

# GV4 v2.03 Firmware Update

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- ▶ Compatible with the new SDI2 keypads, B915/B915i/B920/B921C/B930/B942/B942W
- ▶ IPv6 protocol communication support when using the B426 Conettix Ethernet Communication Module
- ▶ Compatible with RADION wireless systems portfolio
- ▶ Supports Remote Security Control app for iOS and Android
- ▶ B450 interface supports the B44x plug-in cellular communicators

D9412GV4 and D7412GV4 control panels can accept firmware updates using the Firmware Update Wizard included with the Remote Programming Software (RPS) or a reusable firmware update ROM key.

## New features

New features in the v2.03 release include:

- B915/B915i Basic keypad
- B942/B942W Touch screen keypad (with inputs and one output)
- Monitor Delay
- Delay Response
- Area Re-Arm
- Enhanced keyfob operations
- B450 module support
- B921C keypads (with inputs)
- Remote module firmware updates
- Keypad nightlight
- Custom Function and SKED improvements

In addition, GV4 v2.03 includes support for the B930, and B920 keypads, as well as the RADION wireless portfolio of devices.

## System overview

The GV4 v2.03 firmware update is available either by download, or by ordering the update ROM key.



## Notice

The current D9412GV4 and D7412GV4 Series control panels are **not** shipped with v2.03 firmware installed. If needed, please update the GV4 v1.xx firmware using either the GV4-ROM-KEY ROM kit, or the downloadable v2.03 firmware available at [www.boschsecurity.us/en-us/](http://www.boschsecurity.us/en-us/).

## Prerequisites

The following system requirements and prerequisites must be adhered to when considering the GV4 v2.03 firmware update.

System requirements to upgrade to v2.03 control panel firmware version include:

- RPS v5.17 or greater
- GV4-ROM-KEY ROM kit (or firmware file download)
- Central station receiver must be updated with the latest software in order to take advantage of the Modem4 communication reporting format
- D6100IPv6 or D6600 with D6686 receivers are required for IPv6
- B426 Conettix Ethernet Communication Module if using IPv6 protocol
- A wired or cellular network, or serial interface connection is required. Telephone/PSTN connections do not support firmware upgrades

### Legacy keypad support

D9412GV4 and D7412GV4 control panels that are upgraded via the v2.03 firmware update continue to support SDI2 legacy keypads such as the D1255, D1260, and D1265 with a limited command set and functionality.

### Functions

Updates are available via the GV4-ROM-KEY update kit, or downloadable file at [www.boschsecurity.us/en-us/](http://www.boschsecurity.us/en-us/). Before upgrading to version 2.03 firmware, users need to install RPS v5.16 or greater.

- **A variety of keypads.** From basic keypads to touch screen keypads, the control panel supports a variety of SDI2 keypads that feature bright displays with menu navigation options which are selectable
- **Monitor Delay.** While disarmed, this feature sends a burg supervisory report to the central station receiver if a point is faulted for a configurable amount of time (e.g. a door left open).
- **Area Re-Arm.** For higher security applications, this feature guarantees that areas are always rearmed, and are disarmed for no longer than a specific, configurable, amount of time (for example, service time).
- **Enhanced keyfob operation.** Configures a users authority level for either keyfob arming, or keyfob disarming, or both.
- **Delay Response.** For special applications, this feature allows a site to create an alarm or local warning when a point remains faulted too long (or requires a longer point response time), such as an employee door, or overhead door.
- **Remote module firmware updates.** The control panel includes the support of remote module firmware updating using the RPS Firmware Update Wizard – without visiting each individual module.
- **B450 module.** Allows integrated programming of the new B450 Conettix Plug-in Communicator Interface and supporting cellular modules such as the B440 and B441.
- **Monthly test reports.** The control panel includes an option to enable monthly test reports which run every 28 days without the need to program a SKED.
- **Keypad nightlight.** Enable or disable this feature on SDI2 keypads which allows the keypad display and keys to be seen in a dark environment.
- **Custom Function and SKED improvements.** You can now include on-board outputs within SKEDS and Custom Functions. The output parameter for all SKED and Custom Functions include all on-board (1, 2, 3, (A, B, C)), off-board, and virtual outputs that are supported by the control panel.
- **RSC (Remote Security Control) app.** Supports both the iOS and the Android OS applications which allow users to arm/disarm areas, activate outputs, and control doors to which they have assigned privileges. Supporting apps are available via the Google Play Store for Android, and the iTunes App Store for iOS.

- **IPv6 functionality.** GV4 control panel supports IPv6 communication protocol when using the B426 Conettix Ethernet Communication Module when the central station receiver has been updated with the latest software.
- **32 character programming.** Supports 32 character programmable custom text for points, areas and users
- **GV4 control panel support the full line of RADION wireless portfolio.**
- **Modem4 communication and contact ID reporting.** Supports Modem4 and contact ID reporting formats. The use of Modem4 requires version 2.0 of the D6200 firmware update in order to support Modem4 communication with the Central Station receiver.
- **Keypad shortcuts.** Allows shortcut menu navigation to most common features.
- **Gas Alarm support.** B915/B920/B921C/B930/B942 keypads support such states as Gas Alarm, Gas Trouble, and Gas Supervisory and are detected and sounded using a unique alarm tone from the keypad.
- **Virtual input/output mapping.** Allows more flexibility to customize the operation of the system for special applications while reducing internal wiring.

### Downloading GV4 firmware update from the website

To download the GV4 firmware update from the website, go to: [www.boschsecurity.us/en-us/](http://www.boschsecurity.us/en-us/). Perform the procedure below to access the firmware update from the website:

1. Go to the Bosch website using the address listed above.
2. Under **Products**, click **Intrusion Alarm Systems**.
3. Click **Control Panels, Control Centers, Keypads**.
4. Click **G Series** in the middle of the screen.
5. Scroll down and select the desired control panel (D9412GV4 or D7412GV4).
6. Select the **Software Downloads** tab.
7. Select the firmware update and save to your desktop.

### Installation/configuration notes

#### V2.03 Compatible products

In addition to all the products that are supported by the GV4 v1.xx firmware, the GV4 v2.03 firmware supports the following products:

#### Keypads

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B942/B942W Touch Screen Keypad

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B930 ATM Style Alphanumeric Keypad

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B921C/B921CW Two-line Capacitive Keypad with Inputs

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B920 Two-line Alphanumeric Keypad

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B915/B915i Basic Keypad

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#### Wireless

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B810 wireless receiver

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RFBT-A bill trap transmitter

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RFDL-11-A TriTech motion detector

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RFDW-RM-A recessed door/window contact

RFDW-SM-A standard door/window contact

RFGB-A glass break detector

RFKF-TB-A 2 button keyfob

RFKF-FB-A 4-button keyfob

RFPB-SB-A single-button panic

RFPB-TB-A 2-button panic

RFPR-12-A PIR motion detector

RFPR-C12-A PIR motion detector (curtain)

RFRP-A repeater

RFSM-A smoke detector

RFUN-A universal transmitter

### Modules

B440 Conettix Plug-in Cellular Communicator (Requires use of B450)

B441 Conettix Plug-in CDMA Cellular Communicator (Requires use of B450)

B442 Conettix Plug-in GPRS Cellular Communicator (Requires use of B450)

B443 Conettix Plug-in HSPA+ Cellular Communicator (Requires use of B450)

B426 Conettix Ethernet Communication Module<sup>1</sup>

B450 Conettix Plug-in Communicator Interface

<sup>1</sup>Complete G Series compatibility. Required for IPv6 functionality.

### Cellular technology compatibility

Device	Cellular networks			
	2G (CDMA)	3G (CDMA)	GPRS (GSM)	HSPA+ (GSM)
B440*	X	X		
B441*	X			
B442*			X	
B443*			X	X

\*Check for availability in your region.

### Parts included

The GV4 v2.03 firmware update key includes the following parts:

Quantity	Component
1	GV4 ROM Key

1 GV4 Owner's Manual

1 GV4 Literature

### Ordering information

#### GV4 v2.03 Firmware Update

Firmware updates current D9412GV4/D7412GV4 v1.xx control panels to GV4 v2.xx.

Order number **GV4-ROM-KEY**

#### Accessories

##### B450 Conettix Plug-in Communicator Interface

Supports two-way IP communication over using a plug-in Cellular Communicator for compatible SDI2, SDI or option bus control panels.

Order number **B450**

##### B441 Conettix Plug-in Cellular Communicator

Multi-function CDMA cellular communicator for secure two-way IP communication on the Verizon Wireless network.

Order number **B441**

##### B440 Conettix Plug-in Cellular Communicator

Dual technology 3G EVDO/CDMA cellular communicator for secure two-way IP communication on the Verizon Wireless network.

Order number **B440**

##### B930 ATM Style Alphanumeric Keypad (SDI2)

Five-line ATM style alphanumeric keypad

Order number **B930**

##### B920 Two-line Alphanumeric Keypad (SDI2)

Two-line alphanumeric keypad

Order number **B920**

##### B921C Two-line Capacitive Keypad with Inputs (SDI2) (black)

Two-line alphanumeric keypad with inputs and capacitive touch keys.

Order number **B921C**

##### B426 Ethernet Communication Module

Supports two-way communications over Ethernet networks for compatible control panels.

Order number **B426**

##### B56 Keypad Surface Mount Box

Surface mount box for mounting a keypad to concrete or block.

Order number **B56**

#### Software Options

##### RPS Kit (USB)

Account management and control panel programming software with USB security key (dongle).

Order number **D5500C-USB**

##### RPS Software Upgrade

RPS software upgrade on CD-ROM.

Order number **D5500CU**

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