

Improvements to miniDAWN™ and microDAWN™ (NEON) Firmware

INTRODUCTION

This document highlights the most important enhancements, changes, and bug fixes made to the Wyatt Firmware. Please contact us at support@wyatt.com if you have any questions or suggestions.

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VERSION HISTORY

Special Note

- Instruments with firmware versions 4.1.0.3 or higher installed at manufacture cannot be downgraded below version 4.1.0.3.

4.1.0.5

Improvements and Bug Fixes

- **Fixed:** The power button may stop working if the instrument does not initialize properly on startup. (D-27617)

4.1.0.4

Improvements and Bug Fixes

- **Fixed:** The system temperature settings should not be visible on the Settings tab of the miniDAWN and microDAWN instruments. (D-26173)
- **Fixed:** Unable to change the Noise, Wander, and Drift presets on the Settings tab. (D-26191)

4.1.0.3

Improvements and Bug Fixes

- **Changed:** The "Output Slope" for the analog out now defaults to 1. (S-22726)
- **Changed:** User is now prompted for confirmation if restoring factory defaults. (S-22699)
- **Fixed:** Front panel should only show 1 Analog Out. (S-21755)
- **Fixed:** The "Alarm Out" cannot be changed after the "Alarm In" is changed without rebooting the instrument. (D-20468)
- **Fixed:** Sporadic false COMET and overheat alarms are sometimes seen during startup. (D-21495)

4.0.6

Improvements and Bug Fixes

- **Fixed:** Installer would sometimes hang when trying to find instruments on the network. (D-19715)
- **Fixed:** Installer would not properly report out of disk space error. (D-19559)
- **Fixed:** Some communication settings were not preserved after a reboot. (D-19163)

4.0.5

Improvements and Bug Fixes

- **Fixed:** The firmware updater has been made more reliable. (S-19000)
- **Added:** Added a SATA drive health monitor. (S-18673)

3.2.10

Improvements and Bug Fixes

- **Changed:** Optimized logging by the firmware. (D-18218)

3.2.8

Improvements and Bug Fixes

- **Added:** A lock button is now visible in the top corner of the front panel, which allows users to toggle a lock feature that disables touch screen input and dims the screen.

3.2.6

Improvements and Bug Fixes

- **Added:** A security update to further ensure that your instrument is not susceptible to network-based malware. (TT#19698)

3.2.5

Improvements and Bug Fixes

- **Fixed:** The laser now turns back on after the hood is closed during a collection. (TT#18765)
- **Fixed:** Warn the user that the laser cannot be turned on for thirty seconds after DLS is turned off. (TT#18809)

3.2.4

Improvements and Bug Fixes

- **Added:** The main graph on the front panel now has an auto-scale button. (S-05872)
- **Updated:** The health indicators are disabled when the laser interlock alarm is triggered and are reinitialized when the alarm is turned off. (D-05396)
- **Updated:** The graphs on the front panel automatically scroll when zoomed in if there are more than two hours of data. (S-05590)
- **Fixed:** Addressed an issue where the temperature displays -50C when the temp probe is disconnected. It now displays an appropriate message. (D-03228)
- **Fixed:** Addressed an issue where the log database can be corrupted when requested by CheckPlus. (D-01505)
- **Fixed:** Addressed an issue where the laser will go into idle mode when it is switched off

instead of turning off. (D-03520)

- **Fixed:** Addressed an issue where the validation of custom axis scales can be wrong on the front panel when modified. (D-03321)

Fixed: Addressed an issue where the values for parameters on the front panel can display the wrong data. (D-03253)

3.2.2

Initial Release

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Please contact Wyatt Customer Support if you need more information about changes in earlier versions of the firmware.