

RELEASE NOTE SUMMARY



Overview

This document provides a compilation of Release Notes that have been published by Industrial Scientific to date. *Table 1. Document Summary* provides a list of instruments, version numbers, release dates and a brief overview of each Release Note document. Following Table 1, you will find a copy of the complete version of each document.

Document Summary

Table 1. Release Notes Document Summary

Instrument	Version	Release Date	Summary of Features Added and Issues Addressed
RGX™ Gateway			
	v1.61	12/16/20	Improved communication accuracy and reliability
	v1.6	5/21/20	SAFER One support is now available.
	v1.40.15	3/3/20	Updated certificate.
	v1.4	7/12/19	New and updated settings including beaconing mode, always on, repeater mode, and CE/RED compliance.

RGX Gateway

v1.61 – Released December 16, 2020

Upgrade recommendation

- Critical – All instruments must be upgraded to ensure continued operation.
- Recommended – Industrial Scientific recommends you upgrade the instrument firmware to ensure optimal performance.
- Optional – Users may upgrade instruments to take advantage of new features.

Upgrade Methods

Once a firmware upgrade is scheduled from iNet Control and the RGX Gateway is connected to the cloud, the RGX Gateway will automatically upgrade within 15 minutes. While upgrading, the power button light will blink green until complete.

What's new in RGX Gateway firmware v1.61

- **Elimination of short term/long term lost error when the RGX is continuously powered**
 - Prior to this resolution periodically the RGX would transmit instrument data but appear to be in short / long term lost
- **Increased communication accuracy and reliability**
 - Improved status communication between instrument and RGX
 - Improved GPS Accuracy and Communication
 - Improved RGX reliability in reporting data to iNet
 - Improved reliability on Ethernet Communication

v1.6 – Released May 21, 2020

Upgrade recommendation

- Critical – All instruments must be upgraded to ensure continued operation.
- Recommended – Industrial Scientific recommends you upgrade the instrument firmware to ensure optimal performance.
- Optional – Users may upgrade instruments to take advantage of new features.

Upgrade Methods

Once a firmware upgrade is scheduled from iNet Control and the RGX Gateway is connected to the cloud, the RGX Gateway will automatically upgrade within 15 minutes. While upgrading, the power button light will blink green until complete.

What's new in RGX Gateway firmware v1.6?

- **SAFER One Support** – This firmware version includes updates to the way data is uploaded for use in SAFER One, Industrial Scientific's software product that allows you to identify the source, severity, and impact of any chemical situation. SAFER One customers can now select the "Dynamic Monitoring Mode" setting to optimize RGX for use with the software.
- **Enhancements and Bug Fixes** – This release also includes enhancements to support future product development as well as minor bug fixes. (RGXFIRM-209, RGXFIRM-210, RGX-250)

v1.40.15 – Released March 3, 2020

Upgrade recommendation

- Critical – All instruments must be upgraded to ensure continued operation.
- Recommended – Industrial Scientific recommends you upgrade the instrument firmware to ensure optimal performance.
- Optional – Users may upgrade instruments to take advantage of new features.

Upgrade Methods

Once a firmware upgrade is scheduled from iNet Control and the RGX Gateway is connected to the cloud, the RGX Gateway will automatically upgrade within 15 minutes. While upgrading, the power button light will blink green until complete.

What's new in RGX Gateway firmware v1.40.15?

- **Certificates** – This firmware version includes an updated certificate used while connecting RGX Gateways to iNet Now. *Note: Upgrades must be completed prior to March 28, 2020 to ensure continued connectivity to iNet Now.* (RGXFIRM-196)

v1.4 – Released July 12th, 2019

Upgrade recommendation

- Critical – All instruments must be upgraded to ensure continued safe operation.
- Recommended – Industrial Scientific recommends you upgrade the instrument firmware to ensure optimal performance.
- Optional – Users may upgrade instruments to take advantage of new features.

Note: iAssign Beacon functionality in the RGX Gateway is only compatible with RGX units built after May 2019. Units built before this date must be sent to a service center for an upgrade.

Upgrade Methods

Once a firmware upgrade is scheduled from iNet Control and the RGX Gateway is connected to the cloud, the RGX Gateway will automatically upgrade within 15 minutes. While upgrading, the power button light will blink green until complete.

What's new in RGX Gateway firmware v1.40?

- **iAssign beaconing** – Users can now set the RGX Gateway to act as an iAssign Beacon, assigning site names and restriction levels to Ventis® Pro instruments 1, 5, 20, or 30 meters away. When acting as an iAssign Beacon, the RGX Gateway will use its current site as the site it assigns to the instruments. (RGX-24)
- **Repeater mode** – When acting in repeater mode, an RGX Gateway will not relay any LENS data to the cloud. An RGX in repeater mode can connect LENS peers, fill a distance gap, or extend a LENS wireless group. (RGX-23)
- **Verizon SIM Support** – The RGX Gateway will now be orderable with a Verizon SIM. (RGX-46)
- **Always on mode** – Always on mode prevents an RGX Gateway from being powered off in the field. Once set in iNet Control, the only way to power an RGX Gateway off is to turn always on mode off, let the RGX Gateway do a settings update, and then use the power button as normal. (RGX-21, RGX-39)
- **Lower the critical data interval** – While in an alarm state an RGX can now send updates at a user defined interval between 30-300 seconds. (RGX-26)
- **Wireless radio power settings for CE/RED compliance** – This firmware update allows the adjustment of the LENS radio power to follow CE/RED compliance. The two new settings for this feature are *World Mode* and *CE/RED Compliant*. (RGX-31)
- **GDPR Compliance** – Encrypted keys and passwords to comply with the General Data Protection Regulations (GDPR). (RGX-112)

Enhancements and Bug Fixes

Other bugs and enhancements addressed during this firmware update: (RGX-20, 27, 28, 38, 41, 44, 48, 60, 64, 65, 66, 68, 86, 88, 95, 108, 110, 123, 132, 138, 149, 168)