



# RPS

D5500CU



**BOSCH**

en Installation Guide



# Table of Contents

|          |  |           |
|----------|--|-----------|
| <b>1</b> | <b>Legal</b>   | <b>5</b>  |
| 1.1      | Trademarks   | 5         |
| 1.2      | Software License Agreement   | 5         |
| <b>2</b> | <b>Introduction</b>  | <b>8</b>  |
| 2.1      | Release Notes  | 8         |
| 2.2      | RPS Minimum System Requirements  | 8         |
| 2.3      | Minimum System Requirements for SQL Express Only                           | 9         |
| 2.4      | RPS and SQL Express on the Same PC Minimum Requirements                    | 10        |
| 2.5      | Minimum System Requirements for RPS and SQL Express on a PC with Vista     | 10        |
| 2.6      | Minimum System Requirements for RPS and SQL Express on a PC with Windows 7 | 11        |
| <b>3</b> | <b>Install RPS</b>   | <b>12</b> |
| 3.1      | Overview   | 12        |
| 3.2      | Install RPS with a Local SQL Database                                      | 12        |
| 3.2.1    | View the RPS Documentation and Start the Installation Process              | 12        |
| 3.2.2    | Prepare the Installation of the SQL Database and RPS                       | 14        |
| 3.2.3    | Install the SQL Database and RPS   | 16        |
| 3.3      | Install RPS with a Network SQL Database                                    | 20        |
| 3.3.1    | View the RPS Documentation and Start the Installation Process              | 20        |
| 3.3.2    | Prepare the Installation of the SQL Database and RPS                       | 21        |
| 3.3.3    | Install the SQL Database and RPS   | 23        |
| 3.4      | Use an Existing SQL Instance   | 27        |
| 3.5      | Create a New SQL Instance  | 29        |
| 3.6      | Automatic Installation of RPS  | 30        |
| 3.6.1    | Overview   | 30        |
| 3.6.2    | Generate the RPSInstallation.ini File                                      | 30        |
| 3.6.3    | Use the RPSInstallation.ini File   | 31        |
| 3.6.4    | Customize the RPSInstallation.ini File                                     | 31        |
| 3.7      | View the Installation Log File   | 32        |
| 3.8      | Known Issues   | 32        |
| 3.8.1    | Installing RPS from a Network Drive  | 32        |
| 3.8.2    | Directory Installation   | 32        |
| 3.8.3    | Unattended Operation   | 32        |
| 3.8.4    | User Account Control (UAC) on Windows Vista                                | 32        |
| <b>4</b> | <b>Upgrade RPS</b>   | <b>33</b> |
| 4.1      | Upgrade RPS with a SQL Database  | 33        |
| 4.1.1    | Before You Upgrade RPS   | 33        |
| 4.1.2    | View the RPS Documentation and Start the Installation Process              | 34        |
| 4.1.3    | Upgrade RPS  | 34        |
| 4.2      | Upgrade RPS with a Microsoft Access Database                               | 39        |
| 4.2.1    | Before You Upgrade RPS   | 39        |
| 4.2.2    | View the RPS Documentation and Start the Installation Process              | 39        |
| 4.2.3    | Prepare the Upgrade for a Local SQL Database                               | 40        |
| 4.2.4    | Prepare the Upgrade for a Network SQL Database                             | 41        |

|          |  |           |
|----------|--|-----------|
| 4.2.5    | Upgrade RPS  | 43        |
| 4.3      | Share the SQL Database                                 | 46        |
| 4.4      | Integrate the RPS Database Files into the SQL Database | 47        |
| 4.4.1    | Automatic Integration                                  | 47        |
| 4.4.2    | Manual Integration                                     | 47        |
| 4.4.3    | Upgrade from RPS 5.11 or Lower                         | 48        |
| 4.4.4    | Create a New Database                                  | 48        |
| 4.4.5    | Conversion Log File                                    | 48        |
| <b>5</b> | <b>Log into RPS</b>                                    | <b>49</b> |
| 5.1      | First Time Log-In                                      | 49        |
| 5.2      | Change the Password                                    | 50        |
| <b>6</b> | <b>Maintenance</b>                                     | <b>51</b> |
| 6.1      | Set Security Levels by Panel Type for Networked Users  | 51        |
| 6.2      | Modify, Repair, or Remove RPS                          | 52        |
| 6.2.1    | Modify RPS   | 52        |
| 6.2.2    | Repair RPS   | 53        |
| 6.2.3    | Known Issues   | 53        |
| 6.2.4    | Remove RPS   | 54        |
| 6.3      | Revert to Previous RPS Installation After SQL Upgrade  | 55        |
| 6.3.1    | Revert to a Previous SQL Database                      | 55        |
| 6.3.2    | Revert to a Microsoft Access Database                  | 60        |
| 6.4      | Recover Old Database Files                             | 61        |
| 6.5      | Switch from a Client to a Network Installation         | 62        |
| 6.6      | Back Up the SQL or SQL Express Database                | 64        |
| 6.7      | Install SQL Server Management Studio Express           | 65        |
| <b>7</b> | <b>RPS Operation and Control Panel Account Notes</b>   | <b>70</b> |
| 7.1      | RPS Notes  | 70        |
| 7.1.1    | Installation and Administration                        | 70        |
| 7.1.2    | General Operation                                      | 70        |
| 7.1.3    | Modems   | 70        |
| 7.2      | Control Panel Account Notes                            | 71        |
| 7.2.1    | 2000 Series  | 71        |
| 7.2.2    | D6412/D4412 and DS7240/DS7220                          | 71        |
| 7.2.3    | D7024 and DS9400                                       | 72        |
| 7.2.4    | D8112  | 72        |
| 7.2.5    | D9112B1, D7212B1                                       | 72        |
| 7.2.6    | DS7400XIV4-EXP   | 73        |
|          | <b>Index</b>   | <b>74</b> |

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## 2 Introduction

RPS (Remote Programming Software) is a Windows®-based account management and control panel programming utility designed to remotely set up and program specific control panels.

### 2.1 Release Notes

The *Release Notes* provide additional information about RPS that became available after the printing of this manual. Review these notes before using RPS. The *Release Notes* also list control panels that are compatible with RPS.

### 2.2 RPS Minimum System Requirements

|                          |  |
|--------------------------|--|
| <b>Processor:</b>        | Pentium III, 800 MHz or faster   |
| <b>Operating System:</b> | <ul style="list-style-type: none"> <li>– Windows 2003 Server</li> <li>– Windows XP Professional with SP2</li> <li>– Windows XP Home Edition<sup>1</sup></li> <li>– Windows Vista (all editions)<sup>1, 2</sup></li> <li>– Windows 7 (all editions)</li> </ul> <p><sup>1</sup> Windows XP Home and Windows Vista Home editions do not support the RPS Unattended feature.</p> <p><sup>2</sup> The minimum system requirements are different for all versions of Microsoft Vista. Refer to <i>Section 2.5 Minimum System Requirements for RPS and SQL Express on a PC with Vista, page 10</i>.</p> |
| <b>RAM:</b>              | <ul style="list-style-type: none"> <li>– <b>Minimum:</b> 128 MB (limited overall performance of RPS)</li> <li>– <b>Recommended:</b> 256 MB or higher</li> </ul>  |
| <b>Hard Drive Space:</b> | Approximately 250 MB for RPS installation. Accounts and history require additional hard drive space.   |
| <b>Video:</b>            | VGA monitor capable of supporting 1024 x 768 resolution. RPS supports 24-bit color palettes and lower. For Windows XP, change the font settings to <b>Normal Fonts</b> .   |
| <b>Database Support:</b> | Microsoft SQL Server 2005, 2008  |
| <b>Modems:</b>           | The online help file for each control panel lists compatible modems that were tested with RPS. The administrator can also configure and use most major brands and types of modems with RPS. Refer to <i>Modem Specifications</i> in the RPS Help file for more information.  |
| <b>Ports:</b>            | One serial port for modem communication. One USB port for security block (dongle). If you have an available USB port and your installation requires a security block, you can use either the USB or parallel port security block.  |



#### NOTICE!

Microsoft Operating System Support: As of July 13, 2010, Microsoft stopped supporting Windows 2000. As a result, Bosch Security Systems, Inc. will no longer support the operation of RPS 5.13 or later on a Windows 2000 operating system.



## 2.3 Minimum System Requirements for SQL Express Only

|                          |   |
|--------------------------|---|
| <b>Processor:</b>        | Pentium III Compatible or higher<br>– <b>Minimum:</b> 500 MHz<br>– <b>Recommended:</b> 1 GHz or higher  |
| <b>Operating System:</b> | – Microsoft® Windows 7<br>SQL Server Express SP3 is required for Windows 7, which is provided on the RPS CD-ROM.<br>– Microsoft Windows Vista™<br>– Microsoft Windows Vista Home Premium<br>– Microsoft Windows Vista Home Basic<br>– Microsoft Windows Vista Business<br>– Microsoft Windows Vista Enterprise<br>– Microsoft Windows 2003 Server with Service Pack 1<br>– Microsoft Windows 2003 Server Enterprise Edition with Service Pack 1<br>– Microsoft Windows 2003 Server Premium Edition with Service Pack 1<br>– Microsoft Windows XP Professional with Service Pack 2<br>– Microsoft Windows XP Home Edition with Service Pack 2<br>– Microsoft Windows XP Tablet Edition with Service Pack 2<br>– Microsoft Windows XP Media Edition with Service Pack 2 |
| <b>RAM:</b>              | – <b>Minimum:</b> 192 MB (limited overall performance of RPS)<br>– <b>Recommended:</b> 512MB or higher  |
| <b>Hard Drive Space:</b> | 600 MB free space.  |
| <b>Browser:</b>          | Microsoft Internet Explorer version 6 or later  |

## 2.4 RPS and SQL Express on the Same PC Minimum Requirements

|                          |   |
|--------------------------|---|
| <b>Processor:</b>        | Intel Pentium IV  |
| <b>Operating System:</b> | <ul style="list-style-type: none"> <li>– Microsoft Windows 2003 Server with Service Pack 1</li> <li>– Microsoft Windows XP Professional with Service Pack 2</li> <li>– Microsoft Windows XP Home Edition with Service Pack 2</li> </ul>                                     |
| <b>RAM:</b>              | <ul style="list-style-type: none"> <li>– <b>Minimum:</b> 512 MB</li> <li>– <b>Recommended:</b> 1 GB or higher</li> </ul>  |
| <b>Hard Drive Space:</b> | Approximately 512 MB for RPS installation. Accounts and history require additional hard drive space.  |
| <b>Video:</b>            | VGA monitor capable of supporting 1024 x 768 resolution. RPS supports 24-bit color palettes and lower. For Windows XP, change the font settings to <b>Normal Fonts</b> .  |
| <b>Modems:</b>           | The online help file for each control panel lists compatible modems that were tested with RPS. The administrator can also configure and use most major brands and types of modems with RPS. Refer to <i>Modem Specifications</i> in the RPS Help file for more information. |
| <b>Ports:</b>            | One serial port for modem communication and one parallel port for printer connections.  |
| <b>Browser:</b>          | Microsoft Internet Explorer version 6 or later  |
| <b>Software:</b>         | <ul style="list-style-type: none"> <li>– Microsoft .NET Framework 2.0</li> <li>– Windows Installer 3.1</li> <li>– Microsoft Data Access Components (MDAC)</li> </ul>  |

## 2.5 Minimum System Requirements for RPS and SQL Express on a PC with Vista

|                          |   |
|--------------------------|---|
| <b>Processor:</b>        | 1 GHz 32-bit (x86) processor  |
| <b>Operating System:</b> | – Microsoft Windows Vista (all versions)  |
| <b>RAM:</b>              | <ul style="list-style-type: none"> <li>– <b>Minimum:</b> 512 MB</li> <li>– <b>Recommended:</b> 1 GB or higher</li> </ul>  |
| <b>Hard Drive Space:</b> | 20 GB hard drive with at least 14 GB of available space.  |
| <b>Video:</b>            | VGA monitor capable of supporting 1024 x 768 resolution. RPS supports 24-bit color palettes and lower. Set the font settings to <b>Normal Fonts</b> .   |
| <b>Modems:</b>           | The online help file for each control panel lists compatible modems that were tested with RPS. The administrator can also configure and use most major brands and types of modems with RPS. Refer to <i>Modem Specifications</i> in the RPS Help file for more information. |
| <b>Ports:</b>            | One serial port for modem communication and one parallel port for printer connections.  |
| <b>Browser:</b>          | Microsoft Internet Explorer version 6 or later  |
| <b>Software:</b>         | <ul style="list-style-type: none"> <li>– Microsoft .NET Framework 2.0</li> <li>– Windows Installer 3.1</li> </ul>   |

## 2.6 Minimum System Requirements for RPS and SQL Express on a PC with Windows 7

|                          |   |
|--------------------------|---|
| <b>Processor:</b>        | 1 GHz or faster 32-bit (x86) or 64-bit (x64) processor  |
| <b>Operating System:</b> | – Microsoft Windows 7 (all versions)  |
| <b>RAM:</b>              | – <b>32-bit:</b> 1 GB<br>– <b>64-bit:</b> 2 GB  |
| <b>Hard Drive Space:</b> | – <b>32-bit:</b> At least 16 GB available hard drive space<br>– <b>64-bit:</b> At least 20 GB available hard drive space  |
| <b>Video:</b>            | VGA monitor capable of supporting 1024 x 768 resolution. RPS supports 24-bit color palettes and lower. Set the font settings to <b>Normal Fonts</b> .   |
| <b>Modems:</b>           | The online help file for each control panel lists compatible modems that were tested with RPS. The administrator can also configure and use most major brands and types of modems with RPS. Refer to <i>Modem Specifications</i> in the RPS Help file for more information. |
| <b>Ports:</b>            | One serial port for modem communication and one parallel port for printer connections.  |
| <b>Browser:</b>          | Microsoft Internet Explorer version 6 or later  |
| <b>Software:</b>         | – Microsoft .NET Framework 2.0<br>– Windows Installer 3.1<br>– DirectX 9 graphics device with WDDM 1.0 or higher driver   |

## 3 Install RPS

### 3.1 Overview

**NOTICE!**

To install or upgrade RPS, the RPS operator must have administrative rights on the target computer. Once RPS is installed or upgraded, the RPS operator does not need administrative rights to use RPS on the target computer.

**NOTICE!**

If you are using an unreleased version of RPS, such as an alpha or beta version, you must uninstall (remove) RPS before installing a released version.

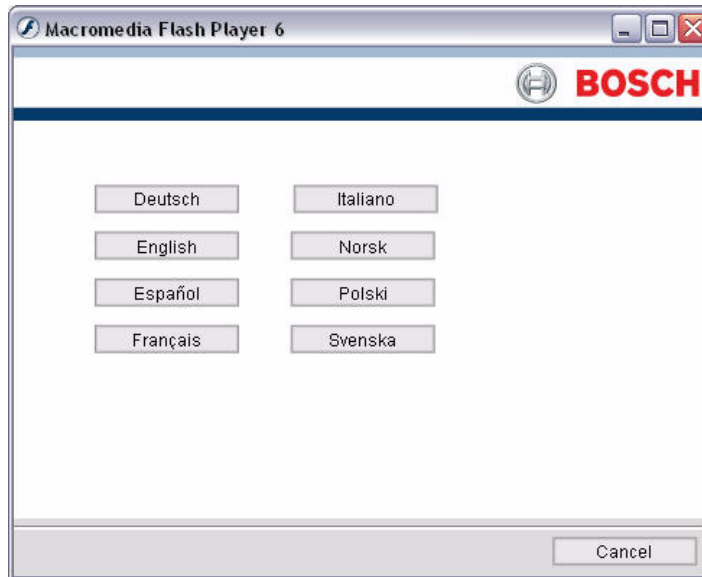
Review the following list of installation options, select the one that best meets your needs, and follow the steps to install RPS.

- *Section 3.2 Install RPS with a Local SQL Database, page 12*  
Select this option if you are installing RPS for the first time, and you want the SQL database installed on the same computer that RPS is installed on.
- *Section 3.3 Install RPS with a Network SQL Database, page 20*  
Select this option if you are installing RPS for the first time, and you want the SQL database installed on a network instead of on the same computer that RPS is installed on.
- *Section 3.8 Known Issues, page 32*  
Select this option if you are installing RPS from a network drive.
- *Section 4.1 Upgrade RPS with a SQL Database, page 33*  
Select this option if you are upgrading from an older version of RPS that uses a SQL database to RPS 5.12 or later.  
  
This option requires you to integrate the RPS database files into the SQL database. Refer to *Section 4.4 Integrate the RPS Database Files into the SQL Database, page 47* for more information.
- *Section 4.2 Upgrade RPS with a Microsoft Access Database, page 39*  
Select this option if you are upgrading from an older version of RPS that uses an Access database to RPS 5.12 or later.

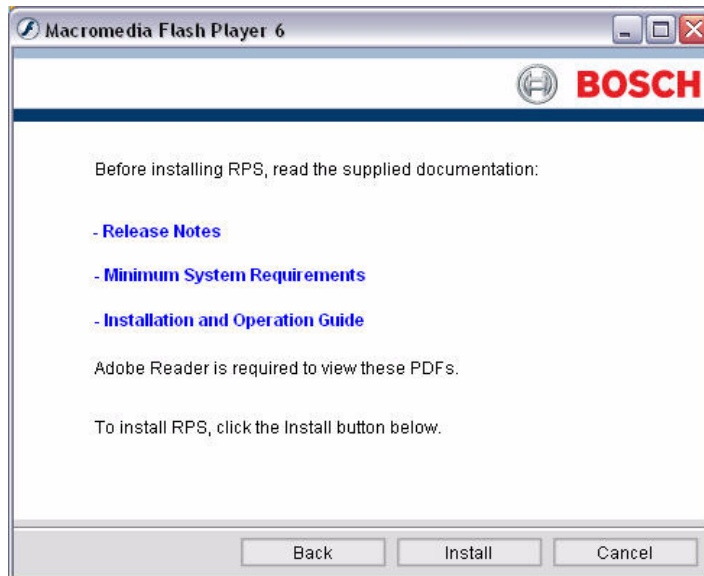
## 3.2 Install RPS with a Local SQL Database

### 3.2.1 View the RPS Documentation and Start the Installation Process

1. Insert the RPS CD-ROM into your CD-ROM drive.  
The RPS startup program should automatically start.  
If the startup program does not automatically start:
  - a. Select **Start > Run...**
  - b. At the prompt, type: X:\setup.exe.  
"X" = the drive letter assigned to your CD-ROM drive.
2. When the startup window opens, select a language from the list provided. An instruction window opens in the selected language.



3. From the instruction window, you can open the RPS documentation and install RPS.

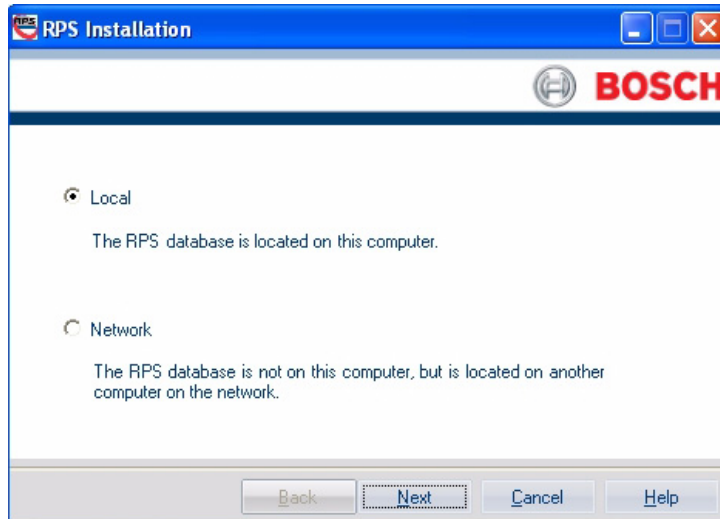


4. Click **Install** to start the installation process.  
You are ready to prepare the installation of the SQL database and RPS.

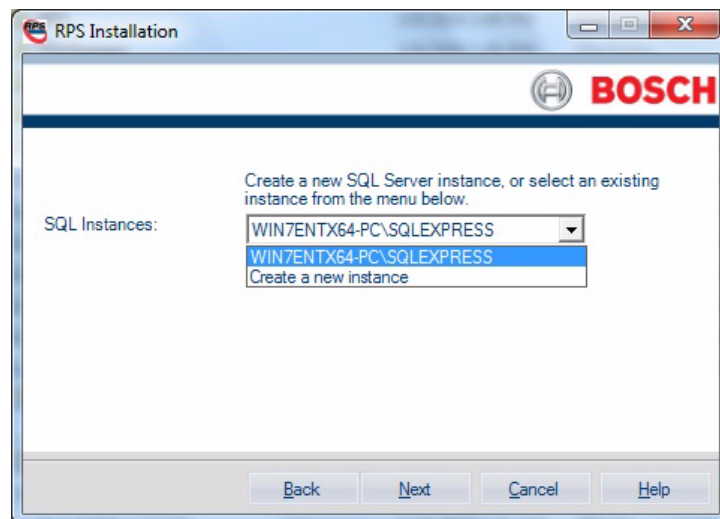
### 3.2.2

#### Prepare the Installation of the SQL Database and RPS

1. If prompted for a setup language, select your language and then click **Next**.
2. The Database Location window opens. Select **Local** to install the SQL database on the same computer as RPS. Click **Next**.

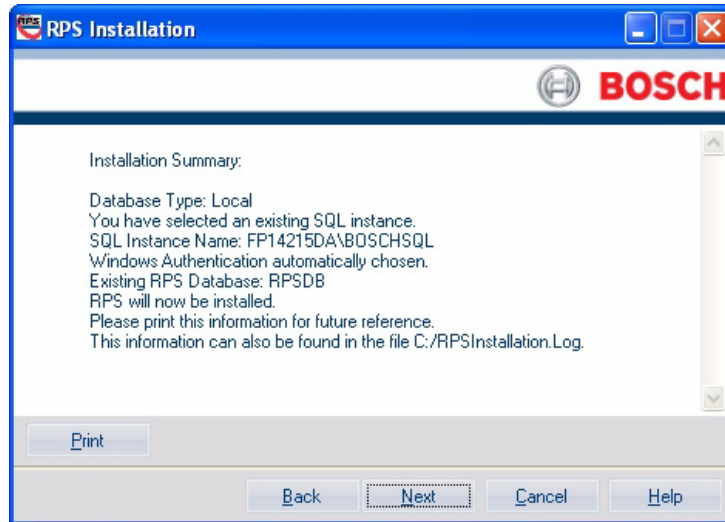


3. The SQL Instance window opens. Select an existing SQL instance, or create a new instance, and then click **Next**.



For more information, refer to:

- Section 3.4 Use an Existing SQL Instance, page 27
  - Section 3.5 Create a New SQL Instance, page 29
4. After the SQL instance is established, the Installation Summary window opens.



- If you need to change any settings, click **Back** to review and modify the previous installation setup windows as needed.
- If you would like to print the installation summary, click **Print**.
- If you are ready to install the SQL database and RPS, click **Next**. The installation process starts.

### 3.2.3 Install the SQL Database and RPS

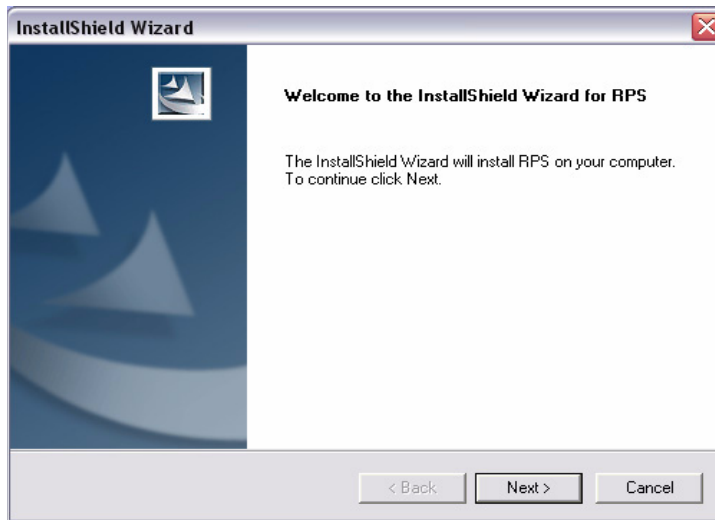
#### Install the SQL Database

The installation of the SQL database is automatic. No user interaction is needed. When the SQL database installation is complete, the RPS installation starts.

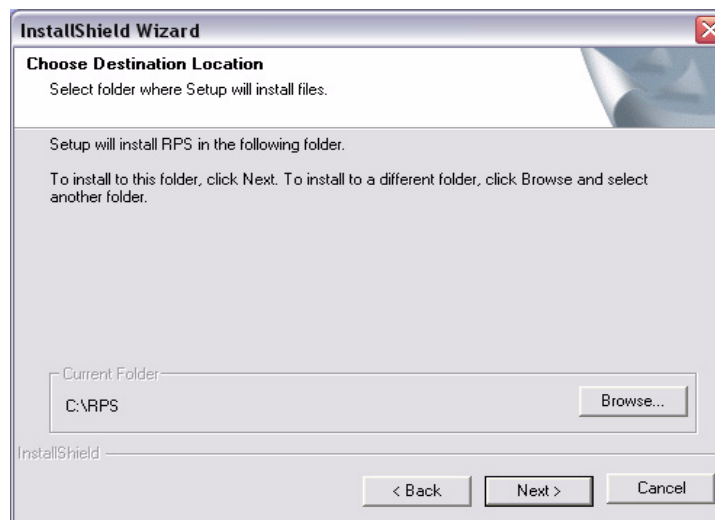
#### Install RPS

Use the following steps to install RPS:

1. When the Welcome window opens, click **Next**.



2. The Choose Destination Location window opens. If the default directory is acceptable, click **Next**. Otherwise, click **Browse** to select a different directory, then click **Next**.



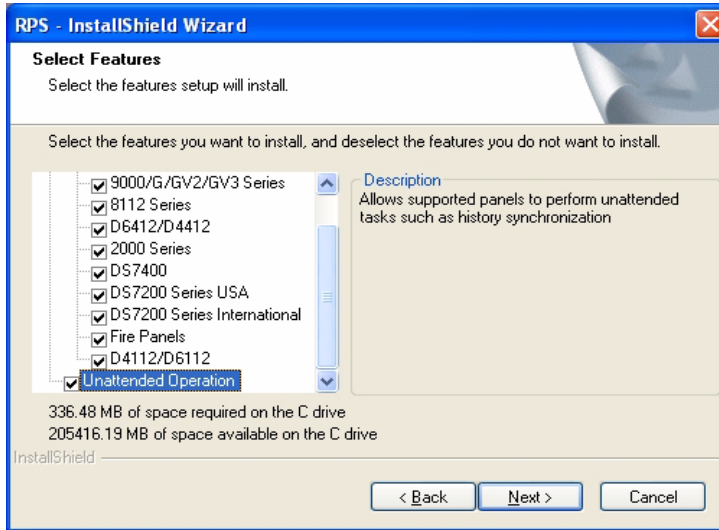
3. The Select Features window opens. Select the desired features and control panel types for this RPS installation, then click **Next**.



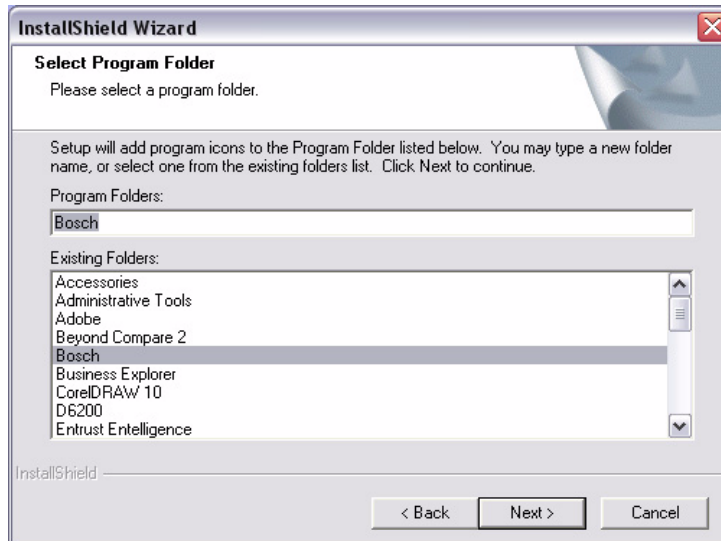
#### NOTICE!

If you wish to install Unattended Service, scroll down in the Features menu until you see **Unattended** and check its box. By default, Unattended Service is not installed.

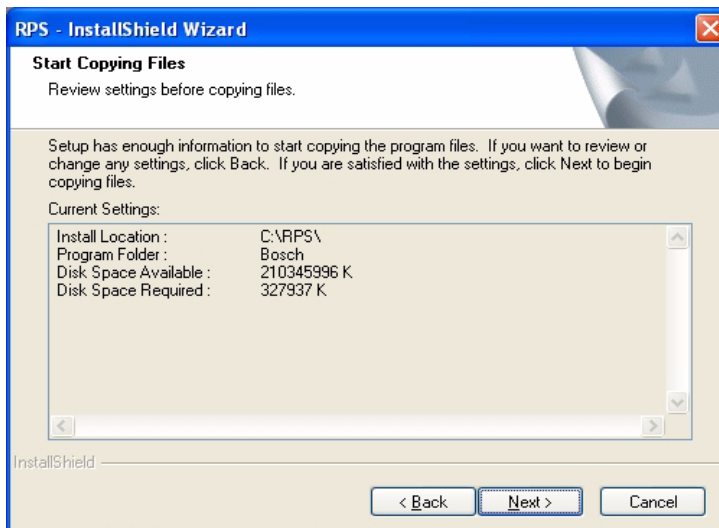




4. The Select Program Folder window opens. Click **Next**.

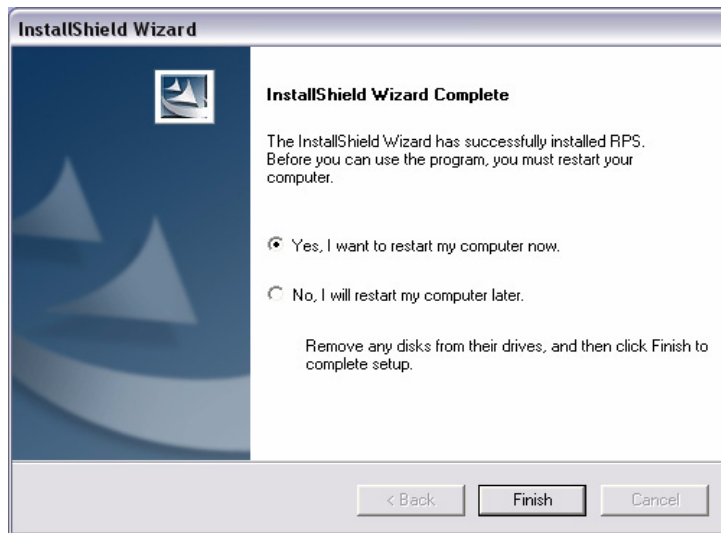


5. The Start Copying Files window opens. Click **Next**.

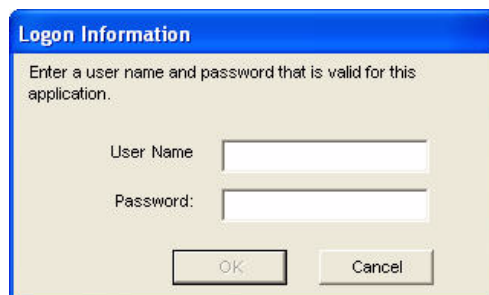


The Setup Status window indicates the installer's progress.

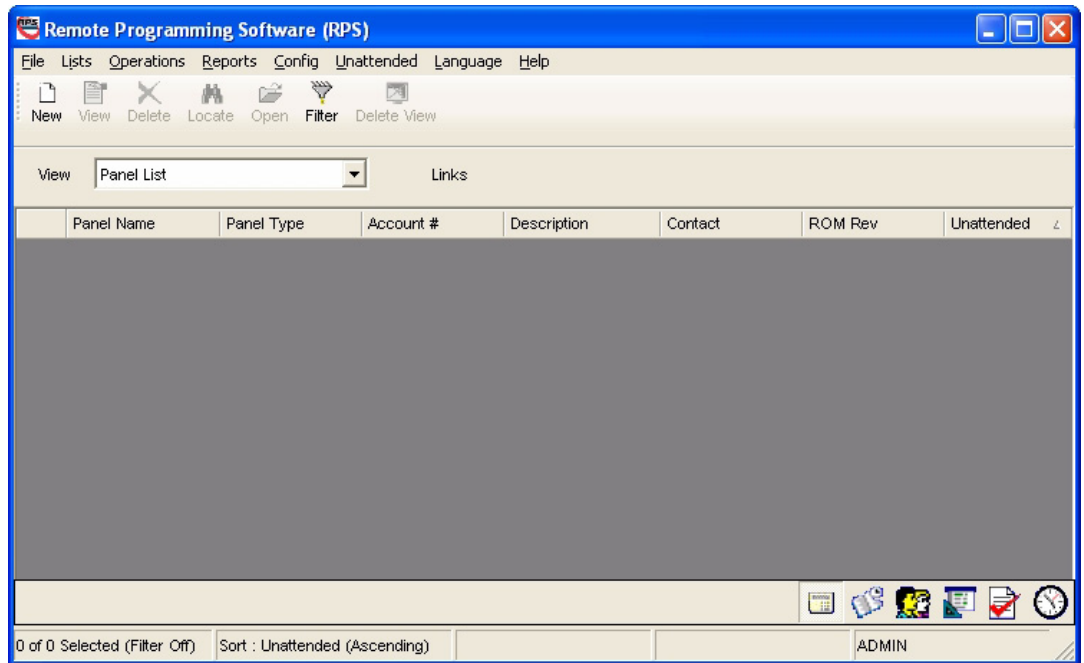
- When the InstallShield Wizard Complete window opens, click **Finish**.  
The computer restarts.



- After logging onto the computer, start RPS by selecting **Start>Bosch>RPS 5.x**, or by double-clicking the **RPS 5.x shortcut** on the computer's desktop.
- In the RPS Logon Information window, enter your RPS user name and password, then click **OK**.
  - The default user name is **admin**
  - The default password is **1111** or **default**



- By default, the Panel List opens. You are now ready to use RPS.  
For information on the RPS user interface, refer to the *RPS Online Help*.



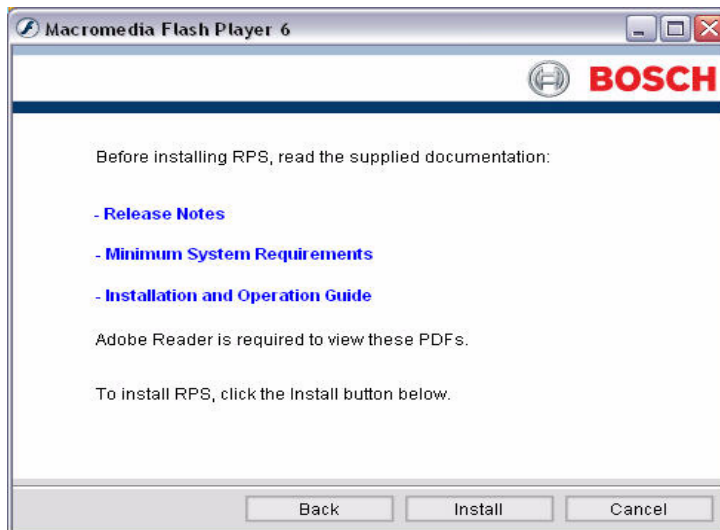
## 3.3 Install RPS with a Network SQL Database

### 3.3.1 View the RPS Documentation and Start the Installation Process

1. Insert the RPS CD-ROM into your CD-ROM drive.  
The RPS startup program should automatically start.  
If the startup program does not automatically start:
  - a. Select **Start > Run...**
  - b. At the prompt, type: X:\setup.exe.  
"X" = the drive letter assigned to your CD-ROM drive.
2. When the startup window opens, select a language from the list provided. An instruction window opens in the selected language.



3. From the instruction window, you can open the RPS documentation and install RPS.

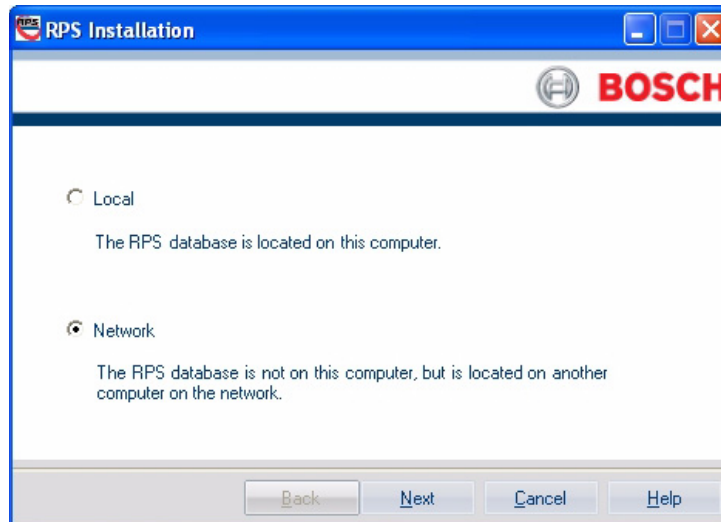


4. Click **Install** to start the installation process.  
You are ready to prepare the installation of the SQL database and RPS.

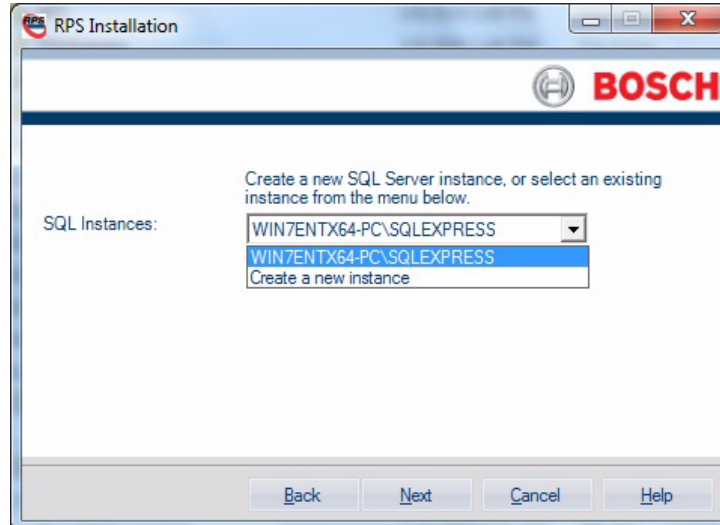
### 3.3.2

#### Prepare the Installation of the SQL Database and RPS

1. The Installation Language window opens. Select your setup language preference, and then click **Next**.
2. The Database Location window opens.  
Select **Network** to install the SQL database on a network instead of on the same computer that RPS is installed on. Click **Next**.

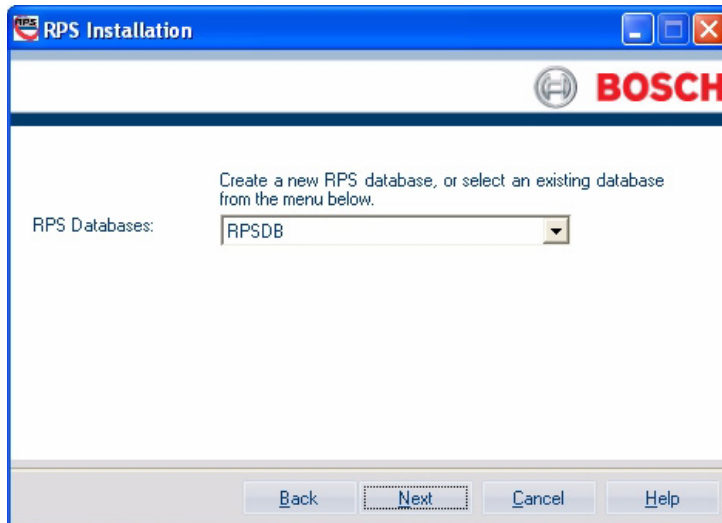


3. The SQL Instance window opens.  
Select an existing SQL instance, and then click **Next**.



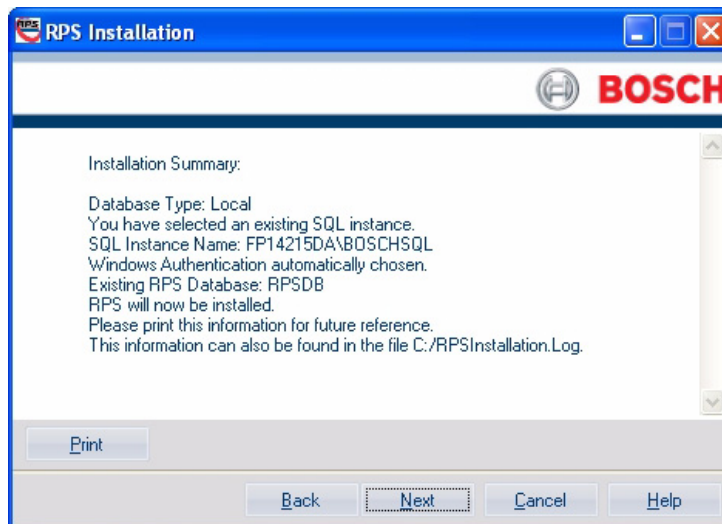
For more information, refer to *Section 3.4 Use an Existing SQL Instance, page 27*.

4. The RPS Database window opens.  
Select an existing RPS database, or create a new RPS database.

**NOTICE!**

If RPS has never been installed on the target computer, then there will not be any existing databases to select from. In this case, select **Create new RPS database**. RPS creates a database called “RPSDB.” Click **Next** to continue with the installation setup.

- After the SQL instance is established and the RPS database is created, the Installation Summary window opens.



- If you need to change any settings, click **Back** to move back through the installation setup windows as needed.
- If you would like to print the installation summary, click **Print**.
- If you are ready to install the SQL database and RPS, click **Next**. The installation process starts.

### 3.3.3 Install the SQL Database and RPS

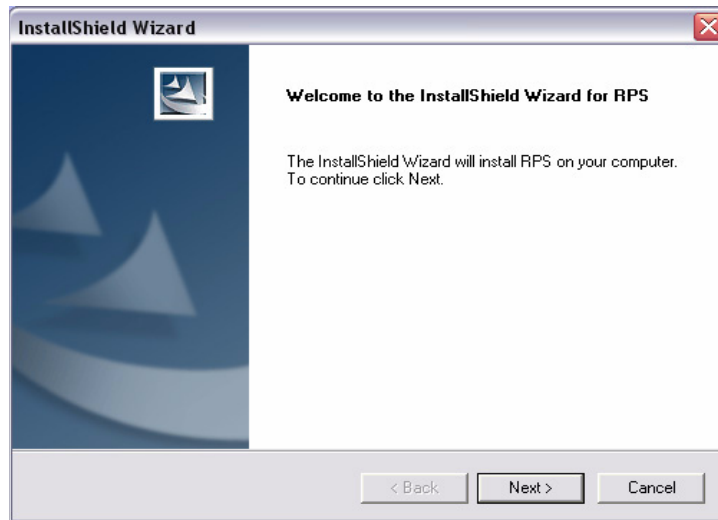
#### Install the SQL Database

The installation of the SQL database is automatic. No user interaction is needed. When the SQL database installation is complete, the RPS installation starts.

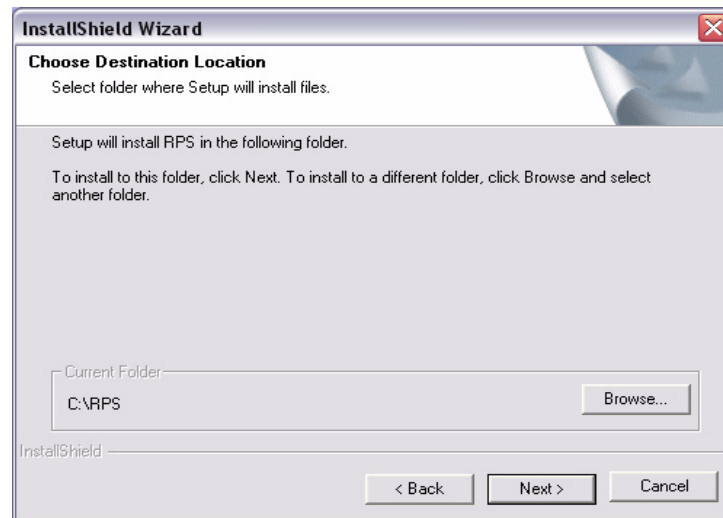
#### Install RPS

Use the following steps to install RPS:

1. When the Welcome window opens, click **Next**.



2. The Choose Destination Location window opens. If the default directory is acceptable, click **Next**. Otherwise, click **Browse** to select a different directory, then click **Next**.

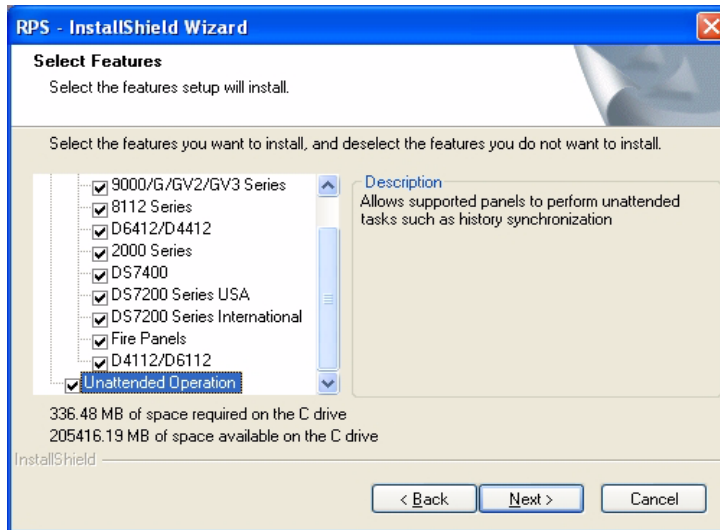


3. The Select Features window opens. Select the desired features and control panel types for this RPS installation, then click **Next**.

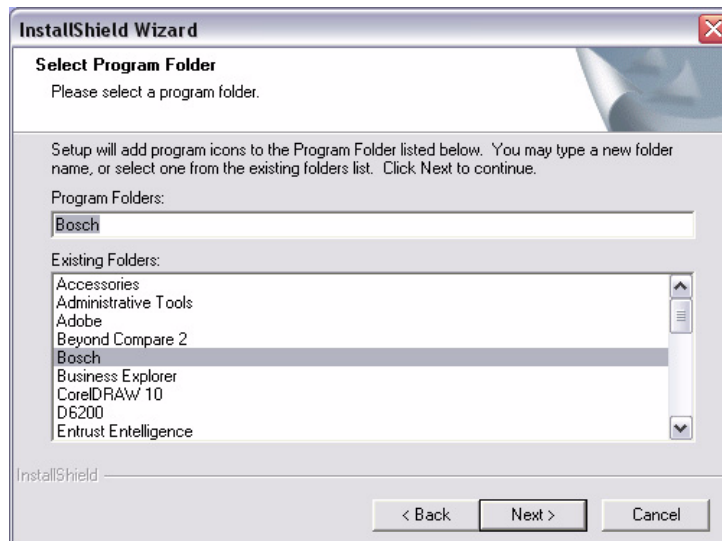


#### NOTICE!

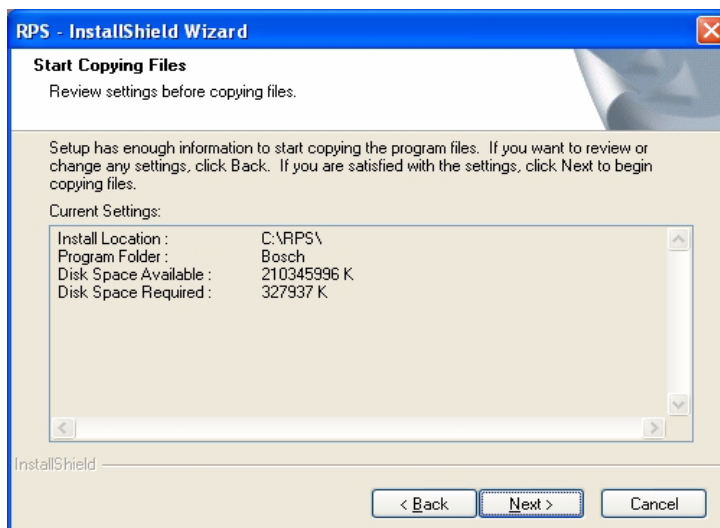
If you wish to install Unattended Service, scroll down in the Features menu until you see **Unattended** and check its box. By default, Unattended Service is not installed.



4. The Select Program Folder window opens. Click **Next**.



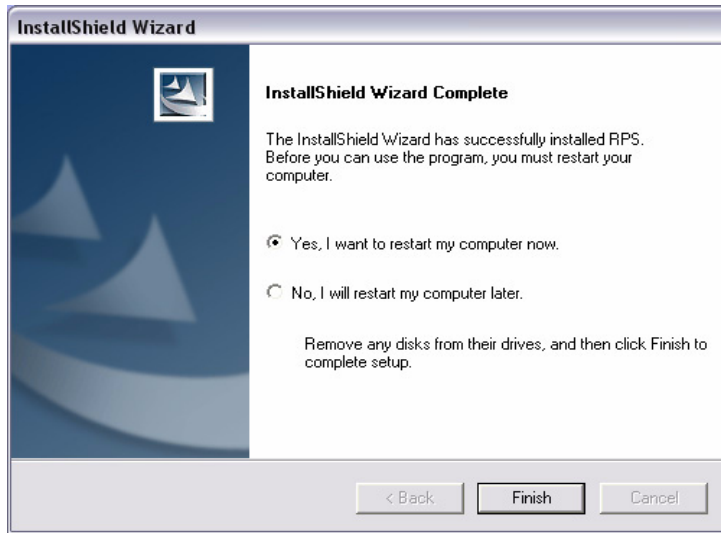
5. The Start Copying Files window opens. Click **Next**.



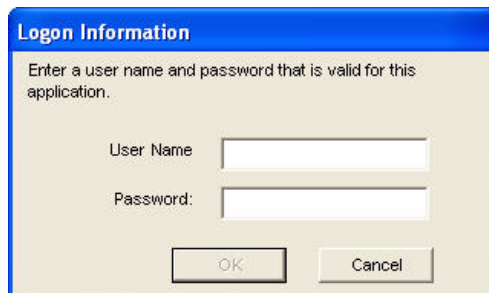
The Setup Status window indicates the installer's progress.



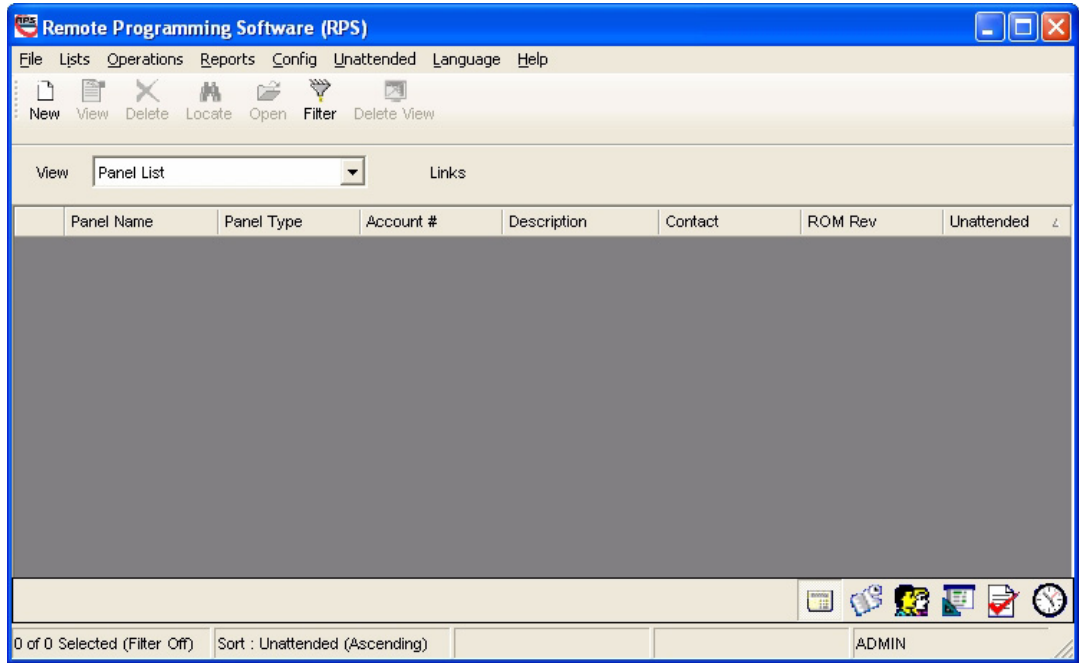
- When the InstallShield Wizard Complete window opens, click **Finish**.  
The computer restarts.



- After logging onto the computer, start RPS by selecting **Start>Bosch>RPS 5.x**, or by double-clicking the **RPS 5.x shortcut** on the computer's desktop.
- In the RPS Logon Information window, enter your RPS user name and password, then click **OK**.
  - The default user name is **admin**
  - The default password is **1111** or **default**



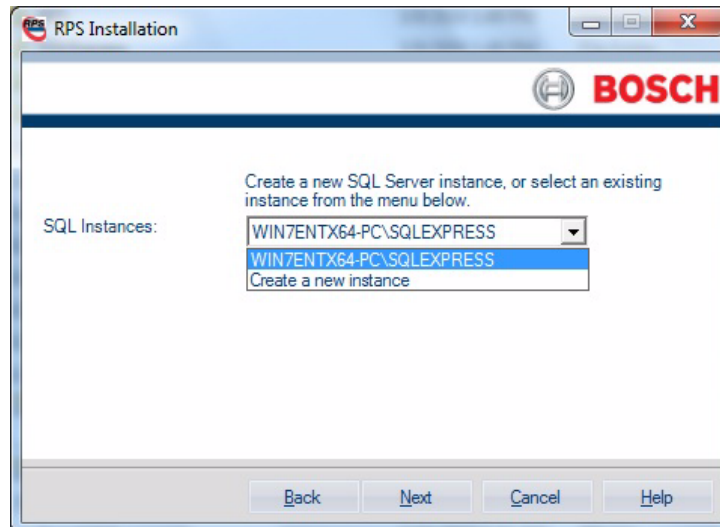
- By default, the Panel List opens. You are now ready to use RPS.  
For information on the RPS user interface, refer to the *RPS Online Help*.



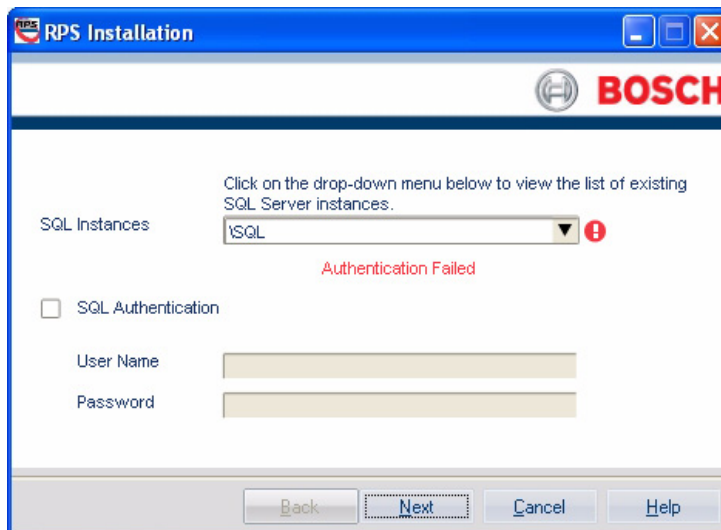
## 3.4 Use an Existing SQL Instance

To use an existing SQL instance:

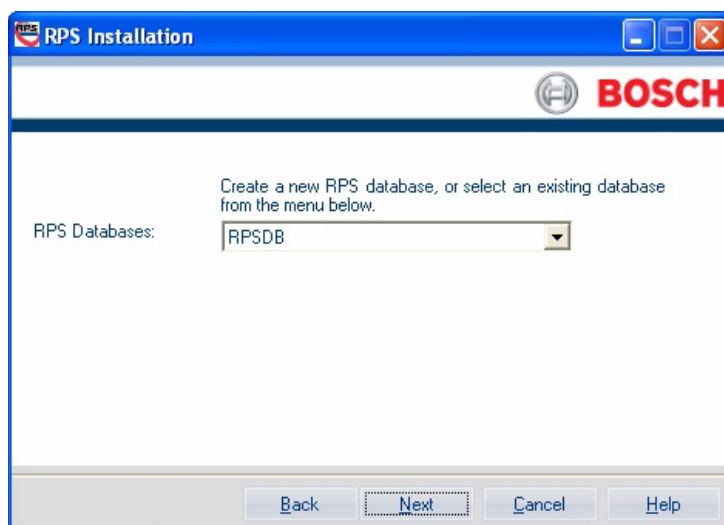
1. On the SQL Instance window, click the **SQL Instances** menu and select the appropriate SQL instance.



2. Authentication of the selected SQL instance starts. By default, Windows Authentication is used. If the authentication fails, you are prompted to use SQL Authentication.



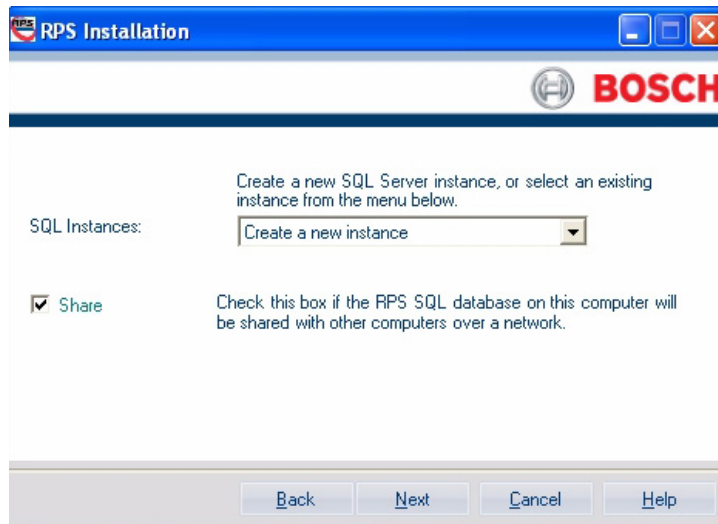
3. To use SQL Authentication, check the **SQL Authentication** box, then enter your SQL user name and password in the respective fields. Click **Next**.
4. The RPS Database window opens. Select an existing RPS database, or create a new RPS database. Click **Next** to continue with the installation setup.



## 3.5 Create a New SQL Instance

To create a new SQL instance on the local RPS computer:

1. Select **Local** from the Select SQL Instance window.  
RPS creates a new SQL instance on the local computer that contains the following information:
  - **SQL Instance Name:** BOSCHSQL  
If BOSCHSQL is already used, the new instance is named BOSCHSQLn, where n = a number. For example, BOSCHSQL1.
  - **Authentication:** Mixed Mode Authentication
  - **User Name:** sa
  - **Password:** sql12345
  - **RPS Database Name:** RPSDB  
If RPSDB is already used, the new database is named RPSDBn, where n = a number. For example, RPSDB1.
2. Click the **Share Database** checkbox in order to share the new SQL instance with other computers on the network.



When the **Share Database** checkbox is selected, the SQL browser service automatically starts. This service is required to allow other computers to access the local SQL instance.

3. Click **Next** to continue with the installation setup.

## 3.6 Automatic Installation of RPS

### 3.6.1 Overview

When installing or upgrading to version 5.12 or later, RPS creates a file called **RPSInstallation.ini**. This file contains the SQL database settings that are selected when installing or upgrading RPS.

After the first installation or upgrade of RPS, you can run the **RPSInstallation.ini** file to complete subsequent installations or upgrades that are identical to the first installation or upgrade.

For more information, refer to:

- Section 3.6.2 *Generate the RPSInstallation.ini File*, page 30
- Section 3.6.3 *Use the RPSInstallation.ini File*, page 31
- Section 3.6.4 *Customize the RPSInstallation.ini File*, page 31

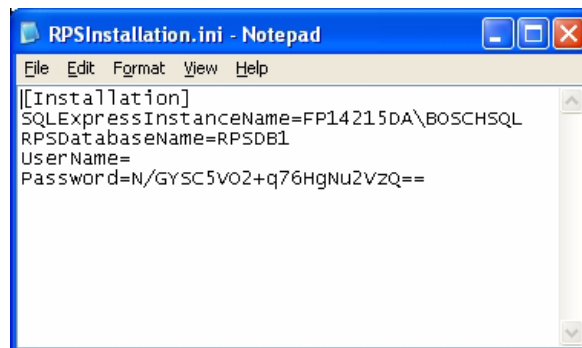
### 3.6.2 Generate the RPSInstallation.ini File

To generate the **RPSInstallation.ini** file, you must install, or upgrade to, version 5.12 or later. During the installation or upgrade process, RPS collects the selected settings for the SQL database and saves them at **X:\RPSInstallation.ini** (“X” = the drive letter assigned to the computer’s local drive).

The **RPSInstallation.ini** file contains the following settings:

- **SQLExpressInstanceName:** This setting contains the name of the selected SQL Express instance name.
- **RPSDatabaseName:** This setting contains the name of the selected RPS database.
- **UserName:** This setting contains the user name required for SQL authentication. By default, RPS uses Windows authentication. This setting is not required for Windows authentication.
- **Password:** This setting contains the password required for SQL authentication. By default, RPS uses Windows authentication. This entry is not required for Windows authentication. This entry is encrypted.

See below for an example of the RPSInstallation.ini file.



### 3.6.3 Use the RPSInstallation.ini File

To use the **RPSInstallation.ini** file to install RPS with the same SQL database settings as the first installation:

1. Copy the following files to a blank CD-ROM:
  - All files from the master RPS CD-ROM
  - The **RPSInstallation.ini** file from the PC where the first installation or upgrade was performed (**X:\RPSInstallation.ini**, where “X” = the drive letter assigned to the computer’s local drive).

All of the required installation files, including the RPSInstaller.exe file, reside in the **fscommand** folder at the root level of the RPS CD-ROM. The **RPSInstallation.ini** file must reside in this folder as well.
2. Insert the copied RPS CD-ROM into the next computer that requires an installation or upgrade of RPS.

RPS installs the SQL database according to the settings in the **RPSInstallation.ini** file, and then installs RPS. When the installation process is complete, RPS connects to the SQL database.
3. Repeat *Step 2* for all remaining computers that require an RPS installation or upgrade.

### 3.6.4 Customize the RPSInstallation.ini File

If the RPS installation requires that the SQL database is installed locally on each computer (not shared), you can customize the **RPSInstallation.ini** file as follows:

1. Create a text file (.txt) in a text editor such as Notepad.
2. Copy the following lines in the order as shown below:
  - [Installation]
  - NewSQLInstance=
  - NewRPSDatabase=
3. Save the file.

Use **RPSInstallation** for the filename. Change the file extension from **.txt** to **.ini**.
4. Close the file.
5. Copy the custom .ini file along with all of the files on the master RPS CD-ROM to a blank CD-ROM.

All of the required installation files, including the RPSInstaller.exe file, reside in the **fscommand** folder at the root level of the RPS CD-ROM. The **RPSInstallation.ini** file must reside in this folder as well.
6. Install RPS onto each computer that requires an installation or upgrade.

RPS creates unique SQL instance names and RPS database names on each computer.

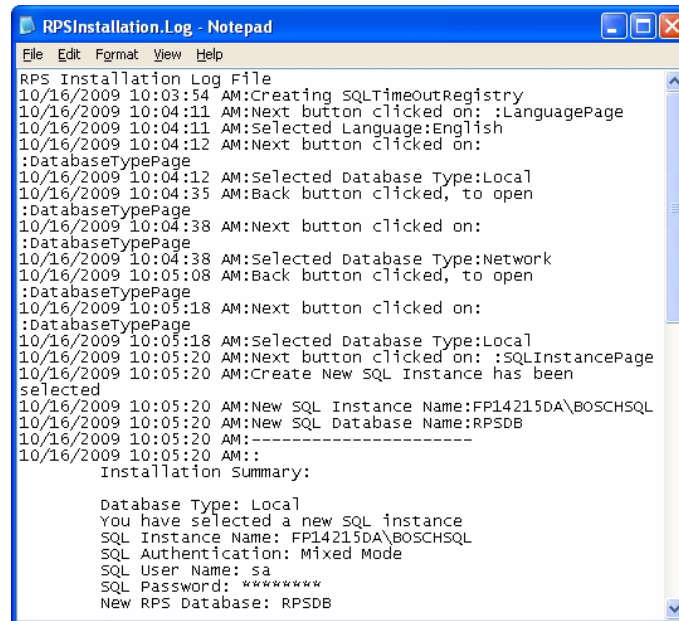
## 3.7 View the Installation Log File

During installation, RPS creates the **RPSInstallation.log** file, and logs the entire installation process in the file. This file is located in **X:\RPS\Log**s (“X” = the drive letter on the computer where RPS is installed).

The log file contains the following:

- All installation log entries with summary information
- Database file transfer information
- RPS database information

Use the installation log file for troubleshooting purposes.



```

RPS Installation Log File
10/16/2009 10:03:54 AM:Creating SQLTimeoutRegistry
10/16/2009 10:04:11 AM:Next button clicked on: :LanguagePage
10/16/2009 10:04:11 AM:Selected Language:English
10/16/2009 10:04:12 AM:Next button clicked on:
:DatabaseTypePage
10/16/2009 10:04:12 AM:Selected Database Type:Local
10/16/2009 10:04:35 AM:Back button clicked, to open
:DatabaseTypePage
10/16/2009 10:04:38 AM:Next button clicked on:
:DatabaseTypePage
10/16/2009 10:04:38 AM:Selected Database Type:Network
10/16/2009 10:05:08 AM:Back button clicked, to open
:DatabaseTypePage
10/16/2009 10:05:18 AM:Next button clicked on:
:DatabaseTypePage
10/16/2009 10:05:18 AM:Selected Database Type:Local
10/16/2009 10:05:20 AM:Next button clicked on: :SQLInstancePage
10/16/2009 10:05:20 AM:Create New SQL Instance has been
selected
10/16/2009 10:05:20 AM:New SQL Instance Name:FP14215DA\BOSCHSQL
10/16/2009 10:05:20 AM:New SQL Database Name:RPSDB
10/16/2009 10:05:20 AM:-----
10/16/2009 10:05:20 AM::
Installation Summary:

Database Type: Local
You have selected a new SQL instance
SQL Instance Name: FP14215DA\BOSCHSQL
SQL Authentication: Mixed Mode
SQL User Name: sa
SQL Password: *****
New RPS Database: RPSDB

```

## 3.8 Known Issues

### 3.8.1 Installing RPS from a Network Drive

If you copy the contents of the RPS CD-ROM to a networked drive, the drive must be mapped to a drive letter in order for RPS to properly install on local computers connected to the networked drive.

RPS cannot install from a networked drive that uses the Universal Naming Convention (UNC). If you copy the contents of the RPS CD-ROM to a local or network drive, you must change the Read/Write permission on the License folder.

### 3.8.2 Directory Installation

Do not install RPS in a directory with a space in its name (for example, “Program Files”).

### 3.8.3 Unattended Operation

Home versions of Microsoft’s operating systems do not support Unattended Service.

### 3.8.4 User Account Control (UAC) on Windows Vista

To ensure that the Unattended Service works as expected on a Windows Vista computer, disable the User Account Control feature.



## 4 Upgrade RPS

If you are using a version of RPS prior to RPS 5.7, automatic upgrading to RPS 5.12 or later is not supported. You must first uninstall the current version of RPS and perform a new installation to install the latest version of RPS.

For more information on new installations, refer to *Section 3 Install RPS, page 12*.

To preserve your database information from RPS 5.7 or earlier:

1. In RPS, select **File>Backup**.  
The **Backup Filename** dialog opens.  
In versions of RPS 3.x and earlier, Backup only backs up control panel accounts and templates. In versions of RPS 5.x and higher, all data is backed up.
  2. Enter a file name for the backup file, specify a location to save the backup file, and click **Save**.
  3. For versions of RPS 3.x and earlier:
    - a. Select the **Operators** List and record the data for all RPS operators.
    - b. Select **Config>System>Datalock** and record any datalock codes listed on the Datalock tab.
    - c. Select **Config>System>Encryption Key** and record any encryption keys listed on the Encryption Key tab.
  4. For all versions of RPS, record any custom security settings you made to any control panel accounts or RPS.
  5. When the new installation of RPS is complete, start RPS.
  6. In RPS, select **File>Restore**.  
The **Import Accounts** dialog opens.
  7. Find the backup file you created in *Step 2* and click **Open**.  
RPS restores your control panel accounts and templates.
  8. For versions of RPS 3.x and earlier, re-enter the operator data, datalock codes, encryption keys, and custom security settings that you recorded.  
For versions of RPS 5.x and higher, re-enter custom security settings that you recorded.
- RPS is now up-to-date with your account information.

### 4.1 Upgrade RPS with a SQL Database

#### 4.1.1 Before You Upgrade RPS



**NOTICE!**

Use this procedure only if your RPS installation already uses a SQL database. If you are upgrading an RPS installation that uses an Access database, refer to *Section 4.2 Upgrade RPS with a Microsoft Access Database, page 39* for upgrade instructions.



**NOTICE!**

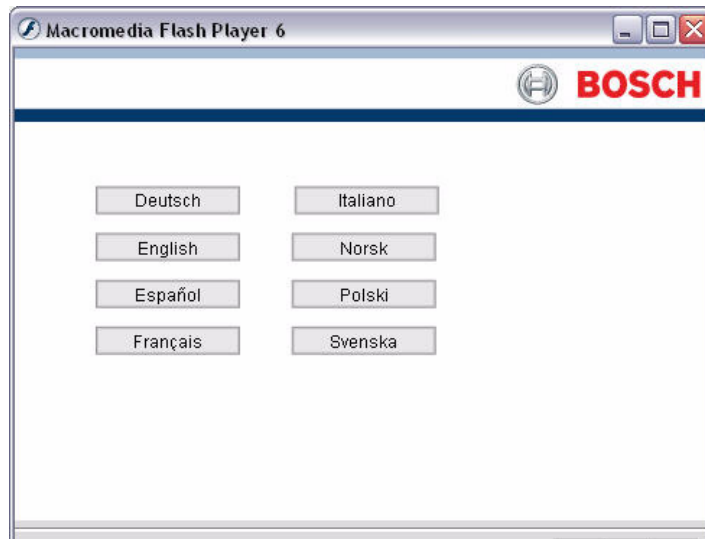
Before you upgrade RPS, back up your current RPS database and export a copy of it for recovery purposes, if needed. If you use Unattended Mode, turn it off before you upgrade RPS. Refer to the *RPS General Help* for more information related to backing up the RPS database.

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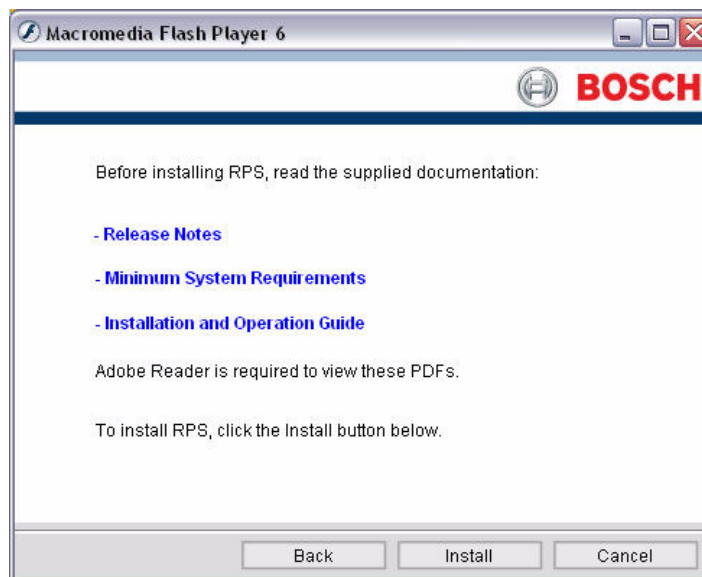
### 4.1.2

#### View the RPS Documentation and Start the Installation Process

1. Insert the RPS CD-ROM into your CD-ROM drive.  
The RPS startup program should automatically start.  
If the startup program does not automatically start:
  - a. Select **Start > Run...**
  - b. At the prompt, type: X:\setup.exe.  
"X" = the drive letter assigned to your CD-ROM drive.
2. When the startup window opens, select a language from the list provided. An instruction window opens in the selected language.



3. From the instruction window, you can open the RPS documentation and install RPS.



4. Click **Install** to start the installation process.  
You are ready to prepare the installation of the SQL database and RPS.

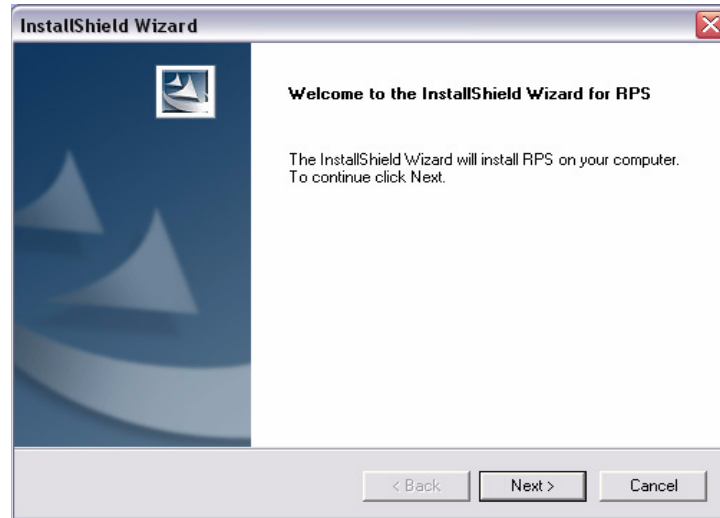
### 4.1.3

#### Upgrade RPS

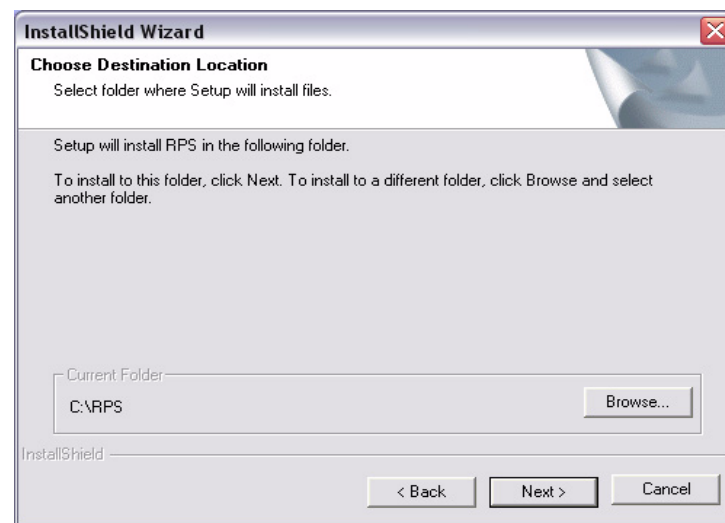
When you click **Install** on the startup instruction window, RPS automatically checks for .NET 2.0 or later, and installs it if necessary. RPS then detects the existing SQL database and connects to it. The process to upgrade RPS then starts.

Use the following steps to install RPS:

1. When the Welcome window opens, click **Next**.



2. The Choose Destination Location window opens. If the default directory is acceptable, click **Next**. Otherwise, click **Browse** to select a different directory, then click **Next**.

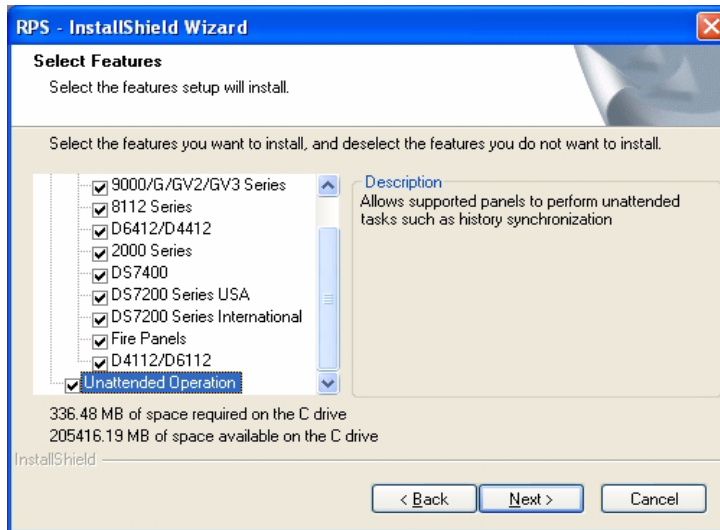


3. The Select Features window opens. Select the desired features and control panel types for this RPS installation, then click **Next**.

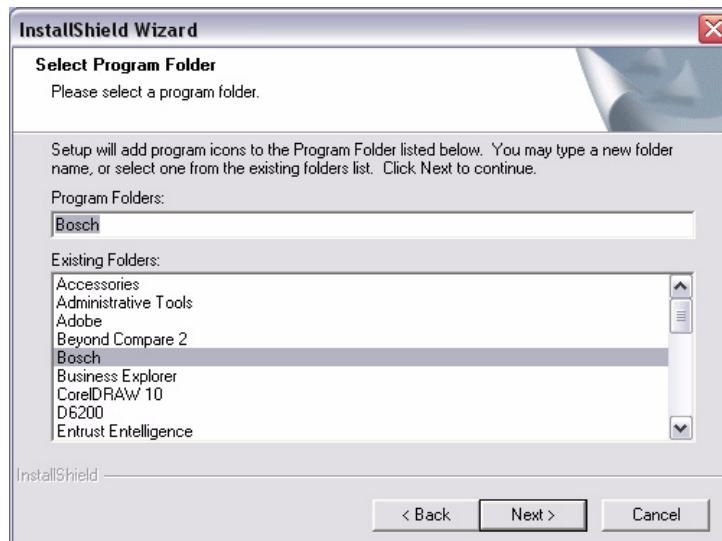


#### **NOTICE!**

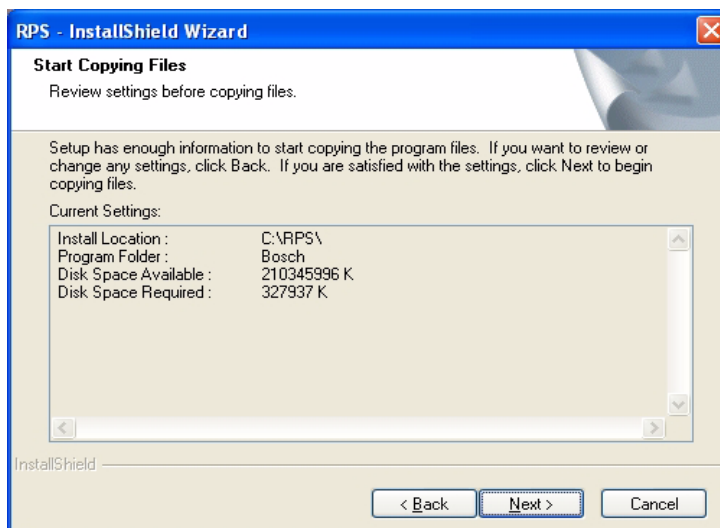
If you wish to install Unattended Service, scroll down in the Features menu until you see **Unattended** and check its box. By default, Unattended Service is not installed.



4. The Select Program Folder window opens. Click **Next**.

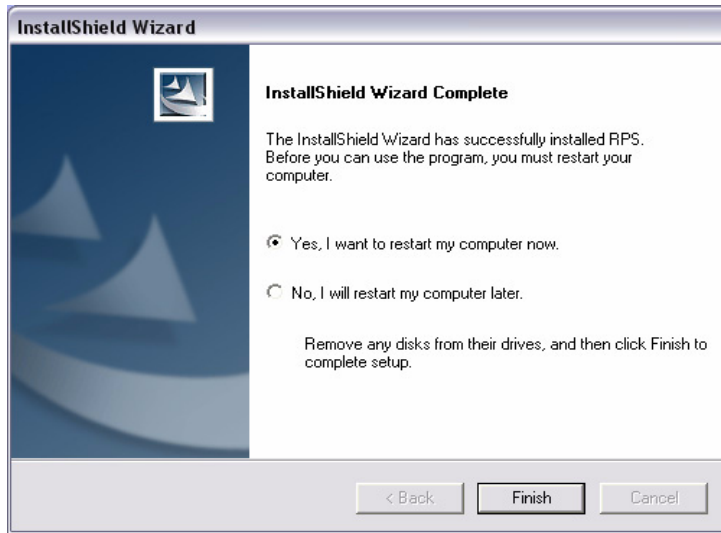


5. The Start Copying Files window opens. Click **Next**.

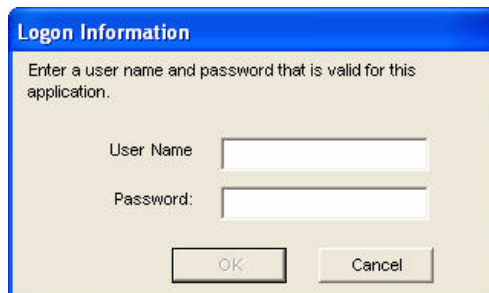


The Setup Status window indicates the installer's progress.

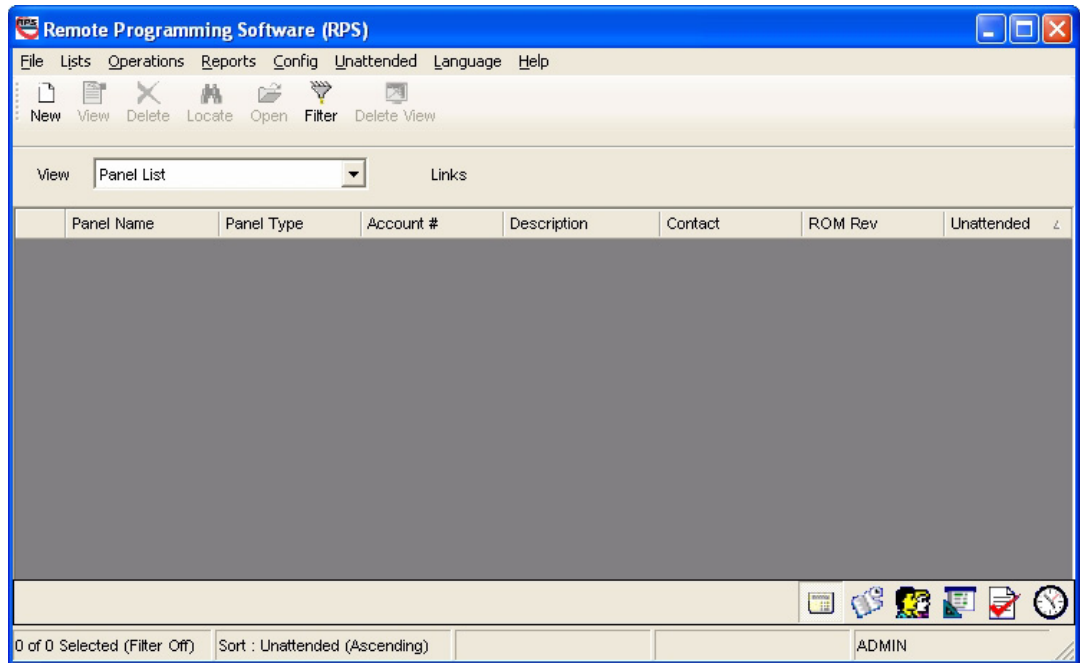
- When the InstallShield Wizard Complete window opens, click **Finish**.  
The computer restarts.



- After logging onto the computer, start RPS by selecting **Start>Bosch>RPS 5.x**, or by double-clicking the **RPS 5.x shortcut** on the computer's desktop.
- In the RPS Logon Information window, enter your RPS user name and password, then click **OK**.
  - The default user name is **admin**
  - The default password is **1111** or **default**



- By default, the Panel List opens. You are now ready to use RPS.  
For information on the RPS user interface, refer to the *RPS Online Help*.



## 4.2 Upgrade RPS with a Microsoft Access Database

### 4.2.1 Before You Upgrade RPS

**NOTICE!**

Use this procedure only if your RPS installation uses an Access database.

If you are upgrading an RPS installation that uses a SQL database, refer to *Section 4.1 Upgrade RPS with a SQL Database, page 33* for upgrade instructions.

**NOTICE!**

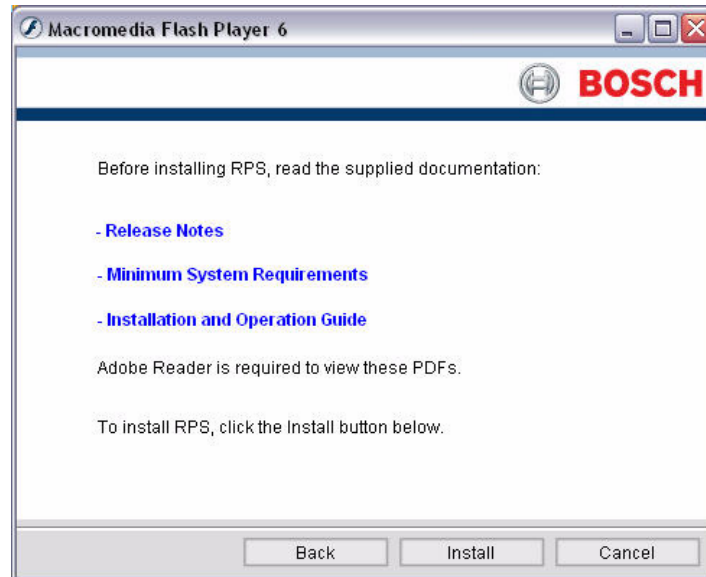
Before you upgrade RPS, back up your current RPS database and export a copy of it for recovery purposes, if needed. If you use Unattended Mode, turn it off before you upgrade RPS. Refer to the *RPS Online Help* for more information.

### 4.2.2 View the RPS Documentation and Start the Installation Process

1. Insert the RPS CD-ROM into your CD-ROM drive.  
The RPS startup program should automatically start.  
If the startup program does not automatically start:
  - a. Select **Start > Run...**
  - b. At the prompt, type: X:\setup.exe.  
"X" = the drive letter assigned to your CD-ROM drive.
2. When the startup window opens, select a language from the list provided. An instruction window opens in the selected language.



3. From the instruction window, you can open the RPS documentation and install RPS.

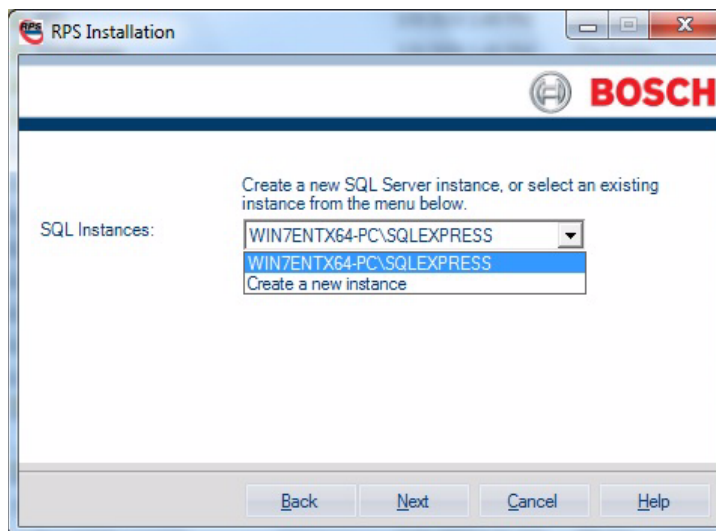


4. Click **Install** to start the installation process.  
You are ready to prepare the installation of the SQL database and RPS.

### 4.2.3 Prepare the Upgrade for a Local SQL Database

In this procedure, you are preparing the RPS upgrade to install the SQL database on the local RPS computer.

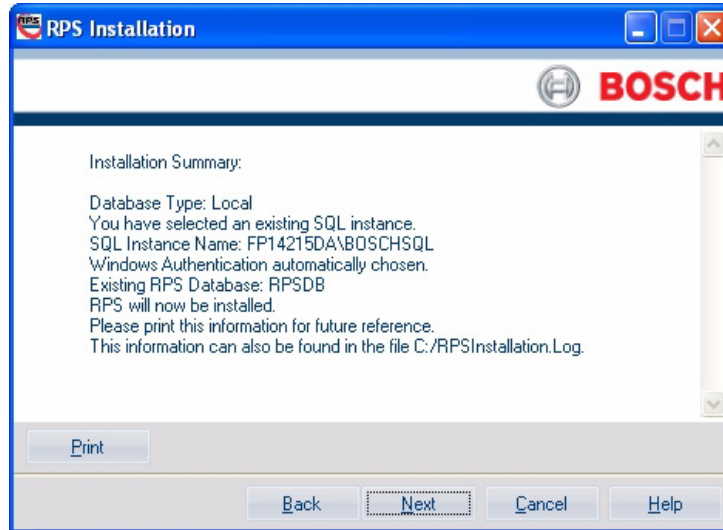
1. The SQL Instance window opens. Select an existing SQL instance, or create a new instance, and then click **Next**.



For more information, refer to:

- *Section 3.4 Use an Existing SQL Instance, page 27*
  - *Section 3.5 Create a New SQL Instance, page 29*
2. After the SQL instance is established, the Installation Summary window opens.





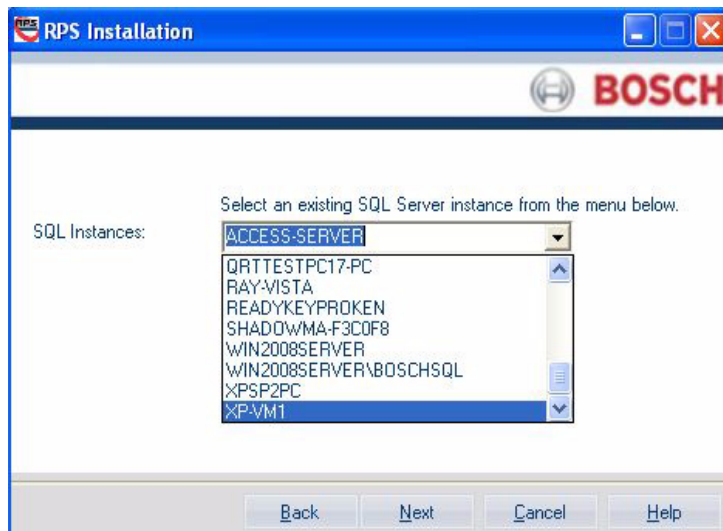
- If you need to change any settings, click **Back** to review and modify the previous installation setup windows as needed.
- If you would like to print the installation summary, click **Print**.
- If you are ready to install the SQL database and RPS, click **Next**.  
The installation process starts. See *Section 4.2.5 Upgrade RPS, page 43* for more information.

#### 4.2.4

#### Prepare the Upgrade for a Network SQL Database

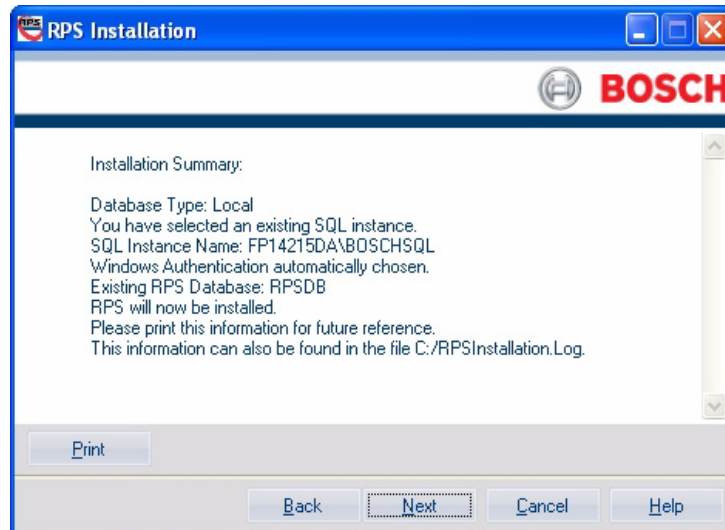
In this procedure, you are preparing the RPS upgrade to install the SQL database on a network.

1. The SQL Instance window opens. Select an existing SQL instance, and then click **Next**.



For more information, refer to:

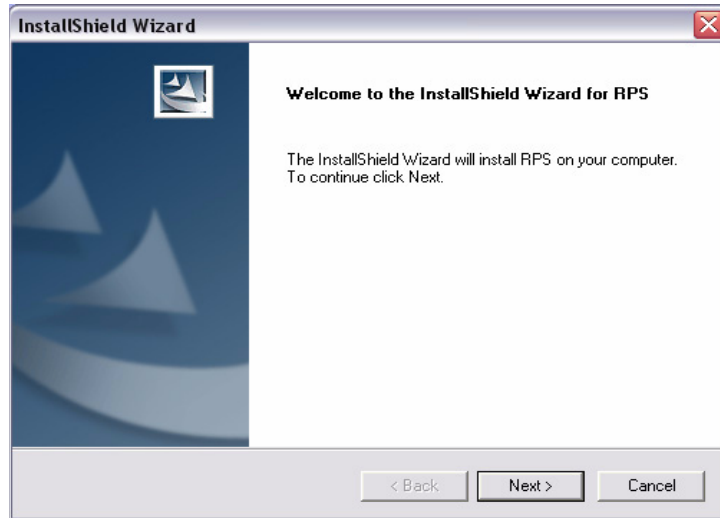
- *Section 3.4 Use an Existing SQL Instance, page 27*
  - *Section 3.5 Create a New SQL Instance, page 29*
2. After the SQL instance is established, the Installation Summary window opens.



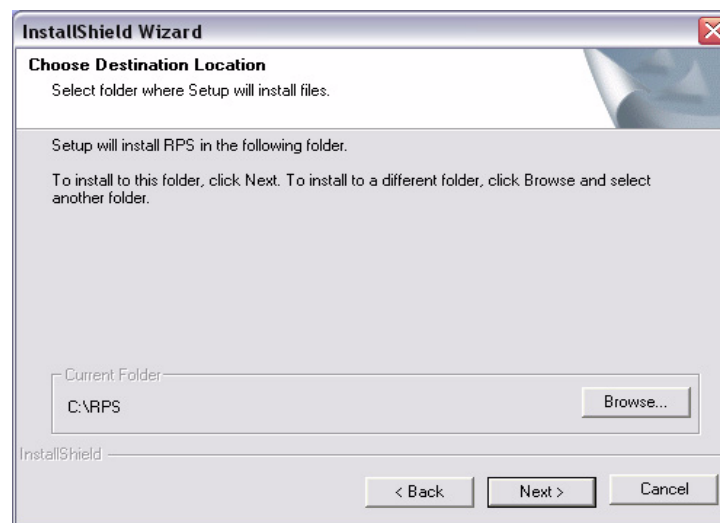
- If you need to change any settings, click **Back** to move back through the installation setup windows as needed.
- If you would like to print the installation summary, click **Print**.
- If you are ready to install the SQL database and RPS, click **Next**.  
The installation process starts. See *Section 4.2.5 Upgrade RPS, page 43* for more information.

## 4.2.5 Upgrade RPS

1. When the Welcome window opens, click **Next**.



2. The Choose Destination Location window opens.  
If the default directory is acceptable, click **Next**.  
Otherwise, click **Browse** to select a different directory, then click **Next**.

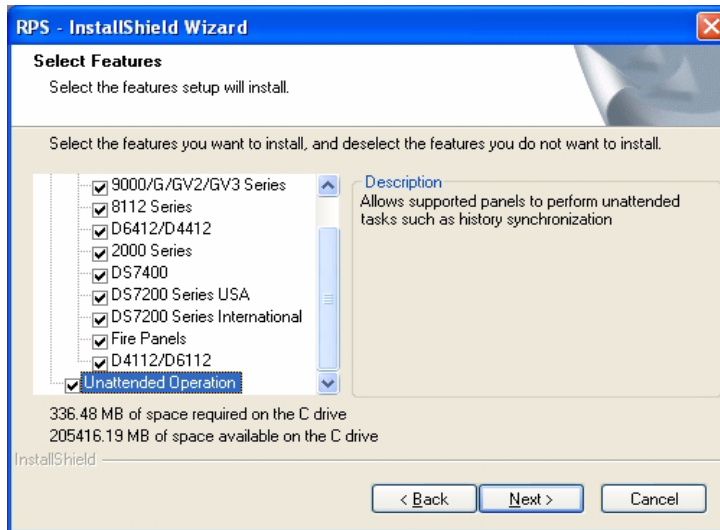


3. The Select Features window opens.  
Select the desired features and control panel types for this RPS installation, then click **Next**.

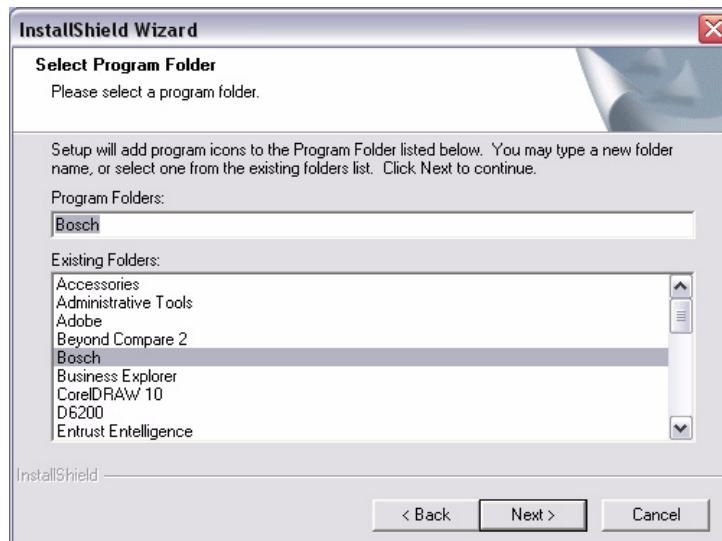


### NOTICE!

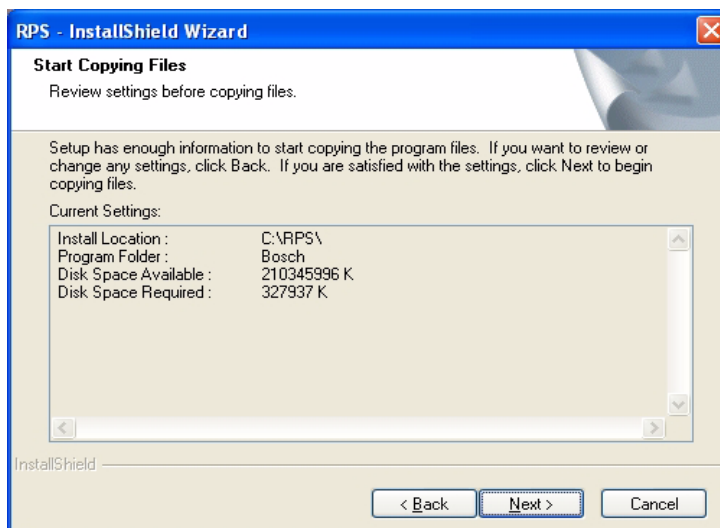
If you wish to install Unattended Service, scroll down in the Features menu until you see **Unattended** and check its box. By default, Unattended Service is not installed.



4. The Select Program Folder window opens. Click **Next**.

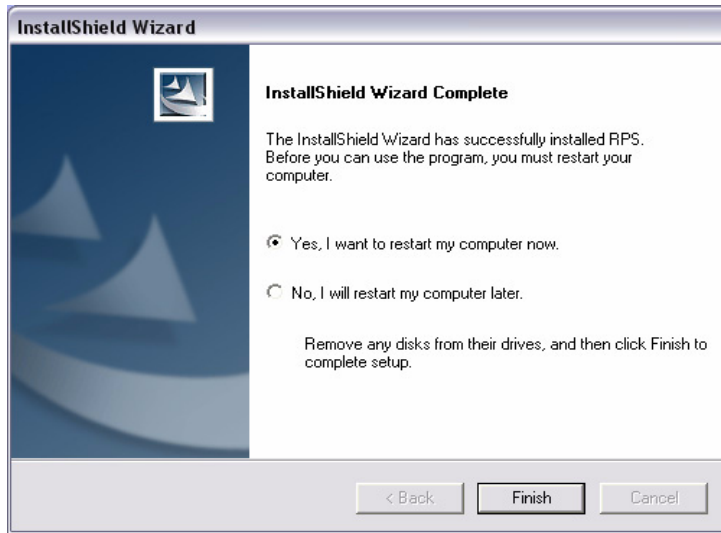


5. The Start Copying Files window opens. Click **Next**.

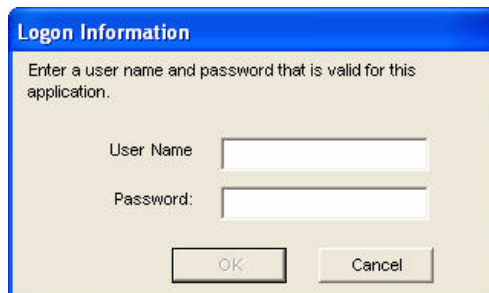


The Setup Status window indicates the installer's progress.

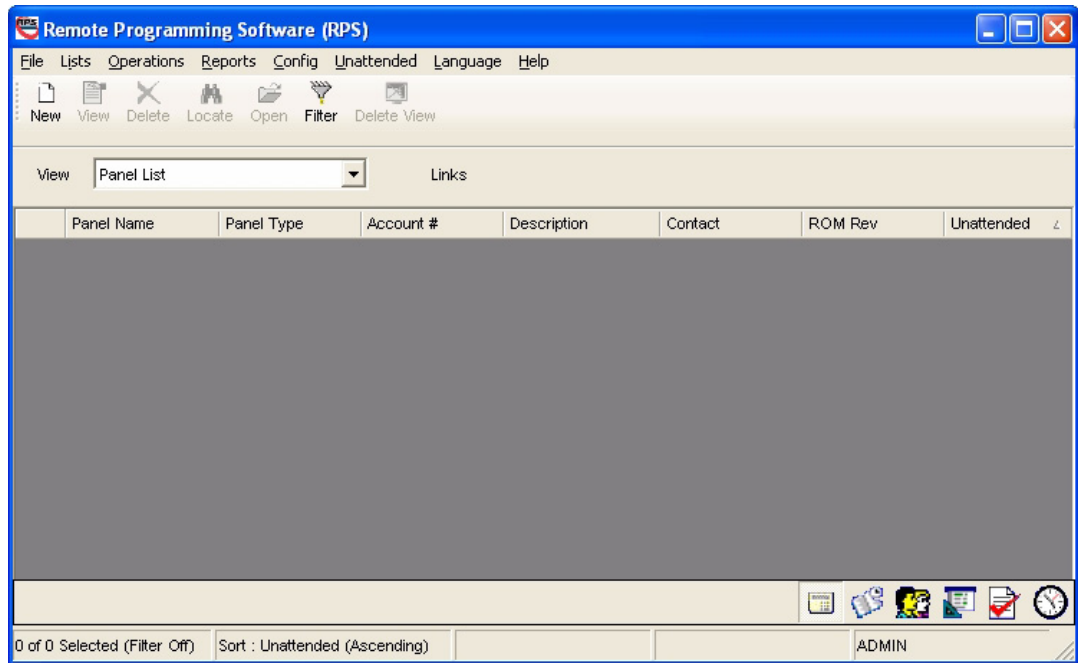
- When the InstallShield Wizard Complete window opens, click **Finish**.  
The computer restarts.



- After logging onto the computer, start RPS by selecting **Start>Bosch>RPS 5.x**, or by double-clicking the **RPS 5.x shortcut** on the computer's desktop.
- In the RPS Logon Information window, enter your RPS user name and password, then click **OK**.
  - The default user name is **admin**
  - The default password is **1111** or **default**



- By default, the Panel List opens. You are now ready to use RPS.  
For information on the RPS user interface, refer to the *RPS Online Help*.



### 4.3 Share the SQL Database

If several networked computers share the SQL database, the first computer requires the RPS upgrade. After that, run RPS on the first computer to upgrade the existing SQL database before installing the new version of RPS on the other networked computers. During the database upgrade, the database files (.dat files) are moved from the shared database folder and merged into the SQL database.

The site's network administrator usually performs the first upgrade. All other users only need to upgrade the RPS application on their local computers.

For more information on the database file integration, refer to *Section 4.4 Integrate the RPS Database Files into the SQL Database, page 47*.

## 4.4 Integrate the RPS Database Files into the SQL Database

### 4.4.1 Automatic Integration

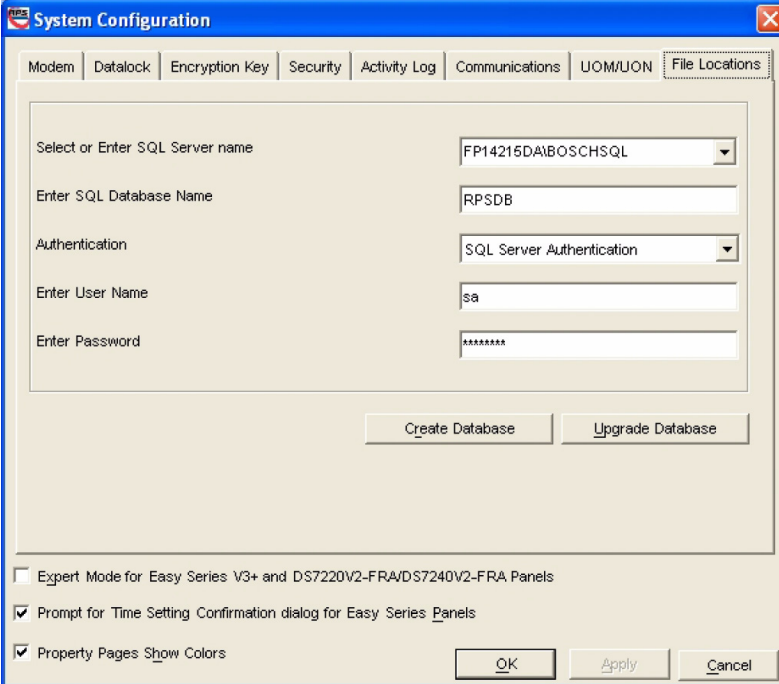
In Versions 5.11 and lower, RPS uses a network drive to share database files (.dat files) among all of the RPS computers. In Versions 5.12 and later, RPS integrates the .dat files into the SQL database. The SQL database is then installed locally on the same computer that RPS is installed on, or it is installed on a network that all of the RPS computers can access. During a new installation of RPS 5.12 or later, or when upgrading to RPS 5.12 or later, the RPS .dat files are automatically integrated into the SQL database.

### 4.4.2 Manual Integration

If the integration of the RPS .dat files into the SQL database fails (for example, a network failure occurs), then the RPS .dat files must be manually integrated into the SQL database. To manually integrate the RPS .dat files into the SQL database:

1. Start RPS.
2. Select **Config>System>File Locations**.

The File Locations tab opens.

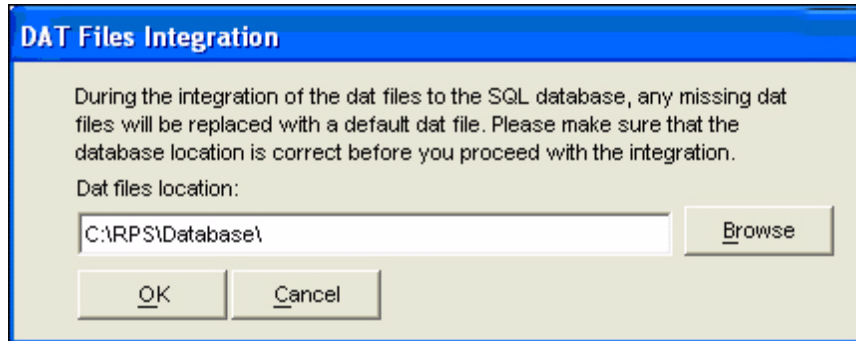


The screenshot shows the 'System Configuration' dialog box with the 'File Locations' tab selected. The dialog has several input fields and buttons. The 'Select or Enter SQL Server name' field contains 'FP14215DA1BOSCHSQL'. The 'Enter SQL Database Name' field contains 'RPSDB'. The 'Authentication' dropdown is set to 'SQL Server Authentication'. The 'Enter User Name' field contains 'sa'. The 'Enter Password' field contains '\*\*\*\*\*'. There are two buttons: 'Create Database' and 'Upgrade Database'. At the bottom, there are three checkboxes: 'Expert Mode for Easy Series V3+ and DS7220V2-FRA/DS7240V2-FRA Panels' (unchecked), 'Prompt for Time Setting Confirmation dialog for Easy Series Panels' (checked), and 'Property Pages Show Colors' (checked). At the bottom right, there are three buttons: 'OK', 'Apply', and 'Cancel'.

3. Click **Upgrade Database**.  
All existing RPS .dat files are copied from their current location to the new SQL database location.

### 4.4.3 Upgrade from RPS 5.11 or Lower

If upgrading from RPS 5.11 or lower, the DAT Files Integration window opens when you click **Upgrade Database** on the File Locations tab.



- If the path shown in the DAT Files Integration window matches the location of the RPS database files, click **OK**.
- If the path shown in the DAT Files Integration window **does not** match the path to where the new SQL database is installed, click **Browse**, and navigate to the location of the new SQL database. Then click **OK**.

All existing RPS .dat files are copied from their current location to the new SQL database location.

### 4.4.4 Create a New Database

If the SQL database fails to upgrade automatically, click **Create Database** on the File Locations tab to merge the existing database with a new database.

### 4.4.5 Conversion Log File

If an RPS .dat file does not exist in the database folder, RPS copies a corresponding default .dat file to the new SQL database location. RPS then creates a **DATFileConversion.log** file in **X:\RPS\Logs** ("X" = the drive letter associated to the drive where RPS is installed).

This log file consists of the following information:

- The date and time that the conversion occurred
- The versions that RPS was upgraded from and to
- The location of the RPS .dat files before the conversion started
- The conversion results

Below is a sample conversion file log:

```
DAT file conversion to SQL Database
Date/Time: 23/07/2009 10:28:37 AM
From RPS version: 5.11.1
To RPS version: 5.12.0

original .dat files location: C:\RPS\Database

Conversion Results:
Total number of account(s): 71
33 account(s) were already converted and copied to the SQL database.
36 account(s) were properly converted and copied to the SQL database.
2 account(s) were replaced by default dat files during the conversion.

The account(s) that were replaced by default data files during the conversion are:
1. v3EasySeries
2. Test7024
```

To view the **DATFileConversion.log** file, click **View Conversion Log** on the DAT File Integration Results window.



## 5 Log into RPS



### NOTICE!

Limit access to RPS to authorized individuals as it contains provisions for setting security passwords. Establish appropriate security levels and set passwords before allowing operating personnel access to RPS.

### 5.1 First Time Log-In



### NOTICE!

Do not log into RPS as the same operator from two different PCs when using a networked database.

To log into RPS:

1. Double-click the RPS shortcut icon that was placed on your desktop during installation. You can also select **Start>All>Programs>Bosch>RPS.x** (or the path you specified during installation).
2. When the Logon Information dialog opens:
  - For the user name, enter "admin".
  - For the password, enter "1111" or "default". The password is not case-sensitive. For example, "password" and "PASSWORD" are identical entries.

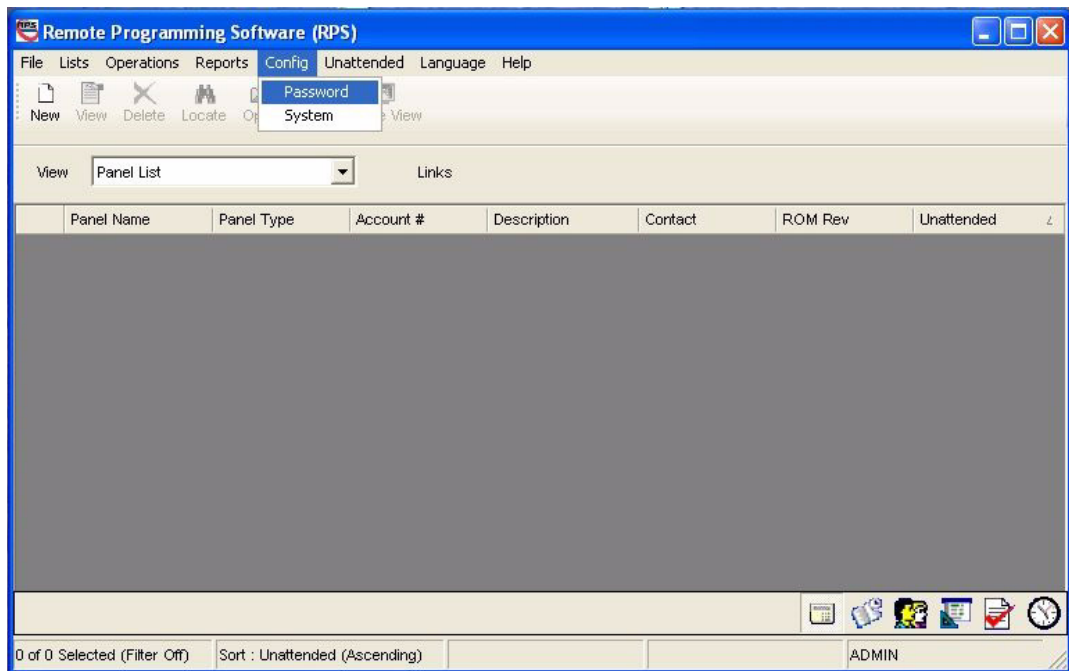


3. Click **OK** to continue.

## 5.2 Change the Password

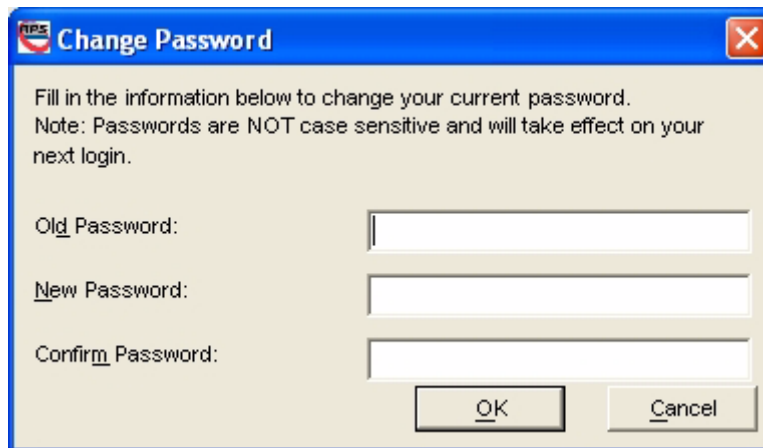
To change the default password:

1. From RPS, select **Config>Password**.



2. When the Change Password dialog opens:
  - a. Enter the old password.
  - b. Enter the new password.
  - c. Enter the new password again.
  - d. Click **OK**.

The new password takes effect the next time you log in.



## 6 Maintenance

### 6.1 Set Security Levels by Panel Type for Networked Users

If your company is using a database on a networked drive and you want to allow users to be able to set security levels for control panels, you must copy the control panel definition files to each workstation on the network. This preserves the security settings you have set for each control panel type on the individual workstations on the network.

**NOTICE!**

If these files are not copied to each workstation, users on other workstations can change data for control panel types that you restricted.

---

Use the following steps to transfer your security settings to other PCs on the network:

1. From RPS, set the security levels for each control panel type on any one PC on the network. Only users with an authority level of 15 can perform this operation. Refer to the RPS General Help in RPS for more information on setting security levels in RPS.

**NOTICE!**

Setting the security levels for a control panel type sets the levels for all accounts for that control panel type (new and existing).

2. Use Windows Explorer to copy the appropriate control panel definition files (peg defs) to each PC on the network after you set the security level for each field in each panel type. To do this, open the RPS directory on the PC where you are currently working. Find the folder labeled **PegDefs**.
3. Use Windows Explorer to copy the PegDefs folder to each of the RPS directories on all workstations running RPS. Use the drag-and-drop feature in Windows to move the PegDefs folder to each PC on the network. Click and hold the PegDefs folder with the right mouse button and drag the folder to the RPS directory on the target workstation PC. Release the right mouse button. A small dialog opens and asks if you want to **Move**, **Copy**, **Create a Shortcut** to the folder or **Cancel**

**NOTICE!**

Ensure that you select **Copy**. Selecting **Move** moves the entire PegDefs folder from the current PC to the workstation PC. Click **Yes** if the **File Already Exists - Do you want to overwrite?** message appears.

**NOTICE!**

Moving the PegDefs folder prevents RPS from working on the current PC. If you accidentally move the PegDefs folder, return it to the RPS directory on the PC, and then recopy it to the workstation.

4. After Windows finishes the copy process, the workstation has the same security settings as the original PC. Repeat Step 3 for each workstation on the network.

**NOTICE!**

If you change the control panel security setting in the future, you must copy the new PegDefs files to each workstation again.

---

## 6.2 Modify, Repair, or Remove RPS

### 6.2.1 Modify RPS



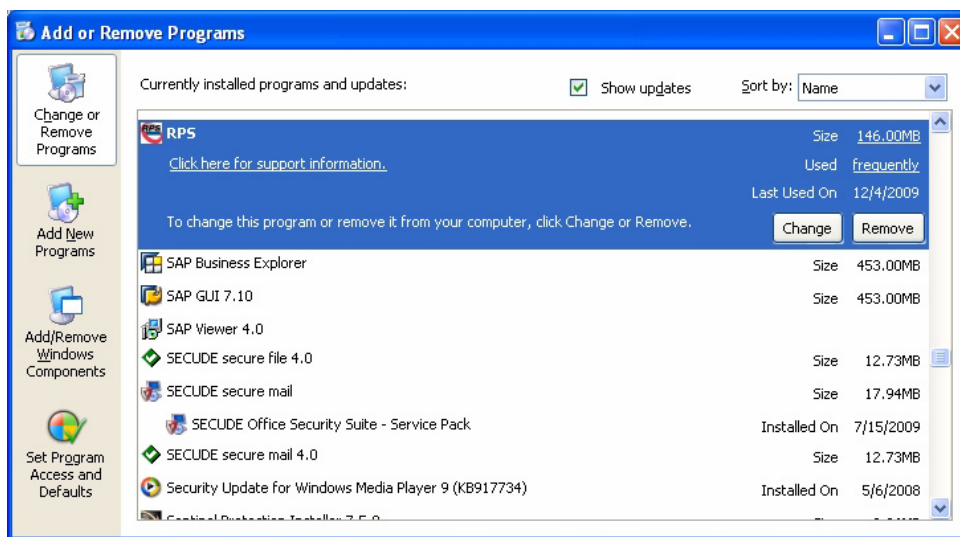
#### NOTICE!

To modify the current RPS installation, you must use the original installation files.

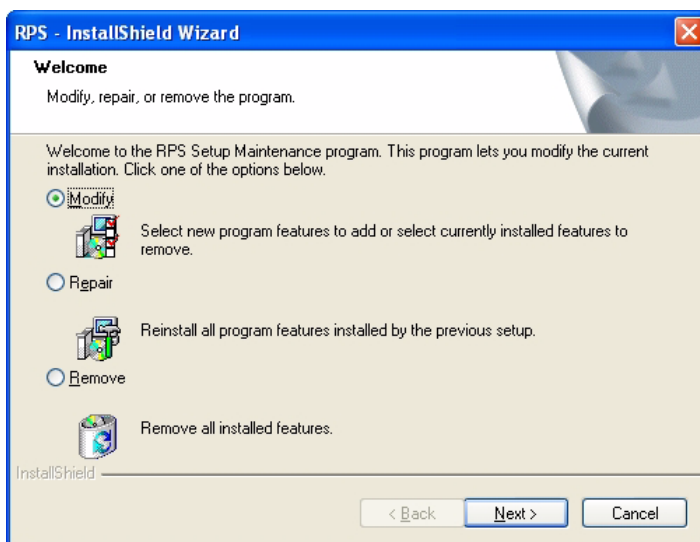
- If RPS was installed from the CD-ROM, you must use the CD-ROM.
- If RPS was installed from a folder containing the installation files, you must use the same folder in the location it resided at when RPS was installed.

To install other features that were not initially installed, such as Unattended Operation, or remove currently installed features:

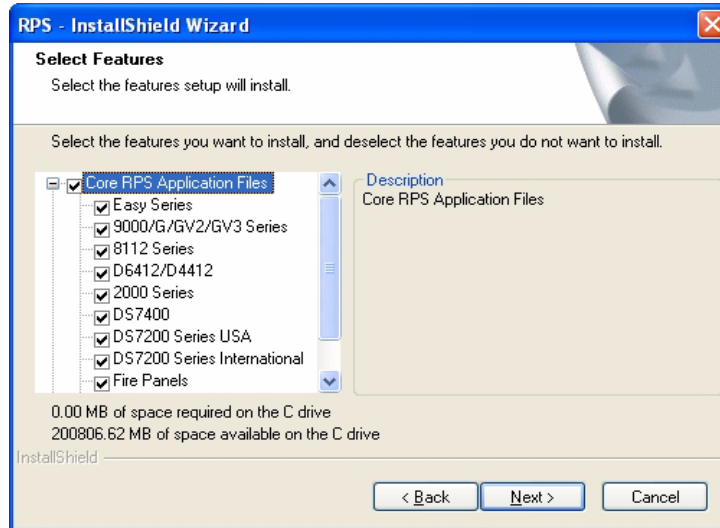
1. Select **Start > Settings > Control Panel > Add/Remove Programs**. The Add/Remove Programs dialog opens.



2. Scroll down the list until you see RPS. Click **RPS** to select it.
3. Click **Change**. The RPS Setup Maintenance dialog opens.



4. Click **Modify**, and then click **Next**. The Select Features dialog opens.



5. Select the checkboxes for the features you want to install, or clear the checkboxes for the features you want to remove.
6. Click Next. The selected features are either installed or uninstalled as selected.
7. When the Install Complete dialog opens, click **Finish** to end the RPS Setup Maintenance process.

## 6.2.2

### Repair RPS



#### NOTICE!

To repair the current RPS installation, you must use the original installation files.

- If RPS was installed from the CD-ROM, you must use the CD-ROM.
- If RPS was installed from a folder containing the installation files, you must use the same folder in the location it resided at when RPS was installed.

To reinstall all of the program features installed during the previous setup:

1. Select **Start > Settings > Control Panel > Add/Remove Programs**. The Add/Remove Programs dialog opens.
2. Scroll down the list until you see **RPS**. Click **RPS** to select it.
3. Click **Change/Remove**. The RPS Setup Maintenance dialog opens.
4. Click **Repair**, and then click **Next**. A progress indicator dialog opens. When the repair is complete, the Install Complete dialog opens.
5. Click **Finish** to end the RPS Setup Maintenance process.

## 6.2.3

### Known Issues

Uninstalling on a Windows XP x64 SP2 Computer:

If you uninstall RPS 5.13 or later from a computer running Windows XP x64 SP2, you may receive the Error 1905 message: **C:\WINDOWS\SysWOW64\MSVBVM50.dll failed to unregister. HRESULT\_2147220472. Contact your support personnel.**

This is a known Windows issue. Click OK to acknowledge the error and continue uninstalling RPS.

## 6.2.4 Remove RPS

---



### NOTICE!

Only remove RPS if you do not intend on using RPS in the future.

If you are using an unreleased version of RPS, such as an alpha or beta version, you must uninstall (remove) RPS before installing a released version.

---

To remove RPS and all of its features:

1. Select Start > Settings > Control Panel > Add/Remove Programs. The Add/Remove Programs dialog opens.
2. Scroll down the list until you see **RPS**. Click **RPS** to select it.
3. Click **Change/Remove**. The RPS Setup Maintenance dialog opens.
4. Click **Remove**, and then click **Next**.
5. When the Confirm Uninstall dialog opens, click **Yes**. A progress dialog opens.
6. When the removal process is complete, restart the PC.

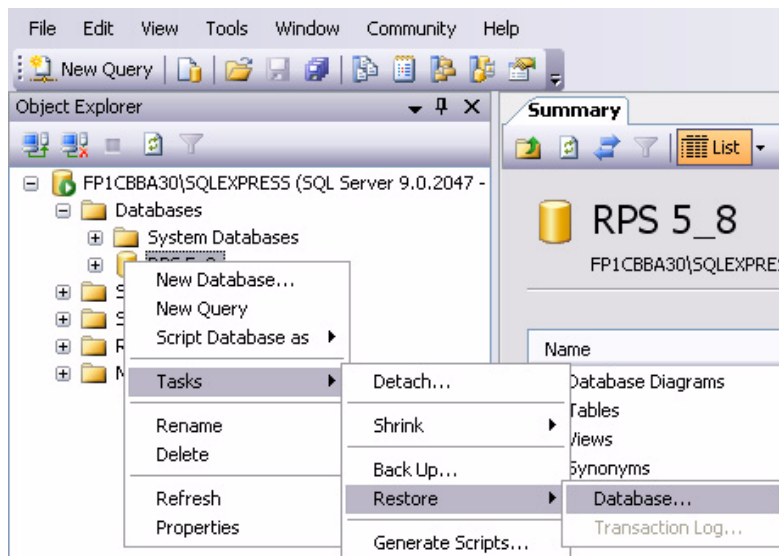
## 6.3 Revert to Previous RPS Installation After SQL Upgrade

### 6.3.1 Revert to a Previous SQL Database

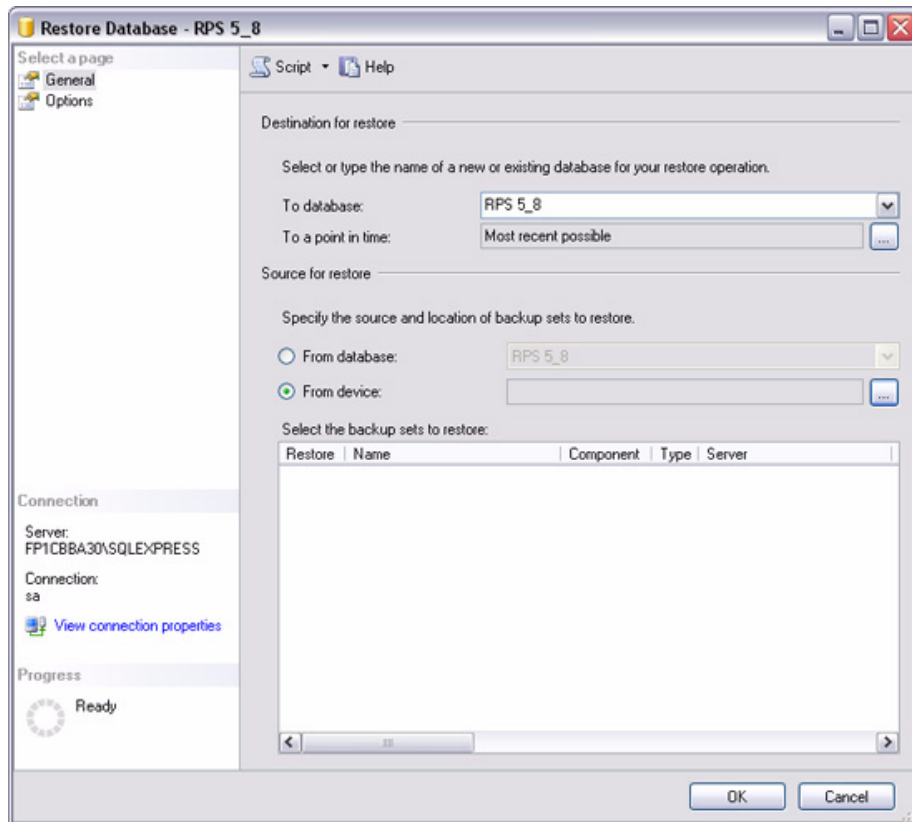
**NOTICE!**

The following procedure assumes that you used SQL Management Studio to back up the previous SQL database (creating a .bak file), and that the Database directory containing the .dat files was also backed up.

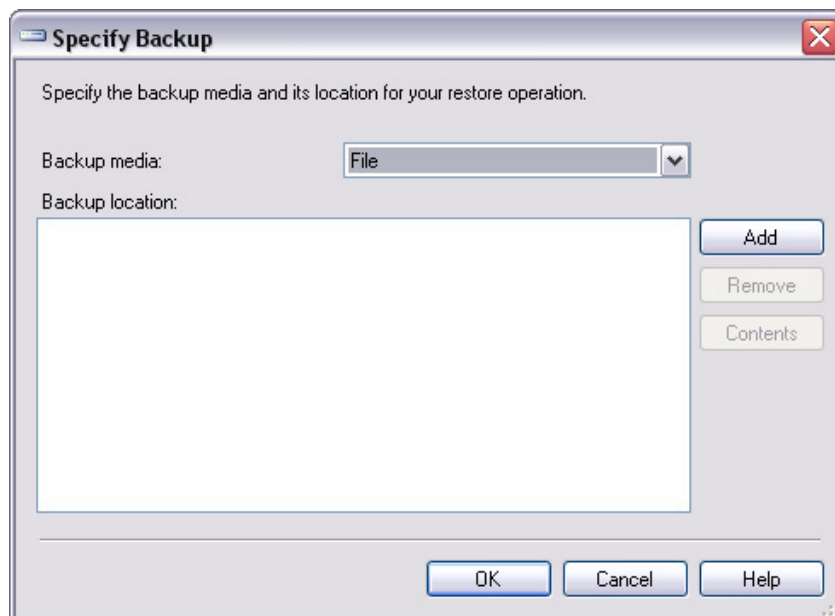
1. Select **Control Panel > Add or Remove Programs**, then uninstall the existing RPS installation.
2. Restart the PC.
3. Ensure that the backed up database is not inside the RPS directory, then delete the RPS directory.
4. Open **SQL Server Management Studio** or **SQL Server Management Studio Express**.
5. Right-click on the RPS database, then select **Tasks > Restore > Database....**



6. The **Restore Database** dialog opens. Under **Source for restore**, select **From device**, then click ....

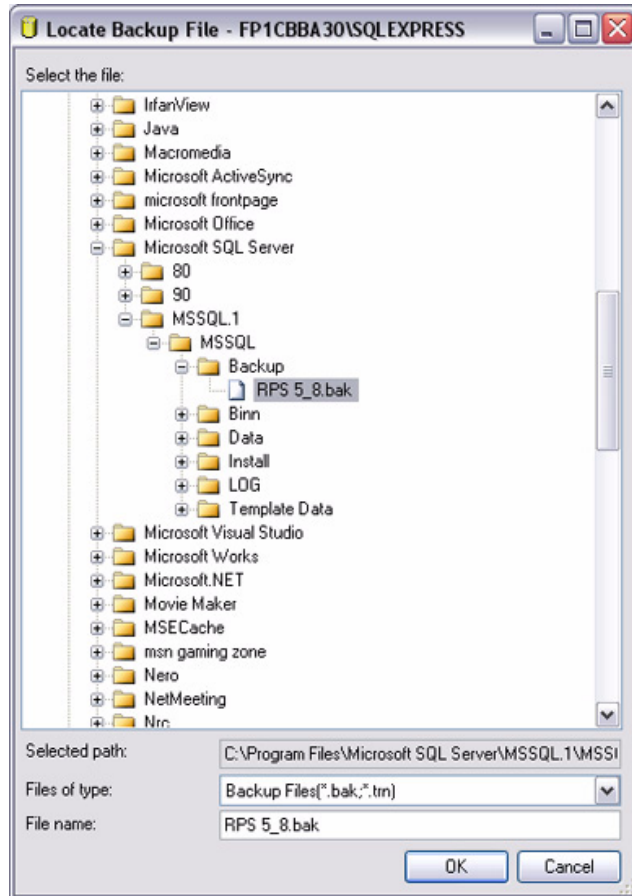


7. When the **Specify Backup** dialog opens, click **Add**.

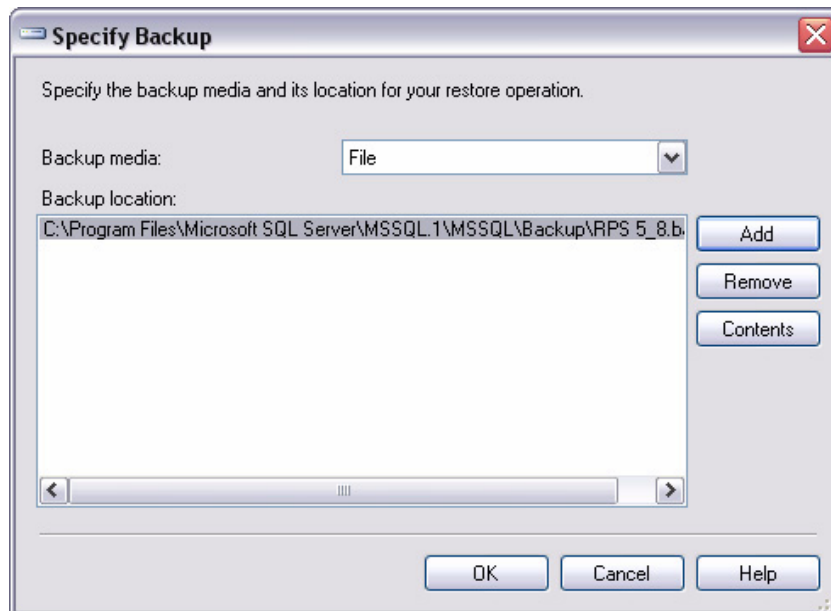


8. In the directory containing the SQL installation, select the **.bak** file, then click **OK**.

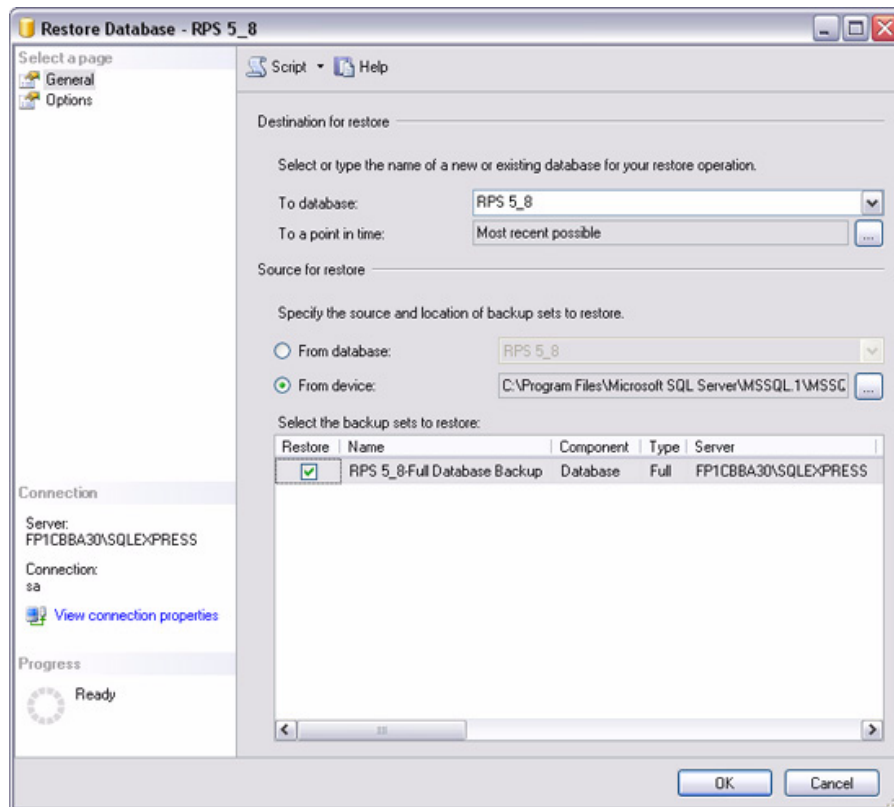




9. When the **Specify Backup** dialog identifies the Backup location, click **OK**.



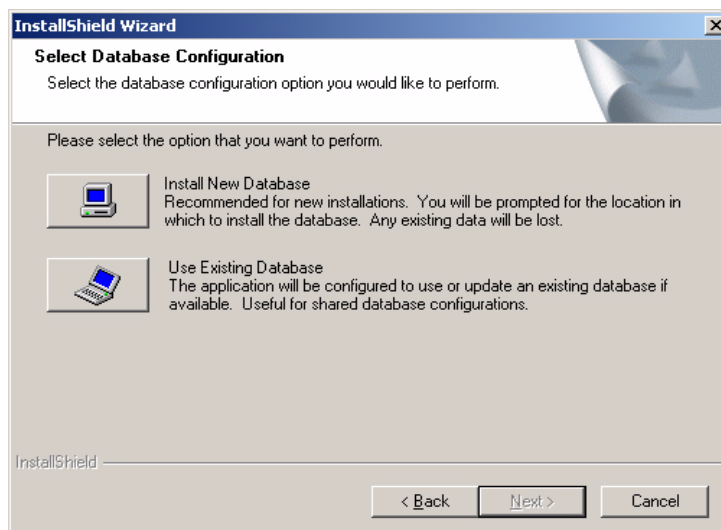
10. Under **Select the backup sets to restore**, click the checkbox under **Restore**, then click **OK**.



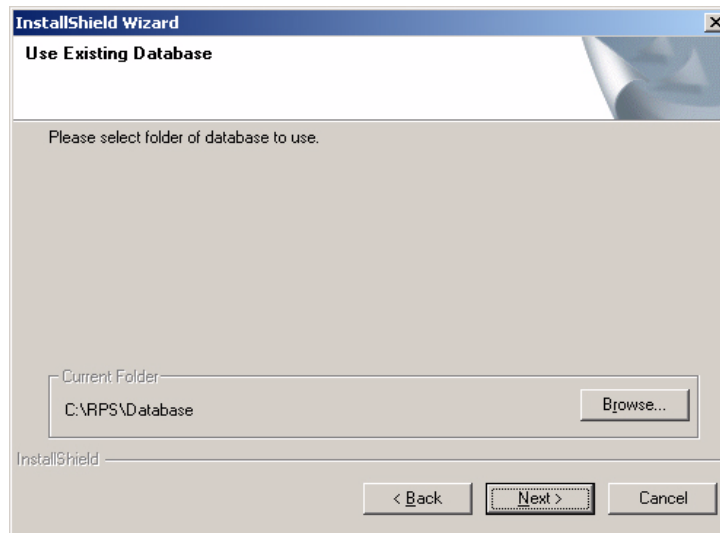
11. The database restores successfully. Click **OK**.



12. Install the earlier version of RPS. During the installation process, when you reach the **Select Database Configuration** dialog, click **Use Existing Database**, then click **Next**.



13. When the Use Existing Database dialog opens, click **Browse** and specify the location of the Access database.



14. Finish the installation by following the instructions on the screen.

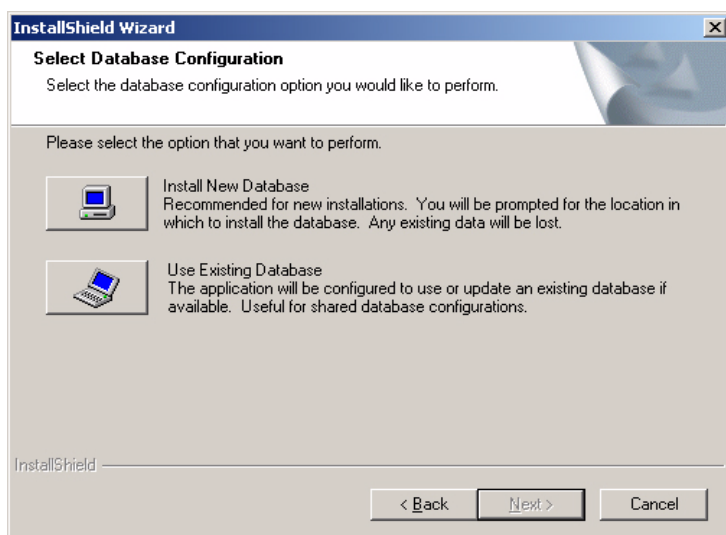
## 6.3.2 Revert to a Microsoft Access Database



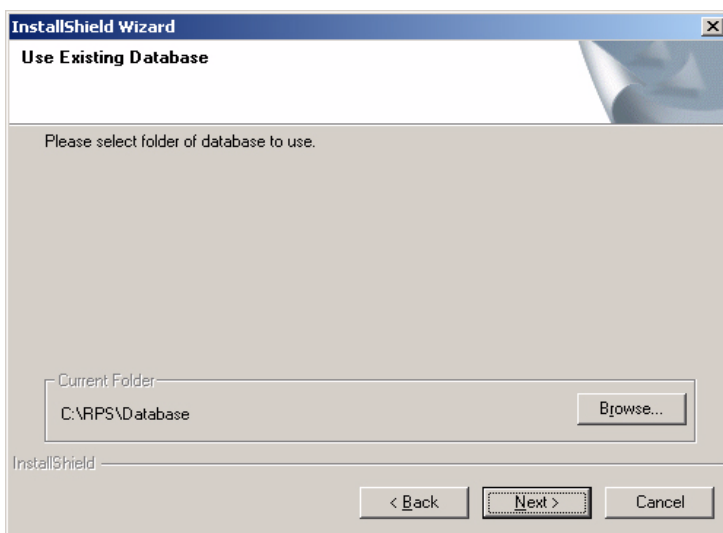
### NOTICE!

The following procedure assumes that the Microsoft Access database from the previous installation was backed up, and that this Access database is already copied to the desired directory.

1. Select **Control Panel > Add or Remove Programs**, then uninstall the existing RPS installation.
2. Restart the PC.
3. Ensure that the backed-up database is not inside the RPS directory, then delete the RPS directory
4. Install the earlier version of RPS. During the installation process, when you reach the Select Database Configuration dialog, click **Use Existing Database**, then click **Next**.



5. When the Use Existing Database dialog opens, click Browse and specify the location of the Access database.



6. Finish the installation by following the instructions on the screen.

## 6.4 Recover Old Database Files



### NOTICE!

You cannot point RPS to a database created in an older version of RPS. Doing so either produces errors, or it corrupts the database.

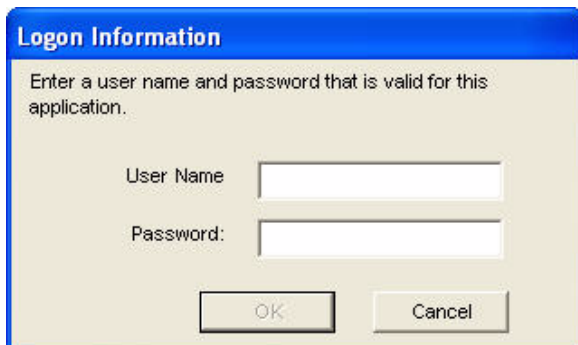
To recover control panel accounts that were not exported before installing the new version of RPS:

1. Uninstall the new version of RPS. Refer to *Section 6.2.4 Remove RPS* on page 54.
2. Reinstall the old version of RPS (version 5.11 or earlier).
3. When the installation asks if you want to install a new database, click **Yes**.
4. When the installation is complete, restart your PC and then start RPS.
5. Select **Config > System > File Locations**.
6. Select the database file, and click **Modify**.
7. When the Modify Location dialog opens, browse to the folder named "database.000" in the RPS directory. This is the folder where your old accounts were placed when you first upgraded RPS.
8. Click **OK** and exit RPS.
9. Restart RPS.
10. Verify that your accounts appear in the Panel List.
11. Export your accounts. Refer to Export in the RPS General Help File for more information.
12. Remove the old version of RPS, and then reinstall the new version.
13. Import your old accounts into the new version of RPS. Refer to Import in the RPS General Help File for more information.
14. Verify that your old accounts now appear in the Panel List.

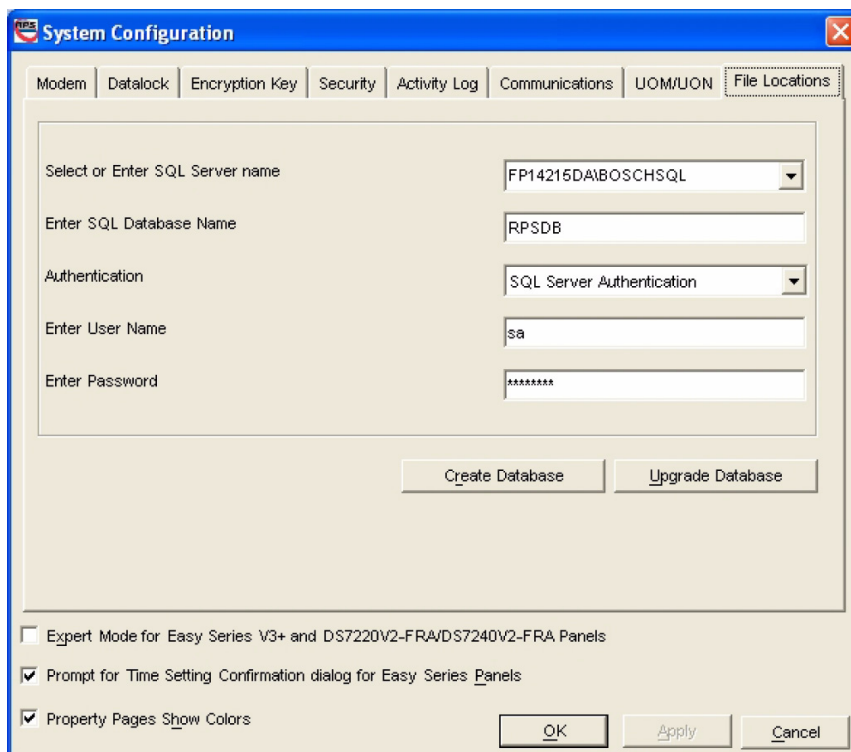
## 6.5 Switch from a Client to a Network Installation

It can be advantageous to place your RPS database files on a network drive so that many workstations can access a single database.

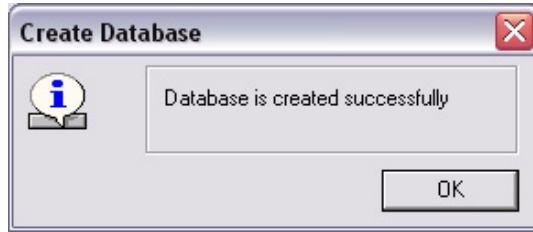
1. Start RPS, and log on when the RPS Logon Information dialog opens.



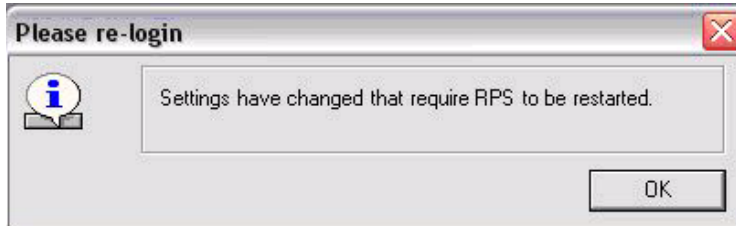
2. Select **Config > System**.  
The System Configuration dialog opens.
3. Select the **File Locations** tab.
4. In the **Select or Enter SQL Server name** field, select the name of the network SQL Server.



- If the SQL Server database already exists, enter the **SQL Server Name**, **SQL Database Name**, **User Name**, and **Password**, then click **OK**
- If the SQL Server database does not already exist, enter the **SQL Server Name** and the desired **SQL Database Name**, **User Name** and **Password** for the database, then click **Create Database**. When the **Database Created Successfully** dialog opens, click **OK**.



5. The Please re-login dialog opens. Click **OK** to restart RPS.



When the database is shared on a network drive, two or more operators can access a single account. When an operator attempts to access an account that is already open by another operator (for example, one that has a different user name), a Panel Already Open dialog appears, indicating that the account is already opened for editing by another operator (the operator's log-in name displays in the message box). The operator opening a second instance of the database can view the contents of the account, but cannot edit any of the information in the account.

**NOTICE!**

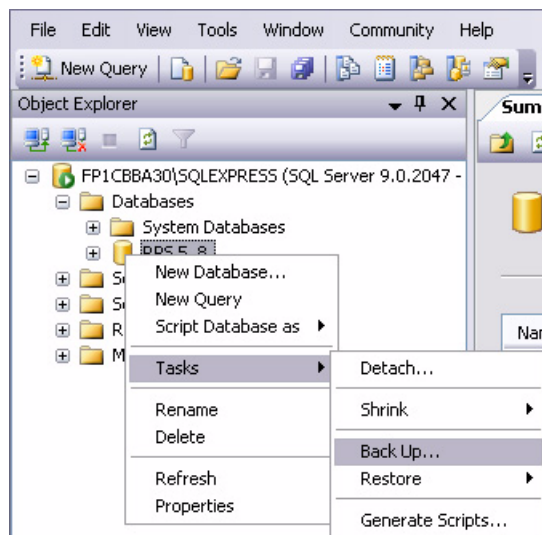
If an operator logs on to two different terminals with the same user name and accesses the same account from both terminals, RPS prompts the operator at the second terminal to either override the lock and allow edits, or open the account in View Only mode. Do not log on to RPS using the same user name on multiple PCs.

## 6.6 Back Up the SQL or SQL Express Database

1. From the PC's **Start > Programs** menu, select Microsoft SQL Management Studio or Microsoft SQL Management Studio Express.
2. When the **Connect to Server** dialog opens, click **Connect**.

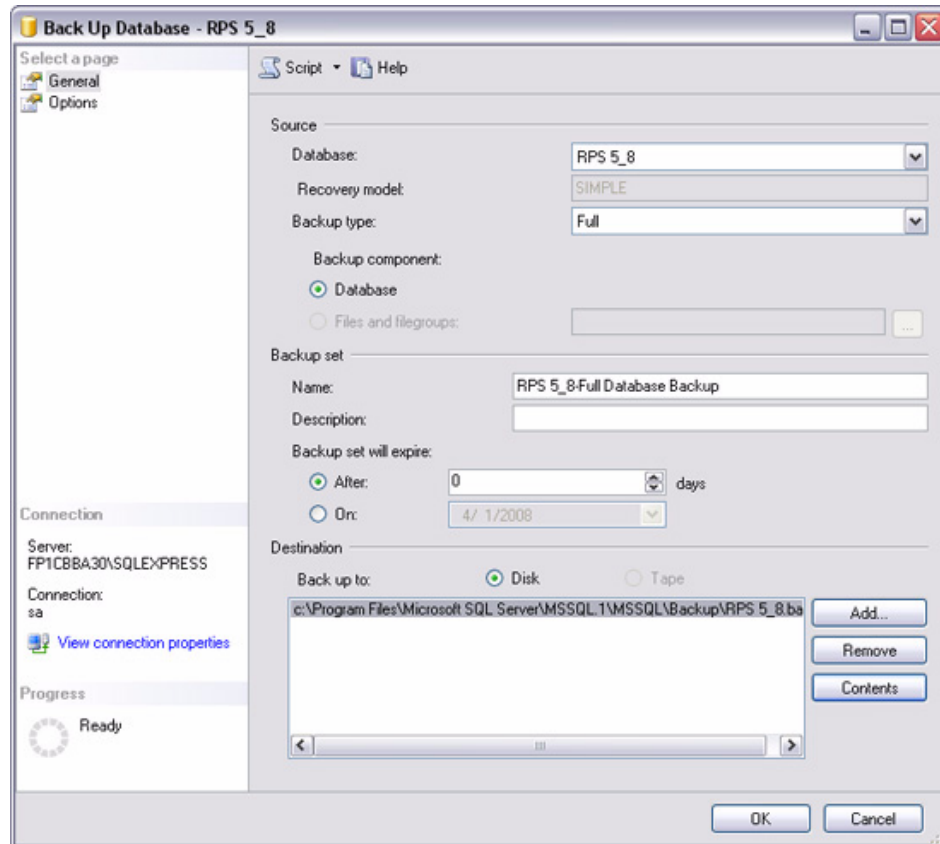


3. Right-click the RPS database, then select **Tasks > Back Up...**



4. When the **Back Up Database** dialog opens, click **OK**.





- When the **Backup Completed Successfully** dialog opens, click **OK**.



## 6.7 Install SQL Server Management Studio Express

### NOTICE!

Networking protocols are disabled by default in SQL Server Express. If someone simply installs SQL Server Express and chooses all the defaults, SQL Server Express can only have connections originating on the local machine where SQL Server is installed. To enable SQL Server Express to accept remote connections, configure SQL Server Express to listen on TCP/IP:



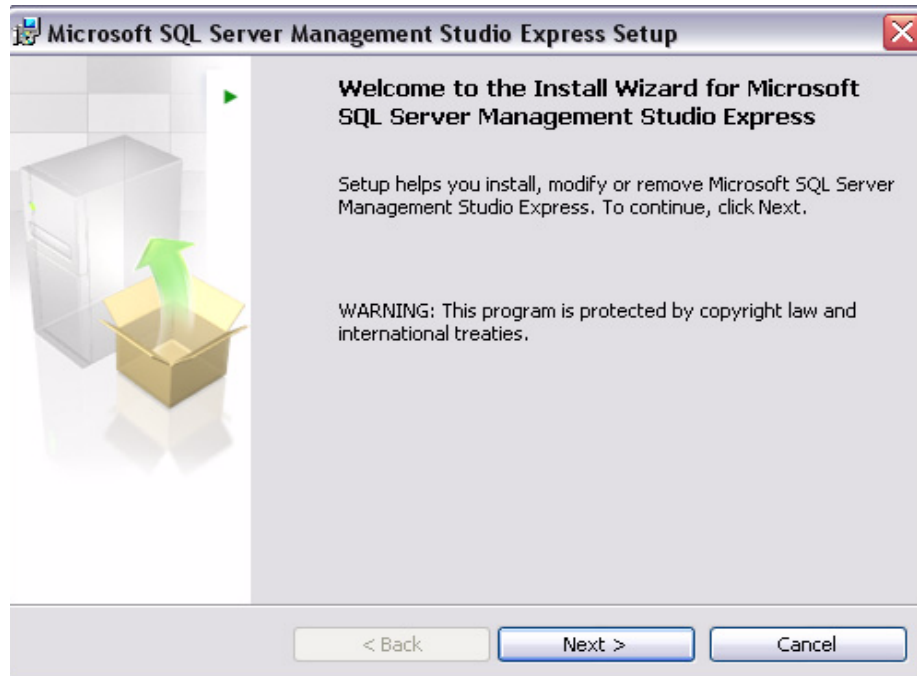
- Launch the **SQL Server Configuration Manager** from the **Microsoft SQL Server 2005** program menu.
- Click the **Protocols for SQLEXPRESS** node.
- Right-click **TCP/IP** in the list of protocols, then select **Enable**.
- In the SQL Server Configuration Manager, click the **SQL Server 2005 Services** node.
- Right-click **SQL Server Browser** and select **Properties**.
- Select the Service tab, and set Start Mode to **Automatic**.
- Click **Apply**. The **Start** button is now active.
- Click **Start** to start the SQL Server Browser.

**NOTICE!**

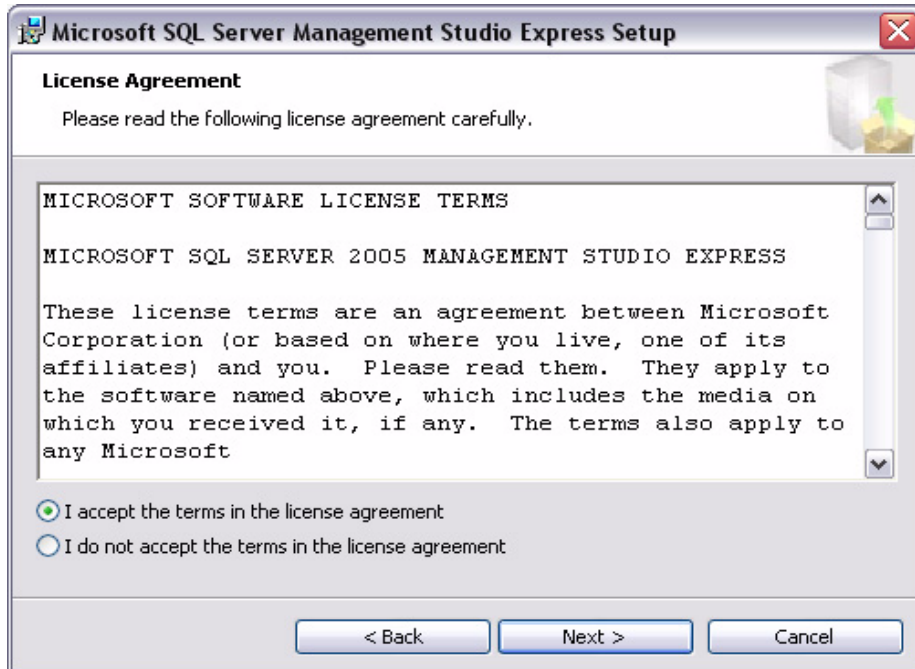
Microsoft SQL Server Management Studio Express (SSMSE):

In most cases, it is not necessary to install SSMSE. However, if needed, a copy of SSMSE is included on the RPS CD-ROM. Both a 32-bit version and 64-bit version of SSMSE is provided on the RPS CD-ROM.

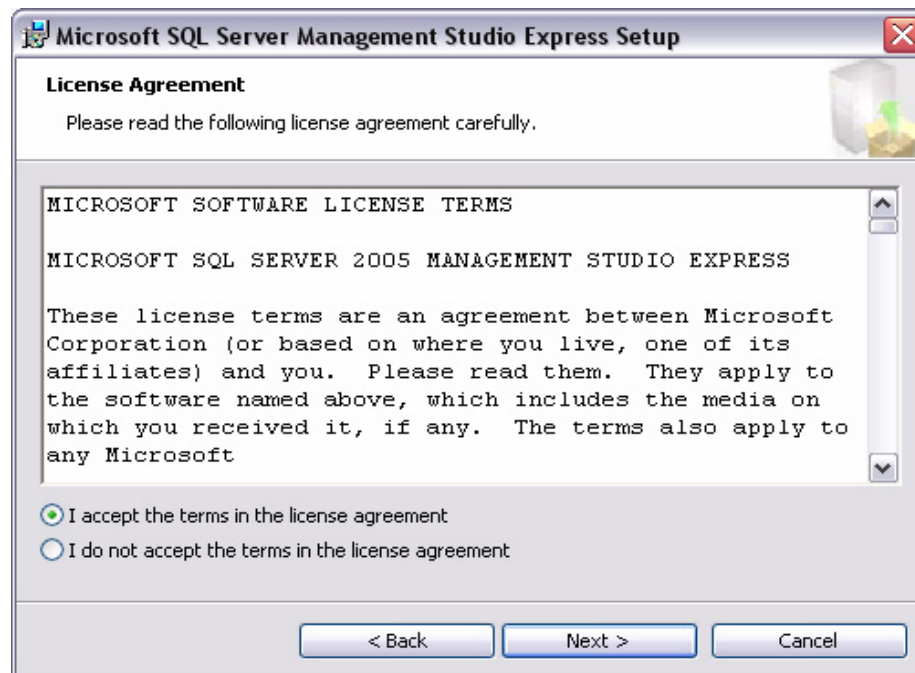
1. On the RPS CD-ROM, open the **SQL Express Management Studio Installation Files** folder, and double-click the **SQLServer2005\_SSMSEE.msi** file.
2. The SQL Server Management Studio Express Setup window opens.  
Click **Next**.



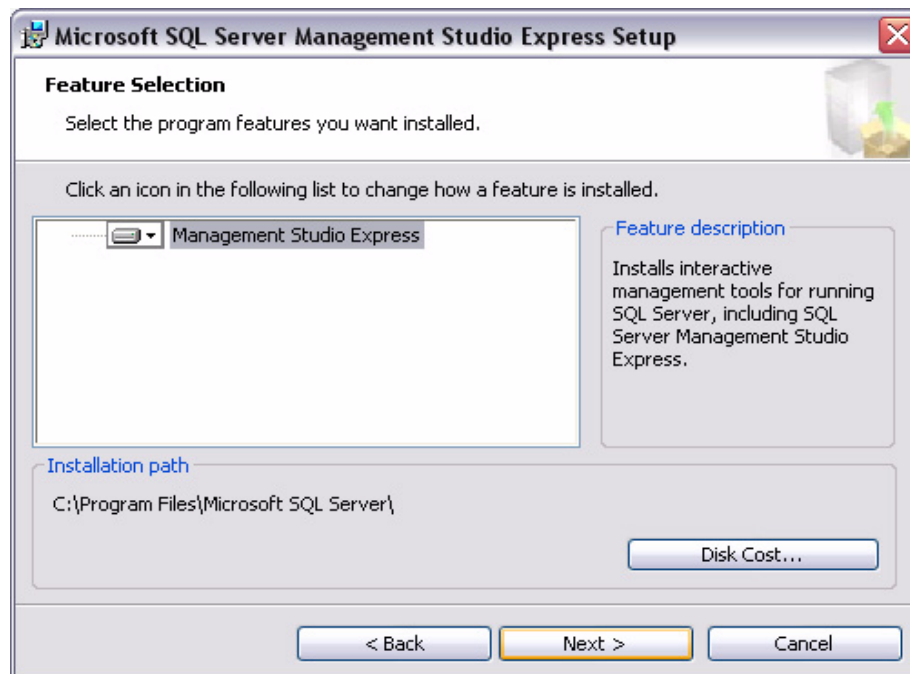
3. The License Agreement window opens.  
Select **I accept the terms in the license agreement**, then click **Next**.



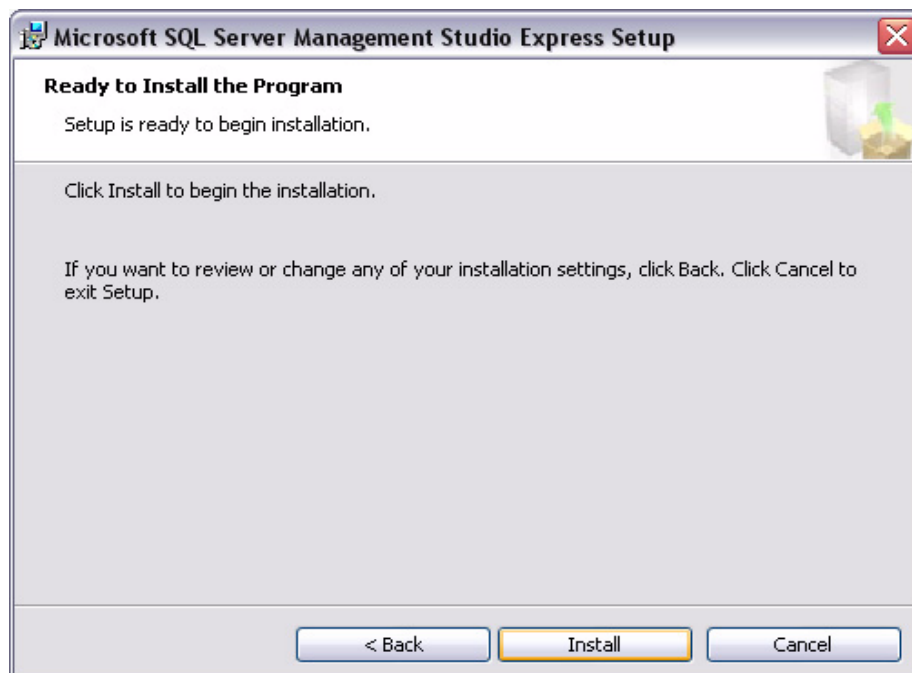
- 4. The Registration Information window opens.  
Click **Next**.



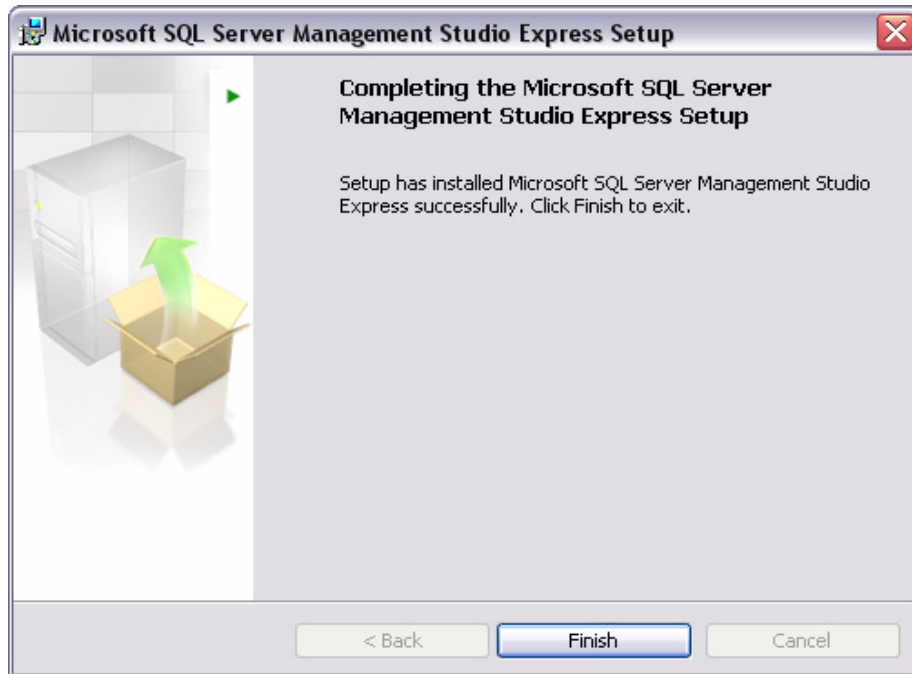
- 5. The Feature Selection window opens.  
Click **Next**.



6. The Ready to Install the Program window opens.  
Click **Install**.



7. When the installation finishes, click **Finish**.



## 7 RPS Operation and Control Panel Account Notes

### 7.1 RPS Notes

#### 7.1.1 Installation and Administration

When using the RAM II Exporter, use the Exporter R2X\_V004.exe file. Do not use any other Ram2expt files

#### 7.1.2 General Operation

If your PC runs Windows XP Service Pack 2 or later and you use Windows Firewall, you must grant permission to RPS so it can conduct network communication with control panels:

1. Select **Start > Control Panel**.
  - If the PC's Control Panel is set to Category View, select **Control Panel Security > Center**. Under "Manage security settings for:", click **Windows Firewall**. Go to Step 2.
  - If the PC's Control Panel is set to Classic View, select **Control Panel Windows > Firewall**. Go to Step 2.
2. Select the Exceptions tab.
3. Click **Add Port...**
4. In the Name field, enter the name of the port. For example, "RPS\_Port."
5. In the Port Number field, enter the port number assigned to your network interface module. For example, if your network interface module uses Port 7700, enter "7700."
6. Click **UDP**.
7. Click **OK**.
8. Click **OK** again.
9. Test the connection from within RPS once RPS is installed.

#### 7.1.3 Modems

- Some versions of the 3COM PCMCIA Etherlink III LAN +33.6 Notebook Modem do not work properly with RPS. Refer to *Modem Compatibility List* in the control panel's help file for compatible modems.
- Newer versions of the BestData V.90 model SPX-2 Modem are not compatible with RPS. Refer to *Modem Compatibility List* in the control panel's help file for compatible modems.
- There are compatibility issues between RPS and the Hayes 1200 Smartmodem version 1.6. Do not use this modem with RPS. Refer to *Modem Compatibility List* in the control panel's help file for compatible modems.

## 7.2 Control Panel Account Notes

### 7.2.1 2000 Series

RAM II Exporter version 004 does not import account notes and zone notes. The fields for these notes are empty in RPS.

### 7.2.2 D6412/D4412 and DS7240/DS7220

- **Changing an RF ID:** RPS allows you to change the RF ID for a location without resetting the learned characteristics for the transmitter. For example, the control panel supervises an RF3401 (RF3401E) Point Transmitter. The control panel learned that both the reed switch or magnet, and the sensor loop, are in use. The magnet must be in place and the sensor loop must be normal for the transmitter to be normal (not faulted). If you enter an ID for a new transmitter at this location, the control panel expects to see both the reed switch and the sensor loop normal before the zone state is declared normal. To only use the reed switch (or only the sensor loop), remove the ID for the location at a keypad by using the Installer RF Menu. Refer to the control panel's documentation for instructions.
- **Parameters Changed Report:** If changes are made to the control panel's programming using RPS and the remote programming session ends with the **Reset Panel** box checked, the control panel does not send a Parameters Changed report. If the session ends and the **Reset Panel** box is not checked, the control panel sends the Parameters Changed report.
- **Miscellaneous System Trouble Options:** The Enable AC Fail Trouble Tone and Enable Ground Fault Display and Trouble Tone options, located in the Miscellaneous category in RPS, are only available on control panels with firmware version 1.04 or greater.
- **Output Function Types:** If Output Function Types 1,8 to 1,13 and 2,11 are assigned to an output, you should not be able to turn the output on or off or toggle it in RPS; however, the control panel does not force some of these restrictions when using RPS.
- **Bypassing Unbypassable Zones in RPS:** Some zones that are not bypassable at the control panel might be bypassable in RPS.
- **Unbypassing a zone from RPS does not reactivate Zone:** Unbypassing a zone from RPS does not return the zone to active status, allowing it to generate an alarm response if violated. To return the zone to active status from RPS:
  - Disarm the area in which the zone is assigned.
  - Unbypass the zone.
  - Rearm the area.
- **Arming States in Diagnostics:** The control panel does not allow RPS to change arming states to a lower state without first disarming the control panel. For example, if the control panel is All On, you cannot switch to Perimeter Only until you disarm the control panel and rearm Perimeter Only. You can switch to a higher arming state (Perimeter Only to All On) without first disarming the control panel.
- **Callback:** Initiate callback immediately to ensure proper callback operation. Click Yes at the prompt to make RPS automatically detect the phone ring. This feature might not work with certain modems.
- **RF Jam Detect not shown in Diagnostics:** RPS does not indicate if the RF receivers are jammed in Diagnostics. RF Receiver status is shown as either "Off Normal" or "Missing." No other trouble conditions appear.
- **Non-traditional Alphabetical Characters Not Supported by RPS (DS7240-SWE, DS7240-NOR only):** Characters that are not part of the Swedish or Norwegian alphabet, but are supported by the control panel, cannot be entered into RPS. These characters do not appear if they are sent to RPS from the control panel.

- **Tamper conditions not bypassable (DS7240-UK only):** Bypassing a zone from RPS only bypasses the alarm condition. Tamper conditions cannot be bypassed.
- **Remote Programming Lockout (DS7240-UK and DS7200V2-UK only):** After three invalid attempts to connect to the control panel from RPS, the control panel locks out any remote programming sessions for 4 h. Remote programming through the direct connect method is still available.
- **SRT Modems (DS7240-NOR only):** The SRT MiniBox and SRT ProBox 33.6 modems do not work with the DS7240-NOR control panel even though they appear in the System Config Modem tab.

### 7.2.3

#### D7024 and DS9400

- **Firmware Revision:** To program the FACP using RPS, the FACP must have firmware version 2.02 or later installed.
- **Firmware 2.04 Defaults:** The default account values are intended for firmware 2.04. A "Panel out of Sync" message appears if you connect to a control panel with firmware version 2.03 or lower.
- **False Values/Blank Results Appear in Compare Window:** If a four-zone expander is not installed and "Receive Panel Data" is selected from the Panel Sync dialog, some of the values for Zones 5 to 8 might not be retrieved correctly. If a four-zone expander is installed, the values for Input Points 5 to 8 are retrieved correctly.
- **Gentex RNAC Option:** The Gentex NAC output configuration is a valid NAC option on control panels with firmware version 2.04 or later. If Gentex is selected and sent to a control panel with firmware version 2.03 or lower, the NAC response is set to Steady.
- **Remote Program Enabled:** If "Remote Program Enabled" is set to No, RPS still allows you to receive data from the control panel; however, for security reasons, you cannot view any of the PINs or change any program information.
- **"Panel out of Sync" Message with Defaulted DS9400M and RPS:** The RPS default for MUX Bus Type is "Not Installed," whereas the DS9400M's default is "Installed."

### 7.2.4

#### D8112

- **Panel Sync Window:** D8112 Series Control Panels always show a Panel Sync dialog even if the data in RPS matches the data in the control panel.
- **Importing Zone Notes from a RAM II Account (D8112G, G1, G2):** Zone notes entered for Zones 100+ do not appear with their appropriate zone when imported into RPS. Zone notes must be manually entered into RPS. This is because RAM II does not account for Master Zones in the Zones table.

### 7.2.5

#### D9112B1, D7212B1

- **Panel Sync Window Appears with Defaulted Panel and Account (D7212B1 only):** The Panel Sync dialog should only appear when there are programming differences between the control panel and the RPS account; however, it might appear if you connect to a defaulted control panel with a defaulted RPS account. Comparing the defaulted control panel and RPS account yields no default differences.
- **ZOOM 2949 56Kx Zoom Fax Modem Answer Ring Setting:** Set the control panel's answer ring count to answer on less than eight rings when using the ZOOM 2949 56Kx Zoom Fax Modem (version 34X).
- **Message Limitation (Keypad Tab):** Even though you can send messages to each keypad's (command center) address, only one message can be performed at a time.



## 7.2.6

### DS7400XiV4-EXP

- Phone Number Fields Also Apply to IP Addresses: The phone number fields in **Phone Control** and **Partitions > Account Code** also support IP addresses if you are communicating over an Ethernet network.
- **Resetting the Control Panel from RPS Clears Date and Time Settings:** If you click the Reset Panel checkbox on the End Session dialog, RPS clears the control panel's date and time settings. You cannot retrieve current history events if these settings are cleared. You must retrieve all of the control panel's history log entries.
- **If you cannot connect to a DS7400XiV4-EXP using a Hayes 2400 Modem, use the following initialization (init) string:** AT&C1&D2X0&Q0S9=1S7=255S10=254.

# Index

## Numerics

2000 Series  
Control Panel Notes 71

## A

Administration  
Installation and Administration Notes 70  
Applicable Laws  
Software License Agreement 6

Authentication  
SQL 27  
Windows 27

## B

Back Up the SQL or SQL Express Database 64

## C

Client  
Switch from a Client to a Network Installation 62

Contract  
Software License Agreement 7

Control Panel  
DS7400XiV4-EXP Notes 73

Control Panels  
2000 Series Notes 71  
D6412/D4412 Notes 71  
D7024 Notes 72  
D7212B1 Notes 72  
D8112 Notes 72  
D9112B1 Notes 72  
DS7240/DS7220 Notes 71  
DS9400 Notes 72

Conversion File Log 48

## D

D6412/D4412  
Control Panel Notes 71  
D7024  
Control Panel Notes 72  
D7212B1  
Control Panel Notes 72  
D8112  
Control Panel Notes 72  
D9112B1  
Control Panel Notes 72

## Database

Automatic Integration of the RPS Database Files into the SQL Database 47  
Back Up the SQL or SQL Express Database 64  
Conversion File Log 48  
Create a New Database 48  
Create new RPS Database 27  
Install RPS with a Local SQL Database 12  
Install RPS with a Network SQL Database 20  
Manual Integration of the RPS Database Files into the SQL Database 47  
Prepare the Upgrade for a Network SQL Database 41  
Recover Old Database Files 61  
Revert to a Microsoft Access Database 60  
Revert to a Previous SQL Database 55  
Select existing RPS Database 27  
Share SQL Database option 29  
Share the SQL Database 46  
Upgrade RPS with a Microsoft Access Database 39  
Upgrade RPS with a SQL Database 34  
Upgrading from RPS 5.11 or lower 48

DATFileConversion.log 48

DS7240/DS7220  
Control Panel Notes 71

DS7400XiV4-EXP  
Control Panel Notes 73

DS9400  
Control Panel Notes 72

## E

Export Laws  
Software License Agreement 6

## I

Install  
.Database 16, 23, 35  
.SQL 16, 23, 35

## Installation

Automatic Installation, overview 30  
Customize the RPSInstallation.ini File 31  
Generate the RPSInstallation.ini File 30  
Install RPS with a Local SQL Database 12  
Install RPS with a Network SQL Database 20  
Install SQL Server Management Studio Express 66  
Installation and Administration Notes 70  
Overview 12  
Switch from a Client to a Network Installation 62  
Use the RPSInstallation.ini File 31  
View the Installation Log File 32

## Instance

Create a New SQL Instance 29  
Create a new SQL instance 40  
Select an existing SQL instance 40  
Use an Existing SQL Instance 27

**Integration**

- Automatic Integration of the RPS Database Files into the SQL Database 47
- Integrate the RPS Database Files into the SQL Database 47
- Manual Integration of the RPS Database Files into the SQL Database 47

**L****Laws**

- Export and applicable 6

**Liability, limitation of**

- Software License Agreement 6

**License**

- Software License Agreement 5

**Local**

- Install RPS with a Local SQL Database 12
- Prepare Upgrade for a Local SQL Database 40
- Switch from a Client to a Network Installation 62

**Log**

- Conversion File Log 48
- View the Installation Log File 32

**Log-in**

- Change the Logon Password 50
- First Time Log-in 49

**M****Microsoft Access**

- Revert to a Microsoft Access Database 60
- Upgrade RPS with a Microsoft Access Database 39

**Minimum System Requirements**

- RPS 8
- RPS & SQL Express 10
- RPS & SQL Express on Windows Vista 10, 11
- SQL Express 9

**Modems**

- Notes 70

**Modify**

- Modify RPS 52

**N****Network**

- Install RPS with a Network SQL Database 20
- Prepare the Upgrade for a Network SQL Database 41
- Prepare Upgrade for a Local SQL Database 40
- Set Security Levels by Panel Type for Networked Users 51
- Switch from a Client to a Network Installation 62

**Notes**

- 2000 Series 71
- D6412/D4412 Control Panels 71
- D7024 Fire Alarm Control Panel 72
- D7212B1 Control Panel 72
- D8112 Control Panel 72
- D9112B1 Control Panel 72
- DS7240/DS7220 Control Panels 71
- DS7400XiV4-EXP Control Panel 73
- DS9400 Fire Alarm Control Panel 72
- General Operation 70
- Installation and Administration 70
- Modems 70

**O****Operation**

- General Operation Notes 70

**Ownership and Property Rights**

- Software License Agreement 5

**P****Password**

- Change the Password 50

**R****Recover Old Database Files 61****Reinstall**

- Repair RPS 53

**Release Notes 8****Remedies**

- Software License Agreement 6

**Remove**

- Remove RPS 54

**Repair**

- Repair RPS 53

**Revert**

- to a Microsoft Access Database 60
- to a Previous SQL Database 55

**Rights, restricted**

- Software License Agreement 6

**RPS**

- Automatic Installation, overview 30
- Automatic Integration of the RPS Database Files into the SQL Database 47
- Change the Logon Password 50
- Create a New Database 48
- Create new RPS Database 27
- Customize the RPSInstallation.ini File 31
- Database 16, 23, 35
- First Time Log-in 49
- General Operation Notes 70
- Generate the RPSInstallation.ini File 30
- Install 16, 23, 35
- Install RPS with a Local SQL Database 12
- Install RPS with a Network SQL Database 20
- Installation and Administration Notes 70
- Installation, overview 12
- Manual Integration of the RPS Database Files into the SQL Database 47
- Minimum System Requirements 8
- Minimum System Requirements for RPS & SQL Express 10
- Minimum System Requirements for RPS & SQL Express on Windows Vista 10, 11
- Modify RPS 52
- Remove RPS 54
- Repair RPS 53
- Revert to a Microsoft Access Database 60
- Revert to a Previous SQL Database 55
- RPSInstallation.ini file 30
- Select existing RPS Database 27
- SQL 16, 23, 35
- Upgrade RPS with a Microsoft Access Database 39
- Upgrade RPS with a SQL Database 34
- Upgrading from RPS 5.11 or lower 48
- Use the RPSInstallation.ini File 31
- View the Installation Log File 32

**S**

- Security
  - Set Security Levels by Panel Type for Networked Users 51
- Software License Agreement
  - Entire Contract 7
  - Laws, export & applicable 6
  - Liability, limitation of 6
  - License 5
  - Ownership and Property Rights 5
  - Remedies 6
  - Rights, restricted 6
  - Taxes 6
  - Term and Transfer 7
  - Transfer of Ownership 5
  - U.S. Government 6
  - Warranty 6
- SQL
  - Authentication 27
  - Automatic Integration of the RPS Database Files into the SQL Database 47
  - Back Up the SQL or SQL Express Database 64
  - Conversion File Log 48
  - Create a New Database 48
  - Create a New SQL Instance 29
  - Create a new SQL instance 40
  - Install RPS with a Local SQL Database 12
  - Install RPS with a Network SQL Database 20
  - Install SQL Server Management Studio Express 66
  - Manual Integration of the RPS Database Files into the SQL Database 47
  - Minimum System Requirements for RPS & SQL Express 10
  - Minimum System Requirements for RPS & SQL Express on Windows Vista 10, 11
  - Minimum System Requirements for SQL Express 9
  - Prepare the Upgrade for a Network SQL Database 41
  - Prepare Upgrade for a Local SQL Database 40
  - Revert to a Previous SQL Database 55
  - Select an existing SQL instance 40
  - Share SQL Database option 29
  - Share the SQL Database 46
  - Upgrade RPS with a SQL Database 34
  - Use an Existing SQL Instance 27
- Switch from a Client to a Network Installation 62

**T**

- Taxes
  - Software License Agreement 6
- Term and Transfer
  - Software License Agreement 7
- Transfer of Ownership
  - Software License Agreement 5

**U**

- U.S. Government
  - Software License Agreement 6
- Uninstall
  - Remove RPS 54

**Upgrade**

- Create a New Database 48
- Local SQL Database 40
- Network SQL Database 41
- Share the SQL Database 46
- Upgrade RPS with a Microsoft Access Database 39
- Upgrade RPS with a SQL Database 34
- Upgrading from RPS 5.11 or lower 48

**User**

- Set Security Levels by Panel Type for Networked Users 51

**W****Warranty**

- Software License Agreement 6

**Windows**

- Authentication 27

**Windows Vista**

- Minimum System Requirements for RPS & SQL Express on Windows Vista 10, 11



**Bosch Security Systems, Inc.**

130 Perinton Parkway  
Fairport, NY 14450  
USA

**[www.boschsecurity.com](http://www.boschsecurity.com)**

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