BOSCH

Remote Programming Software LITE (RPS-LITE)

D5500CU-LITE

en   Release Notes

1   Introduction

Remote Programming Software (RPS) is an account management and control panel programming utility for Microsoft Windows operating systems. Operators can perform remote programming, account storage, remote control, and diagnostics for specific control panels.

1.1   About documentation

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1.2   Compatibility

RPS-LITE supports the following control panels:
–   B9512G/B8512G
–   B6512/B5512/B4512/B3512
–   D6412/D4412
–   D9112B1/D7212B1
–   D8112G2 and D8112E1
–   D9412GV4/D7412GV4/D7212GV4, D9412GV3/D7412GV3/D7212GV3, D9412GV2/
    D7412GV2/D7212GV2, D9412G/D7412G/D7212G, D9412/D7412/D7212, D9112
    To create an account for a D9412G control panel, use the *D9412default.dsf* file on the
    RPS-LITE DVD. To create an account for a D7412G control panel, use the
    D7212default.dsf file on the RPS-LITE DVD.

> **Notice!**
> **Your** RPS-LITE **installation may not include all control panels**
> When you install RPS-LITE, you select which control panels to include in your installation. The default is to include all control panels.

2   Installation notes

Installation folder name

Do not install RPS-LITE in a directory with a space in its name (for example, "Program Files").

3　　Version 6.15

RPS-LITE version 6.15 focuses on RPS software related improvements as an extension of the 6.14.200 release and continues to support the B9512G, B8512G, B6512, B5512, B4512, and B3512 control panel firmware version 3.15.

3.1　　What's new?

This section describes updated and new features in this software version.

3.1.1　　Faster firmware update procedures

The time required to perform a remote firmware update has been reduced for panels that are operating with firmware version 3.09 or higher.

3.1.2　　New RPS Service User created during RPS installation

The RPS installer will create and assign a new Windows user with limited permissions to start, stop and operate the RPS services. See the RPS Help and RPS Installation Manual for more information.

3.1.3　　RPS passcode tamper protection for failed panel connection attempts

Remote panel connections from RPS will be protected by the panels password tamper programming. Prior programming of **Passcode Security>Automation** is now labeled **Passcode Security>Network**. This protection applies to remote network and local USB connections.

3.1.4　　RPS cellular labels updated

Cellular SIM/EMEID labels were updated to reflect ICCID technology.

3.1.5　　MS Windows Server 2016 support

RPS has expanded the supported operating systems to include installation and operations on Windows Server 2016.

3.1.6　　Support for B532 Auxiliary Power Supply

RPS programming and B530 menu labels were updated to **B53x** to support the new B532 Auxiliary Power Supply.

3.1.7　　Expanded programming support for minimum TLS

RPS programming was updated to support the flexibility to secure panel TLS communications. A minimum version of TLS communications to support is now selectable. The default was changed to TLS v1.2.

3.1.8　　Bosch Security Manager (BSM) user invite support for batches of 20 users

BSM Invite and Delete user processes were expanded from batches of 10 users to batches of 20 users.

3.1.9   Expanded Panel List view

The RPS Panel List view has been enhanced to include 2 panel data elements from the current RPS **Operations>Open Panel Data - View** details. The **Last Connected** and **Last Received** date and time is now available for all RPS operators directly within the Panel List view (**Lists menu>Panels>Panel List overview**).

3.1.10   RPS System configuration quick help instruction

As part of the Bosch Installer Services Portal simplification and continued support for the global use of RPS, the USA Installer Services Portal URL hyperlink that was provided as part of the Quick Help text has been removed.

The link was found within RPS at **Config menu>System>Connectivity**: **Cloud** and **Cellular** tabs. New customers will now contact their regional Bosch support to set up new services or to get existing service account details.

RPS operations and communications with Bosch services and panels continue to remain as-is with no changes and no action required to maintain existing operations. The Quick Help instruction text has been updated and the shortcut URL hyperlink has been removed.

3.1.11   B Series and G Series control panels

This version of RPS-LITE continues to support the B9512G/B8512G/B6512/B5512/B4512/B3512 control panel firmware. To obtain the latest firmware for the B9512G/B8512G/B6512/B5512/B4512/B3512 control panels, go to us.boschsecurity.com.

Upgrading B5512/B4512/B3512 control panel accounts from version 2.xx to version 3.14
To upgrade the control panel firmware, refer to the section *Update a B Series v2.xx control panel to a B Series v3.xx, page 20*.
The B6512 control panel was introduced at firmware version 3.03.

3.2   Corrected issues

This section describes issues corrected in this version of RPS.

3.2.1   Group Enable and Disable Time not set to default for several User Group Windows after conversion from B6512 to B9512G panel

After converting a B6512 panel to a B9512G panel, the **User Group Windows>Group Enable Time** and **Group Disable Time** parameters were set to 00:00 for Window 9, Window 10 and Window 11 instead of the default, which is Disable.
This is now fixed in RPS v6.15.

3.2.2   Password error for IP cameras (G Series panels)

On G Series panels, the Live (video) (**Password Panel Wide Parameters>Live (video)**) or Service password (**Panel Specific Information>Online operations>Import IP Cameras**) was not being saved correctly and caused errors.
This is now fixed in RPS v6.15.

3.2.3   Diagnostic icon not shown in tool bar when security level of operator for Diagnostic Door is less than other diagnostic security levels

The diagnostics icon was not visible in the RPS tool bar when the logged in operator security level for Diagnostics Advanced, Area Arming, Area Disarming and Basic is equal to or greater than the Diagnostics Door security level.
This is now fixed in RPS v6.15.

3.3   Known issues

This section describes known issues in this version of RPS.

3.3.1   RPS Unattended Service may stop if Reset service cache overlaps an Unattended Time Window

For customers that use the option to **Reset service cache** (**Unattended menu>Unattended menu selections>Start up**) for the MS Windows RPS service (RPSService), the time set should be outside of any Unattended Time Window.

If the RPSService is set to **Reset service cache** at a time of day that is within an existing Time Window, the RPSService may not operate as expected.

3.3.2   When upgrading a large RPS database from 6.10.001 SQL 2012 to SQL 2017, panel migration might be unsuccessful

During an RPS upgrade from SQL Express 2012 to SQL Express 2017, some large database migrations of 45,000 records have encountered failures.

In this scenario, the RPS installation will complete successfully, the existing RPS database remain complete and be successfully backed up as part of the RPS installation process. However, the automated database migration that the RPS installer performs may fail due to a SQL sa user login failure.

Recommendation

If the login failure occurs, use the **Config menu>System>Work Station Specific>Database Settings** option within the newly upgraded RPS and SQL to create a new RPS SQL database. Then, use the **Migrate Existing Database** option to manually migrate your data to the newly upgraded RPS.

3.3.3   RPS Unattended Configuration details for an existing panel account are removed after import

If a panel account that is imported into RPS already exists in RPS with Unattended Configuration details, the newly imported panel account will become the panel account used for Unattended Operations.

During the import process, any Unattended Configuration details for the same existing panel account are removed to avoid Unattended Operation conflicts.

3.3.4   Panel custom text format set to Enhanced after firmware update to version 3.15 or higher

After a panel firmware update to v3.15 or higher, customers might notice that the Panel Custom Text Format (**Panel Side > Miscellaneous**) is set to Enhanced to support enhanced characters for descriptive text (Area Names Text, Keypad Name, etc.).

Solution

To resolve any panel and RPS differences after the firmware update is complete, use **Receive & Overwrite RPS** to receive the panel programming to update and overwrite RPS. Note that any future language changes will change the Custom Text Format as expected.

3.3.5   Output Source configuration is empty

When an unsupported power supply configuration is received from a v3.15 firmware panel, previous versions of RPS will show an empty or blank Output Source configuration.

Solution

RPS version 6.15 and higher versions support the B532 power supply.

3.3.6 | B Series panels with firmware v2.x do not support B444-A/V on plug-in onboard

The B444-A/V cellular module (plug-in onboard) is not supported by the B Series panels running v2.x firmware.

3.3.7 | GV4 panels with firmware v2.x do not support B444-A/V on plug-in onboard

The B444-A/V cellular module (plug-in onboard) is not supported by GV4 panels running v2.x firmware.

These panels will show the Module Type as Unknown when a B444-A/V cell module is connected to the B450 module on an SDI2 address.

3.3.8 | Cellular connection VPN fails when RPS is running in Windows Server 2019 or Windows Server 2022

When RPS is running in Windows Server 2019 or in Windows Server 2022, attempted panel connections via cellular will fail with this error:

Unable to check/create the VPN setup in your workstation PC.

Recommendations

– When installing and operating RPS on a Windows Server 2019 or 2022, install RPS and the RPS database so that the database is shared with the other remote RPS installations.

– For panel connections using cellular, open and use a remote non-Windows 2019 or 2022 RPS installation that is connected to the Windows Server 2019 or 2022 RPS database.

– Use RPS WebConnect_Cell (**Panel Specific Information>Connecting to the control panel>Connect via: WebConnect_Cell**) to securely connect to your panel cellular interface.

3.3.9 | Setting a configuration parameter is not enabled when UTF-8 Chinese characters are typed from the keypad

For Chinese UTF-8, directly typing a custom text configuration without opening the field shows as ? and the parameter is not accepted.

Workaround

Open the configuration parameter by double-clicking or pressing **enter** and then type the desired Chinese UTF-8 characters.

3.3.10 | Manage Bosch Security Manager Users screen does not show all panels with BSM (Bosch Security Manager) access

When you access the Manage Bosch Security Manager Users screen from the RPS panel list, all panels with BSM access are not shown.

The workaround is to invite yourself to the panel(s) using the same e-mail account you use to log into RPS.

After the invite is successful, panel(s) will show in your list.

3.3.11 | Turn off anti-virus software before installation of RPS

Turn off any anti-virus software to prevent possible file corruption during the installation.

The anti-virus software might block and corrupt the installation files, which could result in an Unhandled Exception Error when running RPS.

3.3.12   Certificate error prevents RPS from connecting to Installer Services

This error happens when the RPS certificate check fails for the Bosch Installer Services certificate. The certificate check occurs when:

– logging in to RPS
– selecting the Manage Installer Services link inside Panel Data View
– selecting the Installer Services Portal status link in the upper RPS Panel list view to connect with the Installer Services Portal
– opening Account Assistant

Recommendations

– make sure the local Windows OS has the latest certificates updated (applied using the Windows Update process)
– manually test if the error is related to the Bosch UserID login certificate process. Use a desktop browser to open a Bosch UserID login URL. Accept certificate warning and add the certificate to the machine.
   (https://identity-myprofile.bosch.com/ids/login)
– manually test if the error is related to the Installer Services Portal certificate process. Use a desktop browser to open the Installer Services Portal website. Accept the certificate warning and add the certificate to the machine.
   (https://rb-s-st-serviceportal.bosch.com/us/)

3.3.13   Required SSL and TLS versions for Cloud connection

For RPS to remotely connect to a control panel using Cloud (Remote Connect), SSL version 3.0 and TLS version 1.2 must be enabled on the computer running RPS.

3.3.14   TLS 1.2 enabled for connection to panel and Bosch Installer Services

When the TLS only protocol is selected, the PC where RPS is installed requires TLS1.2 to be enabled.

3.3.15   RPS may fail to connect with service and database client if unsupported version of TLS is installed

RPS supports TLS 1.0, TLS 1.1 and TLS 1.2.

RPS does not configure security protocol (SSL/TLS) settings. Connection is done using the protocol settings on the RPS client computer and the database or service server. If the TLS settings are not the supported TLS version, then RPS may fail to connect with service and database client.

3.3.16   Keypads Area(s) in Scope set to All do not include the additional available areas after converting to a G Series panel

After converting a B Series panel to a G Series panel, any Keypads with Areas in Scope set to **All** will not automatically include the additional areas made available by using a G Series panel.

Recommendation

After converting to a G Series panel, open **Keypads > Keypad Assignments > Area(s) in Scope** to make sure the desired areas are assigned by reselecting **All** or any individual areas.

3.3.17   AMS stops working after installation of RPS

In some cases, AMS might stop working after RPS is installed on the same PC. There are 2 ways to resolve this issue:

1. Share the RPS database during the RPS installation. Without the **Share** checkbox option selected, the RPS installation will disable the SQL browser service.
2. Manually start the SQL browser service after installing RPS.

3.3.18 GV and G Series firmware or programming updates may encounter issues if B Series panels not installed

If unknown programming or firmware issues occur for GV or G Series panels and B Series panels were not installed, Bosch recommends that you re-install or modify your RPS installation using the Microsoft Windows Control Panel.

During the Install Wizard option to Select Features to install, select the checkboxes to include Core RPS Application Files for all panel models or at a minimum, also include the B6512/B5512/B4512/B3512 if limited selections are preferred.

3.3.19 RPS and RPS LITE may receive checksum or data corruption error during GV4 panel activities

For RPS and RPS LITE operators encountering a checksum or data corruption messages while interacting with GV4 or G Series panels, Bosch recommends that you re-install or modify your RPS installation using the Microsoft Windows Control Panel.

During the Install Wizard option to Select Features to install, select the checkboxes to include Core RPS Application Files for all panel models or at a minimum, also include the B6512/B5512/B4512/B3512 if limited selections are preferred.

3.3.20 If the RPS firmware upgrade wizard is cancelled, RPS will not reset the panel in some situations

After a firmware update is successfully completed from RPS, then *Update Another Module Firmware* is selected and is not able to complete or is cancelled, RPS does not automatically reset the panel after disconnecting from RPS.

The module may show trouble or not work as expected. To restore proper module operation, reset the control panel by turning power for the panel OFF, then back ON. Alternatively, you can reconnect to the panel using RPS and check the *RESET PANEL* checkbox during the disconnect.

3.3.21 RPS migrations to SQL 2017 will not include some RPS System Configurations

When migrating an RPS (v6.03+) database from SQL 2012 to SQL 2017, some tailored RPS System Configurations will not be included and require re-entry. This applies to the following scenarios:

1. Performing an RPS upgrade that includes migrating to SQL 2017 as part of the RPS installer.
2. Using **Migrate from Existing Database** within an existing RPS and SQL 2017 installations.
   - Firmware Files will need to be re-imported as required.
   - Dealer Information will need to be re-entered. For RPS installations linked to the Installer Services Portal, the **Update from Installer Service** option can be used.
   - Non-default Activity Log event selections and record count will require re-entry.
   - Non-default Modem Reset String and initialization values will require re-entry.
   - Non-default Session Timeouts will require re-entry.
   - Non-default UOM/UON Reset String, Init String and COM Port values.
   - Network Protocol Details will be reset to UDP only.

3.3.22 Microsoft SQL 2017 migration during upgrade from RPS v6.00 through v6.05 to RPS v6.11 does not update new feature defaults

When migrating RPS to SQL 2017 as part of the RPS v6.11 upgrade from v6.00 through v6.05, customers should first delete the **Bosch** folder located in C:\Program Files (x86)\. If not deleted, RPS will successfully upgrade and migrate as planned; however, existing panel records will not be updated with default values for new RPS v6.11 features. These features include Passcode Security (User Configuration > Passcode Security > Automation or Keypad), IP Cameras (Panel Wide Parameters > IP Cameras), and Environmental Point Type properties (Water, High Temp, Low Temp).

3.3.23 Panel and RPS custom names using languages with extended characters

RPS custom text entered using a language with extended characters, for example Spanish, will not be formatted properly when shown to users unless the Panel Primary or Secondary Language is also set to a language that uses extended characters, such as Chinese, Greek and Polish.

3.3.24 RPS installer creates new Microsoft SQL instance during Express installation on FIPS enabled PCs

When installing RPS using Express installation on FIPS (Federal Information Processing Standards) enabled PCs, RPS will create a new Microsoft SQL database instance. The installation proceeds without selecting an existing SQL database instance.

Recommendation

To avoid this issue, use the Advanced installation option and select the existing SQL database instance to use.

3.3.25 RPS is unresponsive during See Data Differences processing in panel sync window on B Series panels

During the first attempt to synchronize a panel with firmware v3.11 or higher using RPS v6.10 or lower, the See Data Differences option will not return any results and RPS is unresponsive.

Recommendation

Update to RPS v6.11 or higher. If you cannot upgrade, you should cancel the See Data Differences request and choose to use either the **Receive & Overwrite RPS Data** or **Send & Overwrite Panel** option.

If you are unsure about overwriting any existing programming:

1. Cancel your panel synchronization and create a new, temporary RPS panel account to synchronize and receive the physical panel programming.
2. Use the RPS **Compare** option to determine programming differences.
3. Update your initial panel account record as needed.
4. Reconnect to your initial panel account.

3.3.26 Panel account does not display correctly

Double-clicking a cell width or column header in a panel account does not correctly display in Pivot or Classic view and shows an error message.

3.3.27 RPS error when trying to open in Microsoft Windows 8 (32 bit)

When Windows 8 is running without the latest Microsoft Visual C++ Redistributable, RPS will fail to open and provide a DLL dependency error.

Recommendation

Install the latest Windows updates using the standard Windows Update services or manually download and install the Microsoft Visual C++ 2015 Redistributable (x86) exe.

3.3.28   Dealer information is missing from the Bosch Security Manager app SMS message

If a dealer name or phone number is not set or is empty in RPS, the SMS message invite sent to a mobile user will not contain a Dealer Name or Phone number.

3.3.29   RPS may continue to show the B940 keypad as running the factory default firmware

The B940 keypad firmware can be successfully updated by following the local microSD update procedures. After updating, RPS may continue to show the factory default firmware of v1.00.

To see the specific keypad firmware version, view the local B940 keypad UI during the keypad boot up process.

3.3.30   B940W Slim Touch keypad feature support

The B940W Slim Touch keypad is a subset of the B942 keypad. Because of the keypad hardware differences, some RPS B94x Touch Screen Keypad programming features are not applicable for the B940W Slim Touch keypad:
- Proximity Reader
- Onboard Input and Outputs
- Presence Detector

3.3.31   B450 cellular help for GV4 control panels

Consult either the B Series (B5512/B4312/B3512) or B6512 Program Entry Guides for information on the B450 Cellular Module. The Program Entry Guides are available on the Bosch website in the B Series Control Panels product pages under Downloads > Literature > Installation manual.

3.3.32   Unauthorized error message when entering or refreshing a panel Cloud details

Installer Services operations, including Cloud status information, will not refresh if RPS is idle beyond the Installer Services timeout.

Users may receive an Unauthorized message or see outdated status information because RPS has been automatically logged out of Installer Services.

To resolve, reconnect RPS to Installer Services using the Installer Services disconnect and connect links available in RPS Panel list view.

3.3.33   Selected SQL Server Encoding/Collation is not supported by RPS

Users may encounter "The selected SQL Server Encoding/Collation is not supported by RPS" error when operating RPS connected to a SQL Server with a non-LATIN1 collation.

The Resolution is to re-install RPS using a SQL Server instance with LATIN1 encoding.

Use the RPS v6.06 or greater installer to install both RPS and SQL Server:
1. Back up RPS.
2. Uninstall RPS and current SQL Server.
3. Re-install RPS and SQL Server.
4. Use your backup to restore RPS.

Advanced users can use SQL management tools to ensure or modify the default server collation to a LATIN1 encoding:
1. Backup RPS.
2. Uninstall RPS.
3. Use SQL tools to set collation.
4. Re-install RPS to use the existing SQL Server.
5. Use your backup to restore RPS.

3.3.34 History event log cleared during firmware upgrade
RPS will prompt users that the history event log is cleared when upgrading panels to firmware v3.06 or greater. Users should perform the Get History function before:
– upgrading panel firmware from less than v3.06 to v3.06 or greater
– downgrading panel firmware from above v3.06 to less than v3.06

3.3.35 Installer Services users mapping
RPS backup and restore process will not restore Installer Services Bosch ID user mapping. Re-mapping will automatically occur for users during their next successful log in.

3.3.36 Cloud service status shows as not activated when logged in
For users that activate panels using the new Bosch Installer Services Portal, panel Cloud Service Status may display as Not Activated if the user logs in using their local RPS user ID. Panel operations can continue and Activation status will be restored once the user logs into RPS using their Installer Services Bosch ID.

3.3.37 RPS unattended service, China region
When the Windows system **Country or region** setting on the RPS workstation computer is set to China, RPS initiated Unattended Service does not work for B9512G, B8512G, B6512, B5512, B4512, and B3512 control panels. RPS fails to connect to these panels during unattended sessions.

3.3.38 Installation and general operation
– Windows 7 without SP (service pack) **-** If you attempt to install RPS on a computer running Windows 7 without the service pack (SP) installed, a pop-up window shows "RPS Installation is not supported for the OS and Setup will terminate". The installation process stops.
– Raymar HXII-USB Modem **-** RPS-LITE will not reliably connect to B9512G, B8512G, B6512, B5512, B4512, or B3512 control panels using the Raymar HXII-USB (IGM-USBV92) modem.
– User passcode security - When setting security (view/edit) levels in control panel accounts for User Passcodes, set the level to the same level as the System Configuration / Work Station Specific / Security / Mask User Passcode level. If you set the View/Edit level for User Passcodes higher than the Mask User Passcode, it is possible for a user with a level below the View/Edit level to view user passcodes through panel reports.
– Microsoft SQL Express 2012 fails to install - If SQL Server is not already installed on the system, Microsoft SQL Express 2012 might fail to install. This results in a termination of the RPS-LITE installation. To resolve this issue, reboot the system, then rerun the RPS-LITE installation.

– Language Settings for Windows Users Without Admin Rights - If an RPS operator who does not have admin rights on the RPS-LITE computer changes the default language setting (for example, from English to Spanish), the change is not preserved when RPS-LITE is closed and restarted. The setting reverts to the default language.
– Changing the Computer's Regional Settings Affects Date Displays - If you change your RPS-LITE computer's regional settings, some date displays might not appear correctly in RPS-LITE.
– Extended Desktop Monitor Configuration - When using an extended desktop monitor configuration, some of the dialog boxes and windows do not retain their last used location. If you change from extended desktop to single monitor, some windows attempt to open on the extended monitor.
– Invalid Messages - Some modems can cause RPS-LITE to generate an invalid RPS-LITE passcode message as a result of a busy phone line. Calling an invalid control panel type (for example, a D7024 account calling a D6412 control panel) does not always cause RPS-LITE to generate an Invalid Panel Type error message. An Invalid RPS Passcode message might appear instead.

3.3.39   "Not a valid xml file" error message is displayed when user Restores from a backup made with no panel or template accounts
Before you do a backup or restore of RPS system configurations, at least 1 panel record must exist. Make sure that you create a panel before attempting the backup/restore process.

3.3.40   RPS printing
– Reports for B9512G/B8512G, B Series, GV4, and GV3 control panels are missing the firmware revision for connected SDI2 modules. To see the firmware revision for these modules, connect to the panel with RPS and use diagnostics.
– Printing Program Record Sheet (PRS) – RPS-LITE might add extra blank pages when printing the PRS to the .rtf file format. Some PRS reports printed in .pdf or .rtf format might show unaligned data.
– Printing multiple reports – When printing multiple control panel reports, RPS-LITE sends only the first report to the selected printer (other than the default printer). It sends the remaining reports in the request to the default printer.
– Resizing Saved Exported Reports – To print a saved exported file correctly, some manual resizing might be required for the selected printer.

3.3.41   B9512G, B8512G control panels
– B4512 to B9512G account upgrade - When upgrading a B4512 v2.xx account to a v3.xx account and then to a B9512G account, the configuration for outputs 37 and 38 is not retained. Those parameters return to their default values in the B9512G account.

3.3.42   B6512, B5512, B4512, B3512 control panels
– Connect via IP Direct, network connection failure for IPv6 Mode - When connecting via IP Direct and IPv6 Mode is set to Yes for either the Onboard Ethernet Communicator or SDI2 Module / IP Communicator, RPS is unable to successfully connect to a B6512, B5512, B4512, or B3512 control panel.

- Reporting Delay for Single Tower - This parameter allows a B5512, B4512, or B3512 control panel to indicate if there is only one tower available for communication if the event has been present for the specified duration. Leave this parameter at the default setting (0 Disabled) unless otherwise instructed by a Bosch Security Systems, Inc. representative.
- B4512 to B9512G account upgrade - When upgrading a B4512 v2.xx account to a v3.xx account, and then to a B9512G account, the configuration for outputs 37 and 38 is not retained. Those parameters return to their default values in the B9512G account.

### 3.3.43	D9412GV4, D7412GV4, D7212GV4 control panels

- GV4 v2.03 – RPS-LITE diagnostics for the B450 Conettix Plug-in Communicator Interface are only available when the module is set to address 1. When the module is set to address 2, the B450 Conettix Plug-in Communicator Interface is fully functional, however, RPS-LITE diagnostics are not available.
- GV4 v1.x – RF diagnostics signal strength for GV4 v1.x shows 0's when connected via modem. There are no known issues with IP connections.

### 3.3.44	D9412GV3, D7412GV3, D7212GV3 D9412GV2, D7412GV2, D7212GV2 control panels

- GV3 Series v8.10 or greater and Hayes or Securcomm Modem Baud Rate Settings – If you set the baud rate in the control panel and in the RPS-LITE Panel Communication Window to 2400 and you receive either an Invalid RPS Passcode or Retry count exceeded message, reset the baud rate to 1200 in both RPS-LITE and the control panel.
- Online Diagnostics Area Tab (D7212GV2/GV3 only) – The Diagnostics Area Tab for the D7212GV2 and GV3 accounts displays eight areas. The D7212GV2/GV3 control panels only support four areas.
- Master Armed Instant Status (Area Tab) – RPS-LITE only displays the current status for Master Armed Instant in the Area tab. RPS-LITE cannot send this command to the control panel.
- Ground Fault Restoral Event – RPS-LITE does not show this event as a Ground Fault Restoral event in the History List details. In the Events column, RPS-LITE shows "Restoral Report." In the Details column, RPS-LITE shows "Area 1 Point N/A."
- Routing Selections do not Match Diagnostic Reports Selections – To enable all Diagnostic Reports or disable Diagnostic Reports for Route Groups 1 through 4, select Yes or No for that category from PANEL-WIDE PARAMETERS > Routing. The only time you should select specific reports from PANEL-WIDE PARAMETERS > Routing > Diagnostic Reports is when you want to enable some diagnostic reports but not all. All Diagnostic Reports selections made from that location appear as "Custom" in the corresponding Route Group.
- Invalid Relay Parameter Entries in Upgraded Accounts (D7212GV2 only) – An upgraded D7212GV2 account might contain invalid entries if the original D7212 or D7212G account contained a value between 25 and 64 in any of the relay parameters. The valid range for D7212GV2 relay parameters is 0 to 24, except for the Silent Alarm relay parameter. This parameter also allows additional entries of 60, 63, and 64 as alternate functions.
- Panel Sync Window Appears When Control Panel and RPS are Synchronized (GV2 only) - The Panel Sync Window might appear even if the control panel account and RPS are synchronized.

–   RPS-LITE Override of Control Panel High Security Features – For high security applications, the control panel provides features such as Two-Man Rule and Early Ambush that require two valid passcode entries to disarm an area. Disarming an area through the RPS Diagnostic window overrides these high security features without alerting the RPS-LITE operator.

3.3.45   WebConnect for GV4/GV3 control panels

The help files for GV3 and GV4 control panels do not include content for the Bosch WebConnect_Cell connection method and operations.

Workaround

See the help information included in this section or see the help in the B Series or G Series control panel.

Panel help (Panel Specific Information>Connecting to the control panel)

Overview

WebConnect_Cell is a panel connection method that uses the local RPS network to connect to Bosch Installer Services, which establishes and manages the cellular connection to the Bosch panel.

Field/Button	Description
Connect Via [**WebConnect_Cell**]	Select the connection method RPS uses to connect to the control panel.
RPS Passcode	RPS shows asterisks (*) for the passcode from the Panel Wide Parameters > RPS Parameters > RPS Passcode parameter. If you enter a different RPS passcode for this connection, RPS does not save it.
Connect	Click this button to connect to the control panel.
Status	This field shows the status of the connection process.
Answer	The Answer button is not active for the WebConnect_Cell connection method.
Cancel (Abort)	Click Cancel to close the Panel Communication window. If you clicked Connect to start connection process, the Cancel button changes to the Abort button. Click Abort to end the connection process.

WebConnect_Cell dependencies

For RPS to use the WebConnect_Cell service, RPS requires the same configurations that are required for traditional cellular panel connections. This includes any panel cellular port or RPS network customizations.

To use WebConnect_Cell, make sure these dependencies are met:

1. RPS must be linked to your Installer Services Portal Company using your Installer Services Key that supports WebConnect.
2. RPS Panel Data-View configuration requires specific cellular device details.
3. RPS must be able to reach the Internet.
4. Each panel that is intended for WebConnect connectivity must be configured with a valid ICCID and port number.

RPS must be linked to your Installer Services Portal Company using your Installer Services Key that supports WebConnect
– To browse and get your Installer Services key from your Installer Services Portal Company, you must have access to the My Company page in the Installer Services Portal.

RPS Panel Data-View configuration requires specific Cellular device details
These Cellular details are:
– ICCID
– Cellular Port programmed at the panel. The default for the Port is 7700.
If you have customized your panel programming for a different Cellular port, you will need to update RPS with that panel cellular port.
Note that Cellular Secondary is not applicable for this operation.

RPS must be able to reach the Internet
If your network requires specific proxy details to reach the internet, you will need to update the RPS Proxy settings configuration here:
– RPS>Config>System>Connectivity tab>Web Proxy

General help (Config menu>System>Work station specific>Installer Services tab)
Once you are registered with Bosch Installer Services, Installer Services allows you to create a link to the Installer Services Portal and Bosch Services.

Installer Services Key
During the onboarding process for Installer Services, you will receive an Installer Services Company Key. Your Company Key is associated with your Bosch ID and Company ID.
To get your Installer Services Company Key using RPS:
1. On the Installer Services tab, select **Get Key** to open the Installer Services Portal to link you directly to your Installer Services Portal>My Company page.
2. Click Installer Services Key to access the Installer Services Portal and link directly to your Installer Services Portal>My Company page.
3. Click **Get** to retrieve and show the Key.
4. Click **Copy** to copy the Key.
5. In RPS, return to the Installer Services tab.
6. Use keyboard [CTRL+V] or mouse right-click>Paste to paste your full Key into the **Installer Services key** field. The Key creates a link between RPS and the Installer Services Portal.
7. Click **Apply** or **OK**.
8. Exit and then restart RPS.

4   Miscellaneous

Find information for creating and updating miscellaneous control panel accounts in the following sections.

4.1   Creating control panel accounts

B Series, GV4, GV3

The B Series, GV4, and GV3 control panels have two versions. When creating a new control panel account in RPS-LITE, be sure to select the correct firmware version on the **Panel Info** tab in the **Panel Data – New** window.
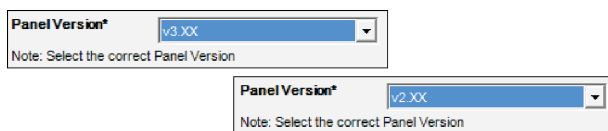

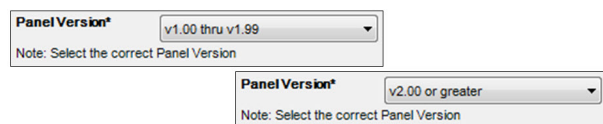**Figure 4.1:** B Series Panel version (v2.xx or v3.xx or greater)

Figure 4.2: GV4 Panel Version (v1.00 thru v1.99 or v2.00 or greater)
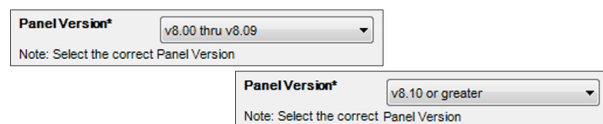
Figure 4.3: GV3 Panel Version (v8.00 thru v8.10 or greater)

D9124

Use the *D9124default.dsf* file on the RPS-LITE DVD to create a D9124 account.

D9412G, D7412G

To create an account in RPS-LITE for either a D9412G or D7412G control panel, use either the D9412 or D7412 control panel type.

D7212G

Use the *D7212G default.dsf* file on the RPS-LITE DVD to create a D7212G account.

D2412, D2812

To program a D2412 or D2812 control panel, use the D2212 control panel account.

4.2   Update a control panel to a G series

Updating an existing GV2, GV3, GV4 v1.xx, or GV4 v2.xx control panel account to a B9512G/B8512G account in RPS requires specific steps described in this section.

Notice!

Upgrading a GV4 to a B9512G/B8512G

When upgrading a GV4 control panel to a B9512G or B8512G control panel, keypad conflicts are possible if you use an SDI and an SDI2 keypad that share the same address. When keypad conflicts exist during the upgrade process, RPS notifies you of the conflicts and transfers only the SDI2 keypad configurations to the new account. The SDI keypads do not transfer during the upgrade. RPS lists the SDI keypads that did not transfer on a report that you can print. To add these keypads to the new account, you must set the SDI keypad to a different address. Modify the physical keypad address switch settings as well to keep this keypad in the system.

Notice!

At the time of this release, the B9512G and B8512G control panels, and RPS support only one cellular plug-in module. Possible configurations: 2 - B430 telephone modules, or 1- B430 telephone module and 1- B44x Cellular Plug-in module.

4.2.1 Control panel update considerations

When updating a GV4, GV3, or GV2 account to a B9512G/B8512G account in RPS:

–   SDI keypads and SDI2 keypads cannot use the same address. When converting an account, any SDI keypads with the same address as SDI2 keypads are not migrated. To resolve this, change the addresses on the keypads so that no two keypads share the same address. Then, update the Keypad Type within Keypad Assignments for each address. Prior to changing addresses and programming, develop an address scheme based upon the address numbers available for the SDI keypad types on the system.
–   When converting an account, configuration settings for communication devices not supported by the B9512G/B8512G do not transfer. Primary Destination Device and Backup Destination Device parameter settings show as No Device in the upgraded control panel (Panel Wide Parameters > Communicator).
–   RPS converts accounts for existing G Series control panels with ZONEX and POPEX devices to use the B600 and B299, respectively.
–   Custom function creation is enhanced. Custom functions from the previous account cannot be converted to new custom function in the account on an account upgrade.
–   Fire point has been removed as a Point Index parameter; it is now Point Type.
–   Some point types are no longer supported: D279 (O/C Non-Priority) and Easikey. When these point types are detected in a GV4 v1.00 update they are converted to Point Type = 24-Hour.

4.2.2 Update to the new control panel account type

Updating to a B9512G/B8512G account:

1.   In the Panel list window, highlight the control panel account, then right-click the account and select Panel Data View. The Panel Data - View window opens.
2.   Click Edit. Locate the Panel Type selection on the right side of the Data View window.
3.   From the Panel Type dropdown list, select the desired control panel type, and then click OK. When you upgrade a control panel to a B8512G or a B9512G, RPS makes an account copy automatically.
4.   Confirm the new, automatically changed configuration values match those needed for the control panel. Make any necessary changes.

For more information on necessary changes, refer to the control panel *Release Notes*.

4.2.3   Send updated programming to the control panel

1. Open the new control panel account you just created in the previous steps.
2. Click Connect. The Panel Communication dialog box appears.
3. Enter the current Panel Passcode into the RPS Passcode text box and click connect. The Panel Sync dialog box appears.
4. Select Send ALL Updated RPS Data to Panel and click OK. Note: Do not select Receive Panel Data.
5. When the Send ALL RPS data progress completes, you can exit from RPS.

(i)

Notice!

After system installation and any control panel programming, perform a complete system test (a UL 864 requirement). A complete system test includes testing the control panel, all devices, and communication destinations for proper operation.

4.3   Update a B Series v2.xx control panel to a B Series v3.xx

When upgrading an existing panel account from RPS v5.19 or greater to v6.08 or greater, the Panel Version drop-down shows the last connected panel version (example: 2.03.010). If the existing account never connected to a control panel, the Panel Version drop-down defaults to v2.xx.

When creating a new account, the Panel Version defaults to version v3.xx.

Option 1 (recommended)

Update the firmware from a v2.xx to a v3.xx. Refer to the section *Automatic upgrade, page 20*.

Option 2

Upgrade the firmware manually. Refer to *Manual upgrade, page 20*.

Note: This allows you to connect to a v3.xx control panel only.

4.3.1   Automatic upgrade

The Firmware wizard allows you to automatically connect to the control panel and upgrade the firmware.

If RPS detects that you are trying to upgrade a v2.xx control panel with v3.xx firmware, the following notice appears: "This panel will be converted to a v3.xx panel version. Would you like to proceed and automatically upgrade the panel account while the panel is upgrading its firmware?"

If you select No, RPS exits the Firmware Update Wizard.

Select Yes. RPS completes the following steps automatically:

1. Performs the firmware update.
2. Disconnects from the control panel.
3. Upgrades the control panel account to v3.xx.
4. Makes a backup of your existing v2.xx account.
5. Reconnects to the version 3.xx control panel with a fully upgraded account.
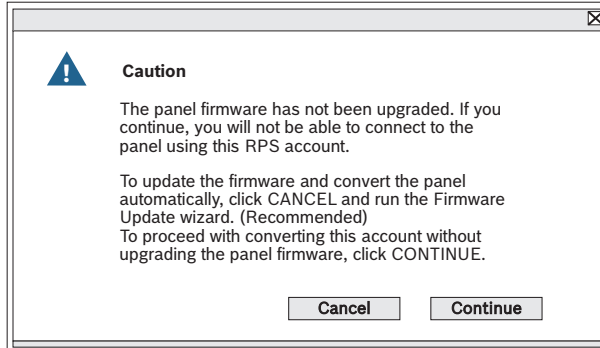
(i)

Notice!

As part of the upgrade process, the control panel resets to factory defaults. When RPS reconnects, identify and address configuration differences to ensure that when RPS sends data to the control panel, it results in the intended operation.
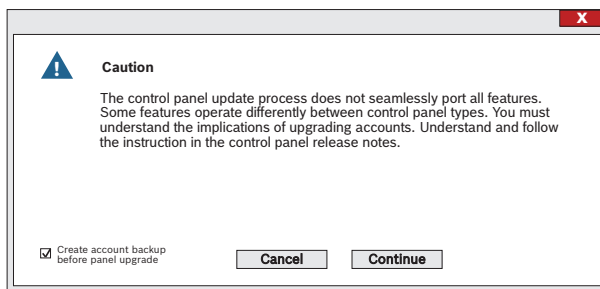
4.3.2   Manual upgrade

To manually upgrade the control panel to a v3.xx:

1. Open the panel view.
2. Click Edit, and use the Panel Version drop-down list to select a v3.xx account.
3. Select v3.xx from the Panel Version drop-down list. The following message appears:

┌───┐
│   ⊠   │
│ ⚠ **Caution**   │
│   │
│   The panel firmware has not been upgraded. If you │
│   continue, you will not be able to connect to the │
│   panel using this RPS account.   │
│   │
│   To update the firmware and convert the panel │
│   automatically, click CANCEL and run the Firmware │
│   Update wizard. (Recommended)   │
│   To proceed with converting this account without │
│   upgrading the panel firmware, click CONTINUE. │
│   │
│   [Cancel]   [Continue]   │
└───┘

4. If you select Continue, the following message appears:

┌───┐
│   [X] │
│ ⚠ **Caution**   │
│   The control panel update process does not seamlessly port all features. │
│   Some features operate differently between control panel types. You must │
│   understand the implications of upgrading accounts. Understand and follow │
│   the instruction in the control panel release notes. │
│   │
│ ☑ Create account backup   │
│   before panel upgrade   [Cancel] [Continue] │
└───┘

ⓘ   **Notice!**
    Leave the checkbox checked to create an account backup before the upgrade conversion.

RPS completes the conversion. You can now connect only to a v3.xx control panel.

4.4 Update a GV4 v1.xx control panel to a GV4 v2.xx

After you install the latest RPS-LITE version, create a copy of a control panel account, and then update the account.

4.4.1 Create a copy of the GV4 v1.xx control panel account

1. From the Panel List window, click New.
2. From the New Panel window, click the Existing tab.
3. From the list of existing accounts, select the v1.x control panel account you want to update to a v2.xx control panel, and click OK.
4. Fill in the required and desired fields to match the resulting updated account and click OK.

4.4.2 Convert the newly created GV4 v1.xx account

1. In the Panel list window, highlight the copy control panel account you created in the previous steps, and then right-click the account and select View. The Panel Data – View window opens.
2. Click Edit. Locate the Panel Type selection on the right side of the Data View window.

3.   From the Panel Type dropdown list, select the desired updated control panel account
      type [v2.00 or greater], and then click OK.
Confirm the new, automatically changed configuration values match those needed for the
control panel. Make any necessary changes.

4.4.3   Update the control panel firmware

To update a GV4 v1.xx control panel to a GV4 v2.xx control panel, you must update the
firmware on the control panel.

Importing the GV4 v2.xx firmware file:
1.   From the Main menu, select Config > System > Panel Specific. Click Firmware Files, and
      then click Import.
2.   Click the Select Firmware File browse button, and then browse to and select the
      firmware file to upload.
3.   Click Open and then Next. When the import finishes, click Finish.

Updating the control panel firmware:
1.   Open the original GV4 v1.xx control panel account and connect to the control panel
      using the Enhanced Direct, Network, IP Direct, or Cellular connection. Do not use a
      modem connection.
2.   Click the Firmware Update Wizard icon. The Firmware Update Wizard opens.
3.   Click Next, and then select the correct v2.xx firmware file. Click Next.
4.   Select the Acknowledge to Continue checkbox and click Next to begin the update.
      When the update finishes, the Disconnecting from the Control Panel message appears.
5.   Click Close. Wait approximately two minutes for the control panel to reboot.
6.   When the reboot is complete, close the control panel account.

4.4.4   Send updated programming to the control panel

1.   Open the new control panel account you just created in the previous steps.
2.   Click Connect. The Panel Communication dialog box appears.
3.   Enter the current Panel Passcode into the RPS Passcode text box and click connect.
      The Panel Sync dialog box appears.
4.   Select Send ALL Updated RPS Data to Panel and click OK. Note: Do not select Receive
      Panel Data.
5.   When the Send ALL RPS data progress completes, you can exit from RPS.

> **i**   **Notice!**
> After system installation and any control panel programming, perform a complete system
> test (a UL 864 requirement). A complete system test includes testing the control panel, all
> devices, and communication destinations for proper operation.

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