

## Release Notes: LHS60.xx.P762

### READ THIS FIRST: Special notes and considerations

- **Firmware upgrade guidelines:**
  - This firmware release is intended for all customers
  - For some devices, the EC6 or newer Base code MUST be paired with new EC6 Engine code. If the base and engine code are NOT compatible, your device may crash.
    - The zip packages for these devices will include a combo file that contain both Base and Engine code. Make sure to use this combo file to perform the update. A "combo file" file name will be of the format LHS60.\*\*.P\*\*\*.LHS60.\*\*.E\*\*\*.fls.
    - If the device crashes as a result of Base/Engine incompatibility, it can be recovered. To recover, boot into "Invalid Engine" mode by pressing and holding down the 3, 6, and 4 keys on the number pad while rebooting the device. Make sure to continue holding down those keys until a screen appears that says "Invalid Engine". It is now possible to resend EC6 firmware files.
- **Firmware downgrade warning:**
  - Firmware downgrading is NOT officially supported
  - It is strongly recommended that a firmware downgrade is NOT performed.
  - Downgrading firmware from newer firmware ECs to older firmware ECs 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:

EC6.0, LHS60.xx.P762, for the following devices

#### Changes in LHS60.xx.P762:

##### Security Issues Addressed:

- Security improvements based on internal testing
- CVE-2023-26063 Postscript Buffer Overflow (type confusion)
- CVE-2023-26064 Postscript Buffer Overflow (out of bounds write)
- CVE-2023-26065 Postscript Buffer Overflow (integer overflow)
- CVE-2023-26066 Postscript Buffer Overflow (improper stack validation)
- CVE-2023-26070 SNMP input validation vulnerability

##### Field Issues Addressed and Other Improvements:

- Multiple fixes for incorrect output when printing certain PDF or Postscript print jobs
- Fix for cipher list failing to update when saved
- Fix for inability to receive faxes from a cloud-based solution via FoIP

- Security enhancement to clear the recipient field immediately after sending a scan to email
- Fix for a "PDF Error 119: Missing Font Information" message generated when printing certain PDF print jobs
- Fix for an inaccurate "Warning: IllegalMediaSize" PCL-XL error
- Translation updates
- Update Java certificate
- Fix for a 900.43 error when printing specific Postscript jobs

### **Changes in LHS60.xx.P753:**

#### Security Issues Addressed:

- CVE-2021-44734 Embedded web server input sanitization vulnerability
- CVE-2021-44737 PjL directory traversal vulnerability
- CVE-2021-44738 Postscript buffer overflow
- CVE-2021-23840 Open SSL vulnerability
- CVE-2020-13481 Cross site request forgery vulnerability
- CVE-2020-10094 Stored cross site scripting vulnerability
- CVE-2019-1559 TLS protocol vulnerability
- Cross site scripting vulnerabilities:
  - CVE-2019-19773
  - CVE-2019-19772
- CVE-2019-18791 Stored cross site scripting vulnerability
- CVE-2019-10058 Account Lockout
- CVE-2019-10059 Information disclosure via finger service
- Lexmark overflow vulnerabilities:
  - CVE-2019-9930
  - CVE-2019-9932
  - CVE-2019-9933
- CVE-2019-9931 SNMP denial of service vulnerability
- CVE-2019-6489 Shortcut integrity vulnerability
- CVE-2018-18894 Directory Traversal vulnerability
- CVE-2018-15519 Buffer overflow vulnerability
- KRACK vulnerabilities:
  - CVE-2017-13077
  - CVE-2017-13078
  - CVE-2017-13079
  - CVE-2017-13080
  - CVE-2017-13081
  - CVE-2017-13082
  - CVE-2017-13084
  - CVE-2017-13086
  - CVE-2017-13087

- CVE-2017-13088
  - Updated Java certificates for Remote Operator Panel and Scan Profiles applets
  - Enhanced security for failed login attempts

Field Issues Addressed and Other Improvements:

- Fix for an issue where the printer won't go into sleep mode while using Card Authentication
- Resolve an issue with intermittent blank white screen appearing on the operator panel
- Fix for the device operator panel becoming intermittently stuck/non-responsive
- Added support for "Always use default SMTP reply address" setting
- Expanded support for LDAP+GSSAPI connection with certain DNS servers
- Fix for PDF/A-1b scan conformance
- Enhance capability to enroll in Lexmark Cloud Services
- Resolve an issue where a card reader intermittently fails to respond
- Improvements to SMB communication with servers that reject unencrypted access when SMBv3 is enabled
- Fix for a 976:0 Service Network Software error
- Enhanced support for HTTPS fax
- Resolved multiple causes of 900.00 error messages
- Multiple translations improvements
- Fixes for various incorrect output when printing (missing characters, missing images, alignment issues, incorrect font, etc)
- Resolved multiple causes of 900.43 error messages caused by printing
- Fixes for multiple "PDF Error" messages generated during specific print jobs
- Fixes for multiple PS errors generated during specific print jobs

**Changes in LHS60.xx.P617/LHS60.xx.P618:**

New Features

- Added support for SMBv2 and SMBv3
  - See KB Article FA1227 for the instructions on how to enable SMBv3
- Added support for TLSv1.1 and TLSv1.2

Security Issues Addressed:

- CVE-2014-3566 POODLE SSLv3 vulnerability
- CVE-2015-0235 GHOST glibc vulnerability
- CVE-2015-0204 FREAK OpenSSL vulnerability
- CVE-2015-4000 Logjam OpenSSL vulnerability
- CVE-2016-2183 Sweet32 DES/triple DES cipher vulnerability
- CVE-2017-11103 Orpheus' Lyre Heimdal Kerberos vulnerability

Updated MFP Pre-installed Apps:

- Scan to Network version 4.5.14
- Forms and Favorites version 4.2.0
- Remote Operator Panel version 3.3.2
- WS-Scan version 3.3.2

- USB My MFP version 3.3.2

Updated SFP Pre-installed Apps:

- Background and Idle Screen 3.11.0
- Forms and Favorites version 3.2.0
- Remote Operator Panel version 3.3.2
- Eco-Setting 3.0.11
- Showroom 2.5.1

Field Issues Addressed and Other Improvements:

- Added DLE support for EC6.0
- Translations changes
- Update java certificates for Remote Operator Panel and Scan Profile applets
- Change Auto Continue default value from 0 (disabled) to 5 seconds
- Fix various print output issues
- Fix various 900.xx Firmware Errors from PCL5/PCL-XL/PS/PDF print jobs

**Supported Models:**

Model	Firmware Version
<b>Mono Multi Function Devices</b>	
6500e	LHS60.JR.P762
<b>Color Single Function Devices</b>	
C746	LHS60.CM2.P762
C748	LHS60.CM4.P762
C792	LHS60.HC.P762
C925	LHS60.HV.P762
C95x	LHS60.TP.P762
<b>Color Multi Function Devices</b>	
X548	LHS60.VK.P762
X74x	LHS60.NY.P762
X792	LHS60.MR.P762
X925	LHS60.HK.P762

X95x	LHS60.TQ.P762
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**Additional notes and considerations:**

- **Downgrading to pre-EC6 firmware:**
  - Due to changes in EC6 firmware, do NOT downgrade firmware from EC6 or newer to older code without working with Lexmark Technical Support or your Lexmark Representative.
  - Similar to what was described in the Firmware Upgrade section, downgrading on some models will result in a crash unless a combination Base and Engine firmware file is used.
  - As mentioned above, Lexmark does not officially support downgrading firmware.