Release Notes for Version 8.04/8.11

December 2010

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1.0   Requirements

Table 1: Required Handlers for v8.04 and earlier		
D5200 Handler	**Version**	**Changes and Notes**
GV2MAIN	1.04	Updated to support D9412GV3, D7412GV3, and D7212GV3 v8.04. Not supported in v8.11 and later.
GV2AUX	1.04	Updated to support D9412GV3, D7412GV3, and D7212GV3 v8.04. Not supported in v8.11 and later.
RADXUSR1	1.06	Compatible with D9412GV3, D7412GV3, and D7212GV3 v8.04. Not supported in v8.11 and later.
RADXUSR2	1.05	Compatible with D9412GV3 v8.04. Not supported in v8.11 and later.
RADXPNTS	1.08	Compatible with D9412GV3, D7412GV3, and D7212GV3 v8.04. Not supported in v8.11 and later.
RADXSKED	1.04	Compatible with D9412GV3, D7412GV3, and D7212GV3 v8.04. Not supported in v8.11 and later.
RADXAXS	1.06	Compatible with D9412GV3 and D7412GV3 v8.04. Not supported in v8.11 and later.
9000MAIN	NA	**Not compatible** with the GV3 Series Control Panels
RADXAUX1	NA	**Not compatible** with the GV3 Series Control Panels

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D9412GV3/D7412GV3/D7212GV3

Table 2:	Supporting Literature for D9412GV3/ D7412GV3/D7212GV3 with Firmware Version 8.11 and Later

Document Name	Part Number
D9412GV3/D7412GV3 Program Entry Guide	F01U170807
D9412GV3/D7412GV3 Program Record Sheet	F01U170809
D9412GV3/D7412GV3 Operation and Installation Guide	F01U143070
D9412GV3/D7412GV3 Approved Applications Compliance Guide	F01U143069
D7212GV3 Program Entry Guide	F01U170808
D7212GV3 Program Record Sheet	F01U170810
D7212GV3 Operation and Installation Guide	F01U143079
D9412GV3/D7412GV3 Approved Applications Compliance Guide	F01U433080

✓ Use Remote Programming Software (RPS) version 5.13 and later with this software version.

The D5200 Programmer is not supported by GV3 Series control panels as of v8.11 and later.

A limited programmers menu is available from the Service menu on the keypad.

Table 4: Firmware Update Kit Part Numbers

Firmware Version	Part Number
v8.04	GV3-8.04-KEY
v8.11	GV3-ROM-KEY

✓ When upgrading from GV3 Series Control Panel Firmware, verify all associated prompts against the compliance table in the *D9412GV3/D7412GV3 Program Entry Guide* (F01U170807) or the *D7212GV3 Program Entry Guide* (F01U170808) to ensure compliance with the ANSI SIA CP-01 False Alarm Reduction Standard.

✓ Do not downgrade a GV3 Series control panel running v8.11 or later firmware to v8.03 or older firmware. Doing so will make the control panel non-operational.

Table 3:	Supporting Literature for D9412GV3/ D7412GV3/D7212GV3 with Firmware Version 8.03 through 8.09

Document Name	Part Number
D9412GV3/D7412GV3 Program Entry Guide	F01U143071
D9412GV3/D7412GV3 Program Record Sheet	F01U143072
D9412GV3/D7412GV3 Operation and Installation Guide	F01U143070
D9412GV3/D7412GV3 Approved Applications Compliance Guide	F01U143069
D7212GV3 Program Entry Guide	F01U143077
D7212GV3 Program Record Sheet	F01U143078
D7212GV3 Operation and Installation Guide	F01U143079
D9412GV3/D7412GV3 Approved Applications Compliance Guide	F01U433080

2.0   Firmware Revision History

☑ Version 8.00 and 8.01 were skipped during development and were **not** released.

2.1   Version 8.11

2.1.1   Area Enhancements and Changes

- Changes were made to the D9412GV3 Control Panel to add Areas 9 through 32.

- Changes were made to add a separate **A# Area Name Text** prompt for each area. The area text for the D1260 Keypads is no longer stored in the point text for Points 240 through 247.

- To preserve backwards compatibility, restrictions were added to the D9412GV3 to limit the access control modules (D9210B) to the first 8 areas.

- To preserve backward compatibility, restrictions were added to the D9412GV3 event printer modules (D9131A) to represent Areas 10 through 32 as 0.

2.1.2   Keypad Enhancements and Changes

- Changes were made to the D9412GV3 and D7412GV3 Control Panels to add supervised keypads at SDI Addresses 9 through 16 for the D1255 only. The D1260 Keypad with firmware v1.04 only supports SDI Addresses 1 through 8.

- Changes were made to the Service Menu (99+ENTER) to provide a limited programmer's interface for the D1255 and D1260 Keypads.

- When the reset switch (labeled S1) is closed, two unsupervised keypads are supported at SDI Addresses 8 and 16.

  - The control panel expects a D1260 keypad at SDI Address 8, and a D1255 keypad at SDI Address 16. If a D1255 or D720 are at SDI address 8, then that address cannot be used for this purpose.

  - These keypads are restricted to the Installer Menu and can only be accessed by the Service User.

  - The Installers Menu has the following options: Keypad Programming, View Log, Display Revision, and Contact RPS. The Installer Menu can only be active on one keypad at a time.

2.1.3   Remote Programming Enhancements and Changes

- The D5200 Handheld Programmer is no longer supported by the GV3 Series Control Panels with firmware version 8.11 and later. GV3 Series firmware version 8.04 maintains support for the D5200. Refer to the second bullet in *Section 2.1.4 Miscellaneous Enhancements and Changes* on page 4 for more information.

- The D5360 Direct Connect Module is no longer supported by the GV3 Series Control Panels with firmware version 8.11 and later. GV3 Series firmware version 8.04 maintains support for the D5360. Instead, use the DX4010V2 USB/Serial Interface Module when directly connecting to a version 8.11 or later control panel.

- The External Modem option to communicate with RPS is no longer supported by the GV3 Series Control Panels with firmware version 8.11 and later. GV3 Series firmware version 8.04 maintains support for the external modem connection method.

- Support was added for RPS Unattended Service over network or phone to provide automated event log uploads and control panel configuration updates. Unattended RPS must be supported by the monitoring company.

  - Support was added for Skeds (Function 12) to contact RPS Unattended Service periodically.

  - Support was added to the Log Threshold feature to contact RPS Unattended Service when **Log % Full** is reached.

- Security enhancements were made to the RPS authentication procedure for GV3 Series control panels with version 8.11 and later. These enhancements are enabled automatically to prevent fraudulent communication with the control panel.

- Several enhancements were made to the Contact RPS menu (COMMAND 43) on a D1255 or D1260 Keypad:

  - The menu can only be active on one keypad at a time.

  - On entering the menu, if the telephone is ringing, the control panel immediately answers the telephone.

- The *Allow Answer* selection enables a network session to be established with **RPS Over Network** set to **No**. The secure RPS session window lasts for 60 sec and works for either the ITS-DX4020-G or DX4020 Communication Modules at SDI 88 or SDI 92.

- The *Allow Answer* selection enables a phone session to be established with **Answer Armed** or **Answer Disarmed** ring count set to **0**. The secure RPS session window lasts for 60 sec.

- Manually contact RPS Unattended Service using the network module at SDI Address 88 only. This requires Unattended RPS to be supported by your dealer or monitoring company.

- Manually contact attended RPS using the network module at SDI Address 88 only. This requires an RPS operator to be standing by.

- When initiating an RPS session over the phone, both the control panel and RPS must have the same baud rate set. The RPS phone modem speed is set in **Panel Wide Parameters → RPS Parameters → RPS Modem Speed**.

- Changes were made to the Contact RPS menu (COMMAND 43) on a D720 Keypad. When the command is started at the D720 keypad, the control panel performs the following operations in the indicated priority:

  1) If the telephone is ringing, the control panel answers the phone.

  2) If configured for network RPS, the control panel initiates an attended RPS session over the network.

  3) If configured for phone RPS, the control panel initiates an attended RPS session over phone at the configured baud rate.

  4) If configured for network RPS and **RPS Over Network** is set to **No**, the secure RPS session window opens. The secure RPS session window is fixed at 60 sec.

  5) If none of the previous applies, the control panel answers the telephone on the first ring for the next 60 sec.

2.1.4 Miscellaneous Enhancements and Changes

- Changes were made to upgrade the configuration parameters used by GV3 v8.04 and older to be compatible with v8.11. All new parameters are set to their default values during the upgrade process. The event log is converted to the new format. Upon upgrade to v8.11, all areas are disarmed, all point bypasses are removed, and the time/date is defaulted.

- GV3 Series control panels with v8.11 firmware do not support functions such as control panel programming using the D5200 Programmer, or automation integration with ReadykeyPRO and other third party applications.

  To provide backward compatibility, Bosch provides a special v8.04 firmware version that can be installed onto a control panel using a ROM key. Contact Bosch Customer Service (800-289-0096) and order part number **GV3-8.04-KEY**. Systems revised to v8.04 will not include feature updates such as additional areas or 16 supervised keypads.

- Changes were made to add a separate **Call For Service Text** prompt from the user text for the last user. The call for service text for the D1260 Keypads is no longer stored in the user name text for the last user.

- Changes were made to simplify the AC Fail report configuration by removing the special operations based on the values of the **AC Fail Time** prompt.

  - To preserve UL requirements, a new prompt selects when to send a redundant AC Fail report every 6 or 12 hours.

  - The AC Fail time prompt is now in units of minutes and seconds.

- Changes were made to simplify the configuration of the **Route Group Primary** and **Route Group Backup** for phone and network destinations.

- Changes were made to allow each phone reporting route to select between **Contact ID** and **Modem IIIa[2]**.

- Changes were made to remove numeric pager as an option for phone reporting routes.

- Changes were made to add a Daylight Saving Time feature for the North American calendar.

  - When **Daylight Saving Time** is set to **Yes**, do not use Sked Function 13 or 14 to adjust the control panel time by one hour.

- Enhancements were made to the **View Log** menu to improve the readability of all control panel events. Further enhancements include a 4-digit year in the event time stamp.

- Corrections were made to allow **R# Send User Text** to send the User Name Text to the central station when reporting in Modem IIIa2 for the following events: **Burglar Alarm**, **Recent Closing Alarm**, and **Exit Error Alarm**.

- Corrections were made to the **R# Send User Text** and **R# Send Point Text** features to control the addition of the indicated text when sending to the Central Station over network. Events sent over network are always in Modem IIIa2 format.

- Several corrections and changes were made to the Open, Close, and User Group Window features:

  - If the area(s) associated with a window are disarmed at the Open Window End Time, the window is cancelled. A subsequent arm then disarm does not generate an Opening Late report.

  - If a Fail to Open report is sent at the Open Window End Time, the window is cancelled. A subsequent disarm sends an Opening report, not a Late to Open report.

  - If the control panel is configured to not send a Fail to Open report and areas assigned to a window are armed at the Open Window End time, the first time the area is disarmed on the same day causes the control panel to send an Opening Late report. At that time, the window is cancelled. A subsequent arm then disarm generates a normal Opening report.

  - If the area(s) associated with a window are armed at the Close Window End time, the window is cancelled. A subsequent disarm then arm does not generate a Closing Late report.

  - If a Fail to Close report is sent at the Close Window End time, the window is cancelled. A subsequent arming sends a Closing report, not a Late to Close report.

- If the Early Begin Time, Window Start Time, and Window End Time are all the same time, the window sked does not run and no report is generated.

- If the control panel is configured to not send a Fail to Close report and areas assigned to a window are disarmed at the Close Window End time, the control panel sends a Closing Late report the first time the area is armed on the same day. At that time, the window is cancelled. A subsequent disarm then arm generates a normal Closing report.

- Corrections were made to allow a Force Close report to be sent when force arming an area where the faulted point is configured for **Local Events Only**. This requires the arming user to have Force Arm and Area O/C authority.

- Corrections were made to allow the **A# ACCOUNT IS ON** text to be disabled when configured as blank spaces in RPS.

- Corrections were made to allow the idle text to scroll on the D1260 and D1260B keypads when the manual alarm produce by COMMAND 9 is active. Previously, this alarm locked the display and did not allow other conditions to scroll while the bell was active.

- If RPS is used in unattended mode over the phone, leave **RPS Modem Speed** at its default of 1200 baud. Other baud rates are not currently supported by RPS v5.13 and later.

2.2 Version 8.04

- Changes were made to allow the downgrade of a GV3 Series control panel running v8.11 or later to v8.04. This revision is fully compatible with all features of the GV3 series control panel firmware v8.03, allows automation integration with ReadykeyPRO and other third party applications, and allows the continued use of the D5200 Programmer. Upon downgrade from v8.11 or newer to v8.04, all areas are disarmed, all point bypasses are removed, the time/date is defaulted, the event log is defaulted, and the Anti-Replay feature is defaulted.

> When downgrading from v8.11 or later to v8.04, all configuration information is defaulted. However, the datalock code is preserved.

- Corrections were made to the Contact ID communication format to allow support for alphanumeric account numbers.

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- Corrections were made to prevent a reboot report from being sent remotely when the Reset Switch (S1) is closed.

- Corrections were made on the D9412GV3 and D7412GV3 to allow properly authorized users to restart Exit Delay when they are granted access by a door controller (D9210B) installed in an armed shared area.

- Corrections were made to prevent a custom function from executing itself redundantly.

2.3 Version 8.03

> ☑ Do not downgrade a GV3 Series control panel running v8.11 to v8.03 or earlier.

- Corrections were made to prevent the loss of the D1260 Area Name text after rebooting the D7412GV3 and D7212GV3 Control Panels.

- Corrections were made to the Area Scope Limits for the Add/Change User menu (Command 56) on the D7212GV3 Control Panel.

- Corrections were made to the manual alarm (CMD 7 and CMD 9) displays on the D1255 keypad for the D7412GV3 and D7212GV3 Control Panels.

2.4 Version 8.02

The GV2 Series Control Panels cannot be upgraded with GV3 v8.02 firmware. The following corrections and changes were made in the GV3 only:

- Changes were made to the Annunciator Reset command to clear all alarms where the originating point has since returned to normal condition.

- Changes were made to the **A# Delay Res** feature. When set to Yes, Fire Alarm and Fire Supervisory restoration events will not be sent until the originating points normalize and a user performs an Annunciator Reset operation at a keypad.

- Changes were made to allow Fire Trouble point conditions to send a restoration event and clear the keypad display as soon as the originating point returns to normal.

- Corrections were made to give Fire Supervisory events priority over Fire Trouble events on the keypad display.

- Changes were made for simultaneous Fire Alarm and Fire Trouble conditions on the same point to allow two independent restoration events when the associated point returns to normal. Likewise, simultaneous Fire Supervisory and Fire Trouble conditions will send two restorations events upon point normalization. Previously, the GV2 would send a single restoration event for both pending fire conditions when the point returned to normal.

- Corrections were made to prevent RPS or automation software from attempting to individually disarm a shared area.

- Corrections were made to the Add/Change user command to show the current user authority level for each area.

- Corrections were made to the Add/Change user command to ensure the D9210B Door Controller will resume normal operation after adding or changing access credentials.

- Corrections were made to the D1260 and D1260B to prevent the Time/Date display from overriding arm state displays.

- Corrections were made to the custom functions to allow more than one passcode for consecutive control panel commands.

- Corrections were made to ensure **A# Area O/C** set to **No** keeps close reports and forced close reports to be local only.

- Communication Trouble events can be generated due to an enhanced communication path supervision failure, or when a route group switches to its backup route. Changes were made to the Communication Trouble event to always reference a non-existent route group (number 8) to prevent confusion between the two originating circumstances. Previously, the route group would be with reference to either the lowest number route group or the route group failing to reach its primary destination.

- Changes were made to prevent a Communication Trouble event due to an event failing to reach the central station after two or more attempts when the route group is not configured with a backup route.

- Changes were made to the event generated when the control panel fails to reach the central station via a primary route over the phone. Previously, the event was logged as a COMM FAIL on PH#; now it is logged as COMM TROUBLE on PH#. There is no user interface response to this condition.

- **Second Communication Module:** Enhanced communication paths have the option to be associated with either the original communication module at SDI address 88 or the second communication module at SDI address 92. Both SDI addresses support central station communication and RPS communication via Ethernet with use of the DX4020 or GPRS with use of the ITS-DX4020-G.

    - Due to the availability of a second communication device, the GV3 Series Control Panels allow multiple routes to report to the same central station receiver.

    - When sending events over the GPRS to the central station receiver, a slower supervision interval is often used to reduce the cost of data transferred per day. To prevent a loss in supervision, a feature was added that optimizes the route supervision by switching to the faster supervision interval when a path encounters a Communication Trouble condition. Refer to the prompt description for **GV2AUX>ROUTE GROUP RATES>RG# Faster Route** in the *D9412GV3/D7412GV3 Program Entry Guide* (P/N: F01U170807) or the *D7212GV3 Program Entry Guide* (P/N: F01U170808) for details.

> ☑ The Anti-replay/Anti-substitution feature needs to be resynchronized whenever an enhanced communication path's IP address or port number is changed in the control panel.

- **Phone Communication Format:** As an alternative to Bosch Modem IIIa[2] event reporting format, Contact ID format can be used. This communication format option only applies to events reported over the control panel's phone line to the central station receiver. This replaces the BFSK reporting format formerly found in the GV2 and G Series control panels.

3.0   v8.04/v8.11 Known Issues

- On the D1260 and D1260B Keypads, the Setup?> menu under the Service Menu (99 + ENTER), is currently unavailable. The default values for the Bright Dim mode are Bright = 10 and Dim = 3.

- On the D1260 and D1260B Keypads, when the Sensor Reset command (COMMAND 47) is executed, Call for Service appears erroneously on the display for a brief time. This effect also occurs when the control panel reboots.

- Change the Service Passcode (User ID 0) factory default value when the ANSI SIA CP-01 required Passcode Length parameter is 4 or greater.

- When using an ITS-DX4020-G as a GSM phone device, the central station phone number must have a dial pause (C) option as the first digit.

- Only one connection to RPS can be made. RPS will not notify you if you are already in a connection.

- When configuring a custom area scope for a keypad, always include the Area Assigned. Failure to do so results in inconsistent operation.

- When using the D1260 and D1260B keypads with v8.04 and earlier, an alarm generated by COMMAND 9 will not scroll to other burglar alarms. This effect occurs only when the COMMAND 9 alarm occurs before other burglar alarms in the same arm cycle.

- Bosch recommends that COMMAND 7 and COMMAND 9 be configured to not require a passcode. When an alarm is sounding, any passcode entry for any command will silence all alarms in all areas in which the user has authority.

- If a low-priority alarm is within its abort window and the alarm bell timer expires, the keypad annunciation will persist unexpectedly beyond the bell timeout. The keypad must be manually silenced with a valid passcode.

- If communication with RPS is lost before a session is properly disconnected, the control panel will refuse any new incoming network connections for a minimum of 3 min. This security measure can persist for longer than 3 min if you prematurely disconnect from RPS Unattended mode.

4.0   Upgrading to a GV3 Series Control Panel

Remote Programming Software (RPS) version 5.13 or newer is required to upgrade an existing G Series or GV2 Series Control Panel installation to a GV3 Series Control Panel. Refer to the RPS help files for the specific control panel for additional information on control panel conversion. In the RPS help file, select:

Panel Specific Information→Communicating with 9000 Series Panels→Upgrading a Panel Type

Hardware Enhancements

- The GV3 control panel's terminal blocks, SDI quick-connect terminal, accessory connector, and programmer's port are all fully compatible with all GV2 control panel peripherals.

- The GV3 control panel operates significantly faster than the GV2 control panels.

- All subsequent firmware upgrades for the GV3 control panel will be performed with a local flash upgrade key without the need of supplemental tools or the need to dispose of an EEPROM.

- The control panel has an SDI bus quick-connect terminal (Molex connector) next to the S1 reset switch. This connector provides an easy way to connect an SDI device to the SDI bus without disconnecting the wires on SDI Terminals 29 through 32. To order SDI wiring harnesses, use the following part numbers: Molex to Molex (P/N: C321) and Molex to terminal (P/N: PKWH).

> ☑ This SDI terminal **is not compatible** with the D5200 Programmer.

> ☑ The D5200 Programmer is not compatible with control panel firmware v8.11 and later.

- Two new posts next to the on-board telephone jack allow easy connection of a butt set or telephone for troubleshooting purposes. The posts are labeled TIP and RING.

> ☑ The telephone line supervision time might be affected when a butt set or telephone is connected to the telephone terminal posts.

- On-board Relays B (Terminal 7, labeled Alt Alarm) and C (Terminal 8, labeled SW Aux) are now installed in the factory. No supplemental installation or purchase is necessary to prepare these terminals for use.

- The D928 line monitor senses trouble if voltage on the line falls to 5.0 to 7.0 VDC without a corresponding value of at least 13 mA of current.

- The GV3 Series Control Panels have integrated watchdog supervision. The D928 Dual Phone Line Switcher is no longer necessary for this purpose, but is still fully supported.

- When the Firmware Update Key is removed after upgrading is complete, the control panel automatically reboots and logs an event, *Watchdog Reset on SDI Device 32*.

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