

# Improvements to ultraDAWN™ (NEON) Firmware

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## INTRODUCTION

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

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## VERSION HISTORY

### 9.1.9

#### Improvements and Bug Fixes

- **Fixed:** Results do not update on the front panel for the Online Macromolecule workflow. (D-21044)
- **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)

### 9.1.6

#### Improvements and Bug Fixes

- **Added:** Support for Inline AAV workflow. (S-17302)
- **Changed:** The names of various result traces were changed to be consistent with OBSERVER. (D-20483, D-20485)
- **Fixed:** Various issues when ASTRA and OBSERVER are collecting data simultaneously. (D-17724, D-19246, )
- **Fixed:** The name of size result (Length and Radius) was not updated when the model was changed on OBSERVER. (D-20484)

### 9.0.10

#### Improvements and Bug Fixes

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

## 9.0.7

### Improvements and Bug Fixes

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

## 9.0.5

### Improvements and Bug Fixes

- **Added:** Support for ASTRA Security Pack lockout. (S-16753, D-17871)
- **Fixed:** Addressed an issue where the Warlock would not log all events. (D-17608)
- **Fixed:** Addressed an issue where a missing startup check parameter would cause a startup check error. (D-18298)
- **Fixed:** A statically set IP address will now always stick across reboots. (D-16753)

## 8.3.0

### Improvements and Bug Fixes

- **Added:** Support for Inline Nanoparticle workflow. (TT#20182)

## 8.2.24

### Improvements and Bug Fixes

- **Added:** Support for the Heated/Cooled temperature option. (TT#20027)
- **Fixed:** Addressed an issue where ultraDAWN could lose the connection to OBSERVER and the graph would stop updating. (TT#20026)

## 8.2.22

### Improvements and Bug Fixes

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

## 8.2.20

### Improvements and Bug Fixes

- **Added:** Support for new Online Nanoparticle workflow in OBSERVER 1.1.0. (TT#19592)

## 8.2.15

### Improvements and Bug Fixes

- **Added:** ultraDAWN Display Unit in Advanced Mode. (TT #19089)
- **Fixed:** ultraDAWN loading image performance improved (TT#19332)
- **Fixed:** ultraDAWN was not displaying OBSERVER graph upon instrument restart (TT#19371)
- **Fixed:** ultraDAWN & OBSERVER out of sync (TT#19334)

## 8.2.14

### Improvements and Bug Fixes

- **Added:** Ability to select multiple traces on the OBSERVER graph. (TT #19165)
- **Added:** Rg trace to the OBSERVER graph. (TT #19166)
- **Added:** Ability to lock the front panel interface via a lock button on the front panel. (TT #19163)

## 8.2.10

### Initial Release

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