single Function Devices	
MS315dn (2.4")	LW90.TL2.P015
MS415dn, MS417 (2.4")	LW90.TL2.P015
MS51x Series, MS610dn, MS617 (2.4")	LW90.PR2.P015
MS610de (4.3" eTask)	LW90.PR4.P015
MS71x Series (2.4")	LW90.DN2.P015
MS810, MS811, MS812, MS817, MS818 (2.4")	LW90.DN2.P015
MS810de (4.3" eTask)	LW90.DN4.P015
MS812de (4.3" eTask)	LW90.DN7.P015
MS91x Series (4.3" eTask)	LW90.SA.P015
Mono Multi Function Devices	
MX41x Series, MX51x Series (4.3" eTask)	LW90.SB4.P015
MX61x Series (7.0" eTask)	LW90.SB7.P015
MX71x Series, MX81x Series (7.0"/10.0" eTask)	LW90.TU.P015
MX91x Series (10" eTask)	LW90.MG.P015
Color Single Function Devices	
CS51x Series (4.3" eTask)	LW90.VY4.P015

Color Multi Function Devices	
CX41x Series (4.3" eTask)	LW90.GM4.P015
CX51x Series (7.0" eTask)	LW90.GM7.P015

Additional notes and considerations:

- **Non-eTask Models:**
 - If the device was originally manufactured with EC1 code or earlier, it is possible that the DBCS (Japanese, Simplified Chinese, Traditional Chinese, and Korean) characters may go missing from the front panel display after updating firmware.
 - To fix this, a updfonts.flr file needs to be sent to the device. This is a smaller version that fits in the space available with no loss of characters. Please see TE612 or contact Lexmark Technical Support if this file is needed.
- **Downgrading to EC4.0 or EC4.05:**
 - Due to changes in EC4.0 and EC5, do NOT downgrade firmware from EC5 or newer directly to EC4.0 or EC4.05 based code. EC4.0 and EC4.05 code levels have names like LW40.xx.P4xx. This will cause a non-clearable 900 Service error. Contact the TSC for instructions on how to clear this error.
 - This warning includes installing a DLE with EC4.0 or EC4.05 code into a device that currently has EC5 or newer code.
 - Code levels earlier than EC4.0 can be sent to EC5 level devices without causing a service error.
 - To downgrade EC5 or newer code to an EC4.0 or EC4.05 level, you must first load an EC4.1 based code. EC4.1 code levels have names like LW41.XX.P4xx. Once the device is at an EC4.1 level, EC4.0 code can be sent.
 - As mentioned in the firmware FAQ posted on the support site, we do not officially support downgrading firmware.