

## NetLink NL2 / NL4 Firmware Revision Release Notes

- \* If currently installed Firmware is below 7.15 you must first upgrade to 7.15 then 8.10 before installing the latest version
- \*\* If currently installed firmware is 7.15 or above but below 8.10, you must first upgrade to 8.10 before installing the latest version
- \*\*\* If the NetLink daughter board is GREEN and the currently installed firmware is 8.10 or above but below 9.17, you must first upgrade to 9.17 before installing the latest version
- \*\*\*\* If currently installed firmware is 9.18 or above but below 9.79, you must first upgrade to 9.79 before installing the latest version

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### 9.82 – July 2024

Added SD4/SD16 auto reboot feature  
Cybersecurity Improvements  
Minor bug fixes and improvements

### \*\*\*\*9.79 – September 2023 (BRIDGE UPGRADE for revs between 9.18 and 9.78) - if below 9.79, upgrade to 9.79 first.

Added Support for SD4  
Added "Force Start" for FPO G2 battery charger  
Cybersecurity Improvements  
Minor bug fixes and improvements

### 9.77 – December 2022

**Note - This firmware and all subsequent revisions incorporates anti-rollback features. Once upgraded to this version, the NetLink device will not be able to be downgraded to any previous versions.**

Added Email and Activity log export  
Updated MIB file  
Cybersecurity Improvements  
Minor bug fixes and improvements

### 9.73 – May 2022

Upgraded to responsive GUI  
Cybersecurity Improvements  
Minor bug fixes and improvements

### 9.56 – July 2021

Cybersecurity improvements  
Added certificate authentication between NL and MSM-E  
Removed support for MSM-200  
Minor bug fixes and improvements

### 9.53 – April 2021

Fixed a bug where some M8 boards may not power cycle outputs correctly

### 9.50 – March 2021

Added a Ping button to the MSM Settings section  
Cybersecurity improvements  
Minor bug fixes and improvements

### 9.40 – August 2020

Added FPO fault details to email & SNMP reporting  
Added checkbox selection for configuration importing  
Cybersecurity improvements  
Minor bug fixes and improvements

### 9.34 – June 2020

Minor bug fixes

### 9.32 – June 2020

Home page GUI updated  
SPI connection status display added  
Device control and temperature selections on home page no longer require submit button  
Adjustable battery cutoff voltage for FPV and FPO G2  
Programmable AC voltage alert setpoints for FPV and FPO G2  
Improved OneDrop support for MSM  
Added the ability to clear history data  
Added user activity log to track configuration changes

### \*\*\*9.18 – December 2019 (BRIDGE UPGRADE for revs between 8.10 and 9.17) - if below 8.10, upgrade to 8.10 first. This bridge update is only needed for older NetLink boards with a GREEN daughter board.

Fixed an issue where the webpage could display "Forbidden" on some systems  
Modified the reset function to only reset the admin password  
Allow the "Sender Email Password" to be blank  
Force user to update to a secure password on first login  
Other minor improvements

### 9.17 – August 2019

Updated Apache and openssl  
Added LFP battery compatibility for battery test  
Added confirmation popup for M8 cycle count, System and AC fault count, and battery installation timer reset  
Minor bug fixes and improvements

### 9.14 – March 2019

Fixed issue where a malicious user could gain access to configuration information including user names and passwords. See bulletin TB0001 for more information.  
Minor bug fixes and improvements

### \*\*8.10 – February 2019 (BRIDGE UPGRADE for revs between 7.15 and 8.09) - if below 7.15, upgrade to 7.15 first

Minor bug fixes and improvements

### 8.08 – December 2018

Minor visual improvements

### 8.07I-45 – October 2018

Adds instructions for certificate uploading and testing  
Adds selection for SNMP trap version v1, v2c or v3  
Minor Bug Fixes and Improvements

### 8.07I-39 – August 2018

Adds cycle counter for M8 output relays  
Allow domain for NTP Server address  
Changed Service-type alerts to Blue  
Adds output voltages to home page  
Adds Batch Firmware Update capability when using MSM-Enterprise version 4.25 or higher  
Minor Bug Fixes & Improvements

### 8.07I-28 – April 2018

Adds MSM Enterprise compatibility  
Improved Cybersecurity  
Adds Enhanced Password Option  
Minor Bug Fixes and Improvements

### 8.05 – April 2017

Fixed syncing with computer time to compensate for daylight savings  
Improved Cybersecurity  
Improved GUI layout

### 8.04 – February 2017

Minor Bug Fixes & Improvements  
Improved Cybersecurity  
Improved GUI layout  
Added Import/Export settings capability  
Added alert for insufficient battery backup time  
Changed IP/User reset button functionality  
Added Auto-Set Limits to M8 settings  
Added ability to display fault info only when viewing history  
Added Client ID field to home page for improved site identification  
Added ability to change incorrect password lockout time

### 7.34 - July 2016

Minor Bug Fixes & Improvements  
Improved Cybersecurity

### 7.30 - June 2016

Minor Bug Fixes & Improvements  
Improved Cybersecurity

### \*7.15 – January 2016 (BRIDGE UPGRADE for revs below 7.14)

Added IPv6 Support  
Minor Bug Fixes & Improvements  
Improved Cybersecurity

### 7.13 - October 2015

Minor Bug Fixes & Improvements.  
Support special characters in password entry  
Modified data buffer Interval  
Improved IE 7 or earlier IE compatibility

### 7.10 - May 2014

Minor Bug Fixes & Improvements  
Add "Disable HTTP" Checkbox to force HTTPS usage  
Increased XML and SNMP Functionality  
Added ADC and Hall Sensor window limits

### 7.00 - March 2014

Minor Bug Fixes & Improvements  
Updated Software License  
Increased update process reliability  
Improved Cybersecurity

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