

RADION receiver SD

B810

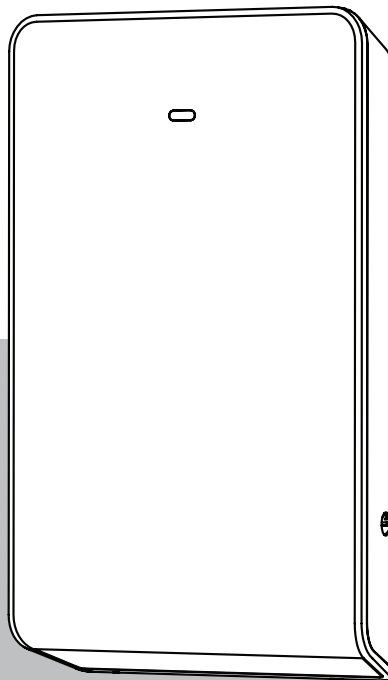


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1 Introduction

These Release Notes are for the RADION receiver SD with firmware version 3.01.001.

1.1 Requirements

There are no additional requirements for firmware version 3.01.001.

1.2 About documentation

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Manufacturing dates

For product manufacturing dates, go to <http://www.boschsecurity.com/datecodes/> and refer to the serial number located on the product label.

Trademarks

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

2 Version 3.01.001 firmware

Firmware v3.01.001 is available for RADION receiver SD (B810), SDI2 bus compatible receivers.

2.1 What's new

This section includes items that are new in this firmware release.

2.1.1 Panic button repeated alarm modification

This firmware update includes a modification to prevent repeated alarm reports when a Fixed Panic Button remains in alarm state. Specifically, the change increases the delay for the automatic restore report from B810 - from 1 second to 10 seconds. This prevents repeated alarms being sent to the panel when the device re-transmits alarms approximately every 7 seconds.

This change affects only the Panic Buttons, (RFPB-FP-A, RFPB-SB, RFPB-TB) when enrolled as points.

2.2 What's fixed

This section includes items that were fixed in this firmware release.

2.2.1 Missing Report modification

This firmware update includes a fix to make sure both “missing” and “alarm” states are reported when supervision fails on a point that is already in alarm. Previously, the system suppressed the missing report under these conditions, potentially delaying awareness of communication loss.

3 Version 3.01 firmware

Firmware v3.01 is available for RADION receiver SD (B810), SDI2 bus compatible receivers.

3.1 Whats new

This section examines the new features of this firmware version.

3.1.1 Maintenance update

Software updates are included in this firmware update to support new circuitry components on the B810 receiver.

3.2 Known issues

This section examines the known issues of this firmware version.

3.2.1 Reduced Signal and Margin levels

Signal and margin levels might be lower due to:

- integration of new hardware components in the receiver.
- Increased distance between devices and the receiver
- Physical obstructions in the signal path, and/or
- Elevated environmental RF noise.

If devices show low signal strength, low margin levels, or the installation status indicates “Bad”, follow these best practices:

Relocate the receiver (if possible):

Move the receiver closer to the devices to reduce RF distance. You can use up to 800 ft (243.84 m) of wiring from the control panel to the receiver.

Install repeaters:

Add one or more repeaters to increase RF performance. Put the repeater closer to the affected devices to improve signal and margin levels.

Use Multi-Hop Repeater networks:

For large or obstructed sites, install repeaters in a chain (multi-hop configuration) to enhance signal strength and margin levels across all devices and make sure a “Good” installation status throughout the system.

Check performance after installation:

Always verify signal strength, margin levels, and installation status using Remote Programming Software (RPS) diagnostics after installing or relocating devices and repeaters.

For installation considerations, refer to the B810 Reference Guide (F01U261834), Chapter 2 General Installation.

4 Version 2.01 firmware

Firmware v2.01 is available for the RADION receiver SD (B810), SDI2 bus compatible receiver.

4.1 What's new?

This firmware enables support for the following RADION key fobs using synchronized encryption:

- RFKF-FBS/RFKF-FBS-A/RFKF-FBS-CHI
- RFKF-TBS/RFKF-TBS-A/RFKF-TBS-CHI



Notice!

B810 receiver firmware version v2.01 or higher is required when using these RADION key fob products.

5 Determine the firmware and hardware version of the B810 receiver

The B810 receiver and its packaging labels indicate the factory-programmed firmware version. This may differ from the version currently running if a firmware update has been applied in the field. To verify the currently running firmware version, use RPS diagnostics. RPS diagnostics also reports the receiver’s hardware revision level, which may be required for troubleshooting or compatibility checks.

5.1 Firmware version from product label

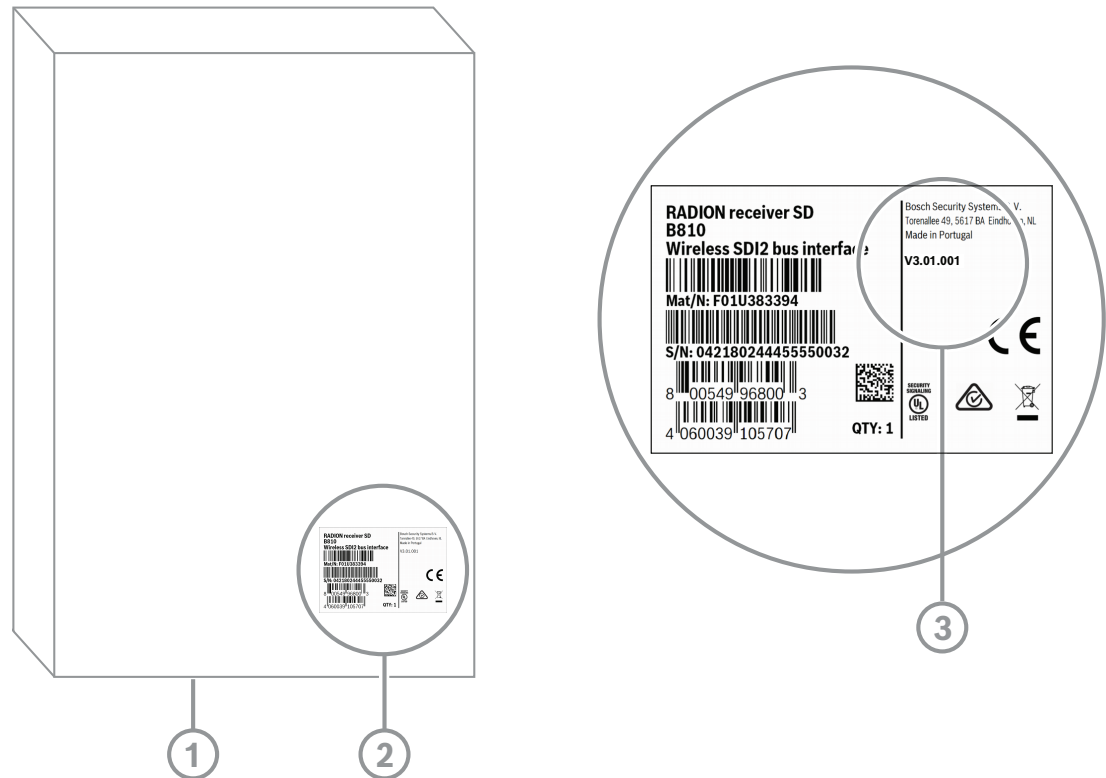


Figure 5.1: B810 box label and firmware version

Callout - Description
1 - Receiver box
2 - Receiver box label
3 - Receiver firmware version

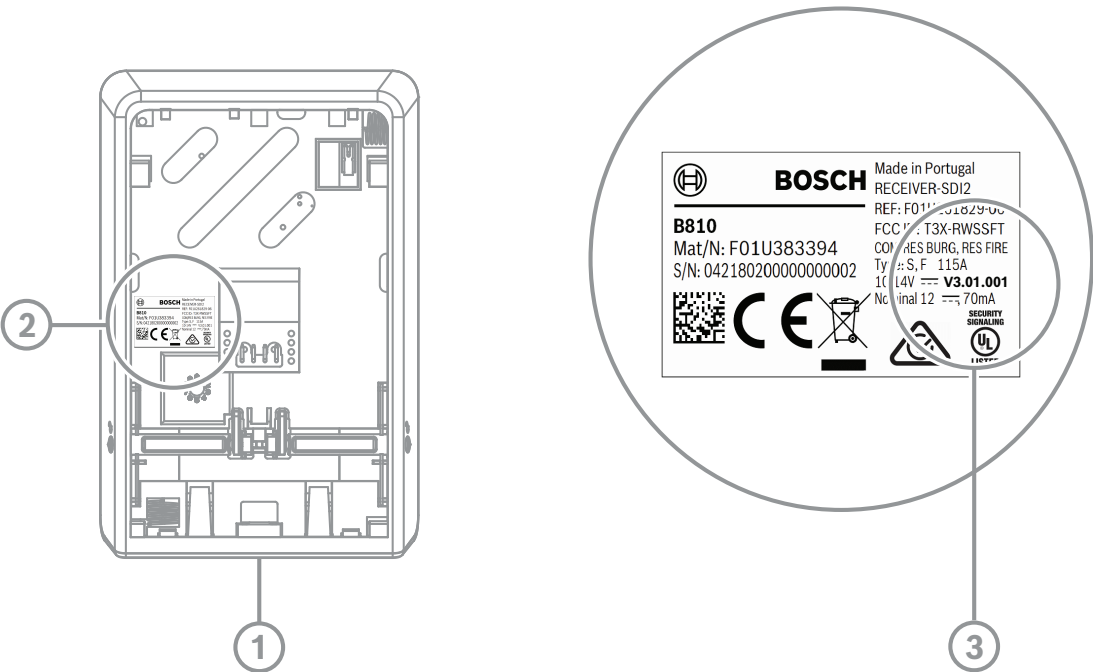
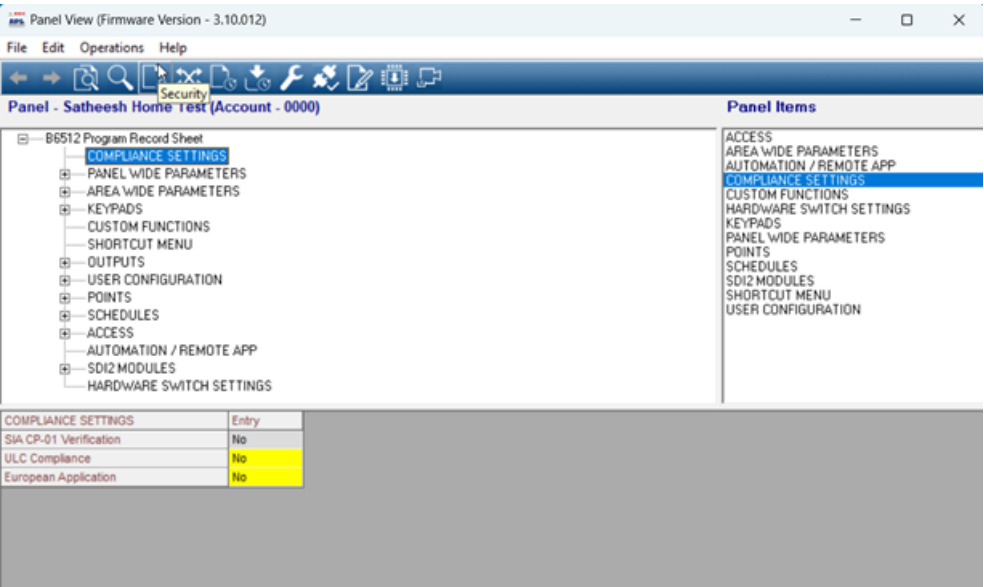


Figure 5.2: Receiver label

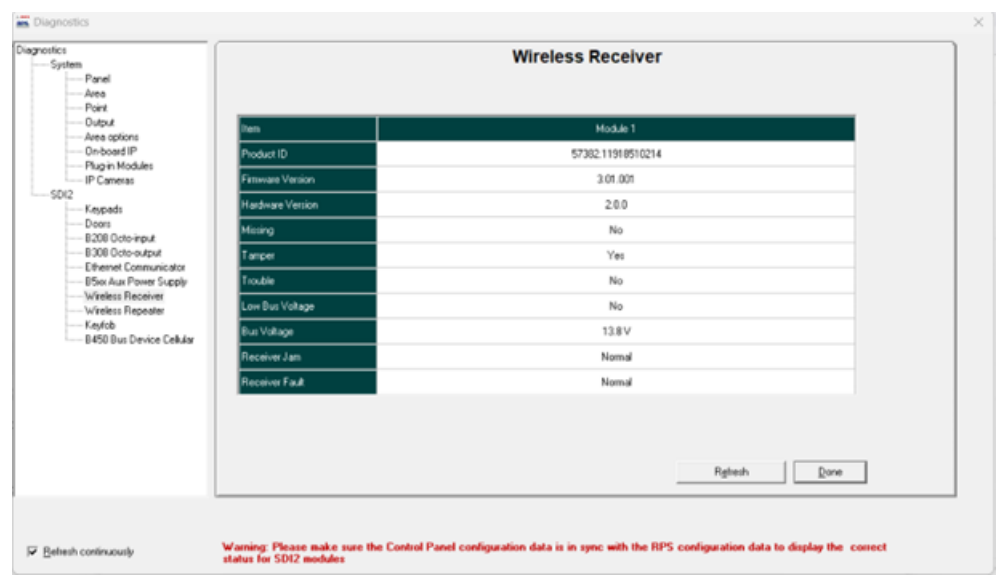
Callout - Description
1 - Receiver
2 - Receiver label
3 - Receiver firmware version

5.2 Firmware and hardware version using RPS

1. Launch RPS and connect to the control panel.



2. Open **Diagnostics** from the Toolbar menu.



3. Select **Wireless Receiver**.

The B810 Firmware and Hardware version are displayed on the Receiver Diagnostics Window.

6 Firmware upgrade instructions

Refer to the table below for compatible control panel firmware versions that support upgrading B810 firmware through RPS.

**Notice!**

Do not install firmware versions earlier than 3.01 on receivers with hardware version 2.0.0. Doing so might result in incorrect signal strength reporting and false jamming trouble indications. Use RPS diagnostics (see Section 5.2: View Firmware and Hardware Version Using RPS) to verify both the hardware revision and the currently running firmware version before performing any firmware updates.

Compatible control panel firmware versions

Compatible control panel	Control panel firmware version
B9512G/B9512G-E B8512G/B8512G-E	v3.00 or higher
B6512/B5512/B4512/B3512 B5512E/B4512E/B3512E	v2.01 or higher
D9412GV4/D7412GV4	v2.02 or higher

Compatible RPS versions

RPS must be at v5.17 or higher in order to perform a firmware upgrade to the B810 receiver. Read all applicable RPS and control panel release notes prior to upgrading. Failure to do so might cause incompatibility issues.

Perform the following steps to download the firmware.

Download the firmware from the website

Downloading the firmware:

1. Locate the firmware file (.fwr extension) for the B810 located on the RADION receiver SD product/software download web page at: www.boschsecurity.com.
2. Select North America.
3. Select country of origin (USA or Canada).
4. Select Products from the pull-down menu and choose Intrusion Alarm Systems.
5. Select Premise Wireless.
6. Select RADION.
7. Scroll down and select RADION receiver SD.
8. Select the Software Downloads tab.
9. Locate the firmware file (.fwr extension).
10. Save the file to your computer, and to a directory to which RPS has access.

Import the .fwr file into RPS

Perform the following steps to import the .fwr file into RPS.

**Notice!**

The B810 receiver must be connected to a supporting control panel in order to upload the firmware.

Importing the .fwr file:

1. Launch RPS.
2. Select Config from the top menu area, and then System.
3. Select the Firmware Files tab.
4. Select Import.
5. Select the box next to Select Firmware File to navigate and locate the saved .fwr file.
6. Select the .fwr file and select Open.
7. Follow the wizard to complete the import.

Update the receiver using RPS

Updating the receiver:

1. Select the appropriate control panel account and connect to it.
2. Use the Firmware Update Wizard to update the B810 receiver with the imported firmware file.
Refer to *RPS Help* for detailed instructions.

Refer to

- *Determine the firmware and hardware version of the B810 receiver, page 8*

Bosch Security Systems B.V.

Torenallee 49

5617 BA Eindhoven

Netherlands

www.boschsecurity.com

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