

Product Change Notification (PCN)

PCN #: 3A-2020

DATE: 04/24/2020

1 PRODUCTS AFFECTED:

Orderable Part Number	Old Rev	New Rev	Description
Standard Gateways			
RG191 (450-0175)	4	5	Kit, Sentrius Gateway, NA, 915 MHz
RG186 (450-0176)	4	5	Kit, Sentrius Gateway, EU, 868MHz
455-00028	2	3	Kit, Sentrius Gateway, UK, 868MHz
AS923 Region Gateways			
455-00054	1	2	Kit, Sentrius RG191 Gateway, TW, 923MHz
455-00055	1	2	Kit, Sentrius RG191 Gateway, NZ, 923MHz
455-00056	1	2	Kit, Sentrius RG191 Gateway, HK, 923MHz
455-00057	1	2	Kit, Sentrius RG191 Gateway, AU, 902-928MHz
IP67 Gateways			
450-0190	5	6	Kit, Sentrius Gateway, EU, 868MHz, IP67
450-0191	5	6	Kit, Sentrius Gateway, NA, 915MHz, IP67

The information in this document is subject to change without notice.

These top-level orderable part numbers include various accessories and packaging, as well as the main Sentrius LoRa Gateway. All changes implemented in these kits have been associated with the LoRa Gateway itself and the table below shows the correlation between the included gateway and associated kits.

<i>Included Sentrius LoRa Gateway – Internal Part Number</i>				Associated Kit
Laird Part Number	Old Rev	New Rev	Description	
450-0174	5	6	Assembly, Sentrius Gateway, NA, 915 MHz	RG191 & 455-00028
450-0179	5	6	Assembly, Sentrius Gateway, EU, 868MHz	RG186
450-0192	5	6	Assembly, Sentrius Gateway, EU, 868MHz, IP67	450-0190
450-0193	5	6	Assembly, Sentrius Gateway, NA, 915MHz, IP67	450-0191
450-00055	1	2	Assembly, Sentrius RG191 Gateway, TW, 923MHz	455-00054
450-00056	1	2	Assembly, Sentrius RG191 Gateway, NZ, 923MHz	455-00055
450-00057	1	2	Assembly, Sentrius RG191 Gateway, HK, 923MHz	455-00056
450-00058	1	2	Assembly, Sentrius RG191 Gateway, AU, 902-928MHz	455-00057

2 DESCRIPTION OF CHANGES:

All changes have been applied to Sentrius gateway part numbers 450-0174, 450-0179, 450-0192, 450-0193, 450-00055, 450-00056, 450-00057, & 450-00058:

- **Release of GA5.1 Firmware**

RELEASE NOTES ARE LOCATED AT:

[GA5.1 FW RELEASE NOTE v93.8.5.21](#)

Note1: Release notes for version GA4.1 are also contained within the release note link for version GA5.1 listed above.

Note2: For customers using GA4.0 FW, who do not wish to update to the latest GA5.1, there is an option to manually define the update URL to install firmware version GA4.1. GA4.1 resolves an issue allowing the user to switch the mode of operation between AS923 and AU915 on the Australian SKU.

The URL link is available in the RG1xx User Guide.

*****It is recommended to go to the latest firmware version for the LoRa Gateways*****

3 REASON FOR CHANGE:

- GA4.1 FW update resolves an issue allowing the user to switch the mode of operation between AS923 and AU915 on the Australian Sentrius LoRa Gateway
- GA5 FW update including various new or enhanced features for all supported regions of Sentrius LoRa Gateway
- GA5.1 FW update resolves an issue allowing the user to switch the mode of operation between AS923 and AU915 on the Australian Sentrius LoRa Gateway

4 ANTICIPATED IMPACT OF THE CHANGE:

- As part of the GA5.x update the MQTT bridge has been removed. Customers who are using the MQTT bridge can either stay on GA4.x or reconfigure to use Basics Station. Essentially the Chirpstack bridge will now run on the server instead of on the gateway. With Basic Station, it will use a secure web socket connection to the bridge component of Chirpstack on the server. This is documented on the Chirpstack website.
- As part of the GA5.x update the TTN forwarder option has been removed. Any customers who are dependent on the TTN forwarder and not ready to migrate to Basics Station can continue with the GA4.x firmware for the time being, but the TTN forwarder option has been removed due to TTN/TTI discontinuing support for this forwarder in the near future, so customers will need to migrate.

5 METHOD OF IDENTIFYING THE CHANGED PRODUCT:

5.1 Top Level Part Number Changes (packaged kits)

- Revision change available as revision number printed on kit content label for all kits Specific kit part number and revision printed on the label within red square area.



Note: Revision show on label is for reference only. Part number and revision will change based on the kit purchased.

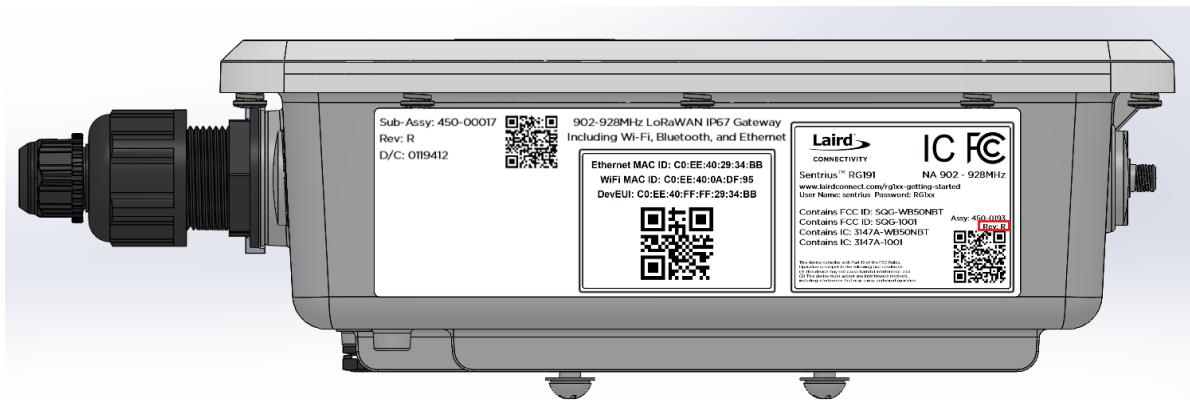
5.2 On Gateway Changes

- Labelling Changes for all Gateways – Revision change available as revision number printed by barcode and within barcode for all gateway back labels.

Standard/AS923 Gateway



IP67 Gateway



6 FACTORY EFFECTIVITY DATE:

- This will be a running change with parts at the new revision starting to ship in May 2020.

7 CONTACT INFORMATION:

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Product Change Notices (PCNs) will be distributed at the discretion of Laird. Occasionally, Laird may adjust product revision levels for internal tracking purposes only, and customers may not receive formal notifications associated with those revision changes.

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