



SMARTdiagnostics® Release Notes

Software Version 3.12

Scheduled Installation Date: June 5, 2020



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1.0 Summary of Release Version 3.12

The SMARTdiagnostics® Version 3.12 Release will be installed on June 5, 2020. This release will be installed during our regular maintenance hours and should be complete by 8:00 AM EDT. Users should have little to no interruption to their use of the SMARTdiagnostics® software during this time. Should you experience any issues, please check the current status listed on the KCF Status Page for updates before reaching out to our Support Team.

This document will detail the changes made to SMARTdiagnostics® Version 3.12 including enhancements to existing functionality, new features as well as bug fixes addressed in this release. Please note that users may not have access to all features listed in this document dependent upon each facility's configuration and setup. If you are interested in learning more about a feature or functionality, please contact your Sentry Team or Support for more information.

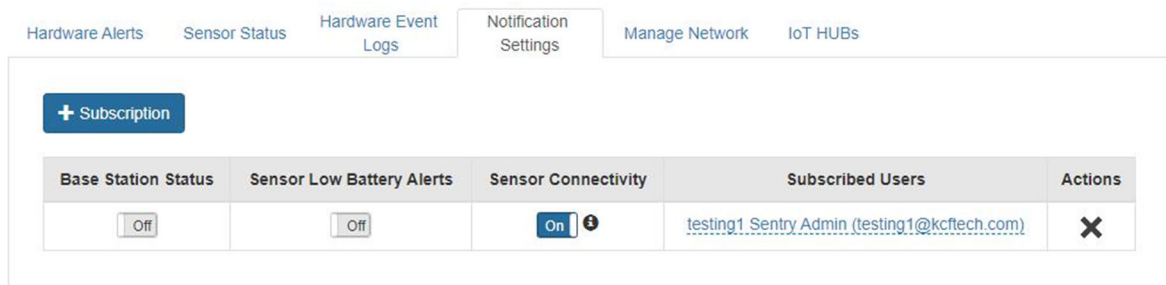
2.0 Enhancements to Existing Functionality

Software enhancements include changes to existing functionality to increase usability or performance. It's important to review these changes to understand the impact they may have to your current processes as they may incorporate screen or navigation changes.

2.1 Email Subscription for Report of Offline Sensors

A sensor may occasionally stop trending vibration data. When this happens, it's important for users to be informed so important failures aren't missed on the monitored asset and the sensor can be fixed or replaced quickly.

Because some sensors drop offline intermittently due to low connectivity throughout the day, a 12 hour threshold is being used to identify problematic sensors apart from a sensor that just temporarily lost connection. When an assigned sensor is offline for 12 or more hours, it will be included in the Sensor Connectivity daily email report.



The screenshot shows the 'Notification Settings' tab in a software interface. At the top, there are navigation tabs: 'Hardware Alerts', 'Sensor Status', 'Hardware Event Logs', 'Notification Settings' (selected), 'Manage Network', and 'IoT HUBs'. Below the tabs is a '+ Subscription' button. A table below lists subscription settings for three categories: 'Base Station Status', 'Sensor Low Battery Alerts', and 'Sensor Connectivity'. The 'Base Station Status' and 'Sensor Low Battery Alerts' are set to 'Off'. 'Sensor Connectivity' is set to 'On' with a bell icon. The 'Subscribed Users' column shows 'testing1 Sentry Admin (testing1@kcftech.com)' and an 'Actions' column with a close icon (X).

Base Station Status	Sensor Low Battery Alerts	Sensor Connectivity	Subscribed Users	Actions
Off	Off	On	testing1 Sentry Admin (testing1@kcftech.com)	

3.0 New Features

New features include functionality that did not previously exist in the software and are based on feedback from our users or industry need. This functionality may require configuration changes to the system, additional setup or possibly specific hardware so please review the information to understand requirements for use.

3.1 Measurement Marker Added Independent from Running Speed

When a running speed is setup for an MDL, customers expect that running speed marker to remain in place. However, there are times when a user may want to do further analysis. Prior to this release, the user would have to move the running speed marker along the frequency spectrum to look for harmonics or sidebands and then remember to change the running speed marker back to its original placement upon completion of their analysis. Users will now have an independent measurement marker that they can drag around to measure the sideband at different spacing points without impacting the set running speed marker.



4.0 Public API

There are no changes to the Public API in this release.

5.0 Bug Fixes

The following Bugs reported by our users have been addressed in this release:

- Bug 14714 – User assignment in SD Notifications not sticking
- Bug 12381 – Offline repeaters should display at bottom of list
- Bug 14370 - Off Threshold and Alarm/Warning Thresholds can be NaN