

Product Change Notification (PCN)

PCN 10A-2018

DATE: October 30th 2018

1 PRODUCTS AFFECTED

Laird Part Number	Old Rev	New Rev	Description
RG186	2	3	Kit, Sentrius Gateway, 868 MHz internal part number 450-0176))
RG191	2	3	Kit, Sentrius Gateway, 915 MHz (internal part number 450-0175)
450-0190	3	4	Kit, Sentrius Gateway, 868 MHz, IP67
450-0191	3	4	Kit, Sentrius Gateway, 915 MHz, IP67
450-0174	3	4	Gateway, Sentrius, 868 MHz (used in 450-0176)
450-0179	3	4	Gateway, Sentrius, 915 MHz (used in 450-0175)
450-0192	3	4	Gateway, Sentrius, 868 MHz, IP67 (used in 450-0190)
450-0193	3	4	Gateway, Sentrius, 915 MHz, IP67 (used in 450-0191)

2 DESCRIPTION OF CHANGES

- The power supply regulator IC was changed from TPS54525PWP to TPS56628DDA. The new regulator does not have an under-voltage shutdown feature.
- Added Revision number to the label on the Kit boxes (450-0175, 450-0176, 450-0190, and 450-0191).

3 REASON FOR CHANGE

- Under certain brownout conditions, it is possible that the gateway's power supply regulator can shut off, and stay off, even after the brownout condition goes away. In this situation, a power cycle to the gateway is required in order to get the gateway back to normal operation.
- To make it easy to identify the revision of the gateways in the kit boxes, a revision has been added to the kit boxes.

4 ANTICIPATED IMPACT OF THE CHANGE

- None

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

5 METHOD OF IDENTIFYING THE CHANGED PRODUCT

5.1 Gateway Serial Label

The revision can be found on the label on the back of the standard Gateway or on the side of the IP67 Gateway.

5.1.1 Standard Gateway Version (450-0174 and 450-0179)

Laird
Smart Technology. Delivered.

Sentrius™ RG186 (450-0174)
868 MHz Intelligent Gateway including
LoRaWAN, Wi-Fi, Bluetooth, and Ethernet

TRA
REGISTERED No:
ER61585/18
DEALER No:
DA72940/18

Ethernet MAC ID: C0:EE:40:29:35:40
WIFI MAC ID: C0:EE:40:0A:DA:87
M2 EUI: C0:EE:40:FF:FF:29:35:40

www.lairdtech.com/RG1xx_Getting_Started
User Name: sentrius
Password: RG1xx

0113117

Rev. 4

Laird IC FCC
Smart Technology. Delivered.

Sentrius™ RG191 (450-0179)
915 MHz Intelligent Gateway including
LoRaWAN, Wi-Fi, Bluetooth, and Ethernet

0117174

Contains FCC ID: SQG-WB50NBT
Contains IC: 3147A-WB50NBT
Contains FCC ID: SQG-1001
Contains IC: 3147A-1001

Ethernet MAC ID: C0:EE:40:29:37:8B
WIFI MAC ID: C0:EE:40:0A:D9:49
M2 EUI: C0:EE:40:FF:FF:29:37:8B

www.lairdtech.com/RG1xx_Getting_Started
User Name: sentrius
Password: RG1xx

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received,
including interference that may cause undesired operation

Rev. 4

5.1.2 IP67 Gateway Version (450-0192 and 450-0193)

Laird CE
Smart Technology. Delivered.

Sentrius™ RG186 (450-0192)
868 MHz Intelligent Gateway IP67 including
LoRaWAN, Wi-Fi, Bluetooth, and Ethernet

Ethernet MAC ID: C0:EE:40:29:37:8B
WIFI MAC ID: C0:EE:40:0A:D9:49
M2 EUI: C0:EE:40:FF:FF:29:37:8B

www.lairdtech.com/RG1xx_Getting_Started
User Name: sentrius
Password: RG1xx

0117174

Rev. 4

Laird FCC IC
Smart Technology. Delivered.

www.lairdtech.com/RG1xx_Getting_Started
User Name: sentrius Password: RG1xx

Sentrius™ RG191 (450-0193)
915 MHz Intelligent Gateway IP67 including
LoRaWAN, Wi-Fi, Bluetooth, and Ethernet

0117174

Contains FCC ID: SQG-WB50NBT
Contains IC: 3147A-WB50NBT
Contains FCC ID: SQG-1001
Contains IC: 3147A-1001

Ethernet MAC ID: C0:EE:40:29:37:8B
WIFI MAC ID: C0:EE:40:0A:D9:49
M2 EUI: C0:EE:40:FF:FF:29:37:8B

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received,
including interference that may cause undesired operation

Rev. 4

5.2 Gateway Kits

Previous versions of the kit label did not display the revision on the label, the revision was embedded in the barcode only.

5.2.1 Standard Gateway Kit Version (450-0176 and 450-0175)



**Sentrius™
RG186 Gateway**

868 MHz Intelligent Gateway
including LoRaWAN™, Wi-Fi®,
Bluetooth®, and Ethernet

Box Contains:
1 x RG186 – Sentrius Gateway
1 x External Power Supply Adapter – Euro Plug
2 x 2.4 / 5GHz Dipole Antenna
1 x 868MHz Dipole Antenna
1 x Ethernet cable

Part Number: RG186

To get started with the RG186, visit:
www.lairdtech.com/RG186_Getting_Started



**Sentrius™
RG191 Gateway**

915 MHz Intelligent Gateway
including LoRaWAN™, Wi-Fi®,
Bluetooth®, and Ethernet

Box Contains:
1 x RG191 – Sentrius Gateway
1 x External Power Supply Adapter – US Plug
2 x 2.4 / 5GHz Dipole Antenna
1 x 915MHz Dipole Antenna
1 x Ethernet cable

Part Number: RG191

To get started with the RG191, visit:
www.lairdtech.com/RG191_Getting_Started



5.2.2 IP67 Kit Version (450-0190 and 450-0191)



**Sentrius™
RG186 Gateway -
IP67 Version**

868 MHz Intelligent Gateway
including LoRaWAN™, Wi-Fi®,
Bluetooth®, and Ethernet

Box Contains:
1 x RG186 Gateway in IP67 Enclosure
2 x 2.4 / 5GHz IP67 Dipole Antenna
1 x 868MHz IP67 Dipole Antenna

Part Number: 450-0190

To get started with the RG186, visit:
www.lairdtech.com/RG186_Getting_Started




**Sentrius™
RG191 Gateway -
IP67 Version**

915 MHz Intelligent Gateway
including LoRaWAN™, Wi-Fi®,
Bluetooth®, and Ethernet

Box Contains:
1 x RG191 Gateway in IP67 Enclosure
2 x 2.4 / 5GHz IP67 Dipole Antenna
1 x 915MHz IP67 Dipole Antenna

Part Number: 450-0191

To get started with the RG191, visit:
www.lairdtech.com/RG191_Getting_Started



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6 FACTORY EFFECTIVITY DATE

- RG186 with the new revision will start shipping no sooner than November 2018
- RG191 with the new revision will start shipping no sooner than December 2018
- 450-0190 with the new revision will start shipping no sooner than January 2019
- 450-0191 with the new revision will start shipping no sooner than January 2019

7 CONTACT INFORMATION

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