RPS

D5500CU

BOSCH

en Installation Guide

Table of Contents

1	**Legal**	**5**
1.1	Trademarks	5
1.2	Software License Agreement	5
2	**Introduction**	**8**
2.1	Release Notes	8
2.2	Minimum System Requirements	8
2.2.1	RPS Minimum System Requirements	8
2.2.2	Minimum System Requirements for SQL Express Only	9
2.2.3	RPS and SQL Express on the Same PC Minimum Requirements	10
2.2.4	Minimum System Requirements for RPS and SQL Express on a PC with Vista	10
3	**Installing RPS**	**11**
3.1	Hardware Installation	11
3.1.1	Installing a Modem	11
3.1.2	Protecting AC Power and Phone Lines	11
3.2	Installing RPS	11
3.3	Installing RPS Together with SQL Express	12
3.3.1	Prerequisites for a New Installation	12
3.3.2	Windows Installer 3.1	13
3.3.3	Installing .NET Framework 2.0	15
3.3.4	Installing MDAC	17
3.3.5	Installing SQL Express	18
3.3.6	Installing SQL Server Management Studio Express	25
3.4	Installing RPS with SQL Server or SQL Express	28
3.4.1	New Installations for Standalone PCs	28
3.4.2	Installation Using SQL Server	35
3.4.3	Installation Using SQL Express on a Network	41
3.4.4	Using a Networked Drive to Store Database Files	47
4	**Upgrading Existing RPS Installations**	**48**
4.1	Upgrading RPS Client and Access Database to SQL	48
4.2	Upgrading the SQL Server Database From the Server	54
4.3	Upgrading the SQL Express Database From the Server	56
4.4	Upgrading SQL Server Database from the RPS Client	58
4.5	Upgrading the RPS Client Only (if using a network database)	63
4.6	Upgrading RPS .dat Files on the Server	66
5	**Post-Installation/Upgrade Tasks**	**67**
5.1	Switching From a Client to Network Installation	67
5.2	Reverting to Previous RPS Installation After SQL Upgrade	71
5.2.1	Reverting to a Microsoft Access Database	71
5.2.2	Reverting to a Previous SQL Database	72
5.3	Setting Security Levels by Panel Type for Networked Users	76
5.4	Backing Up the SQL or SQL Express Database	77

6	**RPS Setup and Maintenance**	**79**
6.1	Modifying RPS	79
6.2	Repairing RPS	80
6.3	Removing RPS	80
7	**Logging Into RPS**	**81**
7.1	First Time Log-In	81
7.2	Changing the Password	82
8	**Recovering Old Database Files**	**83**
9	**RPS Operation and Control Panel Account Notes**	**84**
9.1	RPS Notes	84
9.1.1	Installation and Administration	84
9.1.2	General Operation	84
9.1.3	Modems	84
9.2	Control Panel Account Notes	85
9.2.1	2000 Series	85
9.2.2	D6412/D4412 and DS7240/DS7220	85
9.2.3	D7024 and DS9400	86
9.2.4	D8112	86
9.2.5	D9112B1, D7212B1	86
9.2.6	DS7400XiV4-EXP	87
9.2.7	Control Panel Help Files	87

1 Legal

1.1 Trademarks

- Microsoft®, Windows® 2000, XP, Vista™ Ultimate™ and SQL Server™ are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- InstallShield® is a registered trademark and service mark of Acresso Software in the United States and other countries.
- Intel® is a registered trademark of Intel Corporation in the United States and other countries.
- Pentium® is a registered trademark of Intel Corporation in the United States and other countries.

1.2 Software License Agreement

Bosch Security Systems, Inc. ("Bosch") licenses this software and all associated documentation (the "Software") for your (also referred to herein as "Licensee") non-exclusive use. Licensee has read this End User Software License Agreement ("License") and agrees to abide by the terms and conditions of this License. By using the Software you the Licensee accept and agree that you will abide by and are legally bound by the terms of this License. If you do not agree to abide by the terms of this License you shall immediately return the Software to Bosch. Licensee's use of the Software is subject to the following terms and conditions:

1. **LICENSE:** Under the terms of this nonexclusive, non-transferable (except as specifically permitted herein) license:
   a. You may use a machine-readable form of the Software on a single computer or a single server at a time, or as otherwise defined in the installation/operation manual of the Bosch product and only for the operation of Bosch products.
   b. You may not modify, translate, create derivative works, decompile, disassemble or reverse engineer the Software.
   c. You may not sublicense, lease or otherwise rent the Software without Bosch's prior written consent.
   d. You may make one copy of the Software solely for backup or archival purposes, provided such copy must contain the original Software proprietary notice. No other copying of the Software or the accompanying documentation is permitted.
   e. This License will terminate automatically if you fail at any time to comply with any of its terms or conditions. Upon termination, you shall immediately destroy the Software or return it to Bosch along with any copies you have made, and to delete any installed copy from your hardware.
2. **TRANSFER OF OWNERSHIP:** You may transfer this License to another party only if you:
   a. Also transfer the License, Software, and all accompanying documentation and (by sale or lease) ownership of the associated Bosch hardware, if applicable,
   b. Require the other party to abide by the terms of this License, and
   c. Destroy all copies of the Software and any updates that you do not transfer to the other party.

3. **OWNERSHIP AND PROPRIETY RIGHTS:** Although the diskette/media containing the Software is yours, the Software is owned and copyrighted by Bosch and/or its suppliers. Except for the rights expressly granted herein, Bosch and its suppliers retain all rights to the Software, including, without limitation, the title to all copyright, patent, trade secret and other intellectual and proprietary rights therein and any copies thereof, in whole or in part, all of which are the valuable property of Bosch and/or its suppliers. You may not remove, change or delete the copyright notice from the Software. If you make any copies of the Software in whole or in part, all such copies shall contain the same copyright and proprietary markings as appear on or in the original Software copy, including diskette markings. You will instruct your employees and others having access to the Software in and ensure their compliance with the terms of this License. You will use your best efforts to prevent any unauthorized copying of the Software. You will be responsible for any breach of any provision of this License by your employees. You shall not sell, transfer, publish, disclose or otherwise make available the whole or any part of the Software or any copies thereof to any third party or persons not permitted by the terms of, and pursuant to the terms contained in this License. You are not in violation of this Agreement, including this section, when a third party views the functional output resulting from your use of the Software.
4. **TAXES:** You must pay all taxes that may now or hereafter be imposed, levied, or assessed with respect to the possession or use of the Software or this License. You shall file all reports required in connection with such taxes.
5. **WARRANTY, LIMITATION OF LIABILITY, REMEDIES:** THE SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND INCLUDING WARRANTIES THAT THE SOFTWARE IS ERROR FREE OR WILL RUN UNINTERRUPTED, OR WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR AGAINST INFRINGEMENT. NEITHER BOSCH NOR ITS SUPPLIERS SHALL BE LIABLE FOR ANY LOSS OF PROFITS, LOSS OF USE, INTERRUPTION OF BUSINESS, LOSS OF DATA, NOR FOR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND WHETHER UNDER THIS LICENSE OR OTHERWISE, OR FOR ANY CLAIM BY ANY OTHER PARTY. Bosch does not warrant the functions provided by the Software. However, Bosch warrants the diskette or other media on which the Software is furnished to be free from material defects in materials and workmanship under normal use for a period of 90 days from the date of original purchase. Bosch's entire liability to you, and your exclusive remedy, shall be the replacement of the diskette or other media not meeting Bosch's warranty, provided you return the same to Bosch. The replacement will be warranted for the remainder of the term of the original warranty or 30 days, whichever is longer. You assume responsibility for the selection of the Software to achieve your intended results, and for the installation, use and results obtained from the Software. Without limiting the generality of the foregoing, in no event shall Bosch be liable for any consequential, special or general damages in any action, whether based on tort, contract or otherwise, in connection with this License, or the Software furnished hereunder. The damages excluded under this paragraph include, but are not limited to, damages for loss of actual and anticipated profits, loss of programming and/or production materials, and damage to the business reputation of user.
6. **U.S. GOVERNMENT RESTRICTED RIGHTS:** The Software is provided with restricted rights. Use, duplication, or disclosure by the U.S. Government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFAR 252.227-7013, Federal Acquisition Regulation clause 52.227-19 (c) (2) Commercial Computer Software Restricted Rights, NASA clause 52.227.86 (d) Commercial Computer Software Licensing or their successor.

7. **EXPORT LAWS, APPLICABLE LAW:** If you, the licensee under this License, are not a U.S. citizen or you will take delivery of the Software outside the United States, Bosch will secure the necessary U.S. Government authorizations for exportation of the Software to your country of destination. You agree to not reexport the Software from that destination to another foreign country without complying with all applicable U.S. Government restrictions and requirements. If you, the licensee, are a U.S. citizen or you will take delivery of the Software inside the United States, then you agree to not export the Software from the United States without complying with all applicable U.S. Government restrictions and requirements, including obtaining any necessary U.S. Government authorization for the export. You will not permit the Software to be reexported from an authorized foreign destination country to any other foreign country except in compliance with all U.S. laws and regulations. This License will be governed by the laws of the State of New York and the United States of America, including U.S. copyright laws.
8. **TERM AND TRANSFER:** You may terminate this Agreement at any time by returning the Software to Bosch or destroying the Software together with all copies in any form. Bosch may terminate this Agreement if you fail to comply with its terms and conditions in any material respect. Upon termination, you may not use the Software and must return or destroy all copies thereof in whole or in part, and we will not further support the Software.
9. **ENTIRE CONTRACT:** This License, including all schedules, constitutes the entire and only agreement between the parties and supersedes all prior agreements, understandings and communications, whether oral or written, between the parties respecting the subject matter hereof. There are no understandings, agreements, warranties or representations, express or implied, except as set forth herein. This License prevails over any additional, conflicting or inconsistent terms and conditions appearing on any purchase order submitted by Licensee. This License shall be governed by and interpreted under the laws of New York, excepting any conflicts of laws provision. Jurisdiction for any suit brought hereunder shall be the federal or state courts residing in New York City.

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 Minimum System Requirements

NOTICE!
Unattended Mode does not run on Windows® XP Home, Windows® Vista HomeBasic, or Windows® Vista Home Premium editions.

2.2.1 RPS Minimum System Requirements

Processor:	Pentium III, 800 MHz or faster
Operating System:	– Microsoft® Windows® 2000 Professional with Service Pack 4 – Microsoft Windows 2000 Server with Service Pack 4 – Microsoft Windows 2003 Server – Microsoft Windows XP Professional with Service Pack 2 – Microsoft Windows XP Home Edition
RAM:	– **Minimum:** 128 MB (limited overall performance of RPS) – **Recommended:** 256 MB or higher
Hard Drive Space:	Approximately 250 MB for RPS installation. Accounts and history require additional hard drive space.
Video:	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 **Normal Fonts**.
Database Support:	Microsoft SQL Server™ 2000
Modems:	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 *Modem Specifications* in the RPS Help file for more information.
Ports:	One serial port for modem communication and one parallel port for printer connection or security block (dongle). 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.

2.2.2 Minimum System Requirements for SQL Express Only

Processor:	Pentium III Compatible or higher – **Minimum:** 500 MHz – **Recommended:** 1 GHz or higher
Operating System:	– Microsoft® Windows® Vista™ Ultimate™ – Microsoft Windows Vista Home Premium – Microsoft Windows Vista Home Basic – Microsoft Windows Vista Business – Microsoft Windows Vista Enterprise – Microsoft Windows 2003 Server with Service Pack 1 – Microsoft Windows 2003 Server Enterprise Edition with Service Pack 1 – Microsoft Windows 2003 Server Premium Edition with Service Pack 1 – Microsoft Windows XP Professional with Service Pack 2 – Microsoft Windows XP Home Edition with Service Pack 2 – Microsoft Windows XP Tablet Edition with Service Pack 2 – Microsoft Windows XP Media Edition with Service Pack 2 – Microsoft Windows 2000 Professional Edition with Service Pack 4 – Microsoft Windows 2000 Server Edition with Service Pack 4 – Microsoft Windows 2000 Advanced Edition with Service Pack 4 – Microsoft Windows 2000 Datacenter Server Edition with Service Pack 4
RAM:	– **Minimum:** 192 MB (limited overall performance of RPS) – **Recommended:** 512MB or higher
Hard Drive Space:	600 MB free space.
Browser:	Microsoft Internet Explorer version 6 or later
Software:	– Microsoft .NET Framework 2.0 – Windows Installer 3.1 – Microsoft Data Access Components (MDAC)

2.2.3 RPS and SQL Express on the Same PC Minimum Requirements

Processor:	Intel Pentium IV
Operating System:	– Microsoft Windows 2003 Server with Service Pack 1 – Microsoft Windows XP Professional with Service Pack 2 – Microsoft Windows XP Home Edition with Service Pack 2 – Microsoft Windows 2000 Professional Edition with Service Pack 4 – Microsoft Windows 2000 Server Edition with Service Pack 4
RAM:	– **Minimum:** 512 MB – **Recommended:** 1 GB or higher
Hard Drive Space:	Approximately 512 MB for RPS installation. Accounts and history require additional hard drive space.
Video:	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 **Normal Fonts**.
Modems:	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 *Modem Specifications* in the RPS Help file for more information.
Ports:	One serial port for modem communication and one parallel port for printer connections.
Browser:	Microsoft Internet Explorer version 6 or later
Software:	– Microsoft .NET Framework 2.0 – Windows Installer 3.1 – Microsoft Data Access Components (MDAC)

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

Processor:	1 GHz 32-bit (x86) processor
Operating System:	– Microsoft Windows Vista (all versions)
RAM:	– **Minimum:** 512 MB – **Recommended:** 1 GB or higher
Hard Drive Space:	20 GB hard drive with at least 14 GB of available space.
Video:	VGA monitor capable of supporting 1024 x 768 resolution. RPS supports 24-bit color palettes and lower. Set the font settings to **Normal Fonts**.
Modems:	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 *Modem Specifications* in the RPS Help file for more information.
Ports:	One serial port for modem communication and one parallel port for printer connections.
Browser:	Microsoft Internet Explorer version 6 or later
Software:	– Microsoft .NET Framework 2.0 – Windows Installer 3.1

3 Installing RPS

3.1 Hardware Installation

3.1.1 Installing a Modem

When using an internal modem, consult the documentation accompanying your modem for physical installation.

3.1.2 Protecting AC Power and Phone Lines

Protect your hardware and data from costly damage by protecting the AC power source and the phone line for the modem. Several manufacturers offer devices that provide combined AC and telephone line protection. Contact your computer dealer for more information on these devices.

3.2 Installing RPS

1. Insert the RPS CD-ROM into your CD-ROM drive.
   The RPS startup program should automatically start.

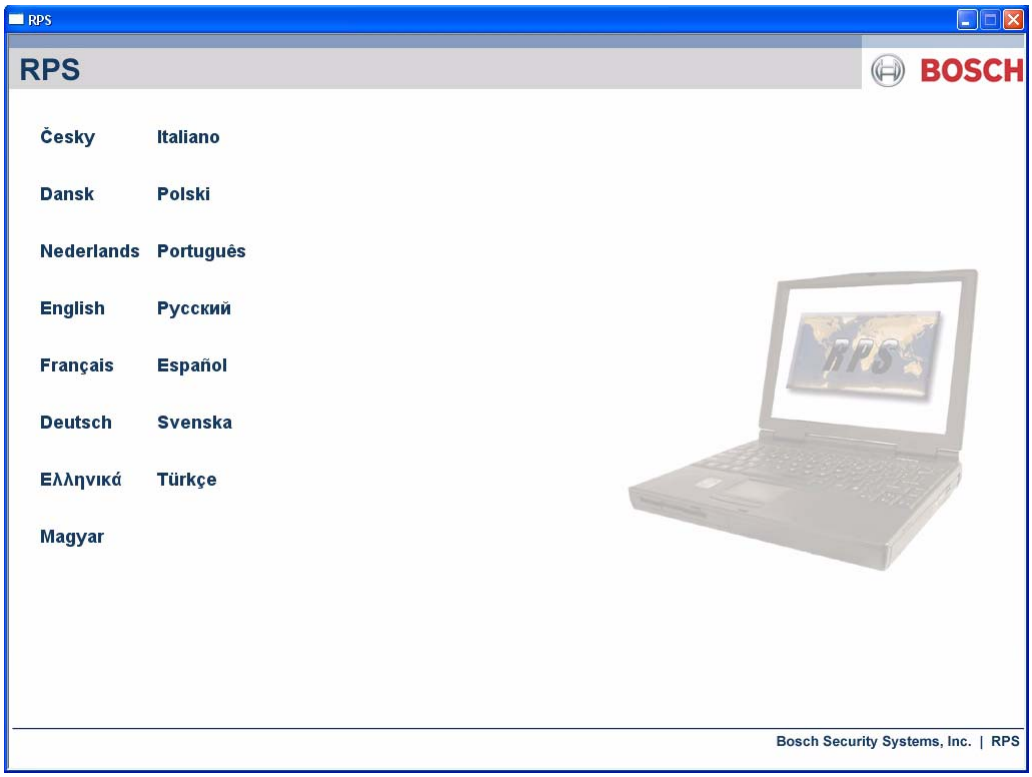


Figure 3.1 RPS Startup

2. If the startup program does not automatically start:
   a. Select **Start > Run...**
   b. At the prompt, type: **X:\Winopen rps_menu.hta**
   ("X" = the drive letter assigned to your CD-ROM drive.)

3. When the startup window opens, select a language from the list provided. Refer to *Figure 3.1* on page 11. An instruction window opens in the selected language.

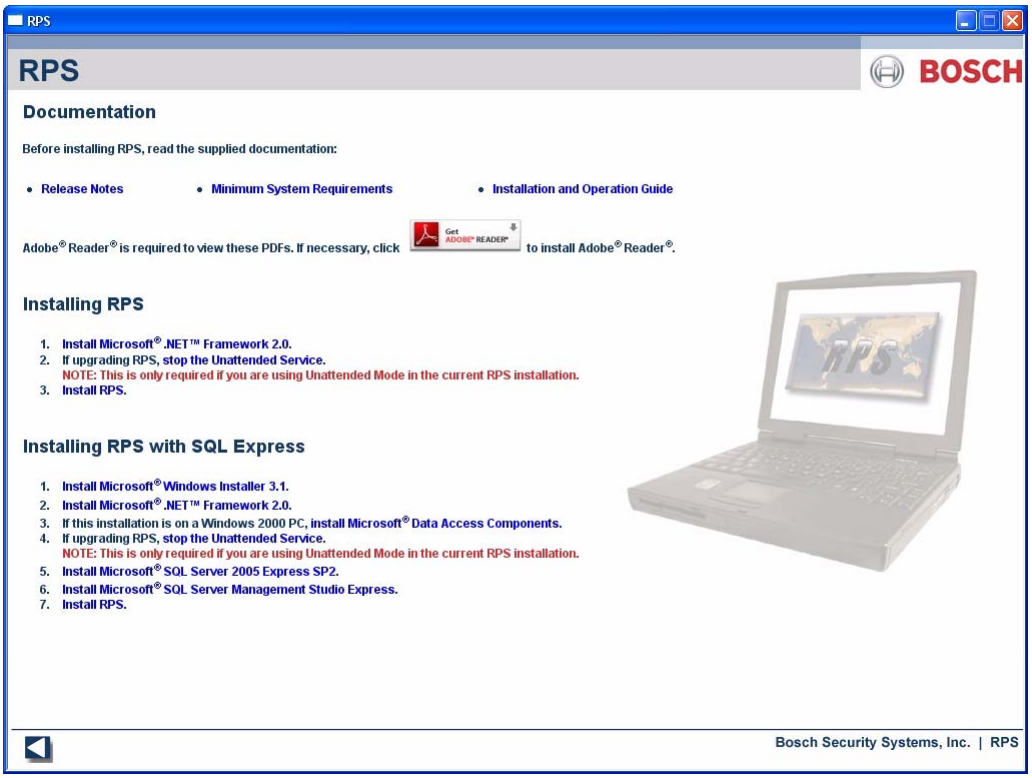


Figure 3.2 English Instruction Page

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

4. Follow the steps listed on the instruction window for installing each component required for RPS.

NOTICE!

For new installations of RPS 5.x, you must install Microsoft .NET™ Framework 2.0. If you are upgrading or re-installing RPS 5.x, install only RPS.

3.3 Installing RPS Together with SQL Express

NOTICE!

If SQL Express is already installed, you do not need to install SQL Server 2005.
If SQL Server 2005 is already installed, you do not need to install SQL Express.

3.3.1 Prerequisites for a New Installation

Use the following steps to install RPS for the first time, or to replace a previous version that was removed using Add/Remove Programs.

3.3.2 Windows Installer 3.1

NOTICE!
Windows Installer 3.1 is only needed on Windows® 2000 and Windows® XP SP2 operating systems.

1. Select the **Windows Installer 3.1** from the RPS installation CD-ROM, or select **Install Windows Installer 3.1** from the RPS instruction dialog.
2. The Windows Installer 3.1 welcome dialog opens.
   Click **Next**.

Figure 3.3 Windows Installer 3.1 Welcome Dialog

3. The License Agreement dialog opens.
   Click **I Agree**, then click **Next**.

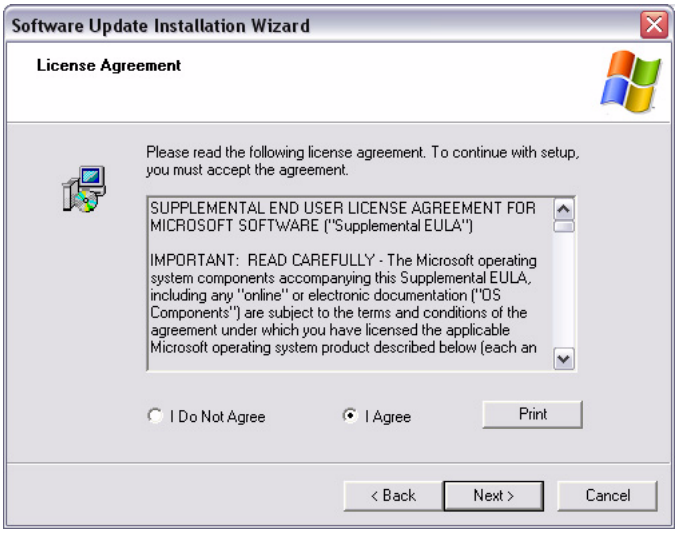


Figure 3.4 License Agreement Dialog

4. The Updating Your System dialog shows the status of the installation.

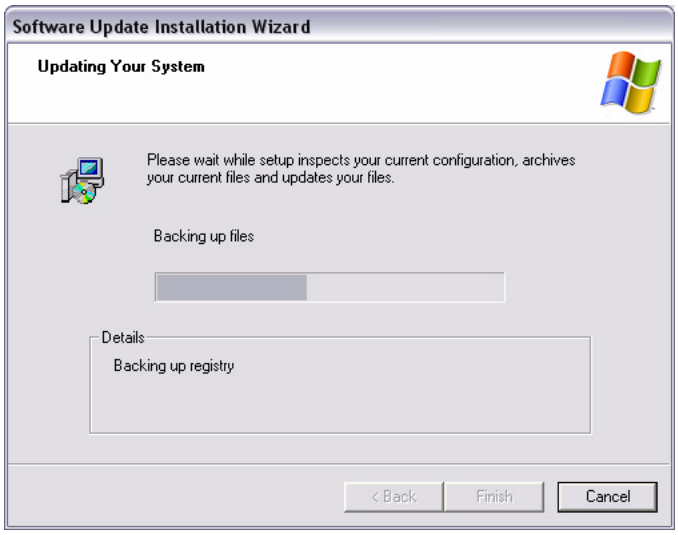


Figure 3.5 License Agreement Dialog

5. When the installation completes, click **Finish** to restart the PC.

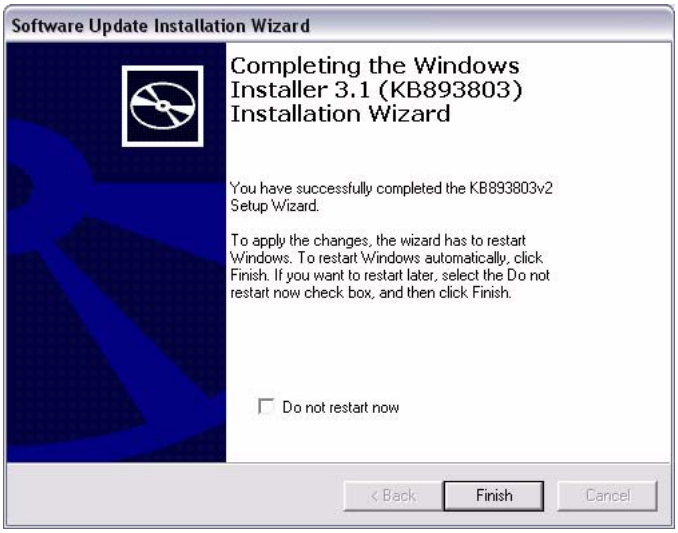


Figure 3.6 Windows Installer 3.1 Completing Dialog

3.3.3 Installing .NET Framework 2.0

NOTICE!
.NET Framework 2.0 is not required for Windows® Vista operating systems.

1. Select **Install .NET Framework 2.0** from the RPS installation CD-ROM, or select **Install .NET Framework 2.0** from the RPS instruction dialog.
2. The Microsoft .NET Framework 2.0 Setup welcome dialog opens.
   Click **Next**.

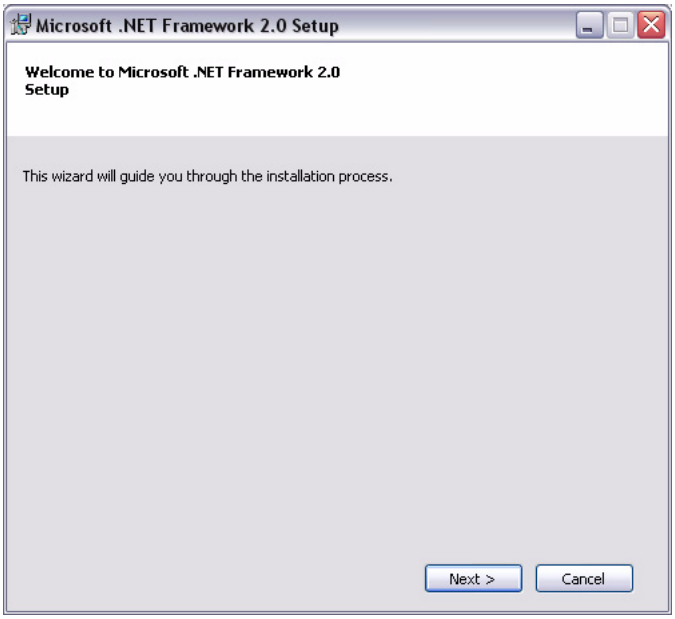


Figure 3.7 .NET Setup Welcome Dialog

3. The End-User License Agreement dialog opens.
   Select **I accept the terms of the License Agreement**, then click **Install**.

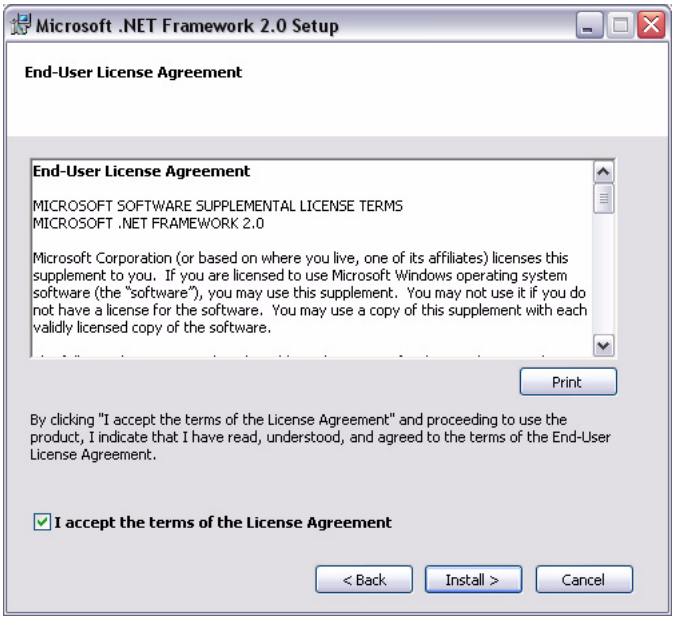


Figure 3.8 .NET End-User License Dialog

4. The Installing Components dialog show the installation progress.

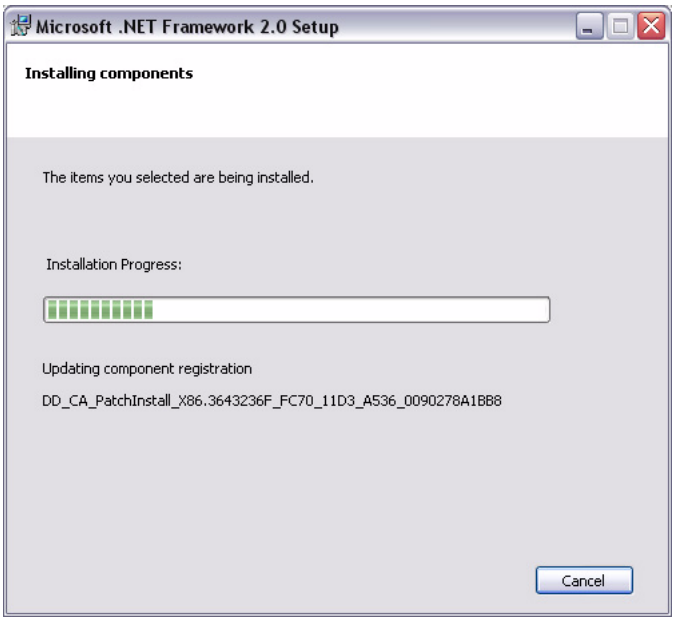


Figure 3.9 .NET Installing components Dialog

5. When the Setup Complete dialog opens, click **Finish**.

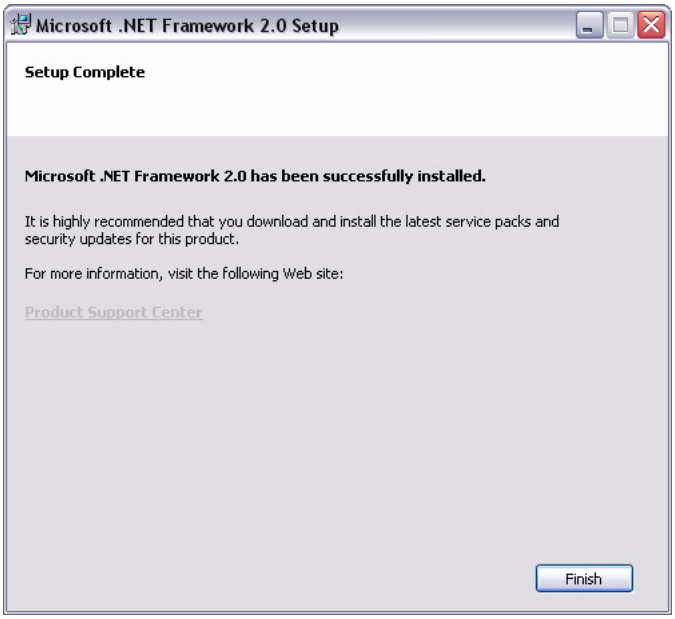


Figure 3.10 .NET Setup Complete Dialog

3.3.4 Installing MDAC

NOTICE!
MDAC is required only for Windows 2000 installations.

1. Select the **MDAC** installer from the RPS CD-ROM, or select **Install Microsoft Data Access Components** from the RPS instruction dialog.
2. The End User License Agreement dialog opens.
   Select **I accept all of the terms of the preceding license agreement**, then click **Next**.

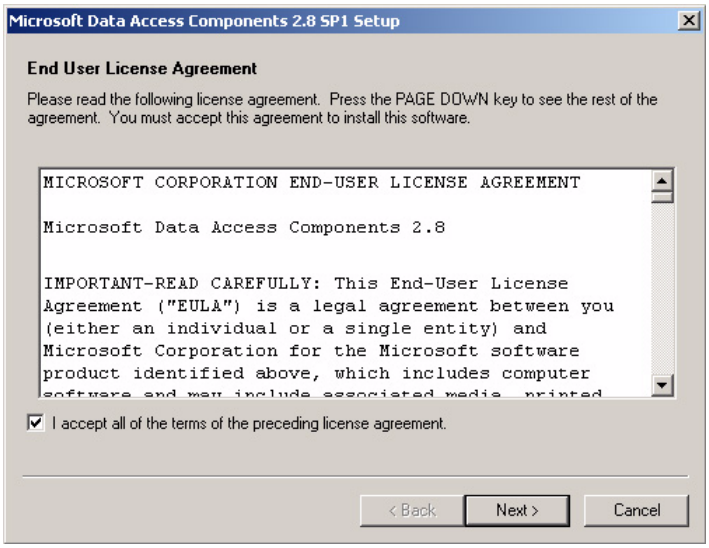


Figure 3.11 MDAC End User License Agreement Dialog

3. The Installing the Software dialog opens.
   Click **Finish**.

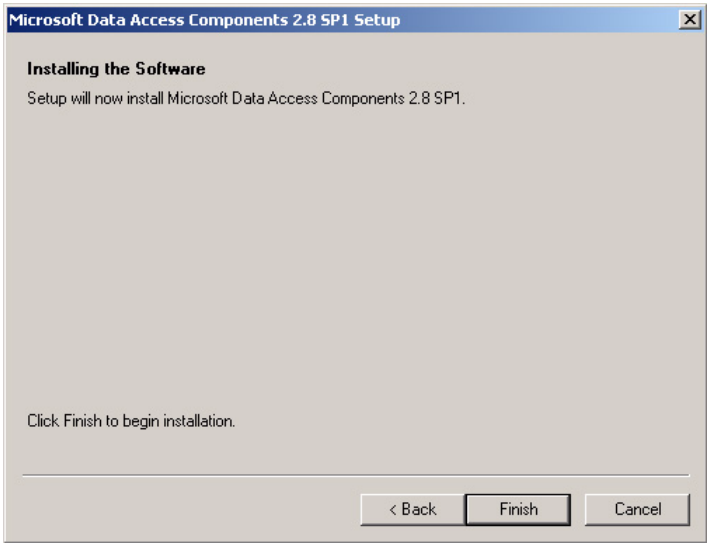


Figure 3.12 MDAC Installing the Software Dialog

4. When the Setup is Complete dialog opens, click **Close**.

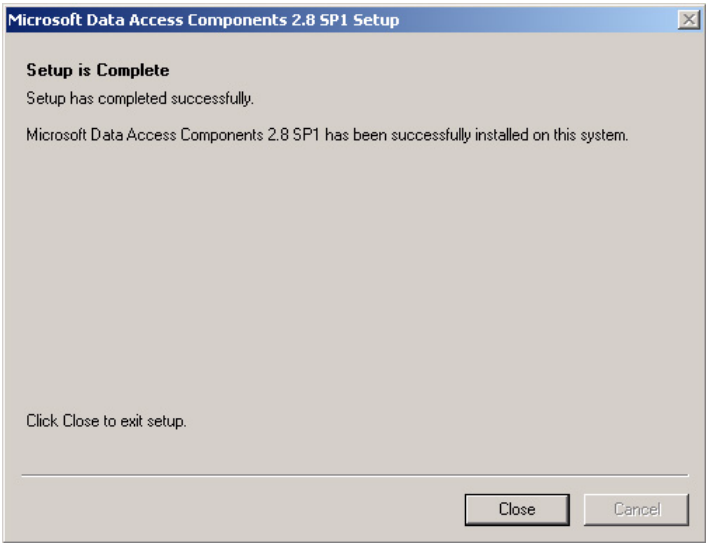


Figure 3.13 MDAC Setup is Complete Dialog

3.3.5 Installing SQL Express

1. Select the **SQL Express** installer from the RPS installation CD-ROM, or select **Install Microsoft SQL Server 2005 Express SP2** from the RPS instruction dialog. The Extracting Files dialog shows briefly.

Figure 3.14 SQL Express Extracting Files Dialog

2. The End User License Agreement dialog opens.
   Select **I accept the licensing terms and conditions**, then click **Next**.

Figure 3.15 SQL Express End User License Agreement Dialog

3. The Installing Prerequisites dialog opens,
   Click **Install**.
   The dialog shows the progress of the installation.

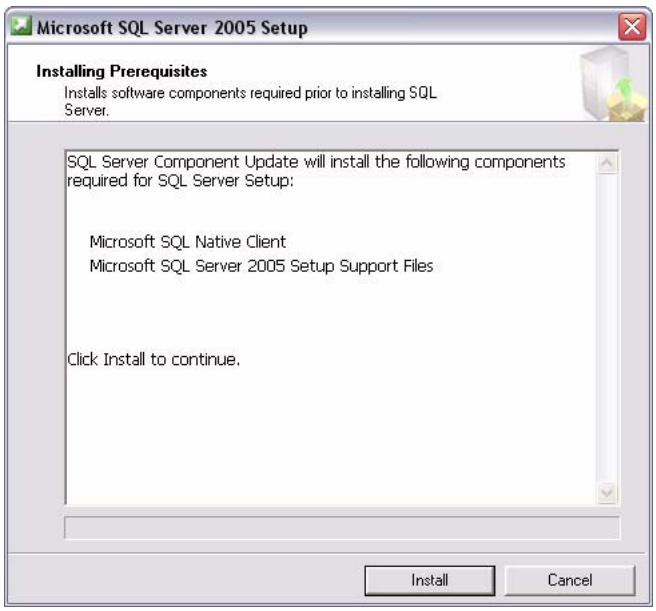


Figure 3.16 SQL Express Installing Prerequisites Dialog

4. The Microsoft SQL Server Installation Wizard welcome screen opens.
   Click **Next**.

Figure 3.17 Microsoft SQL Server Installation Wizard Welcome Dialog

5. When the System Configuration Check dialog finishes, click **Next**.

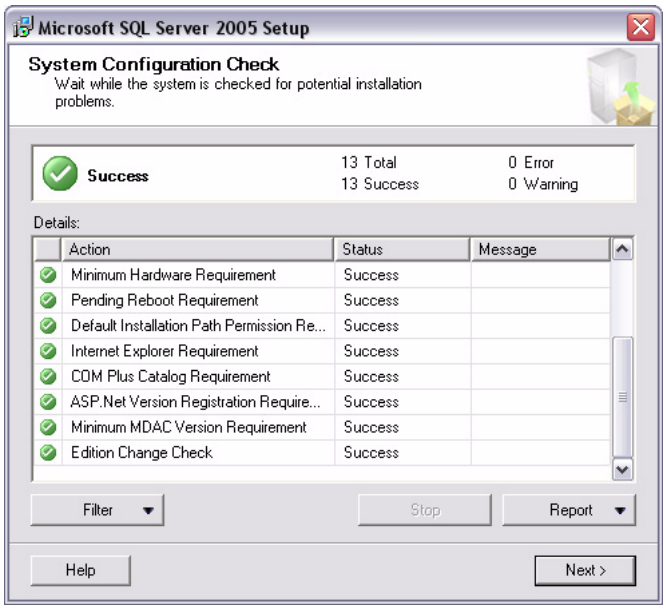


Figure 3.18 SQL System Configuration Check Dialog

6. The Microsoft SQL Server Installation dialog shows the status of the installation. When the installation finishes, click **Next**.

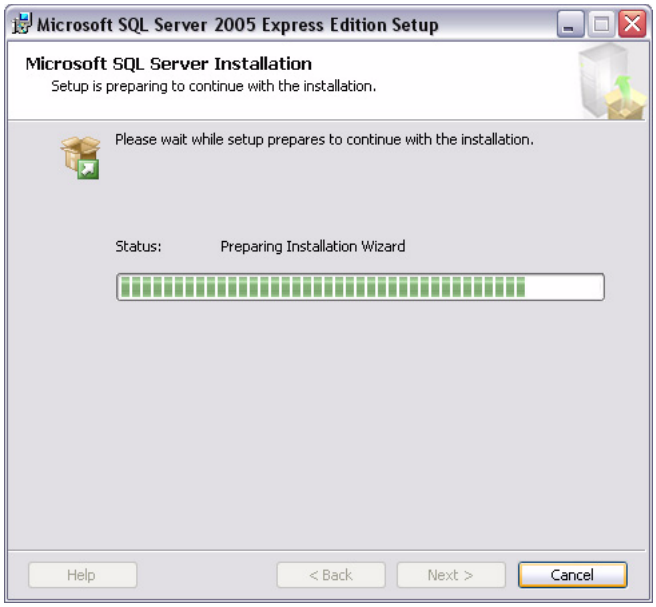


Figure 3.19 Microsoft SQL Server Installation Dialog

7. The Registration Information dialog opens.
   Click **Next**.

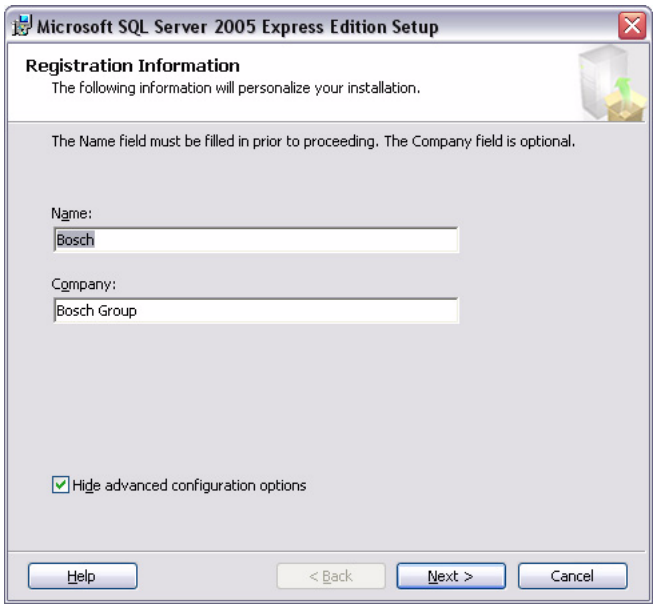


Figure 3.20 SQL Registration Information Dialog

8. The Feature Selection dialog opens:
   a. Click the **X** next to **Connectivity Components**.
   b. Select **Entire feature will be installed on local hard drive**.
   c. Click **Next**.

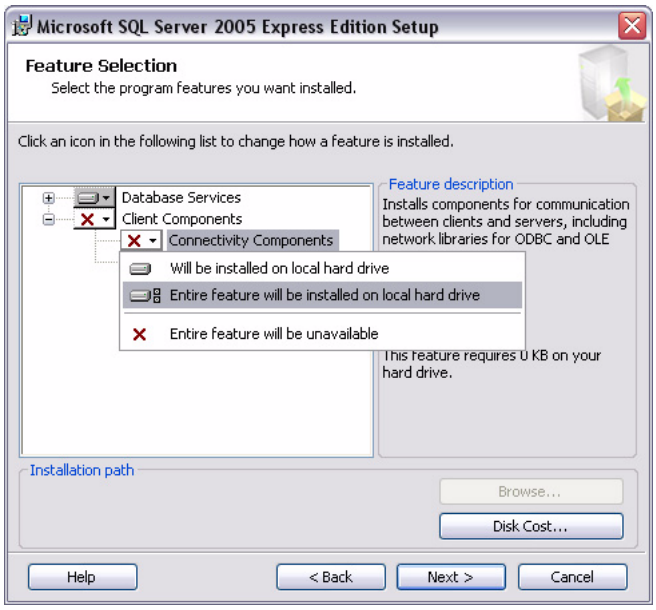


Figure 3.21 SQL Feature Selection Dialog

9. The Authentication Mode dialog opens:
   a. Select **Mixed Mode**.
   b. Type a SQL Server password in both password fields.
   c. Click **Next**.

Figure 3.22 SQL Authentication Mode Dialog

NOTICE!
You will need the SQL Server password later when logging into RPS. The password is case sensitive.

10. The Configuration Options dialog opens.
    Select **Enable User Instances**, then click **Next**.

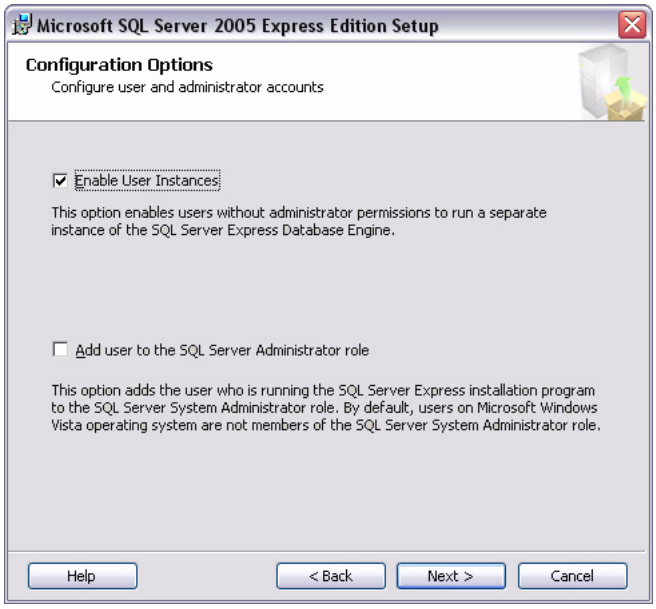


Figure 3.23 SQL Configurations Dialog

11. The Error and Usage Report Settings dialog opens.
    Click **Next**.

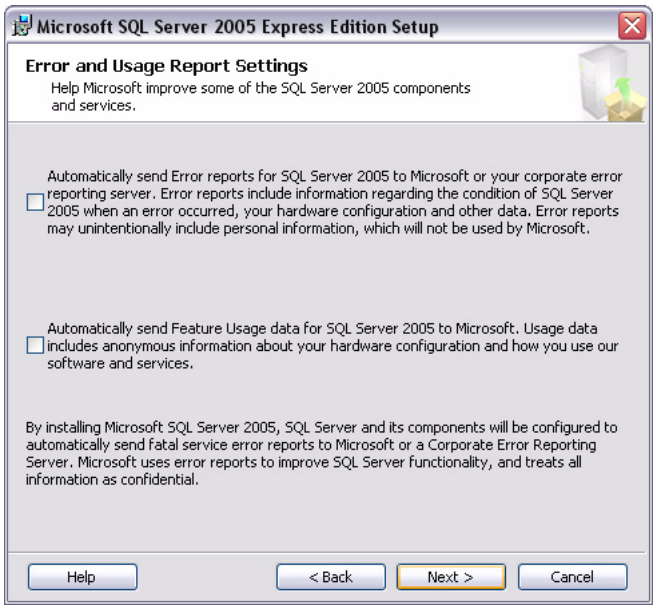


Figure 3.24 SQL Error and Usage Report Settings Dialog

12. The Ready to Install dialog opens.
    Click **Install**.

Figure 3.25 SQL Ready to Install Dialog

13. The Setup Progress dialog opens.
    When the installation is finished, click **Next**.

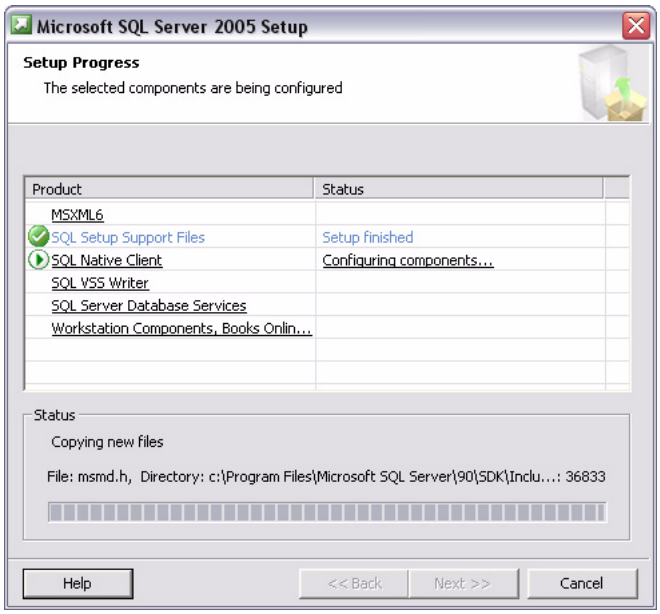


Figure 3.26 SQL Setup Progress Dialog

14. The Completing Microsoft SQL Server 2005 Setup dialog opens.
    Click **Finish**.

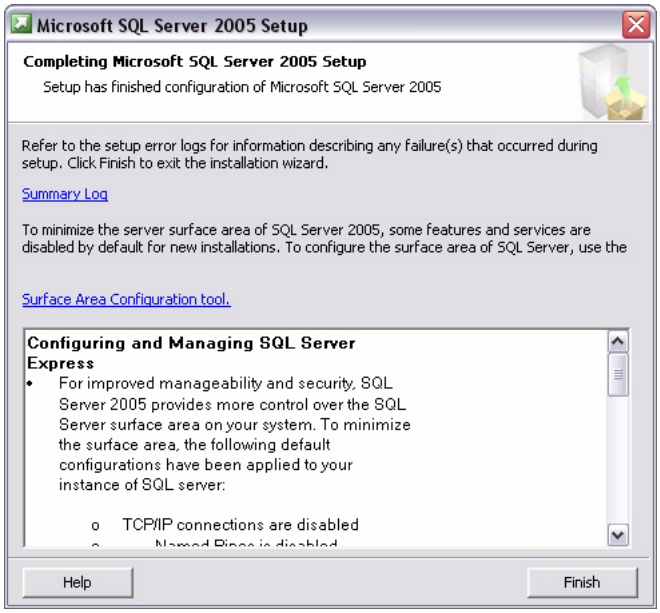


Figure 3.27 Completing Microsoft SQL Server 2005 Setup Dialog

3.3.6 Installing SQL Server Management Studio Express

1. Select the **SQL Server Management Studio Express** installer from the RPS installation CD-ROM, or select **Install SQL Server Management Studio Express** from the RPS instruction dialog.
2. The SQL Server Management Studio Express Setup dialog opens.
   Click **Next**.

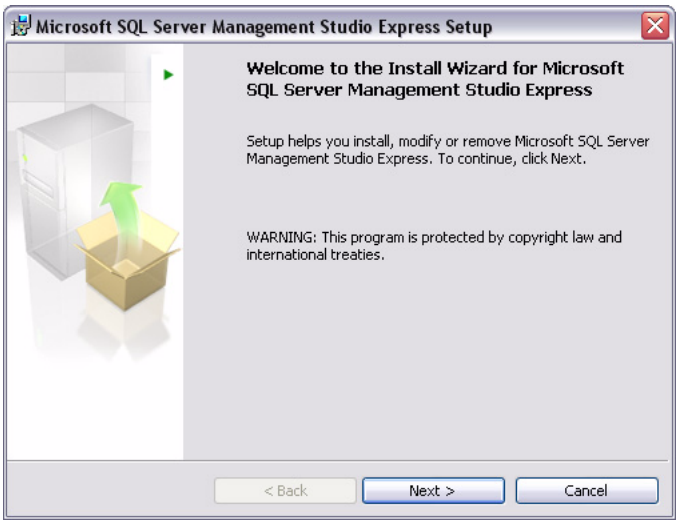


Figure 3.28 SQL Server Management Studio Express Setup Dialog

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

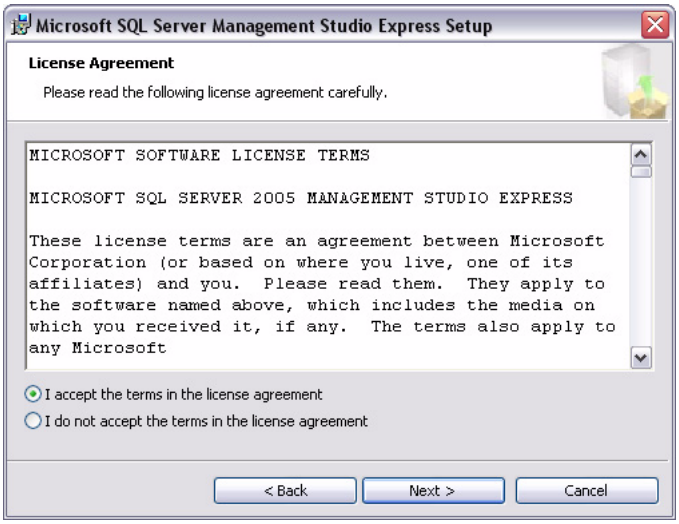


Figure 3.29 SQL Studio License Agreement Dialog

4. The Registration Information dialog opens.
   Click **Next**.

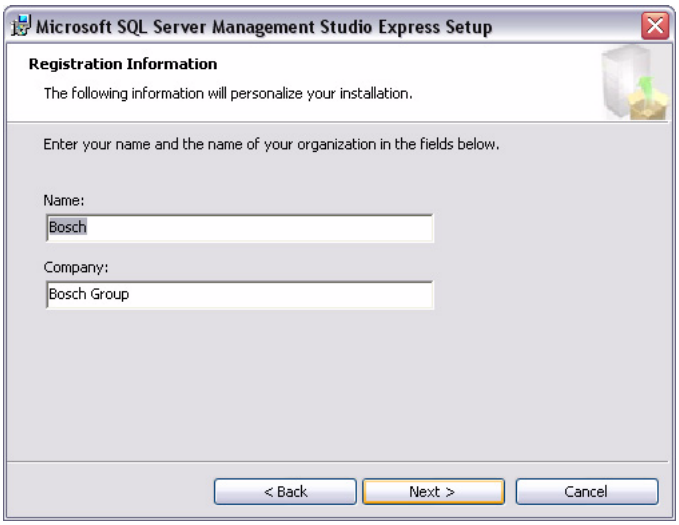


Figure 3.30 SQL Studio Registration Information Dialog

5. The Feature Selection dialog opens.
   Click **Next**.

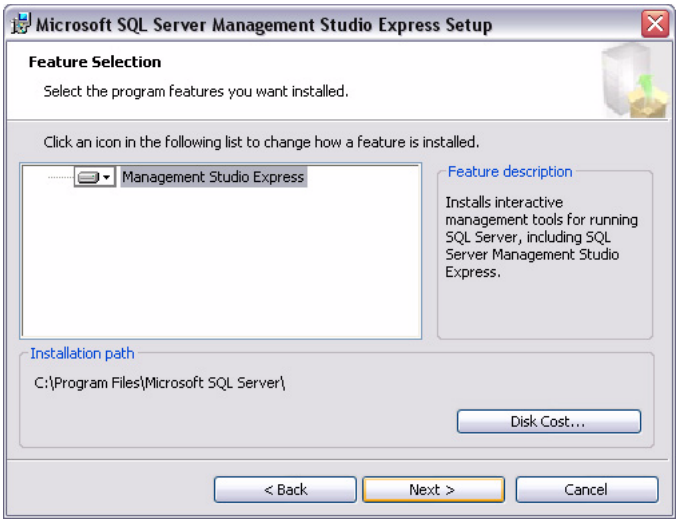


Figure 3.31 SQL Studio Feature Selection Dialog

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

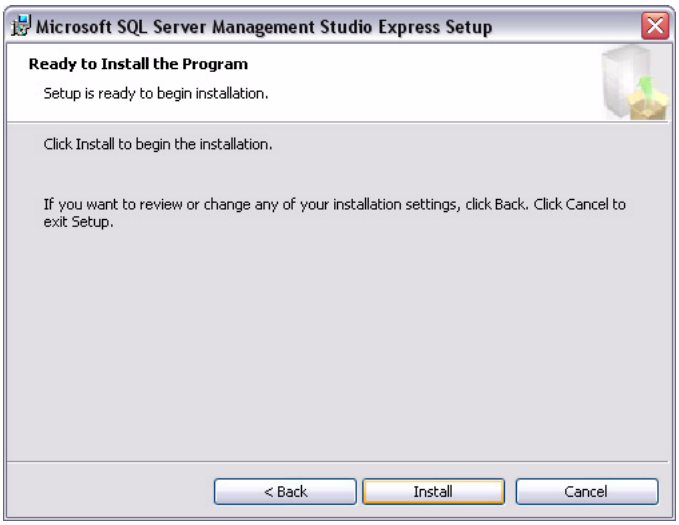


Figure 3.32 SQL Studio Ready to Install Dialog

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

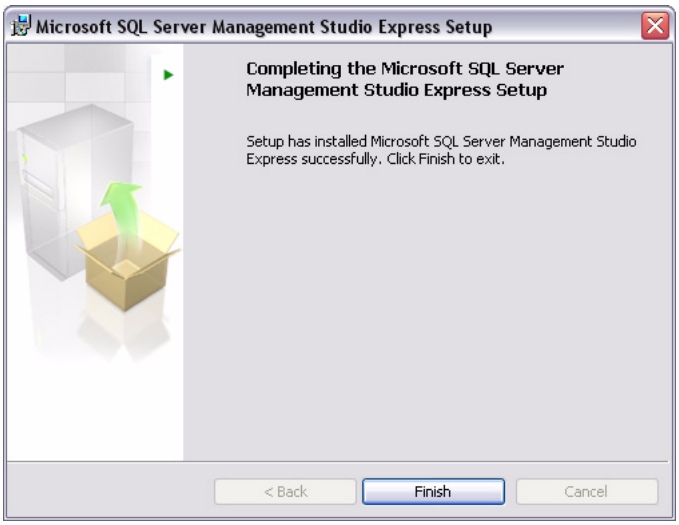


Figure 3.33 SQL Studio Installation Complete Dialog

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 on **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 on **SQL Server Browser** and select **Properties**.
- Click the **Start** button to start the SQL Server Browser.
- Select the Service tab, and set Sart Mode to **Automatic**.

3.4 Installing RPS with SQL Server or SQL Express

NOTICE!
If SQL Express is already installed, you do not need to install SQL Server 2005.
If SQL Server 2005 is already installed, you do not need to install SQL Express.

3.4.1 New Installations for Standalone PCs

Use the following steps on a standalone PC to install RPS for the first time, or to replace a previous version that was removed using **Add/Remove Programs**.

1. Unless the PC already has SQL Express installed, install SQL Express from the RPS CD-ROM. Refer to *Section 3.3 Installing RPS Together with SQL Express* on page 12.
2. Select the RPS installer from the RPS installation CD-ROM, or select **Install RPS** from the RPS instruction dialog.
3. Select your setup language preference, then click **OK**.
   The RPS InstallShield® Wizard opens.

Figure 3.34 RPS Choose Setup Language

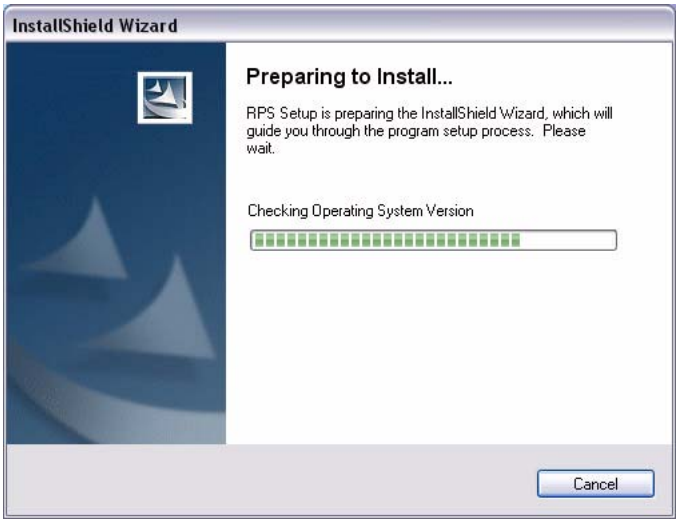


Figure 3.35 RPS Preparing to Install

4. When the Welcome dialog opens, click **Next**.

Figure 3.36 RPS InstallShield Welcome

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

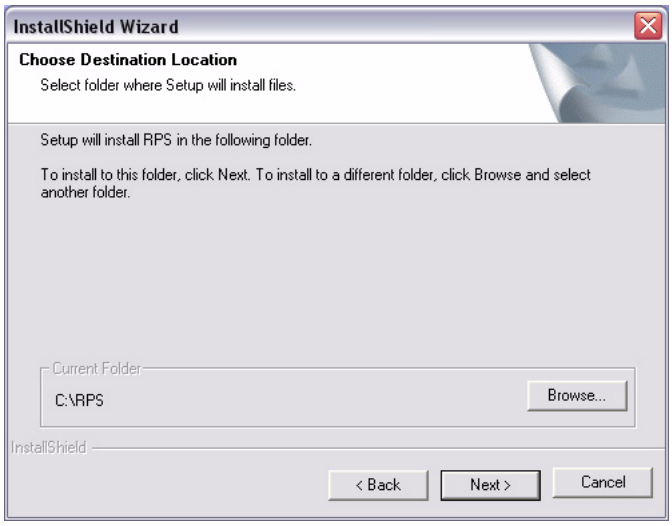


Figure 3.37 RPS Choose Destination Dialog

6. The New Database Creation dialog opens.
   If the default directory for the database files is acceptable, click **Next**.
   Otherwise, click **Browse** to select a different directory, then click **Next**.

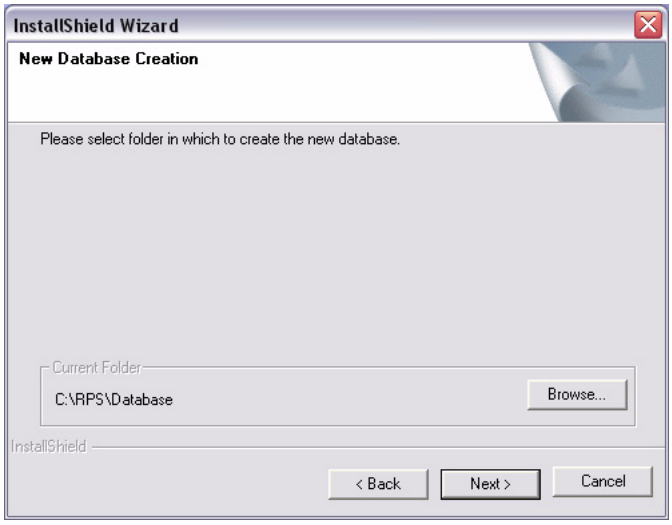


Figure 3.38 RPS New Database Creation Dialog

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

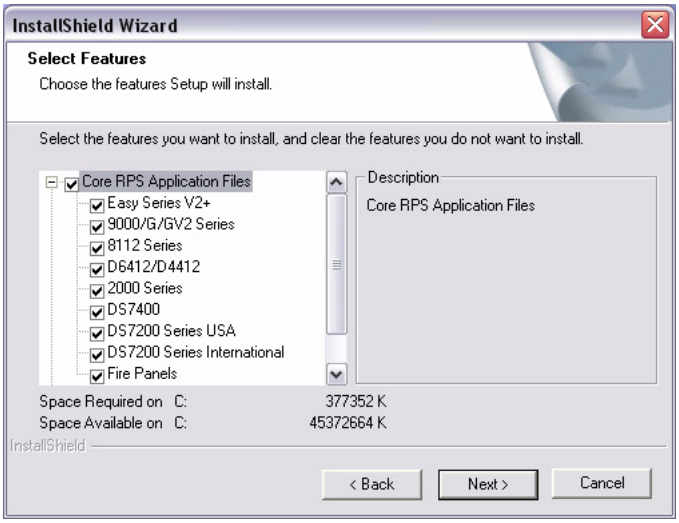


Figure 3.39 RPS Select Features

8. The Select Program Folder dialog opens. Click **Next**.

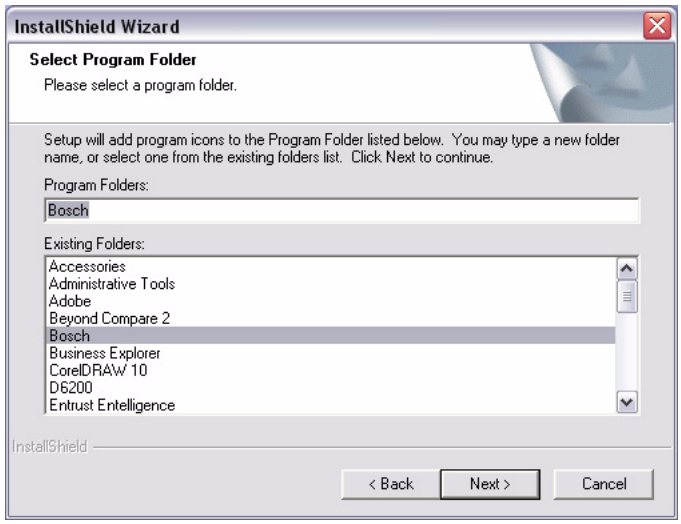


Figure 3.40 RPS Select Program Folder

9. The Start Copying Files dialog opens, listing your selections from the previous steps and confirming that the PC's hard drive has enough unused space for the RPS installation. Click **Next**.

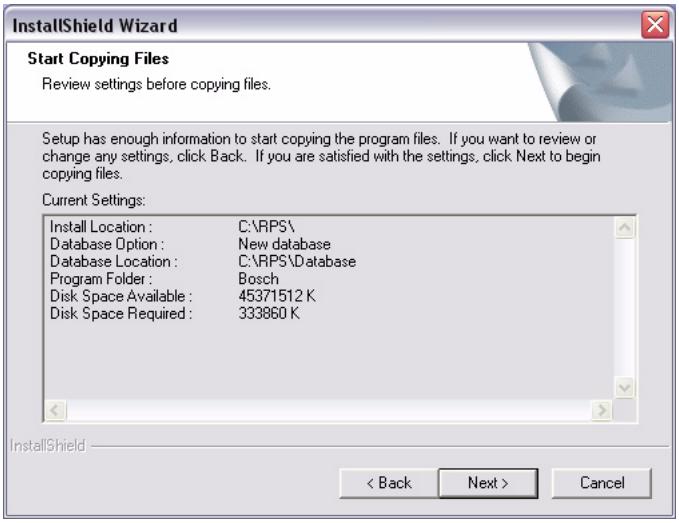


Figure 3.41 RPS Start Copying Files

The Setup Status dialog indicates the installer's progress.

10. When the InstallShield Wizard Complete dialog opens, click **Finish**. The PC restarts.

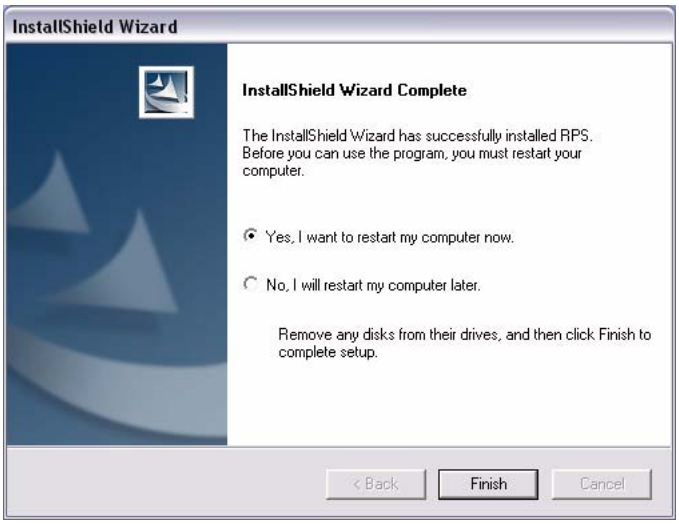


Figure 3.42 RPS InstallShield Wizard Complete

11. After logging onto the PC, start RPS either by selecting **Start>Bosch>RPS 5.x**, or by double-clicking the **RPS 5.x shortcut** on the PC's desktop.
12. Select **Start>Microsoft SQL Server 2005>SQL Server Management Studio Express**.

13. From the Connect to Server dialog, copy the text from the **Server name** field into the PC's clipboard.

Figure 3.43 SQL Server Connect to Server

14. In the RPS System Configuration dialog:
    a. Paste the text copied in the previous step into the **Select or Enter SQL Server name** field.
    b. Type a database name into the **Enter SQL Database Name** field.
    c. In the **Enter User Name** and **Enter Password** fields, type sa for the User Name and the password used when SQL Exporess was installed.
    d. Click **Create Database**, which creates a database in SQL Express with the name you provided.

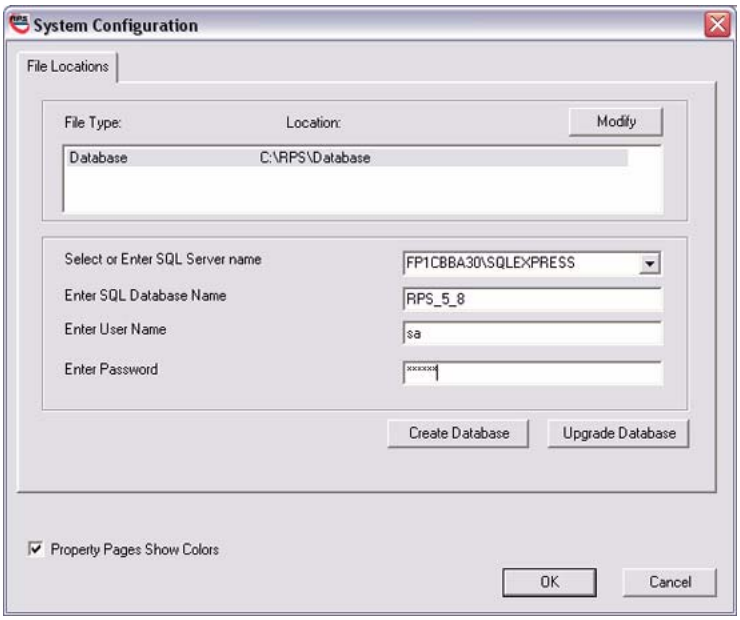


Figure 3.44 RPS System Configuration

15. The Create Database dialog opens.
    Click **OK**.

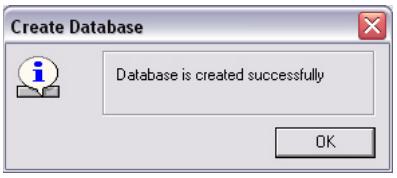


Figure 3.45 RPS Create Database

16. Close the SQL Server Management Studio dialog.
17. Click **OK** to close the RPS System Configuration dialog.
18. In the RPS Logon Information dialog, enter your RPS user name and password, then click **OK**.

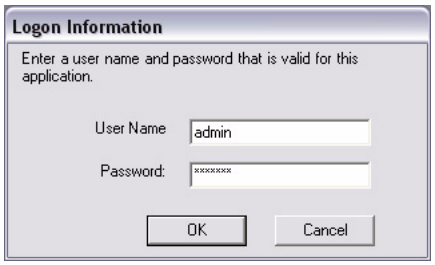


Figure 3.46 RPS Logon Information

19. The Panel Filter dialog opens.
    If you want to see a subset of all accounts, enter the filter criteria into the **Panel Information** fields, then click **OK**.
    If you want to see all accounts, click **OK**.
    Refer to the *RPS General Help* in RPS for more information on the panel filter.

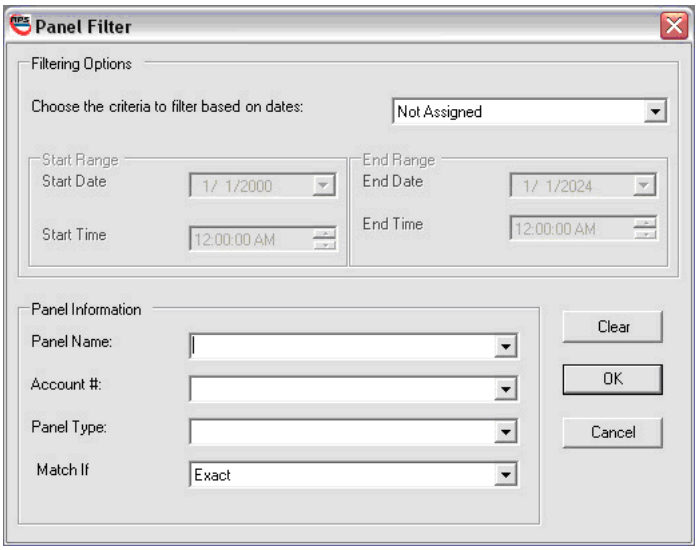


Figure 3.47 RPS Panel Filter

20. Create and configure the control panel account.

3.4.2 Installation Using SQL Server

1. Open the RPS installer from the RPS CD-ROM.
2. Select your setup language preference, then click **OK**.

Figure 3.48 RPS Choose Setup Language

3. At the RPS InstallShield Welcome dialog, click **Next**.

Figure 3.49 RPS InstallShield Wizard Welcome

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

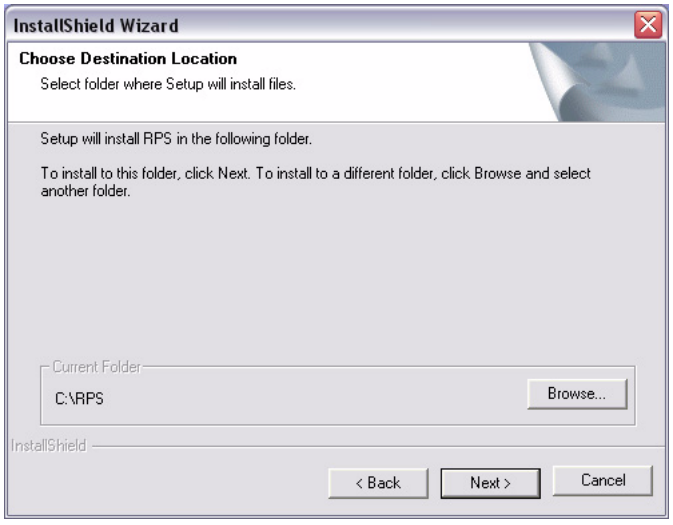


Figure 3.50 RPS Choose Destination Location

5. The New Database Creation dialog opens.
   Click **Browse** to select a different directory on the network.

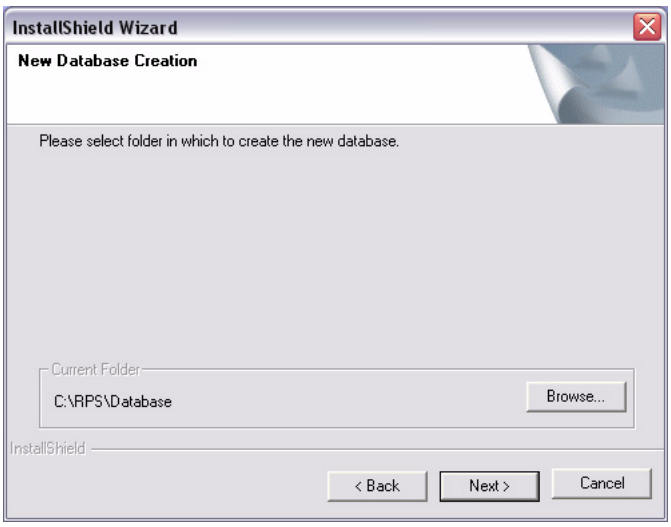
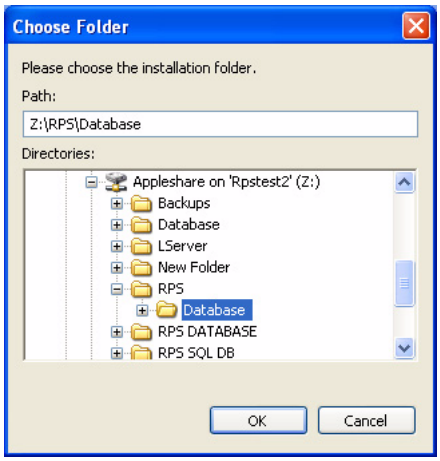


Figure 3.51 RPS New Database Creation

6. In the Choose Folder dialog, browse to the desired network directory, then click **OK**.

NOTICE!
To determine which network directory should contain the RPS database, consult your network or database administrator.
RPS does not support Universal Naming Convention (UNC). Select a mapped network drive.



7. The New Database Creation dialog returns and shows the new directory path.
   Click **Next**.

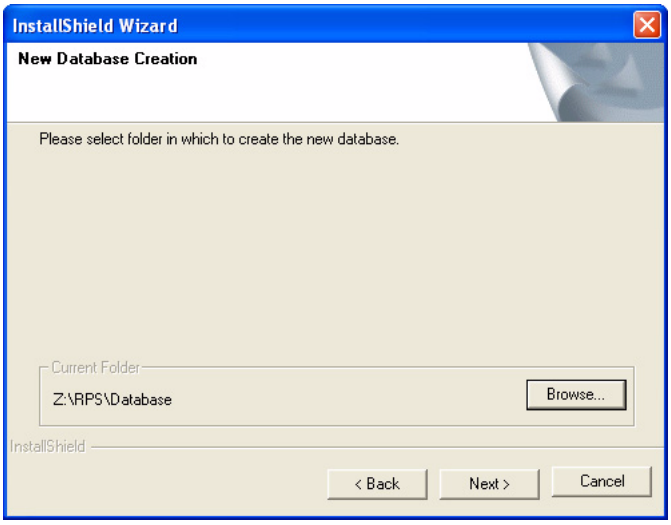


Figure 3.52 RPS New Database Creation

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

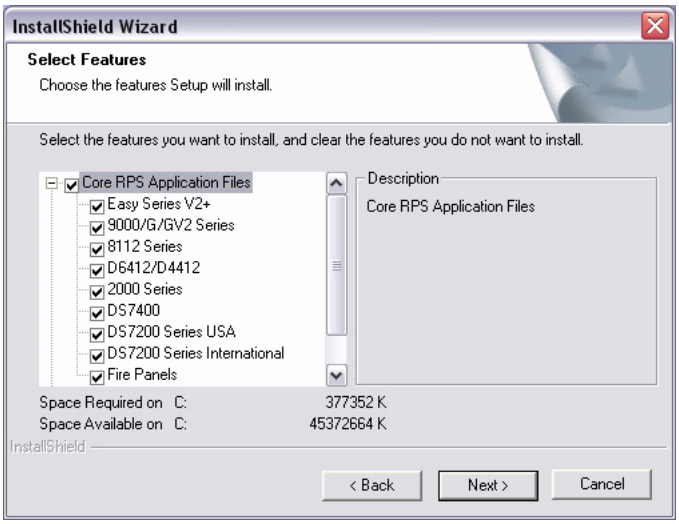


Figure 3.53 RPS Select Features

9. The Select Program Folder dialog opens.
   Click **Next**.

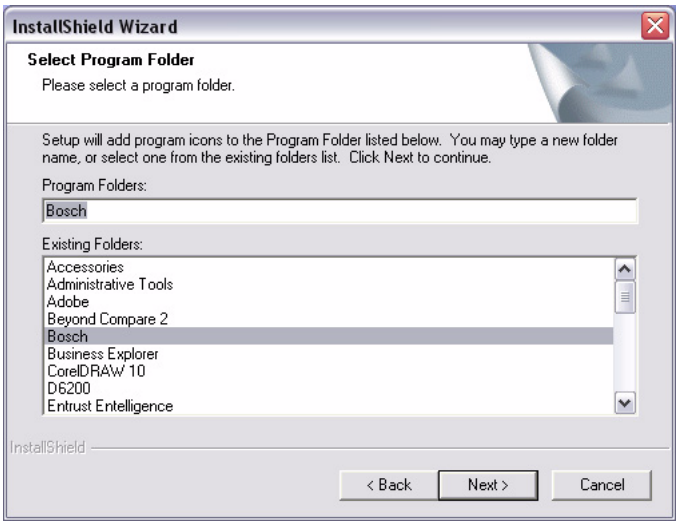


Figure 3.54 RPS Select Program Folder

10. The Start Copying Files dialog opens, listing your selections from the previous steps and confirming that the PC's hard drive has enough unused space for the RPS installation.
    Click **Next**.

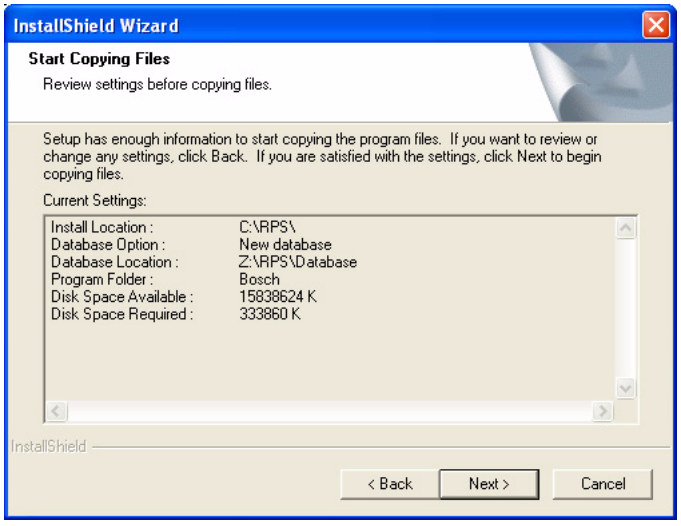


Figure 3.55 RPS Start Copying Files Dialog

11. When the InstallShield Wizard Complete dialog opens, click **Finish**.
    The PC restarts.

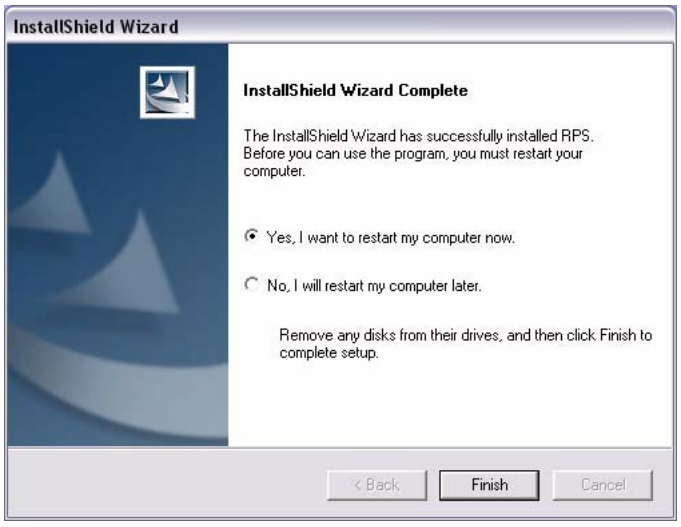


Figure 3.56 RPS InstallShield Wizard Complete

12. After logging onto the PC, start RPS either by selecting **Start>Bosch>RPS 5.x**, or by double-clicking the **RPS 5.x shortcut** on the PC's desktop.
13. In the RPS System Configuration dialog:
    a. Select or enter the SQL server name into the **Select or Enter SQL Server name** field.
    b. Type a database name into the **Enter SQL Database Name** field.
    c. In the **Enter User Name** and **Enter Password** fields, type the same name and password used when the SQL server was installed.
    d. Click **Create Database**, which creates a database in SQL with the name you provided.

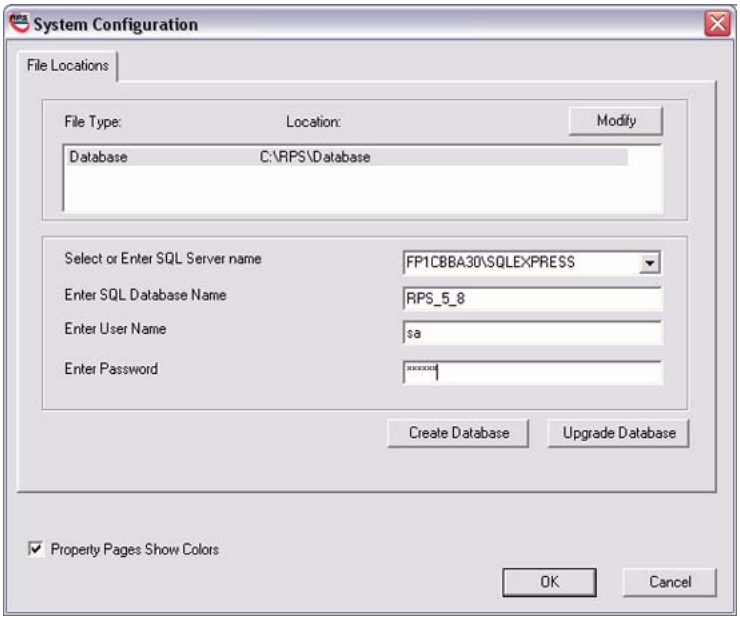


Figure 3.57 RPS System Configuration Dialog

14. When the Create Database dialog opens, click **OK**.

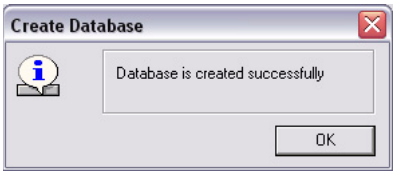


Figure 3.58 RPS Create Database

15. Click **OK** to close the RPS System Configuration dialog.
16. In the RPS Logon Information dialog, enter your RPS **user name** and **password**, then click **OK**.

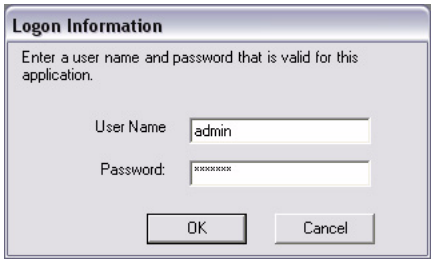


Figure 3.59 RPS Logon Information

The Panel Filter dialog opens. If you want to see a subset of all accounts, enter the filter criteria into the Panel Information fields, then click **OK**. If you want to see all accounts, click **OK**.
Refer to the *RPS General Help* in RPS for more information on the panel filter.

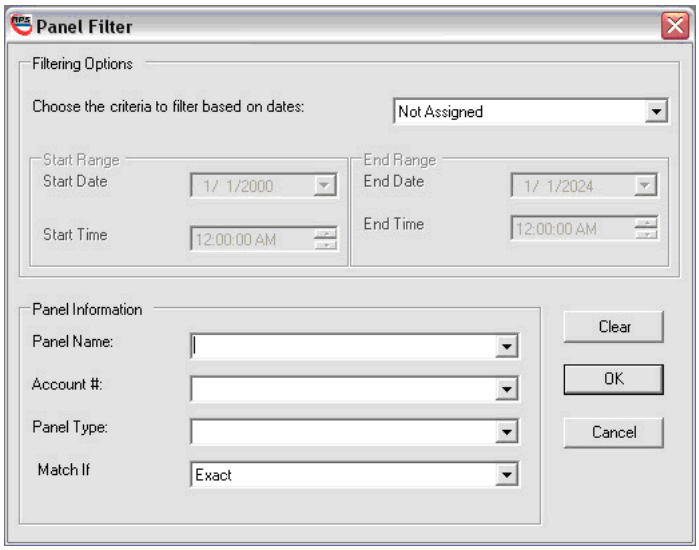


Figure 3.60 RPS Panel Filter

17. Create and configure the control panel account.

3.4.3 Installation Using SQL Express on a Network

1. If necessary, install SQL Express from the RPS CD-ROM onto a network server.
2. Open the RPS installer from the RPS CD-ROM.
3. Select your setup language preference, then click **OK**.

Figure 3.61 RPS Choose Setup Language

4. At the RPS InstallShield® Welcome dialog, click **Next**.

Figure 3.62 RPS InstallShield Wizard Welcome

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

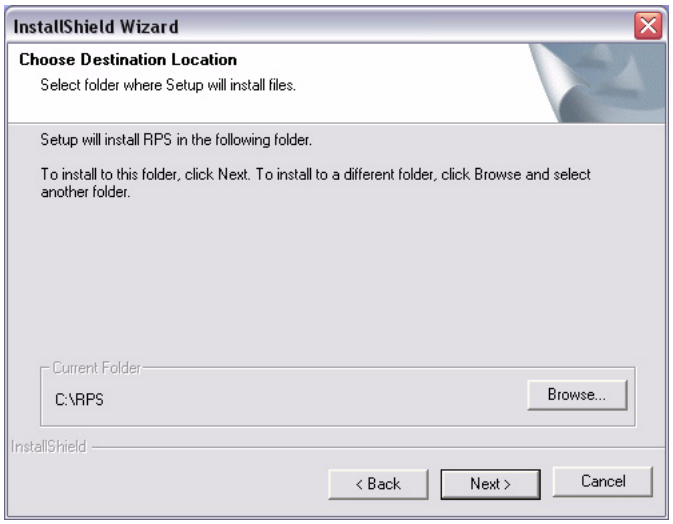


Figure 3.63 RPS Choose Destination Location

6. The New Database Creation dialog opens.
   Click **Browse** to select a different directory on the network.

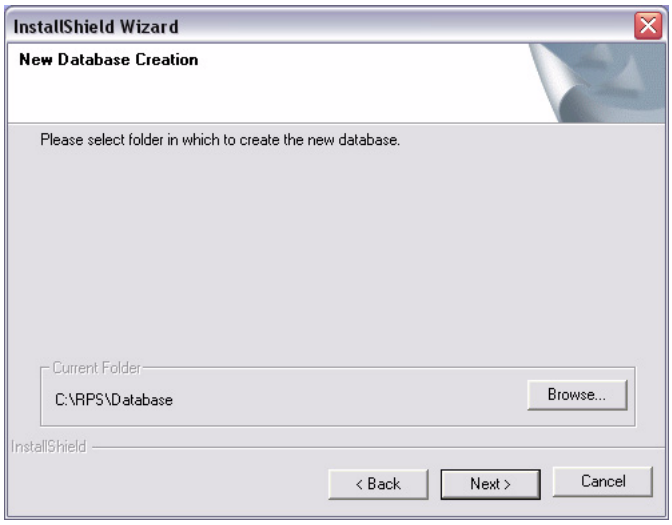


Figure 3.64 RPS New Database Creation

NOTICE!
To determine which network directory should contain the RPS database, consult your network or database administrator.
RPS does not support Universal Naming Convention (UNC). Select a mapped network drive.

7. In the Choose Folder dialog, browse to the desired network directory, then click **OK**.

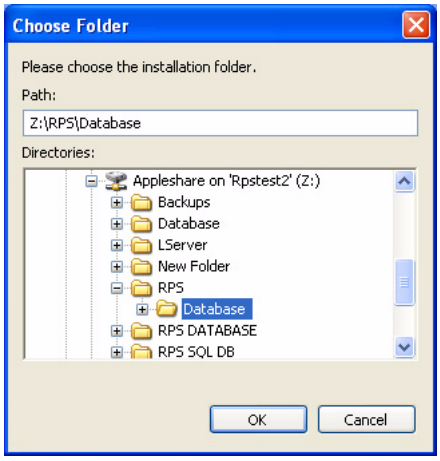


Figure 3.65 RPS Choose folder

8. The New Database Creation dialog returns and shows the new directory path.
   Click **Next**.

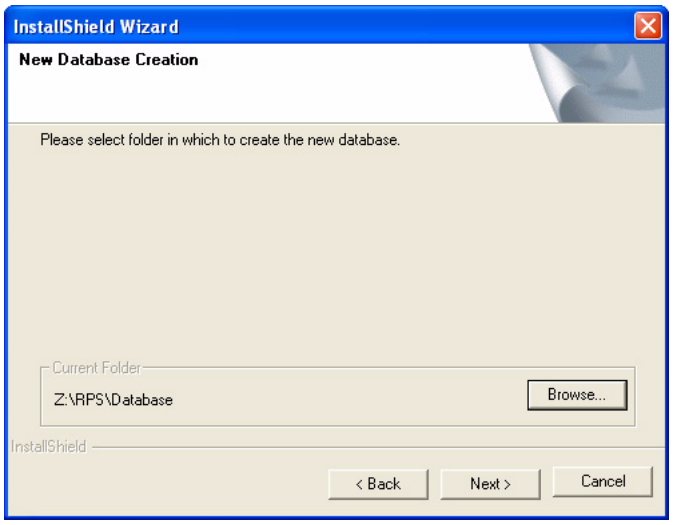


Figure 3.66 RPS New Database Creation

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

NOTICE!
All networked workstations should have the same control panel types selected.

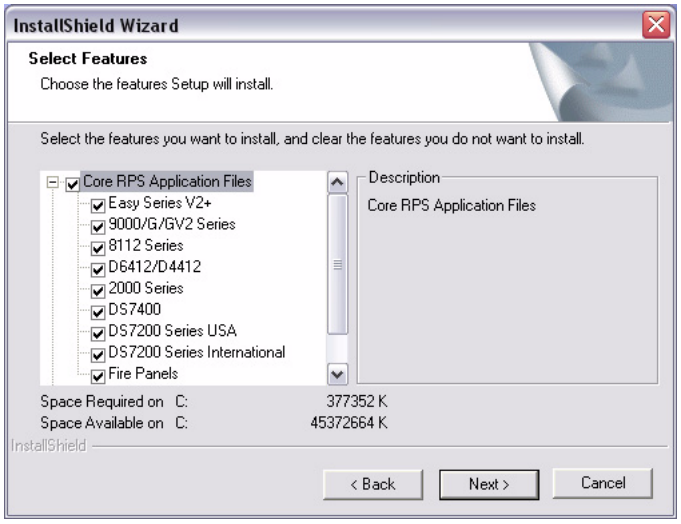


Figure 3.67 RPS Select Features

10. When the Select Program Folder dialog opens, click **Next**.

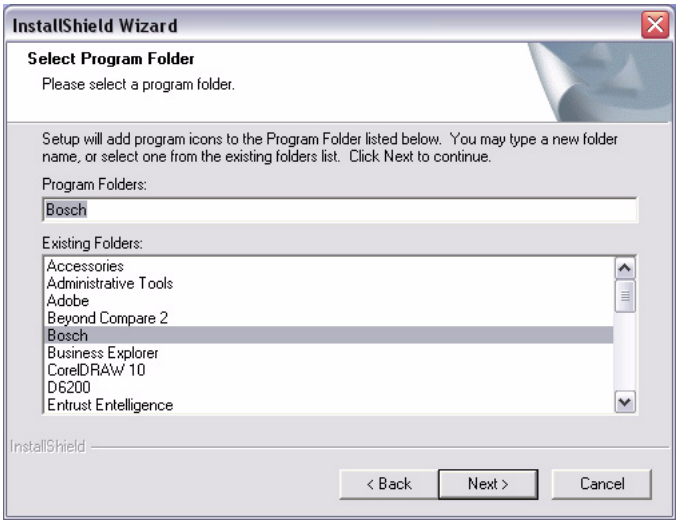


Figure 3.68 RPS Select Program Folder

11. The Start Copying Files dialog opens, listing your selections from the previous steps and confirming that the PC's hard drive has enough unused space for the RPS installation. Click **Next**.

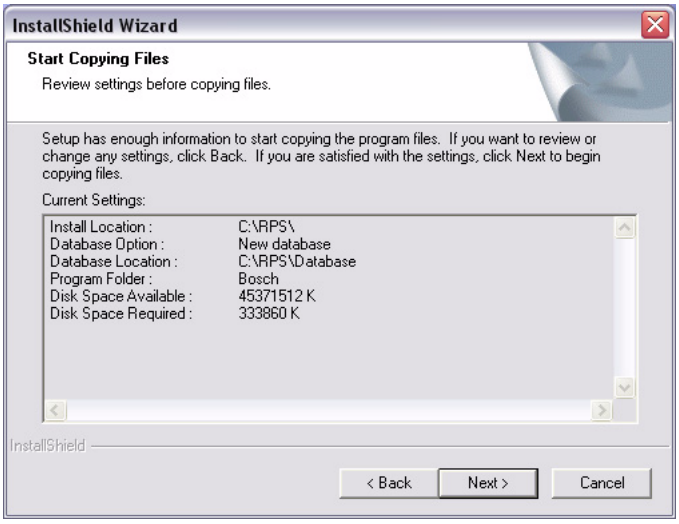


Figure 3.69 RPS Start Copying Files

12. When the InstallShield Wizard Complete dialog opens, click **Finish**.
    The PC restarts.

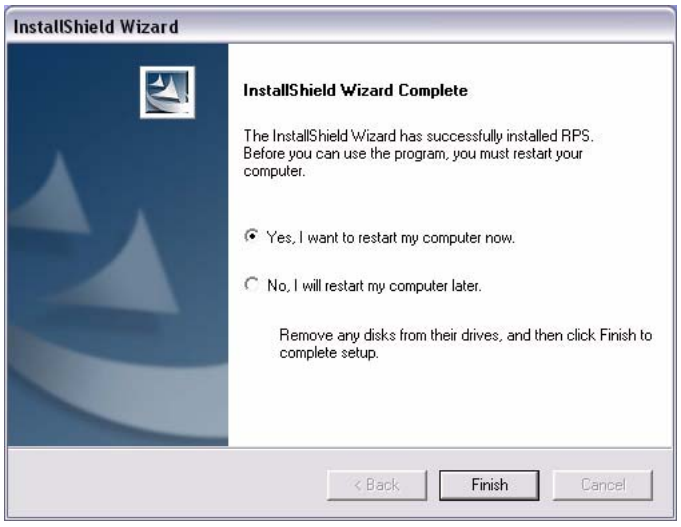


Figure 3.70 RPS InstallShield Wizard Complete

13. After logging onto the PC, start RPS either by selecting **Start>Bosch>RPS 5.x**, or by double-clicking the **RPS 5.x shortcut** on the PC's desktop.
14. In the RPS System Configuration dialog:
    a. Select or enter the SQL server name into the **Select or Enter SQL Server name** field.
    b. Type a database name into the **Enter SQL Database Name** field.
    c. In the **Enter User Name** and **Enter Password** fields, type sa for the User Name and the password used when SQL Express was installed.
    d. Click **Create Database**, which creates a database in SQL with the name you provided.

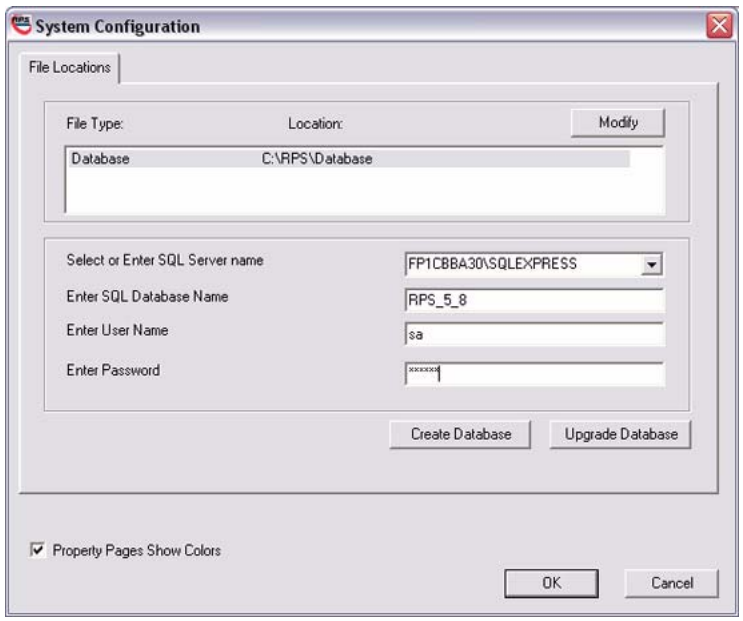


Figure 3.71 RPS System Configuration Dialog

15. The Create Database dialog opens.
    Click **OK**.

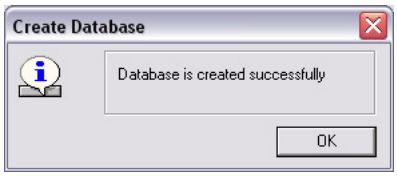


Figure 3.72 RPS Create Database

16. Click **OK** to close the RPS System Configuration dialog.
17. In the RPS Logon Information dialog, enter your RPS **user name** and **password**, then click **OK**.

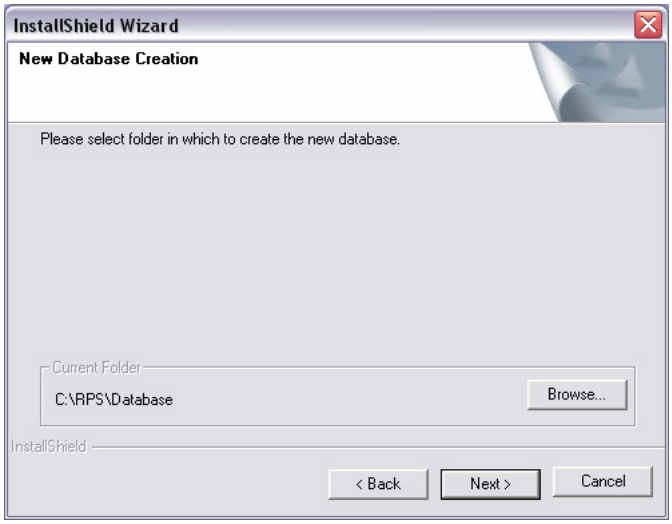


Figure 3.73 RPS Logon Information

The Panel Filter dialog opens. If you want to see a subset of all accounts, enter the filter criteria into the Panel Information fields, then click **OK**. If you want to see all accounts, click **OK**.
Refer to the *RPS General Help* in RPS for more information on the panel filter.

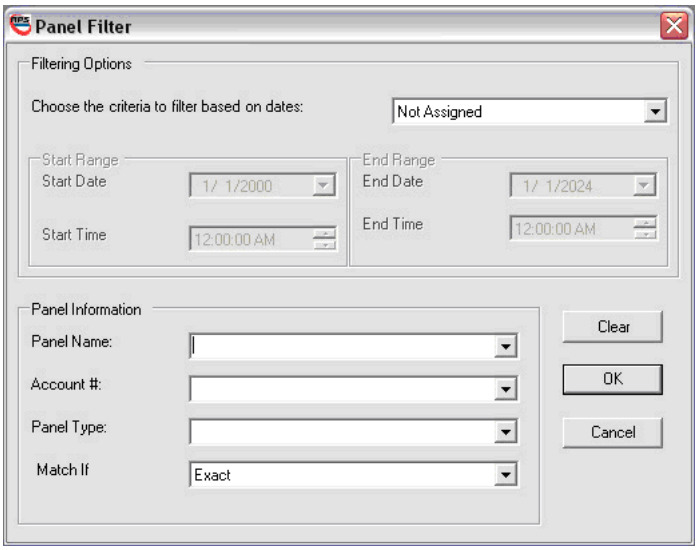


Figure 3.74 RPS Panel Filter Dialog

18. Create and configure the control panel account.

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 on **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 on **SQL Server Browser** and select **Properties**.
- Click the **Start** button to start the SQL Server Browser.
- Select the Service tab, and set Sart Mode to **Automatic**.

3.4.4 Using a Networked Drive to Store Database Files

Use the following to ensure that all your workstations operate correctly with RPS if you are using a networked drive to store your database files:

- Refresh any List view they are using to see changes that are being made by other workstations in the network.
- Back up the network drive's database files frequently so that possible errors made by other users, or hardware problems on the network can be easily corrected.
- Two users cannot create accounts with the same name. If a user creates an account named "Big Mall Store," for example, and saves it to the Panel List, a second user trying to create an account with this same name will get an error message. The user must choose a different account name to correct this problem.
- Only one user at a time may make changes to an account once it is created. **However, a user with an authority level of 15 can overwrite changes being made by a user with a lower authority level.** Ensure that no other operators are using the account at the same time. An account that is already in use by another operator generates a "Panel Already Open" message.
- The Panel Already Open window has three option buttons:
  - **Yes:** Click **Yes** to try to override the lock and save changes made by the operator who currently has the account open.
  - **No:** Click **No** to try to override the lock and ignore changes made by the operator who currently has the account open.
  - **Cancel:** Click **Cancel** to close the Panel Already Open dialog without attempting to override a locked account. The account opens in View Only mode.
- If you wish to override the locked account by clicking **Yes** or **No**, a progress indicator appears while RPS attempts to override the locked account.
  - If the lock override succeeds, a message appears telling the operator with the account currently open that the account was taken over. The account is then put into View Only mode. Only the operator who initiated the lock override can modify the account from this point on.
  - If the lock override fails, a different dialog appears indicating the failure.

4 Upgrading Existing RPS Installations

4.1 Upgrading RPS Client and Access Database to SQL

1. If necessary, install SQL Express from the RPS CD-ROM.
2. Open the RPS installer from the RPS CD-ROM.
3. Select your setup language preference, then click **OK**.

Figure 4.1 RPS Choose Setup Language

4. When the Welcome dialog opens, click **Next**.

Figure 4.2 RPS InstallShield Welcome Dialog

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

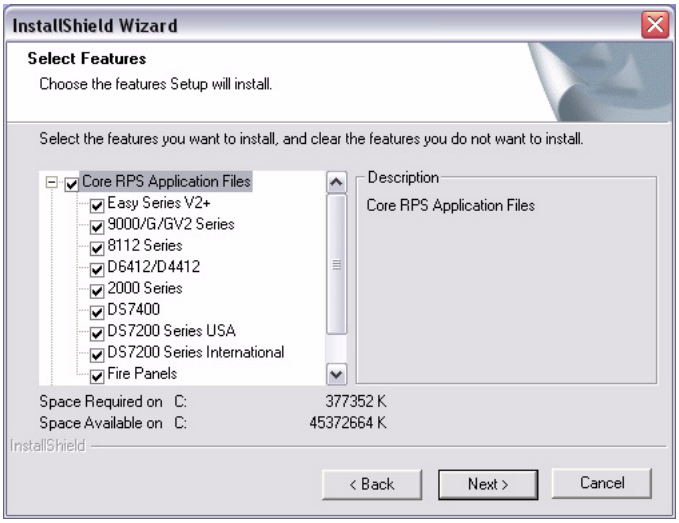


Figure 4.3 RPS Select Features Dialog

6. When the Select Program Folder dialog opens, click **Next**.

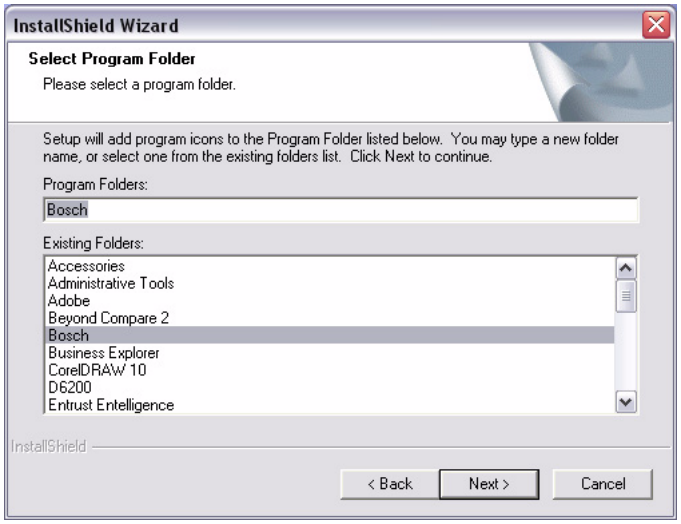


Figure 4.4 RPS Select Program Folder Dialog

7. The Start Copying Files dialog opens, listing your selections from the previous steps and confirming that the PC's hard drive has enough unused space for the RPS installation. Click **Next**.
   The Setup Status dialog indicates the installer's progress.

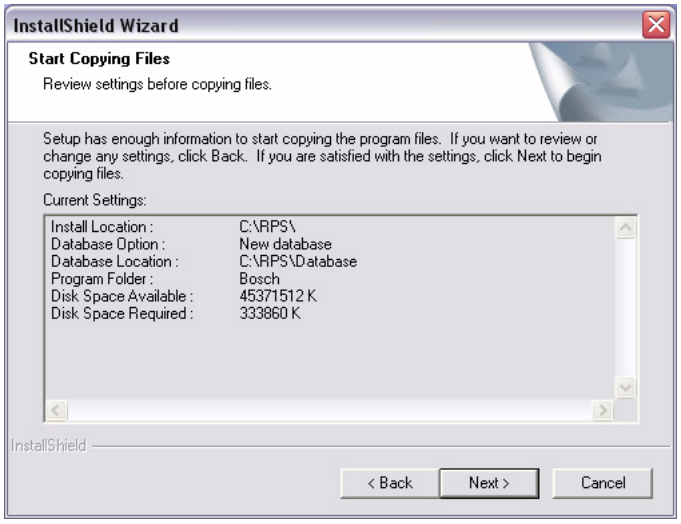


Figure 4.5 RPS Start Copying Files

8. When the InstallShield® Wizard Complete dialog opens, click **Finish**.
   The PC restarts.

Figure 4.6 RPS InstallShield Wizard Complete Dialog

9. After logging onto the PC, start RPS either by selecting **Start>Bosch>RPS 5.x**, or by double-clicking the **RPS 5.x shortcut** on the PC's desktop.
10. If necessary and if you do not know the SQL Server name, select **Start>Microsoft SQL Server 2005>SQL Server Management Studio Express**.
    The SQL Server 2005 Connect to Server dialog opens.

Figure 4.7 SQL Server 2005 Connect to Server Dialog

11. From the Connect to Server dialog, copy the text from the **Server name** field into the PC's clipboard.

12. In the RPS System Configuration dialog:
    a. Paste the text copied in the previous step into the **Select or Enter SQL Server name** field.
    b. Type a database name into the **Enter SQL Database Name** field.
    c. In the **Enter User Name** and **Enter Password** fields, type the same name (sa for SQL Express) and password used when the SQL database was installed.
    d. Click **Create Database**, which creates a database in SQL Express with the name you provided.

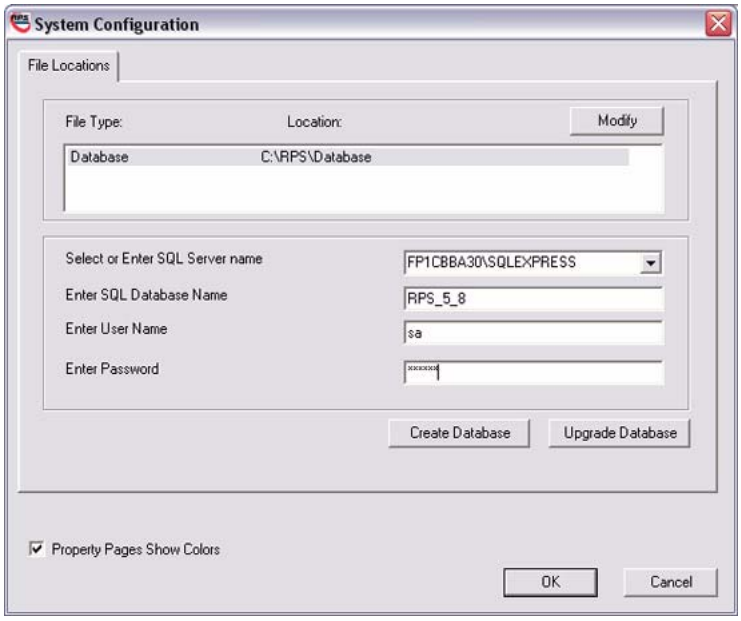


Figure 4.8 RPS System Configuration Dialog

The database Merge Utility opens.

13. In the Database Merge Utility dialog, select the **Source Database Details** tab, then confirm that the path to the Access Database is correct.

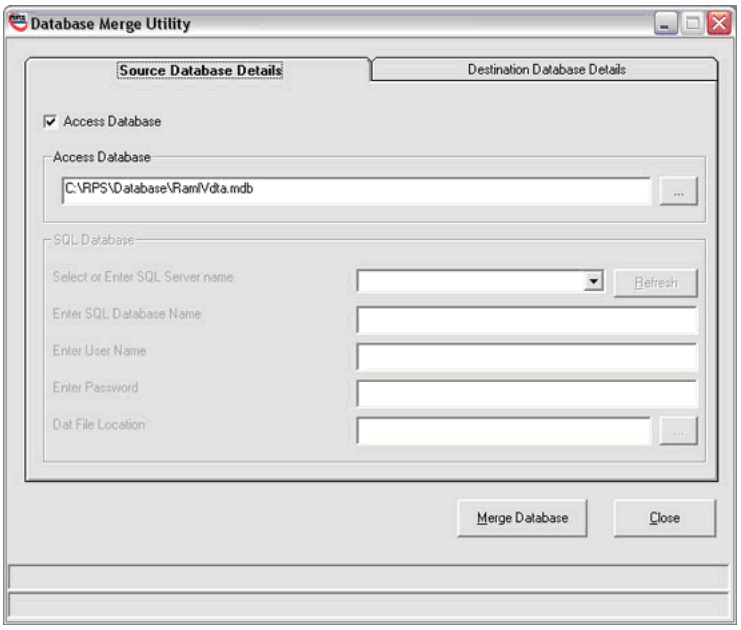


Figure 4.9 RPS Database Merge Utility Dialog

14. In the Database Merge Utility dialog, select the **Destination Database Details** tab, then confirm that the **SQL Database** fields are configured correctly.
    If the **Dat File Location** field is not pointing to the correct directory, click **...** and navigate to the correct directory, then click **Merge Database**.

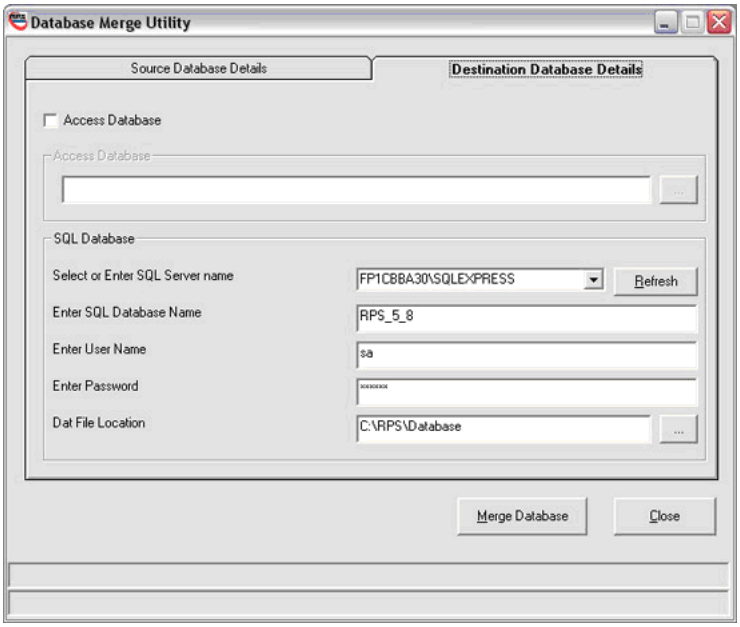


Figure 4.10 RPS Destination Database Details Dialog

15. In the confirmation dialog, click **OK**.

Figure 4.11 Database Merge Success

16. Close the MS SQL Server Management Studio dialog.
17. In the RPS System Configuration dialog, click **OK**.
18. In the RPS Logon Information dialog, type the RPS **user name** and **password**, then click **OK**.

Figure 4.12 RPS Logon Information Dialog

The Panel Filter dialog opens. If you want to see a subset of all accounts, enter the filter criteria into the Panel Information fields, then click **OK**. If you want to see all accounts, click **OK**.

Refer to the *RPS General Help* in RPS for more information about the panel filter.

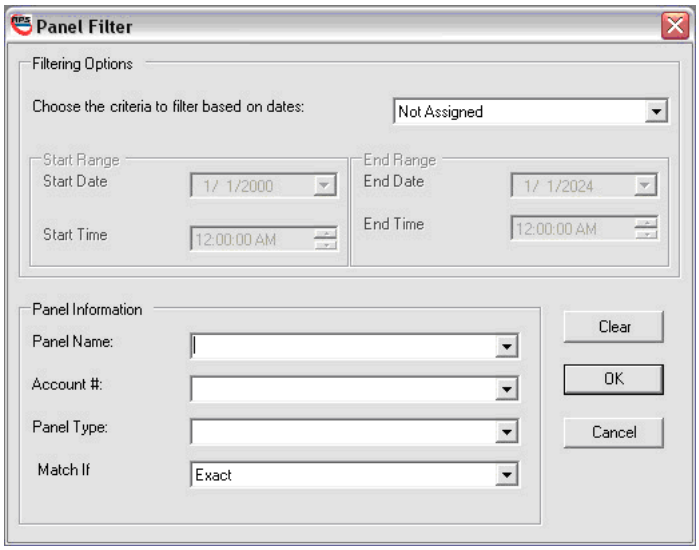


Figure 4.13 RPS Panel Filter Dialog

19. Create and configure the control panel account.

4.2 Upgrading the SQL Server Database From the Server

1. Open the SQL Server Management Studio.

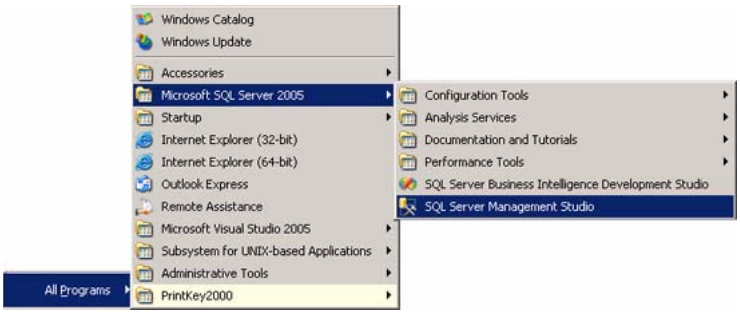


Figure 4.14 Path to SQL Server Management Studio

2. Log into the database.

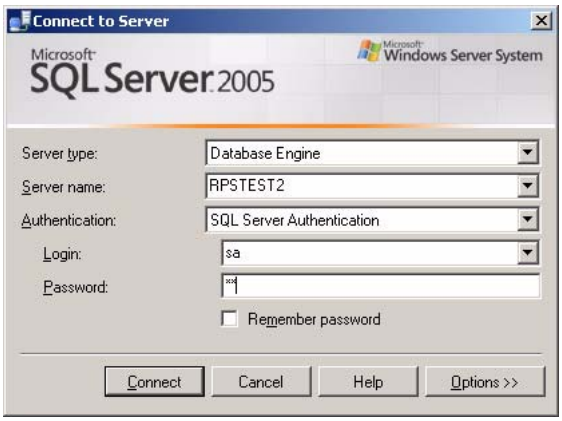


Figure 4.15 SQL Server 2005 Connect to Server

3. In SQL Server, select **File>Open>File**.

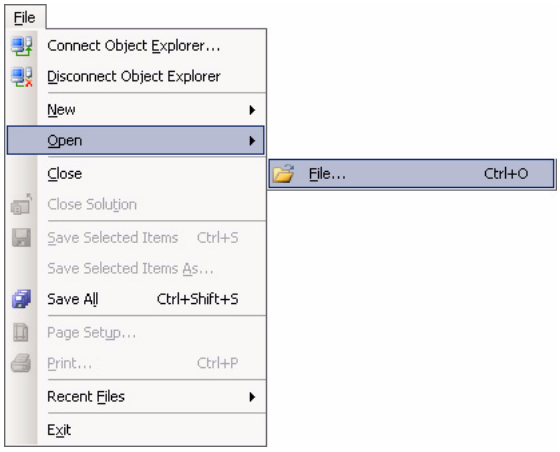


Figure 4.16 SQL Server File > Open > File Path

4. Locate the **SQL upgrade script file** on the RPS CD-ROM, then click **Open**.

5. Log in again, then click **Connect**.

Figure 4.17 SQL Server 2005 Connect to Database Engine

6. In the **drop-down menu**, select the RPS database that you are upgrading.

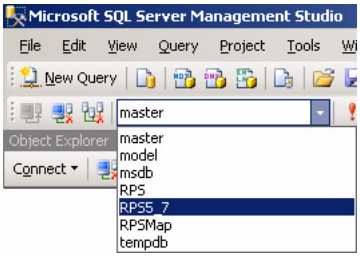


Figure 4.18 SQL Server 2005 Upgrade RPS Database

7. Select **Query>Execute**. When you see **Query executed successfully** on the bottom of the window, the database is upgraded.

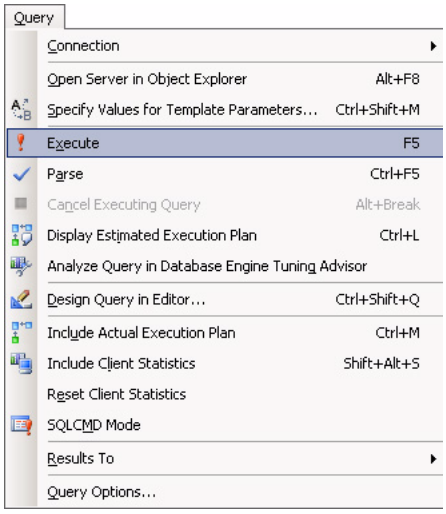


Figure 4.19 SQL Server 2005 Query > Execute

8. Close Microsoft SQL Server Studio.
9. If you have not already done so, upgrade the **RPS .dat** files.
   Refer to *Section 4.6 Upgrading RPS .dat Files on the Server* on page 66.

NOTICE!
You must now upgrade all clients to the same RPS version to match the SQL database.

4.3 Upgrading the SQL Express Database From the Server

1. Open the SQL Server Management Studio.
2. Log into the database.

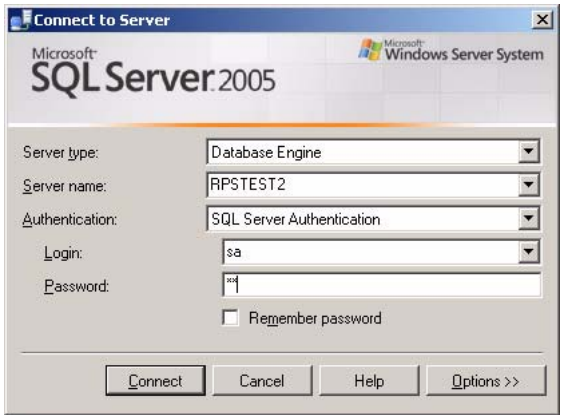


Figure 4.20 Path to SQL Server Management Studio

3. In SQL Server, select **File>Open>File**.

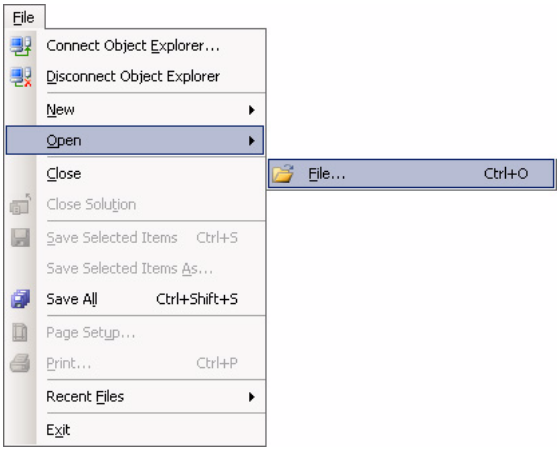


Figure 4.21 SQL Server File > Open > File

4. Locate the **SQL upgrade script** file on the RPS CD-ROM, then click **Open**.
5. Log into the database again, then click **Connect**.

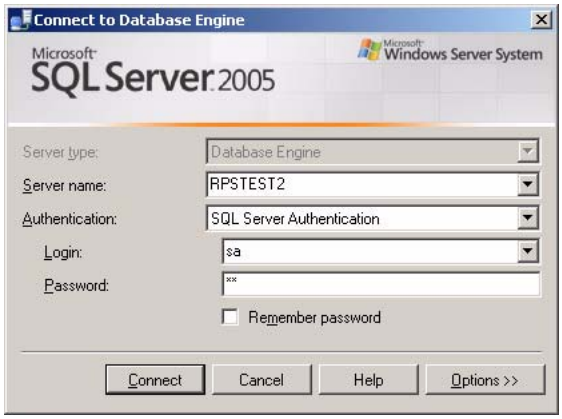


Figure 4.22 SQL Server 2005 Connect to Database Engine

6. In the **drop-down menu**, select the RPS database that you are upgrading.

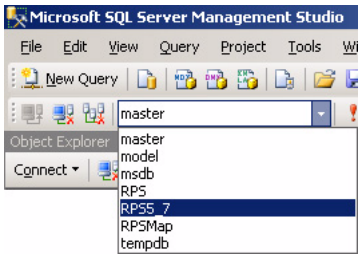


Figure 4.23 SQL Server 2005 Upgrade RPS Database

7. Select **Query>Execute**.
   When you see **Query executed successfully** on the bottom of the dialog, the database is upgraded.

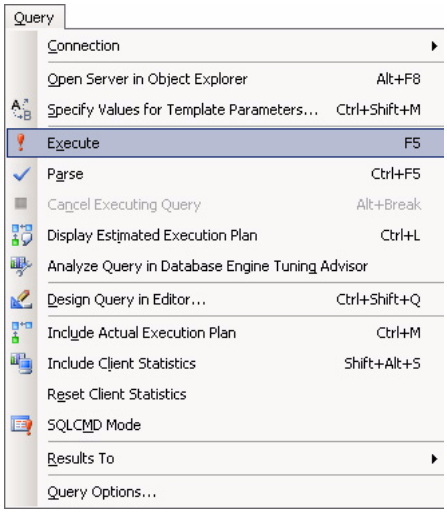


Figure 4.24 SQL Server 2005 Query > Execute

8. Close Microsoft SQL Server Studio.
9. If you have not already done so, upgrade the **RPS .dat** files.
   Refer to *Section 4.6 Upgrading RPS .dat Files on the Server*, page 66, for more information.

NOTICE!
You must now upgrade all clients to the same RPS version to match the SQL database.

4.4 Upgrading SQL Server Database from the RPS Client

NOTICE!
If you have already upgraded the database for SQL Server or SQL Express from the server, you can skip this section and proceed to *Section 4.5 Upgrading the RPS Client Only (if using a network database)*, page 63.

1. Instruct all users to log out of RPS.
2. Open the RPS installer from the RPS CD-ROM.
3. Select your setup language preference, then click **OK**.

Figure 4.25 RPS Choose Setup Language

4. When the Welcome dialog opens, click **Next**.

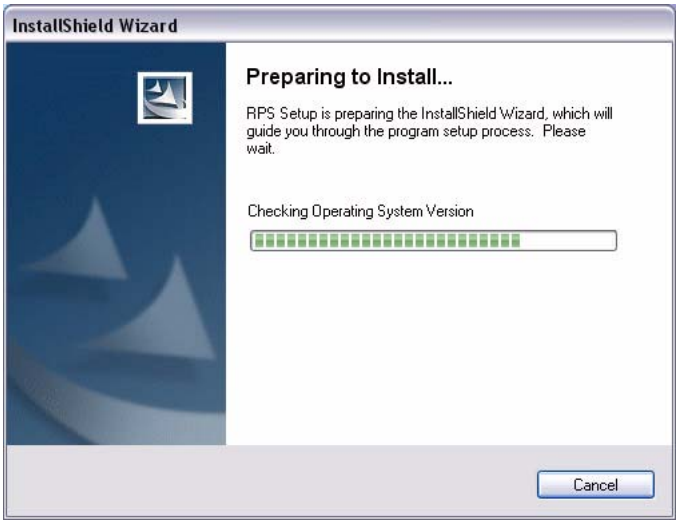


Figure 4.26 RPS InstallShield Wizard Welcome Dialog

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

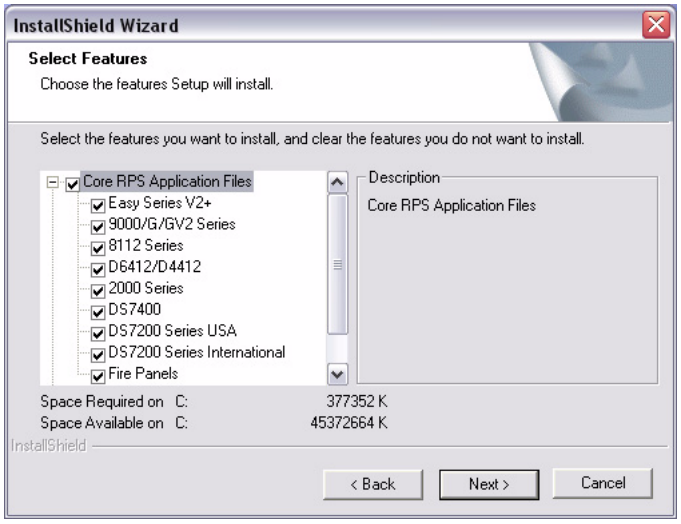


Figure 4.27 RPS Select Features Dialog

6. When the Select Program Folder dialog opens, click **Next**.

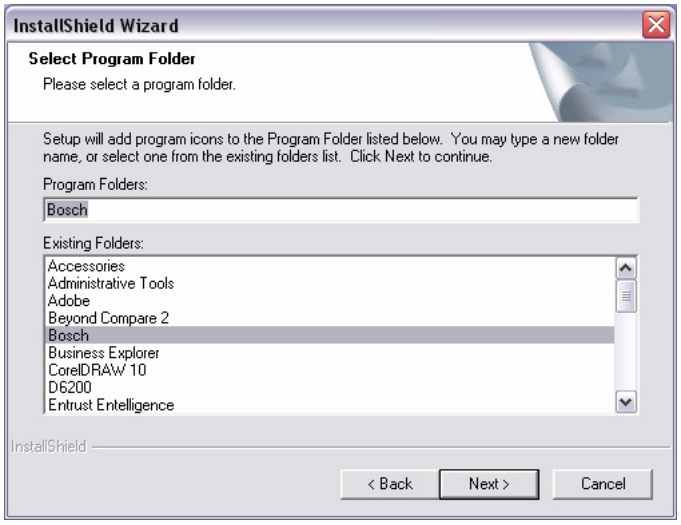


Figure 4.28 RPS Select Program Folder Dialog

7. The Start Copying Files dialog opens, listing your selections from the previous steps and confirming that the PC's hard drive has enough unused space for the RPS installation. Click **Next**.
   The Setup Status dialog indicates the installer's progress.

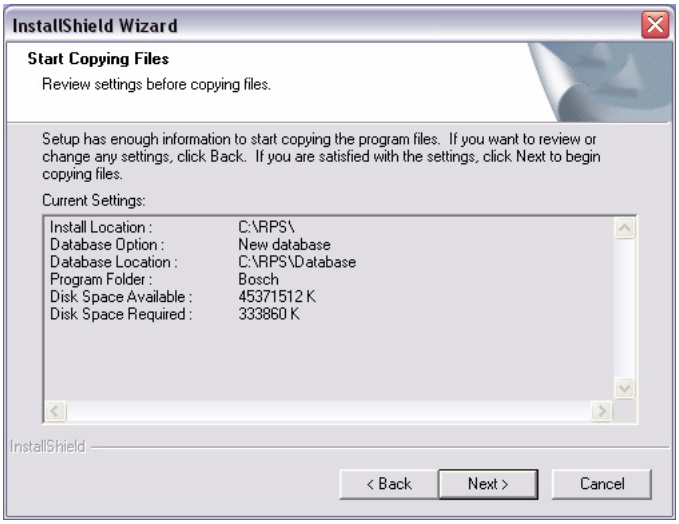


Figure 4.29 RPS Start Copying Files

8. When the InstallShield Wizard Complete dialog opens, click **Finish**.
   The PC restarts.

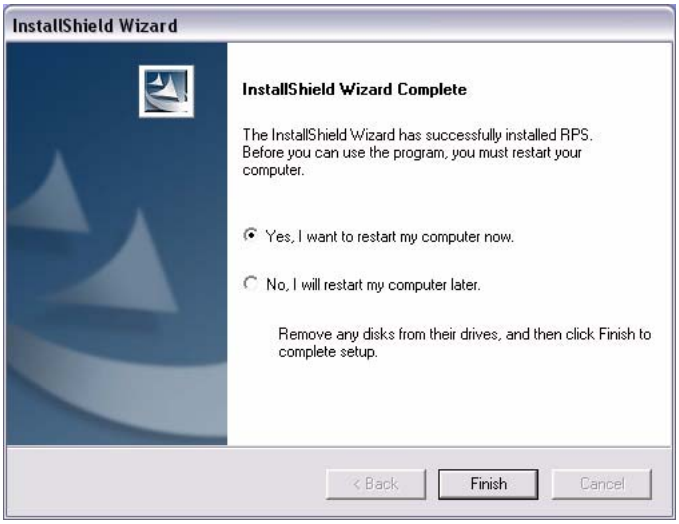


Figure 4.30 RPS InstallShield Wizard Complete Dialog

9. After logging onto the PC, start RPS either by selecting **Start>Bosch>RPS 5.x**, or by double-clicking the **RPS 5.x shortcut** on the PC's desktop.

10. An error dialog opens. Click **OK**.

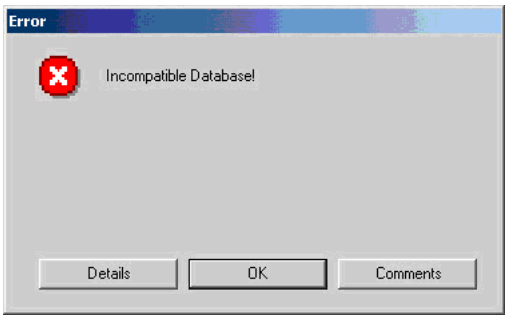


Figure 4.31 RPS Incompatible Database Message Dialog

11. In the RPS System Configuration dialog, click **Upgrade Database**.

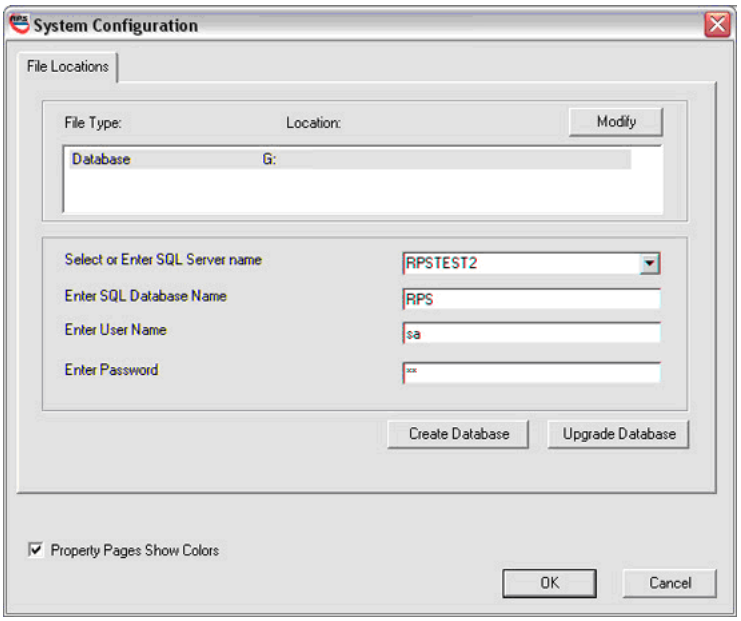


Figure 4.32 RPS System Configuration Dialog

12. A confirmation dialog opens.
    Click **OK**.

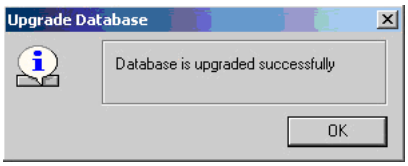


Figure 4.33 RPS Upgrade Database Dialog

13. In the RPS Logon Information dialog, type the RPS **user name** and **password**, then click **OK**.

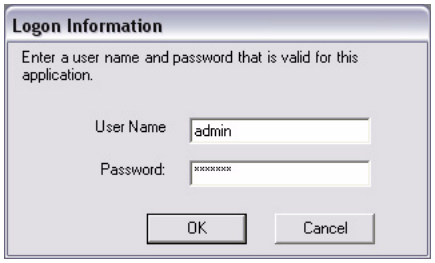


Figure 4.34 RPS Logon Information Dialog

The Panel Filter dialog opens. If you want to see a subset of all accounts, enter the filter criteria into the Panel Information fields, then click **OK**. If you want to see all accounts, click **OK**.
Refer to the *RPS General Help* in RPS for more information on the panel filter.

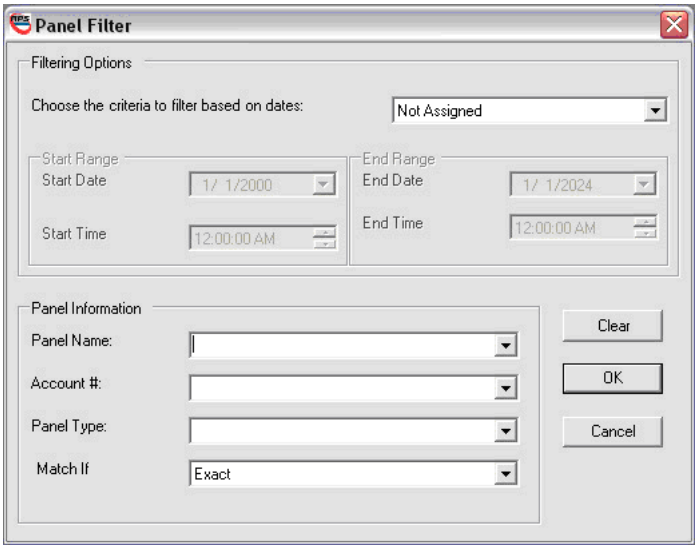


Figure 4.35 RPS Panel Filter Dialog

14. Create and configure the control panel account.

4.5 Upgrading the RPS Client Only (if using a network database)

1. Open the RPS installer from the RPS CD-ROM.
2. Select your setup language preference, then click **OK**.

Figure 4.36 RPS Choose Setup Language Dialog

3. When the Welcome dialog opens, click **Next**.

Figure 4.37 RPS InstallShield Wizard Welcome Dialog

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

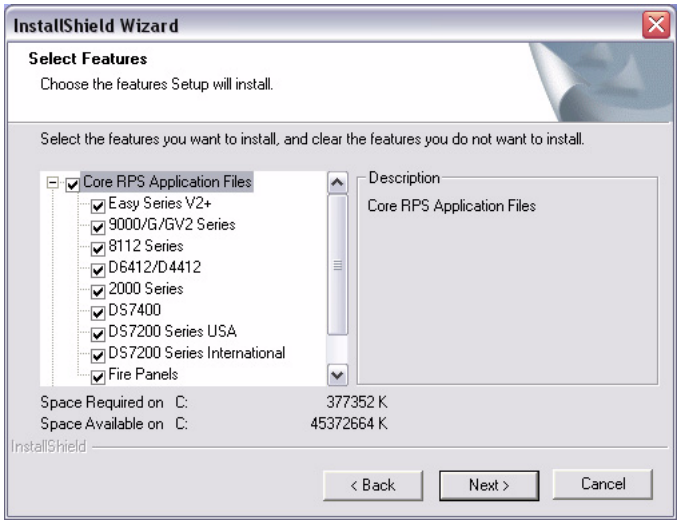


Figure 4.38 RPS Select Features Dialog

5. When the Select Program Folder dialog opens, click **Next**.

Figure 4.39 RPS Select Program Folder Dialog

6. The Start Copying Files dialog opens, listing your selections from the previous steps and confirming that the PC's hard drive has enough unused space for the RPS installation. Click **Next**.

   The Setup Status dialog indicates the installer's progress.

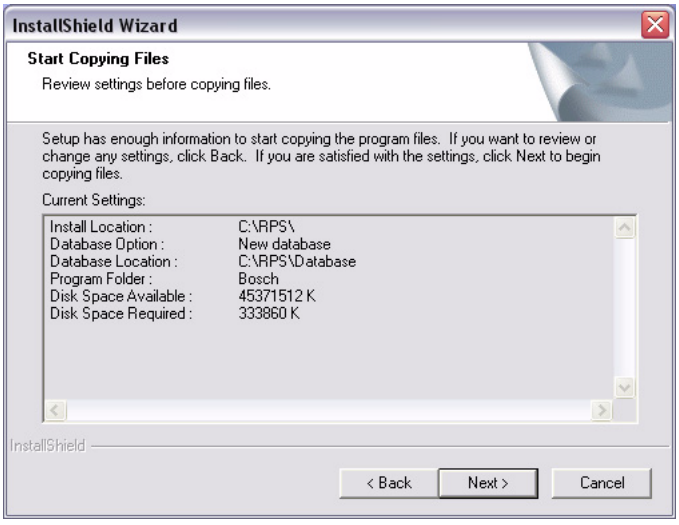


Figure 4.40 RPS Start Copying Files Dialog

7. When the InstallShield Wizard Complete dialog opens, click **Finish**.
   The PC restarts.

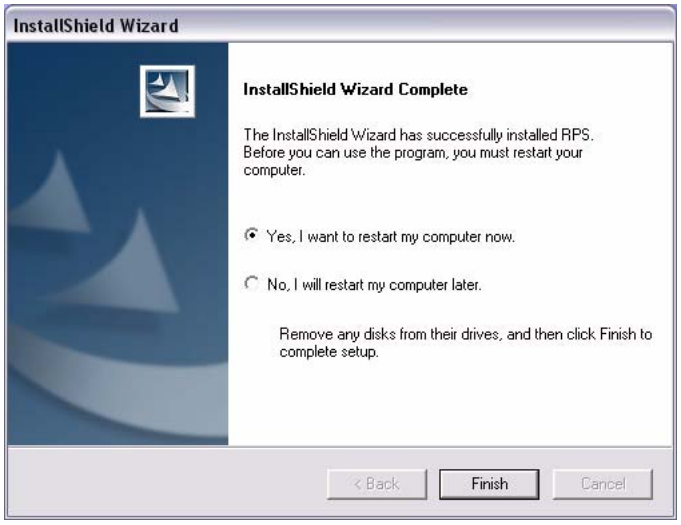


Figure 4.41 RPS InstallShield Wizard Complete

8. After logging onto the PC, start RPS either by selecting **Start>Bosch>RPS 5.x**, or by double-clicking the **RPS 5.x shortcut** on the PC's desktop.
9. Log into RPS.
10. In the RPS System Configuration dialog, click **Modify** and change the location so that it points to the network database again. Also, confirm that the SQL database information is correct.

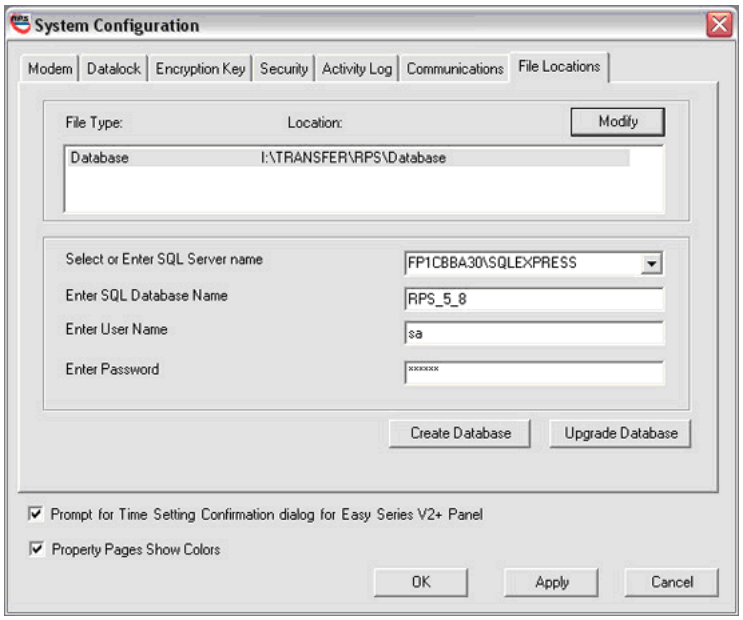


Figure 4.42 RPS System InstallShield Configuration Dialog

11. In the RPS System Configuration dialog, click **OK**.

12. In the RPS Logon Information dialog, type the RPS **user name** and **password**, then click **OK**.

Figure 4.43 RPS Logon Information Dialog

13. Create and configure the control panel account.

4.6 Upgrading RPS .dat Files on the Server

1. Use Windows Explorer to open the **SQL Dat File Upgrade.zip** file from the RPS CD-ROM.
2. Extract the contents of the .zip file into the existing RPS Database directory, and replace all existing files.

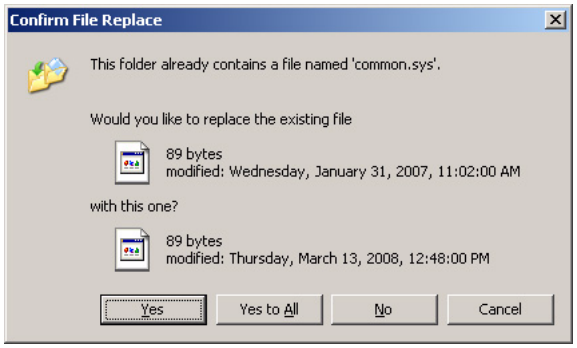


Figure 4.44 RPS Logon Information

3. Upgrade all RPS clients connected to the server.

5 Post-Installation/Upgrade Tasks

5.1 Switching From a Client to 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. Locate the RPS\Database directory on the local drive.
2. Using Windows Explorer, right-click on the Database directory, then select **Sharing and Security...**.

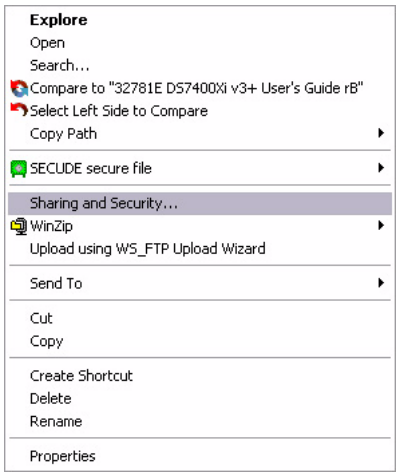


Figure 5.1 Windows Explorer > Sharing and Security

3. In the Properties dialog, select **Share this folder**, then click **Permissions**.

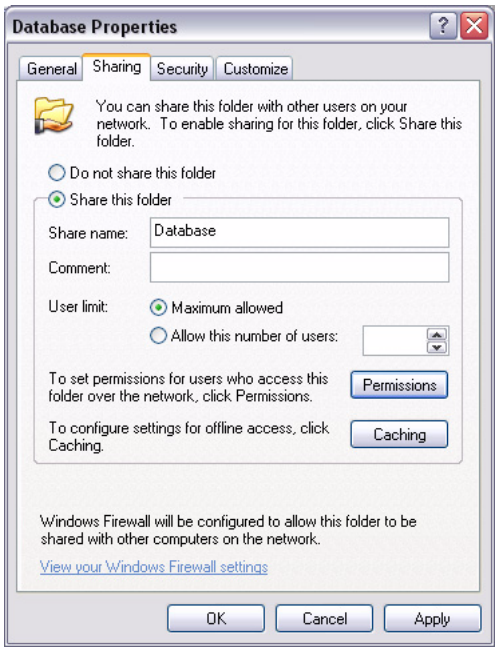


Figure 5.2 Windows Explorer > Database Properties

4. In the **Permissions** dialog, select **Allow** for the **Change** and **Read** permissions, then click **OK** to close the **Permissions** and **Properties** dialogs.

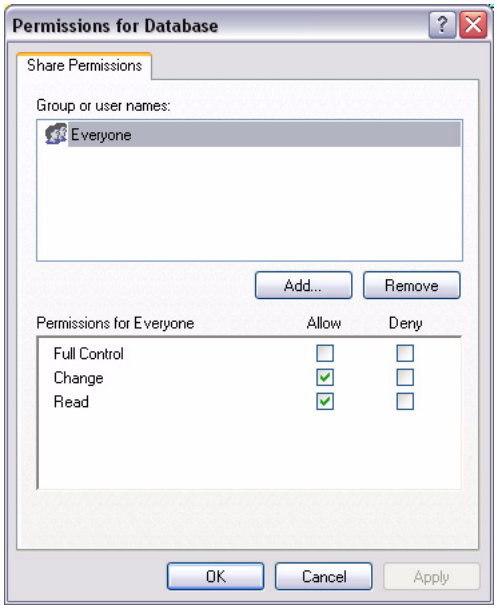


Figure 5.3 Windows Explorer > Permissions for Database

5. Copy the Database directory to the new location on the network drive.
6. Start RPS, and log on when the RPS Logon Information dialog opens.

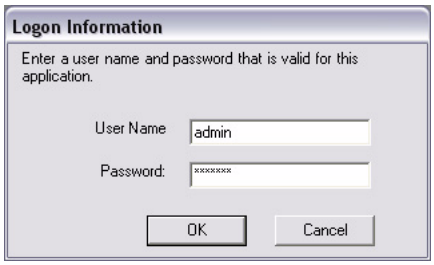


Figure 5.4 RPS Logon Information

7. Select **Config > System**.
   The System Configuration dialog opens.

8. Select the **File Locations** tab, then click **Modify** and navigate to the directory location you created on the network drive in Step 5.

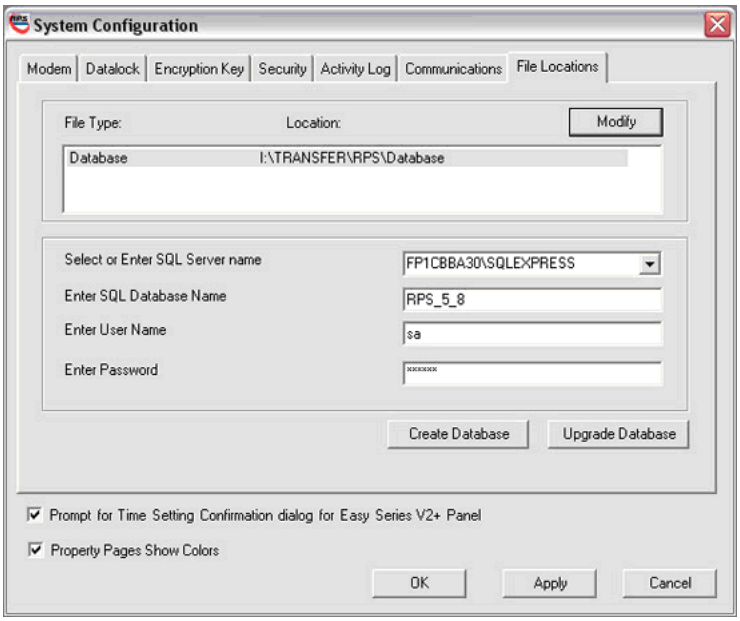


Figure 5.5 RPS File Locations Tab

– 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**.

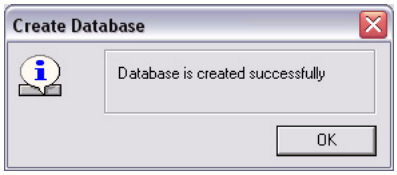


Figure 5.6 RPS Create Database

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

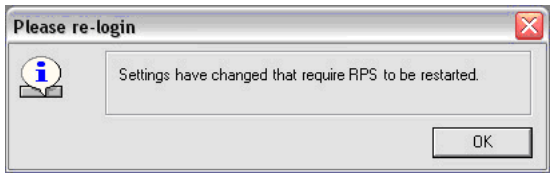


Figure 5.7 RPS Please Re-Login

When the database files are stored 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.

5.2 Reverting to Previous RPS Installation After SQL Upgrade

5.2.1 Reverting 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**.

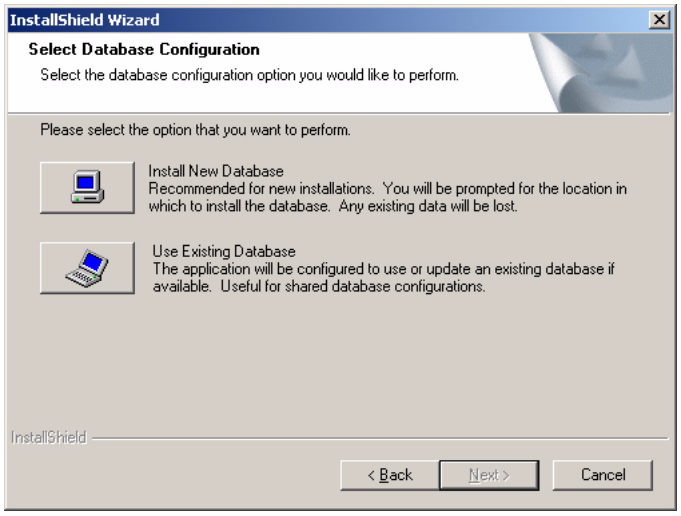


Figure 5.8 RPS Select Database Configuration

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

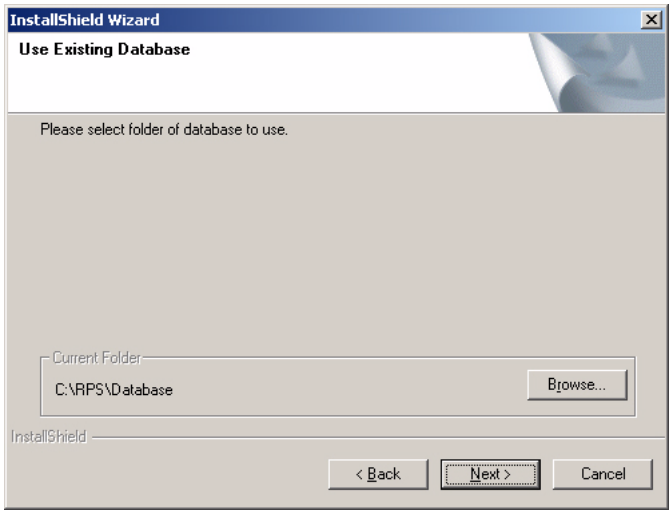


Figure 5.9 RPS Use Existing Database

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

5.2.2 Reverting 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....**.

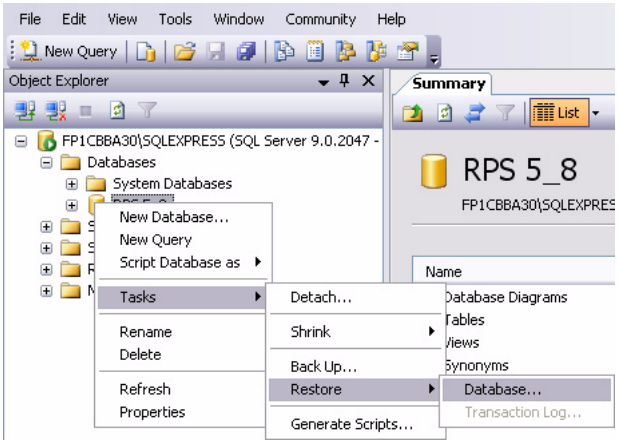


Figure 5.10 SQL Server 2005

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

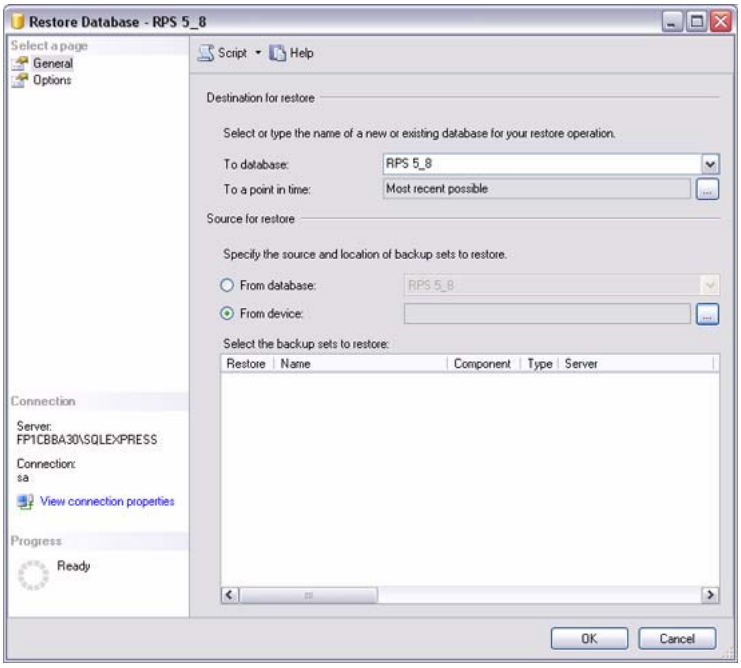


Figure 5.11 SQL Server 2005 Restore Database

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

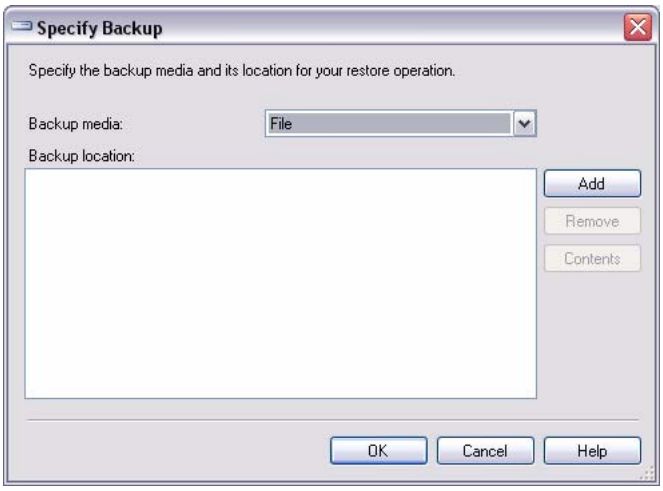


Figure 5.12 SQL Server Specify Backup

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

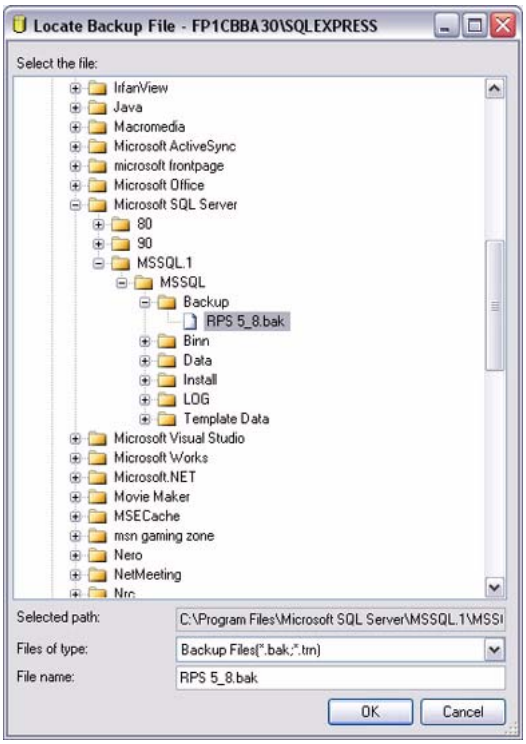


Figure 5.13 SQL Server Locate Backup File

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

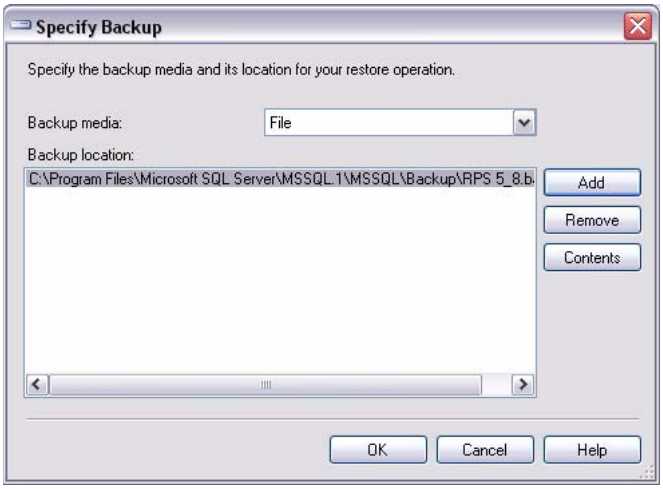


Figure 5.14 SQL Server Specify Backup

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

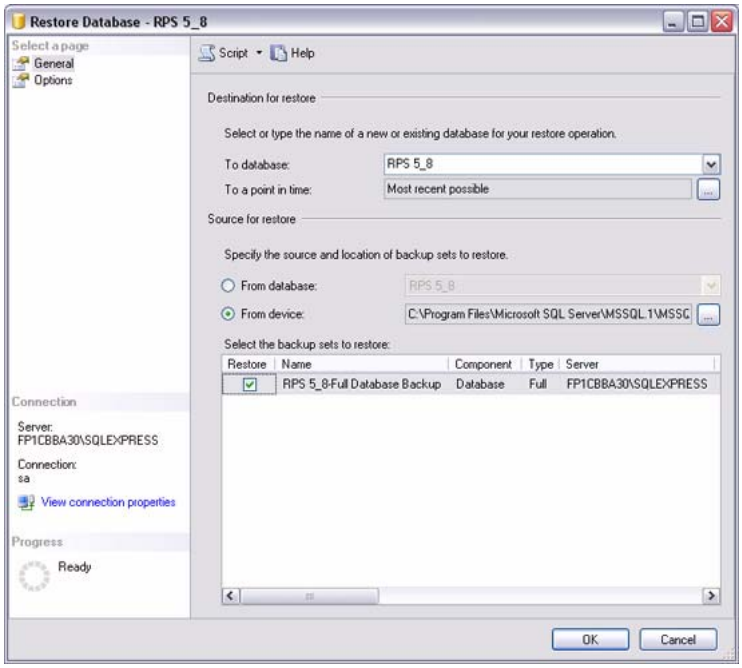


Figure 5.15 SQL Server Restore Database

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

Figure 5.16 SQL Server Successful Database Restore

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**.

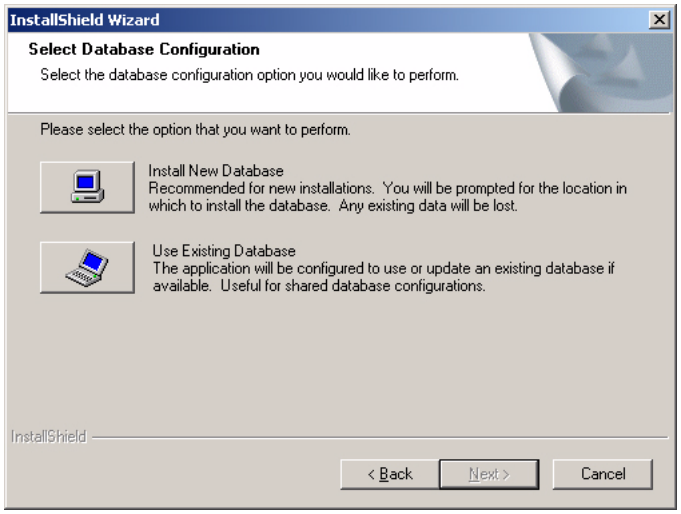


Figure 5.17 RPS Select Database Configuration

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

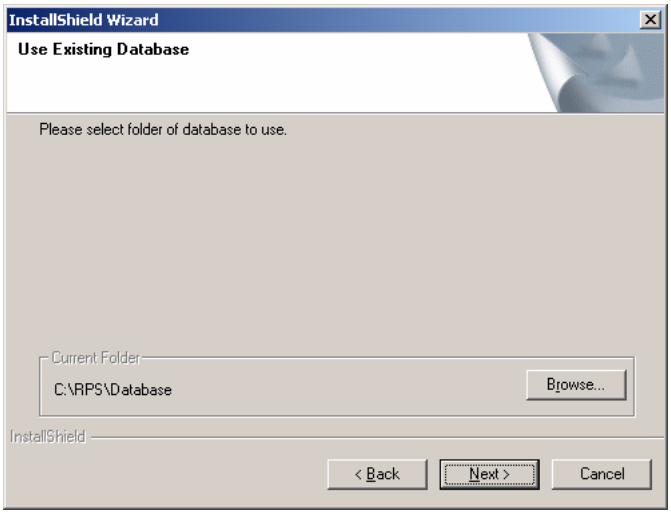


Figure 5.18 RPS Use Existing Database

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

5.3 Setting 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.

5.4 Backing 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**.

Figure 5.19 SQL Server 2005 Connect to Server

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

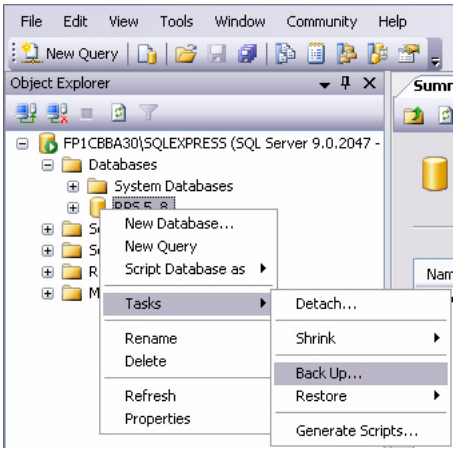


Figure 5.20 SQL Server 2005 Tasks > Back Up

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

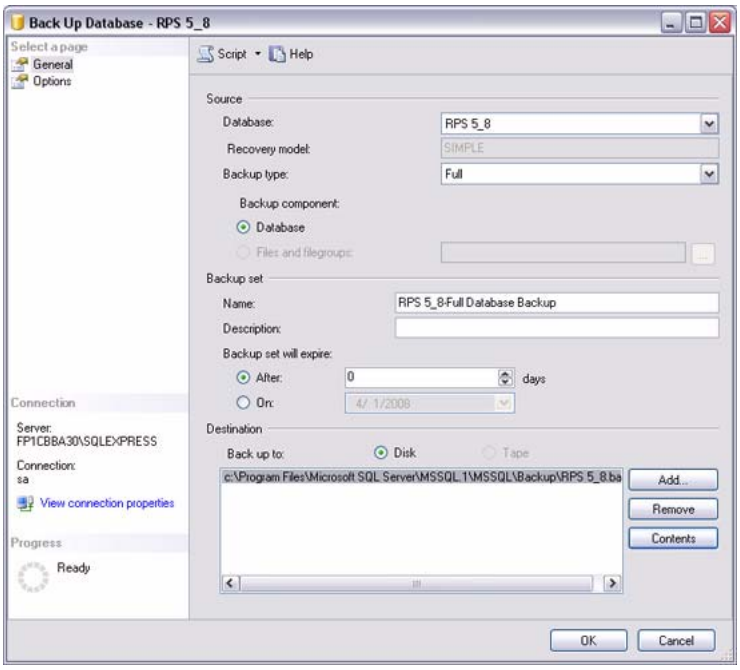


Figure 5.21 SQL Server 2005 Back Up Database

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

Figure 5.22 Backup Completed Successfully

6 RPS Setup and Maintenance

6.1 Modifying 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 or remove currently installed features:

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

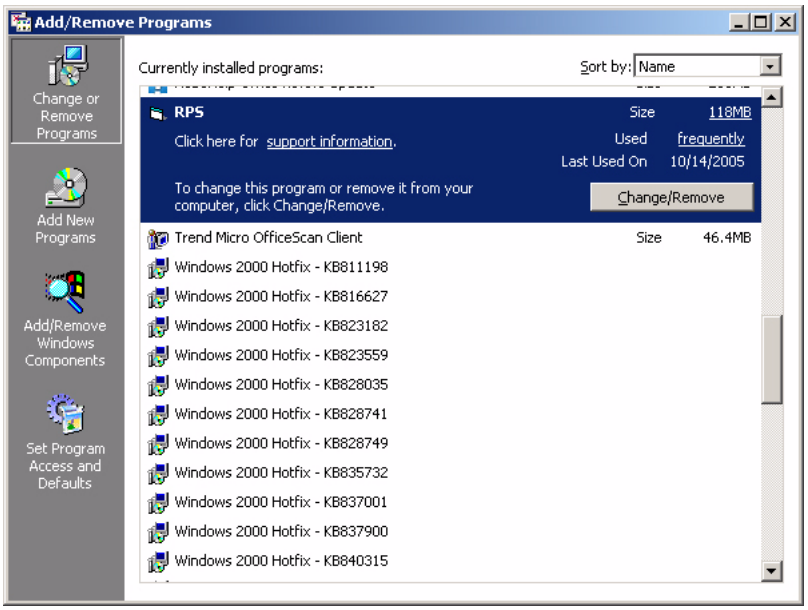


Figure 6.1 Add/Remove Programs Window

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

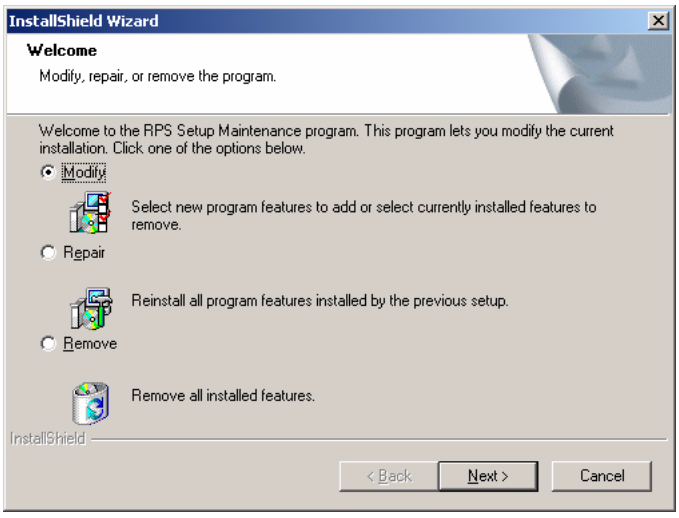


Figure 6.2 RPS Setup Maintenance Window

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

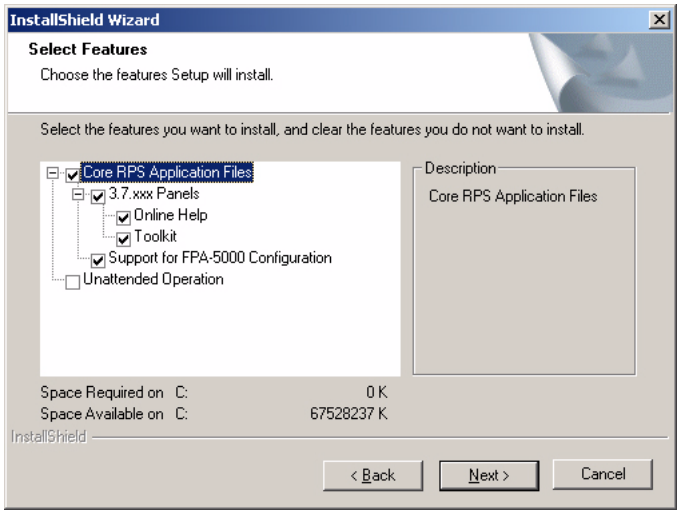


Figure 6.3 Select Features Window

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 Repairing 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. Refer to *Figure 6.1*.
2. Scroll down the list until you see **RPS**. Click **RPS** to select it.
3. Click **Change/Remove**. The RPS Setup Maintenance dialog opens. Refer to *Figure 6.2*.
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.

6.3 Removing RPS

To remove RPS and all of its features:

1. Select **Start > Settings > Control Panel > Add/Remove Programs**. The Add/Remove Programs dialog opens. Refer to *Figure 6.1*.
2. Scroll down the list until you see **RPS**. Click **RPS** to select it.
3. Click **Change/Remove**. The RPS Setup Maintenance dialog opens. Refer to *Figure 6.2*.
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.

7 Logging 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.

7.1 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 > Programs > Bosch > RPS** (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.

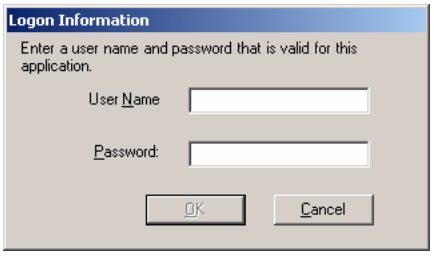


Figure 7.1 Logon Information Window

3. Click **OK** to continue.

7.2 Changing the Password

To change the default password:

1. From RPS, select Config Password.

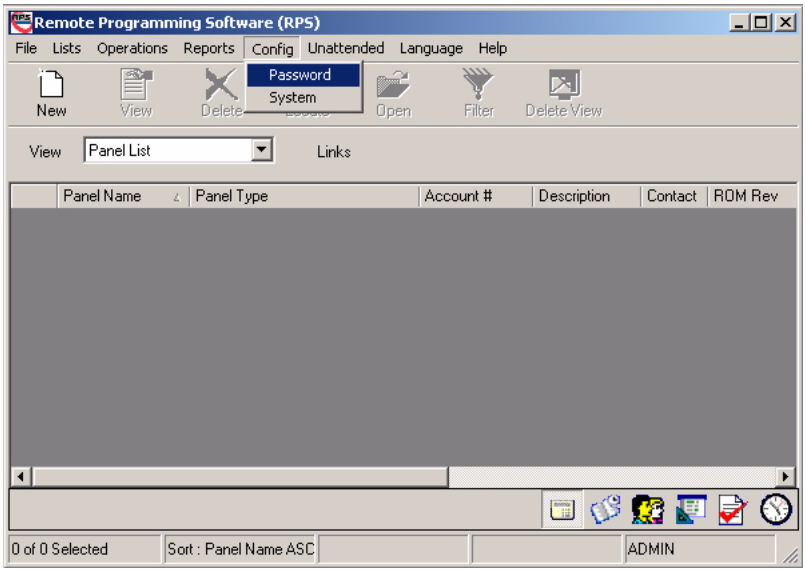


Figure 7.2 Accessing the Change Password Window

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.

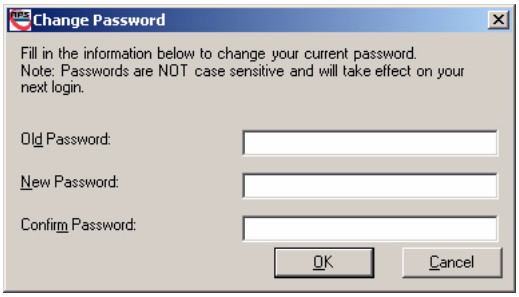


Figure 7.3 Logon Information Window

8 Recovering 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 6.3 Removing RPS* on page80.
2. Reinstall the old version of RPS
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.

9 RPS Operation and Control Panel Account Notes

9.1 RPS Notes

9.1.1 Installation and Administration

When using the RAM II Exporter, use the Exporter R2X_V004.exe file. Do not use any other Ram2expt files

9.1.2 General Operation

If your PC runs Windows XP Service Pack 2 or higher 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.

9.1.3 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.

9.2 Control Panel Account Notes

9.2.1 2000 Series

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

9.2.2 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.

9.2.3 D7024 and DS9400

- **Firmware Revision:** To program the FACP using RPS, the FACP must have firmware version 2.02 or higher 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 higher. 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."

9.2.4 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.

9.2.5 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.

9.2.6 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.

9.2.7 Control Panel Help Files

Some of the control panel help file topics might show "Blank" as a valid selection. RPS might show "0" for these same selections. Some programming defaults shown in the control panel help file topics might not be accurate. Refer to the defaults in RPS in these cases.

Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, NY 14450
USA
(800) 289-0096
www.boschsecurity.com
© Bosch Security Systems, Inc., 2008