RPS

Installation and Operation Guide

Remote Programming

EN Software

BOSCH

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Contents

Figures

1.0 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.

1.1 Release Notes

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

1.2 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

> **i** RPS has not been tested on Windows Vista™.
>
> Unattended Mode does not run on 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.

2.0 Installation

2.1 Installing Hardware

2.1.1 Installing a Modem

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

2.1.2 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.
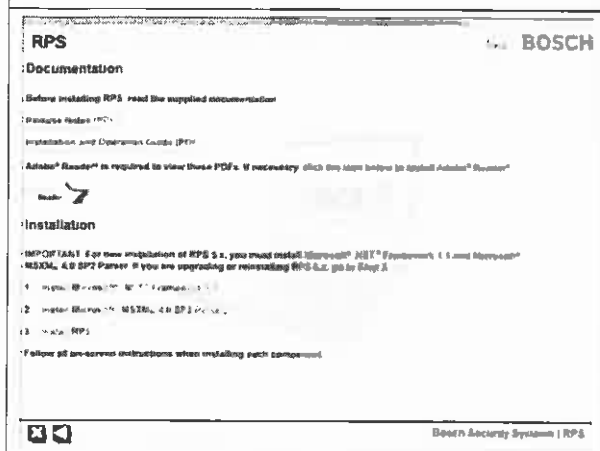
2.2 Installing RPS

2.2.1 RPS Startup

1. Insert the RPS CD-ROM into your CD-ROM drive.

   The RPS startup program should automatically start.

Figure 1: RPS Startup
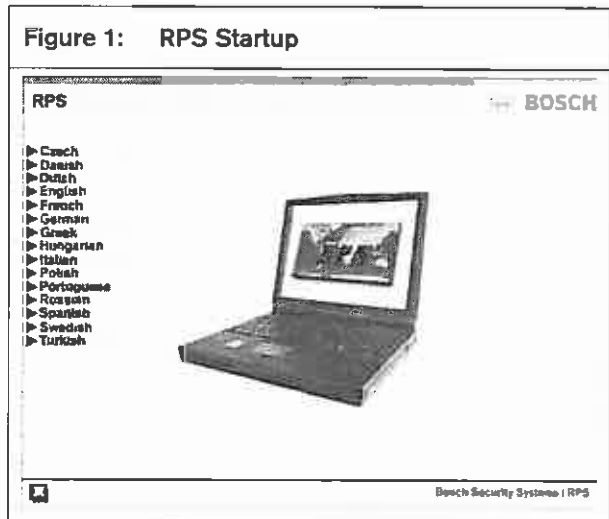
2. If the startup program does not automatically start:
   a. Select Start→Run…
   b. At the prompt, type:
      X:\RPS\RPS_Startup.exe
      ("X" = the drive letter assigned to your CD-ROM drive.)
3. When the startup window opens, select a language from the list provided. Refer to *Figure 1* on page 5. An instruction window in the selected language opens.

Figure 2:   English Instructions

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

> **i** For new installations of RPS 5.x, you must install Microsoft®.NET™ Framework 1.1 and Microsoft® MSXML 4.0 SP2 Parser. If you are upgrading or re-installing RPS 5.x, install only RPS.

2.2.2   Installing RPS in a Local or Network Configuration

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

1. Insert the CD-ROM into your CD-ROM drive.

   The startup program might execute automatically (auto-run). If it does, follow the instructions on the screen.

2. If the startup program does not auto-run:
   a. Select Start→Run…
   b. At the prompt, type:
      X:\RPS\RPS_Startup.exe
      ("X" = the drive letter assigned to your CD-ROM drive.)
3. Follow all instructions as indicated in the startup program.

> **i** For new installations of RPS 5.x, you must install Microsoft®.NET™ Framework 1.1 and Microsoft® MSXML 4.0 SP2 Parser. If you are upgrading or re-installing RPS 5.x, install only RPS.

4. Click "Install RPS" on the startup menu.
5. When the Choose Setup Language window opens, select the appropriate language from the menu and click OK.
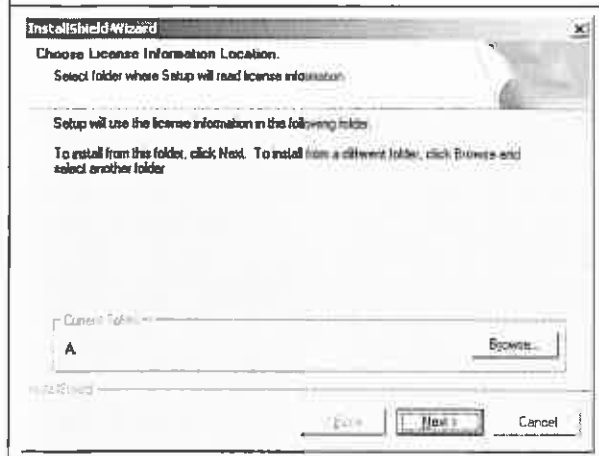
Figure 3:   Choose Setup Language Window
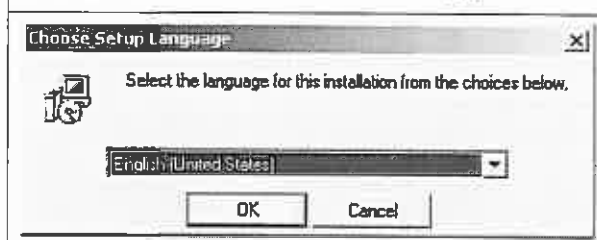
6. If the Choose License Information Location window opens, click **Browse** to specify the location of the license disk files. Click **Next** when ready.
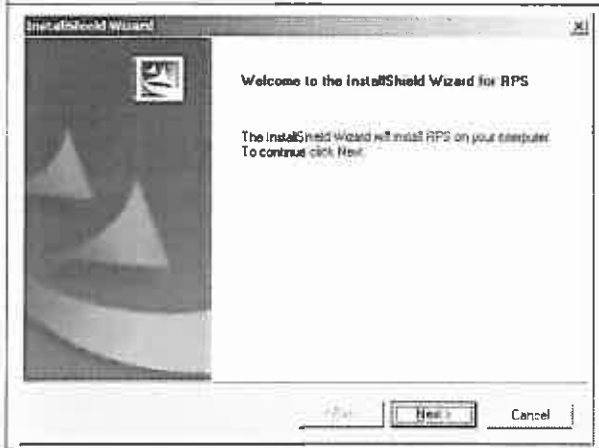
    If the Choose License Information Location window does not open, skip to *Step 7*.

Figure 4:   Choose License Information Location Window

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

Figure 5:   Welcome Window

8. When the Choose Destination Location window opens, select where to install RPS on the intended PC:

    - To install RPS in the default path as shown, click **Next**.

    - To install RPS elsewhere, click **Browse** and specify the desired folder. This destination must be on a local drive, not on a networked drive.

Figure 6:   Choose Destination Location Window
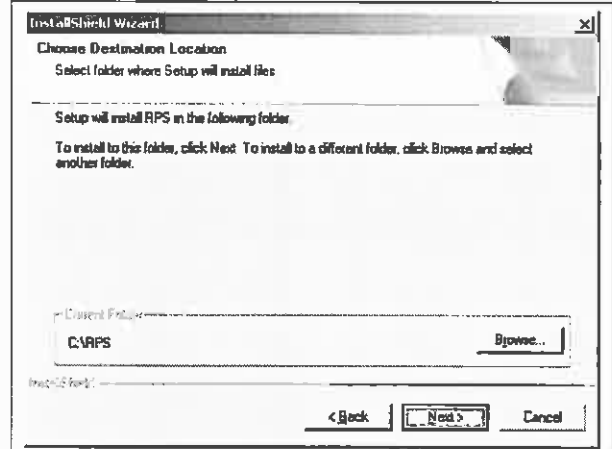
> **i** Do not install RPS in a directory with a space in its name. For example, do not install RPS in "My Documents."
>
> Do not place RPS in the Startup folder. Doing so might cause unexpected results.
>
> If you use SQL, do not install RPS and the SQL database on the same PC.

9. When the Select Database Configuration window opens, select an option:

- **Install New Database:** Go to *Step 9a*.
- **Use Existing Database:** Go to *Step 9c* on page 8.

| Figure 7:	Select Database Configuration Window
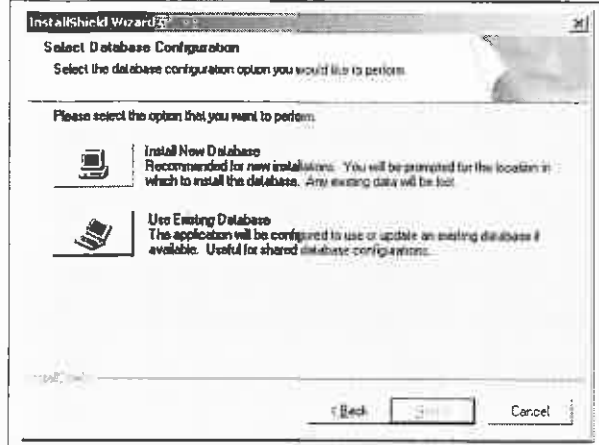
a. To install a new database, click **Install New Database**.

b. When the New Database Creation window opens, select where to install the database on the local PC or network drive:

- To install the database in the default path on a local PC, click **Next**.
- To install the database on a network drive or other local drive, click **Browse** and specify the desired folder.

i	When installing the RPS database on a network drive, ensure that all RPS operators have read and write privileges for the intended network folder.

i	If the RPS database is installed on a network, do not connect PC's with operating systems in different languages to the networked database.

This step is now complete. Go to *Step 10* on page 9 to continue with the installation.

| Figure 8:	New Database Creation Window
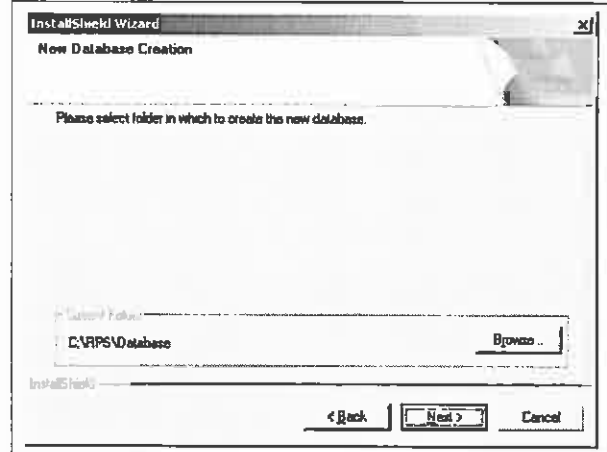
c. To upgrade an existing database, click **Use Existing Database**.

d. When the Use Existing Database window opens, specify the location of the existing database:

- To upgrade the database in the default path on a local PC, click **Next**.
- To upgrade the database on a network drive or other local drive, click **Browse** and specify the folder containing the existing database.

| i | If upgrading the database on a network drive, ensure RPS is not running on any PC using this database.

After the database is upgraded on a network drive, ensure that the same version of RPS is installed on each PC using this database. |
|---|---|

i	If the RPS database is installed on a network, do not connect PC's with operating systems in different languages to the networked database.

Figure 9:   Use Existing Database Window
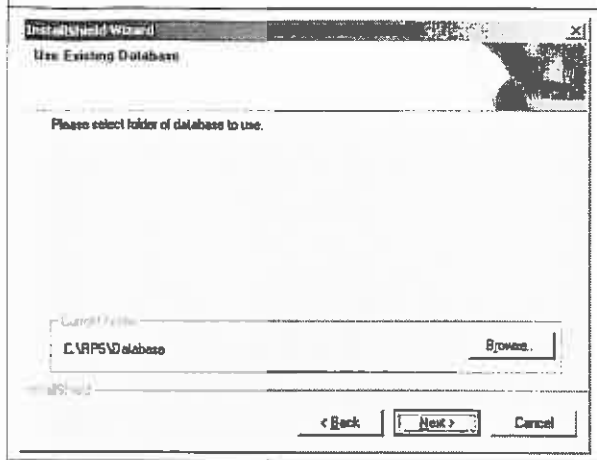
10. When the Select Features window opens, select the features to install. Refer to *Table 1*.
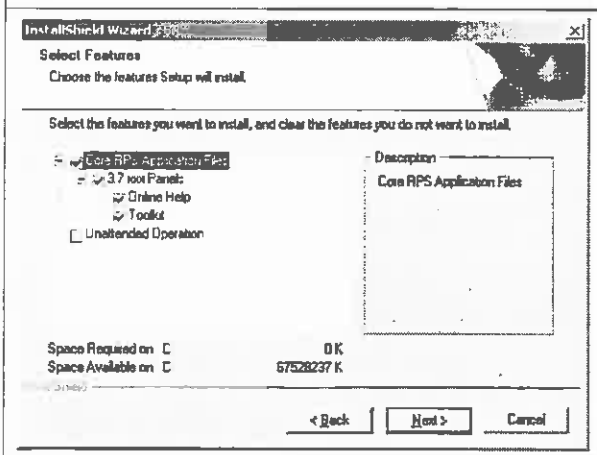
Figure 10:   Select Features Window

Table 1:   RPS Installation Features

Feature	Description
Core RPS Application Files	Install the core RPS application files. This feature is selected by default.
3.7.xxx Panels	Install support for RPS 3.7.xxx control panels. This feature: • is selected by default. • requires the core RPS application files.
Online Help	Install RPS help file and all control panel help files. This feature is selected by default.
Toolkit	Install supplemental tools for system maintenance and troubleshooting. This feature is selected by default.
Unattended Operation	Install feature that allows supported control panels to perform unattended tasks such as history retrieval. This feature is not selected by default.

11. When the Select Program Folder window opens, select where to install program icons:

   • To install program icons in the default folder, click Next.

   • To install program icons in a different folder, click the desired folder from the list.

   • To rename a folder, type a new name in the folder title field.

Figure 11:   Select Program Folder Window
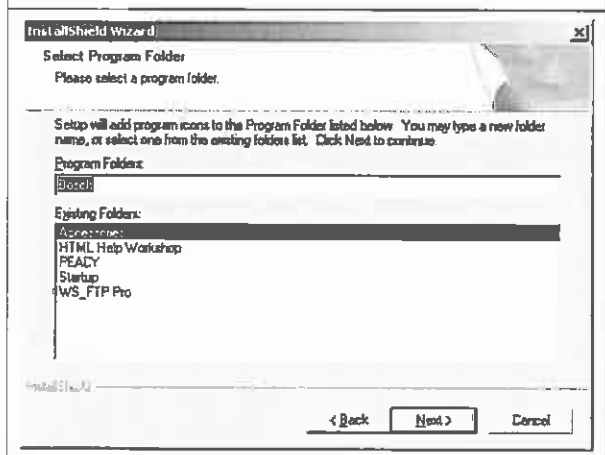
12. When the Start Copying Files window opens, review the current settings before continuing with the installation.

   • If you are satisfied with the current settings, click **Next** to proceed with the installation.

   • If you need to change a setting, click **Back** until you return to the appropriate installation window.
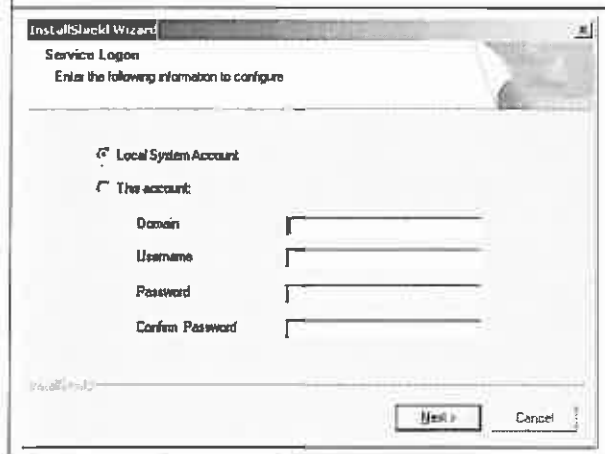
Figure 12: Start Copying Files Window
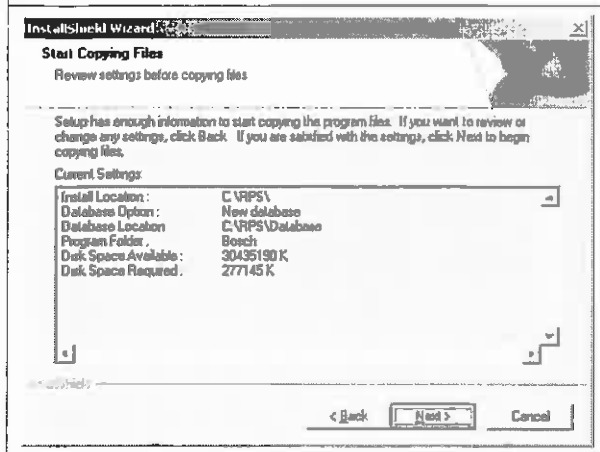
A setup status window opens and shows the progress of the installation.

13. If you chose to install the Unattended Operation feature, the Service Logon window opens.

Figure 13: Service Logon Window

Refer to *Table 2* if you choose to configure the Unattended Operation service now. To configure it later, you can access this window from the Unattended Menu in RPS.

Table 2:	Service Logon Configuration
Field	**Description**
Local System Account	Select this option when using the Unattended Operation on a local PC.
This Account	Select this option when using the Unattended Operation on a networked PC.
Domain	Enter the domain name of the PC containing the networked database.
Username	Enter a valid user login name for this account. This must be a valid user name that allows the user to log into the PC where the database resides.
Password	Enter the user login password for this account. The password must match the user login password on the PC where the database resides.
Confirm Password	Re-enter the user login password as a security measure.

14. When the Install Complete window opens, remove the RPS CD-ROM and license disk (if applicable) from the PC. Click **Finish** to restart the PC. New settings cannot take effect until you restart the PC.

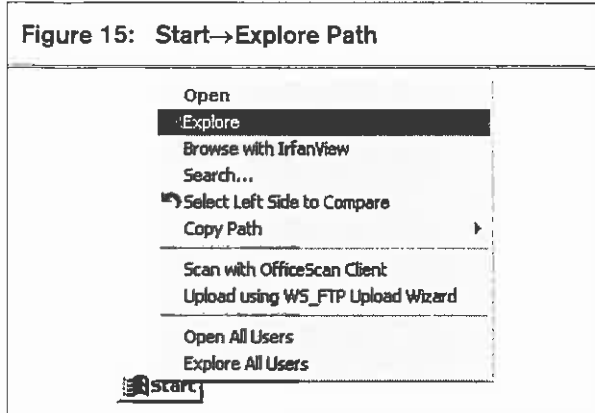### Figure 14: Install Complete Window
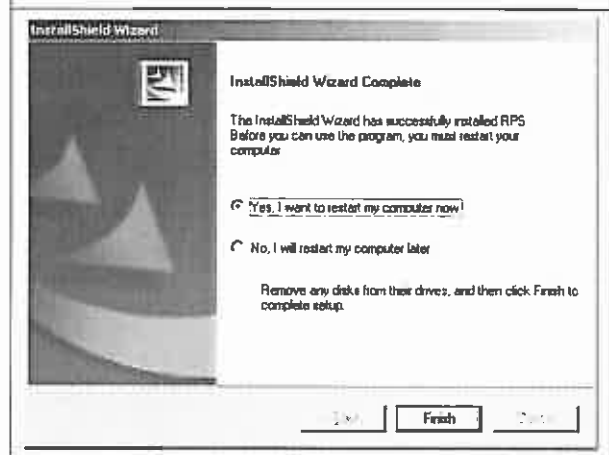
2.3   Upgrading RPS
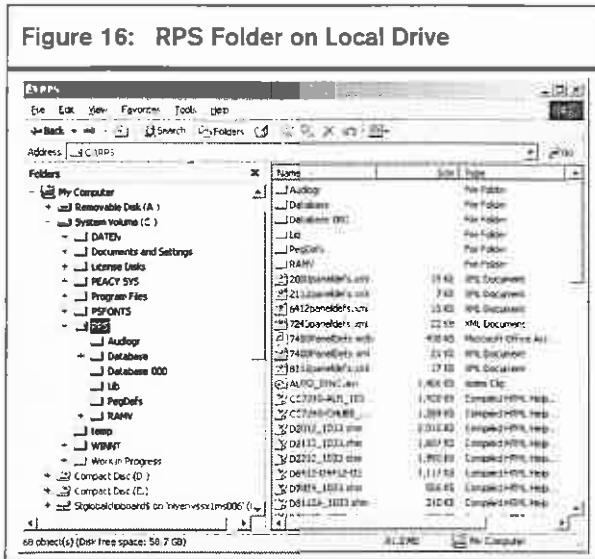
2.3.1   Upgrading to 5.x from Version 3.7

1. Instruct all RPS operators to log off from RPS. To ensure that all operators have logged off:

   a. Right-click **Start**, and select **Explore**.
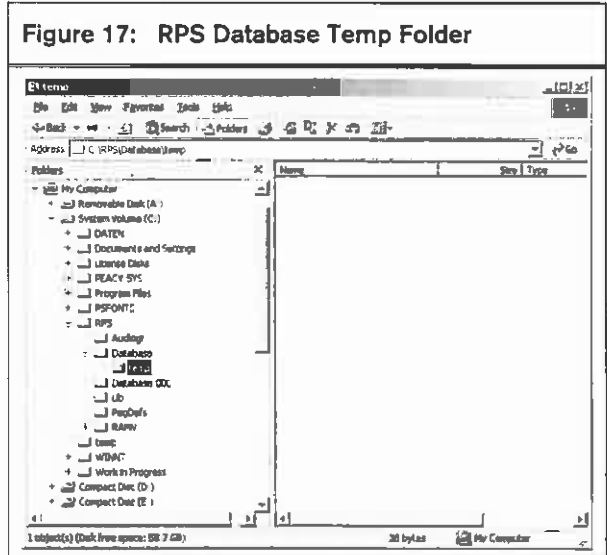
Figure 15:   Start→Explore Path

   b. Browse to the RPS folder on the local drive.

Figure 16:   RPS Folder on Local Drive

   c. Select **Database→Temp**.
   If the Temp folder is empty, all RPS operators have logged off.

Figure 17:   RPS Database Temp Folder

2. To improve performance when upgrading a networked database, create a new folder on the local hard drive, and copy the contents of the RPS database folder from the network location to this location.

3. Use the RPS Toolkit to change the location of the RPS database from the network folder to the folder created in *Step 2*.

   a. Right-click **Start**, and select **Explore**.

   b. Browse to the RPS folder on the local drive. Refer to *Figure 16* on page 11.

   c. Select **Lib** and double-click **RPSToolkit.exe** in the left-hand pane to open the RPS Toolkit.

      If you are not upgrading a networked database, go to *Step 4* on page 13.

Figure 18:   RPS Toolkit Location
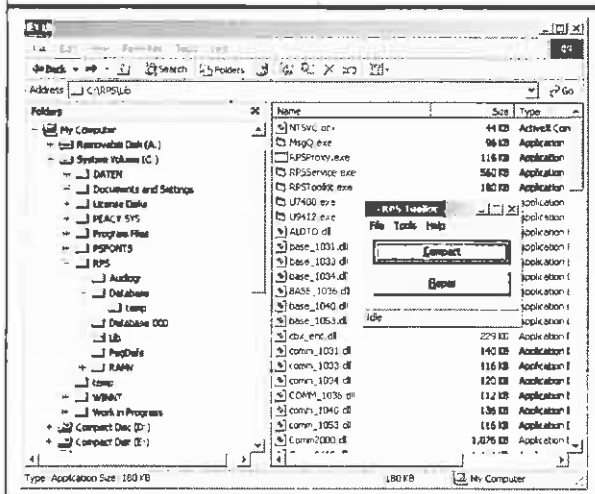
   d. Select **Tools→System Config**.

Figure 19:   RPS Toolkit→System Config Path
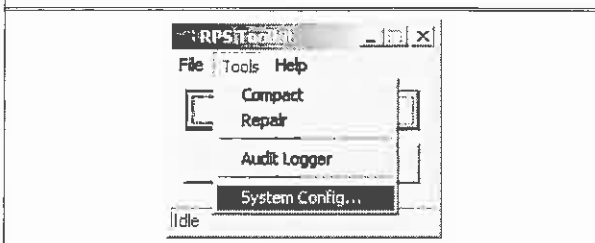
The System Configuration/Files Location window opens.

Figure 20:   System Configuration/Files Location Window
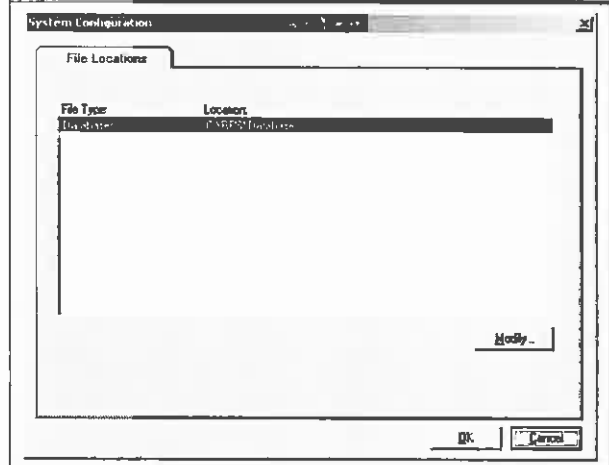
   e. Click **Modify**.
      The Modify Location window opens.

Figure 21:   Modify Location Window
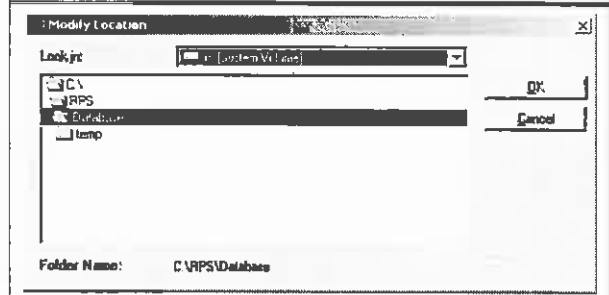
   f. Browse to the location on the local hard drive where you copied the RPS database files. Click **OK** to close the Modify Location window. Click **OK** again to close the System Config/Files Location window.

4. From the RPS Toolkit:

   a. Click **Compact** and wait until the process successfully completes.
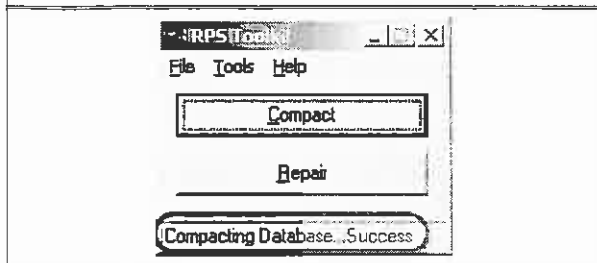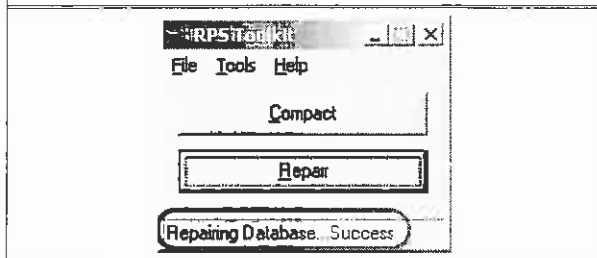
Figure 22: RPS Toolkit – Compact Successful

   b. Click **Repair** and wait until the process successfully completes.

Figure 23: RPS Toolkit – Repair Successful

   c. Close the RPS Toolkit.

5. Insert the RPS CD-ROM into your CD-ROM drive, and follow the steps in *Section 2.2 Installing RPS* on page 5. The upgrade process automatically completes Steps 8 and 9 on page 8.

> **i** If the database is currently in use when you start upgrading, RPS asks you to log out first before continuing with the upgrade process.

6. After the RPS installation is complete, open RPS, log in, and open an account to ensure it works as expected.

7. To complete your upgrade:
   - If you have a local database or a networked database that was not copied to a local drive, your upgrade is complete.
   - If you are using a Microsoft Access database that you copied from the network:
     a. Copy the updated database back to the network location.
     b. Open RPS and log in.
     c. Select **Config→System→File Locations**.
     d. Change the file location back to the database on the network.
   - If you are converting the Microsoft Access database to a Microsoft SQL database, refer to *Section 2.4.1 Installing the RPS Database on the SQL Server* on page 14.

If RPS does not successfully upgrade:

1. Uninstall the older version first, using **Add/Remove Programs**.
2. Delete all files in the RPS folder except the Database.000 folder and its contents.
3. Install the newer version.

Refer to *Section 2.2 Installing RPS* on page 5 for instructions.

### 2.3.2 Upgrading from a version prior to 3.7 to 5.x

If you are upgrading RPS from a version released prior to version 3.7, you must first uninstall RPS using Add/Remove Programs, and then install the newer version. Refer to *Section 2.2 Installing RPS* on page 5 for instructions.

2.4   SQL Server Installation and Configuration

2.4.1   Installing the RPS Database on the SQL Server

1. Create a folder on the SQL server to store the database files. Enter a desired name for the folder, such as "RPS."

2. Locate the **SQL Database Setup – RPS(5.x.x).zip** file on the RPS CD-ROM.

3. Extract the contents of the file to the folder created in *Step 1*.
   This creates a folder named "Database" with all of the necessary files in it.

4. Right-click the database folder and select **Sharing**. The Database Properties window opens with the Sharing tab selected.

Figure 24:   Sharing Tab
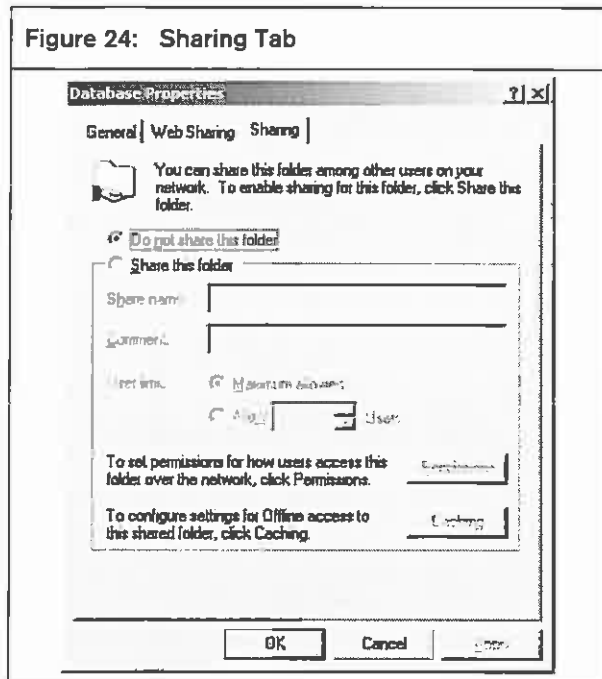
5. Select **Share this folder**.
   The option fields are now active.

6. Click **Permissions** to set permissions for user access to this folder.

7. On the Share Permissions tab, select the **Read** and **Change** boxes in the Allow column. Clear the **Full Control** box in the Allow column.

Figure 25:   Share Permissions Tab
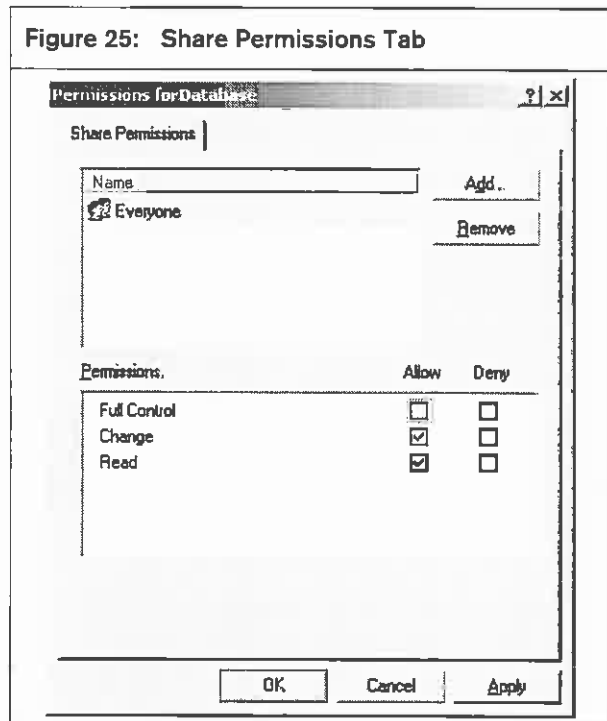
8. Click **OK** to close the Permissions window.

9. Select **Start→Programs→Microsoft SQL Server→Enterprise Manager**.
   SQL Enterprise Manager opens.

10. In Enterprise Manager, right-click the database folder and select **All Tasks→Restore Database**. The Restore Database window opens.

Figure 26:   Restore Database Path

Figure 27:   Restore Database Window

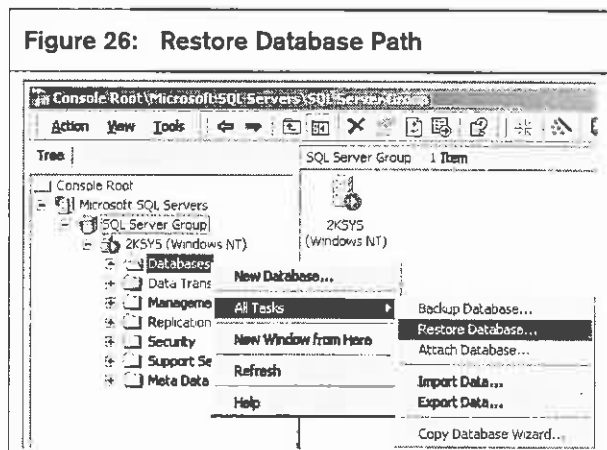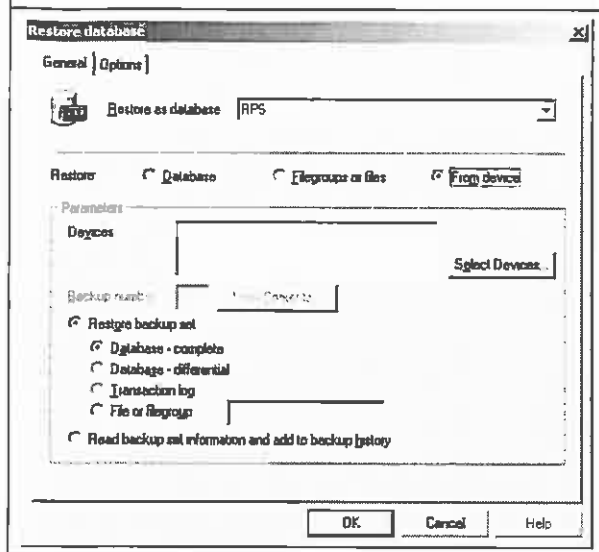11. In the Restore Database window:

   a. Type **RPS** in the Restore as database field, or select **RPS** from the menu.

   b. Select **From device** from the Restore options.

   c. Click **Select Devices**.
       The Choose Restore Devices window opens.

Figure 28:   Choose Restore Devices Window
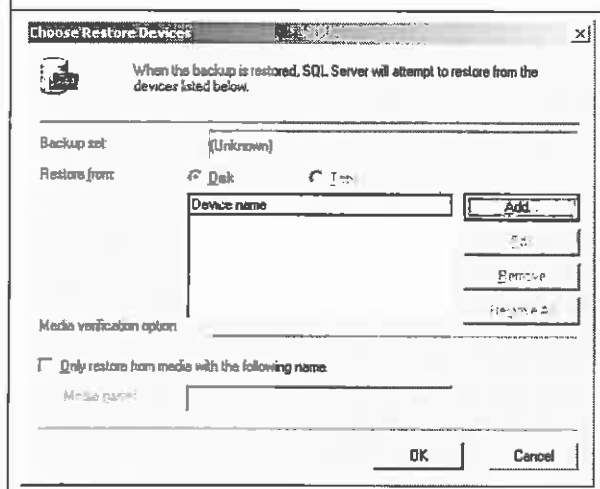
   d. Click **Add**.
       The Choose Restore Destination window opens.

Figure 29:   Choose Restore Destination Window
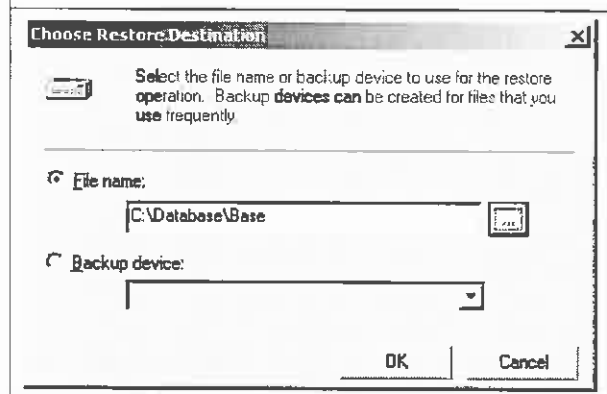
   e. In the File Name field, type the path where the database resides on the SQL server, or click ... and locate the path.
       Ensure that you include the actual file name in the directory (BASE), or select "base.txt" from the list of files in the database folder.

12. Click **OK** to close the Choose Restore Destination window.

13. Click **OK** to close the Choose Restore Devices window.

ℹ️ If the SQL server directory is not located at C:\Program Files\Microsoft SQL Server\MSSQL\Data, select the Options tab on the Restore Database window, and type the preferred path for the RAMV_Data and RAMV_Log files.

Refer to *Figure 30*.

Figure 30:   Options Tab

14. Click **OK** to close the Restore database window. Your SQL server is now ready for use with RPS.
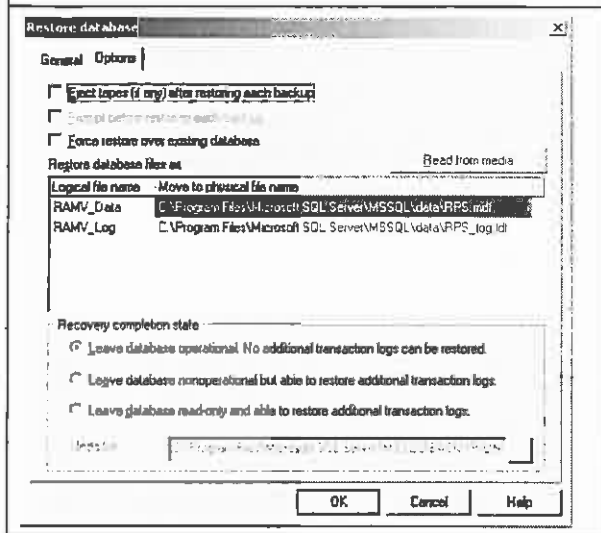
2.4.2   Converting a Microsoft® Office Access Database to a Microsoft® SQL Server™ Database

---

ℹ️ To properly convert the database from Access to SQL Server, the database must be an RPS 5.x database. If it is not, you must first upgrade RPS to version 5.x. Refer to *Section 2.3.1 Upgrading to 5.x from Version 3.7* on page 11 for instructions.

Before you convert to the SQL Server database, use the RPS Toolkit to compact and repair the current database to ensure the database is not corrupted. Refer to *Section 2.3.1 Upgrading to 5.x from Version 3.7, Steps 3* and *4* on pages 12 and 13, for information about opening the RPS Toolkit and using the compact and repair functions.

---

1. Install the RPS database on the SQL server. Refer to Section 2.4.1 Installing the RPS Database on the SQL Server on page 14.
2. Back up your Access database as an .xml file to an empty folder on the RPS PC.
   The Backup function creates an .xml file and a data file that must be stored in the same directory for the backup to work properly.
   a.   In RPS, select **File→Backup**.

Figure 31:   File→Backup Path
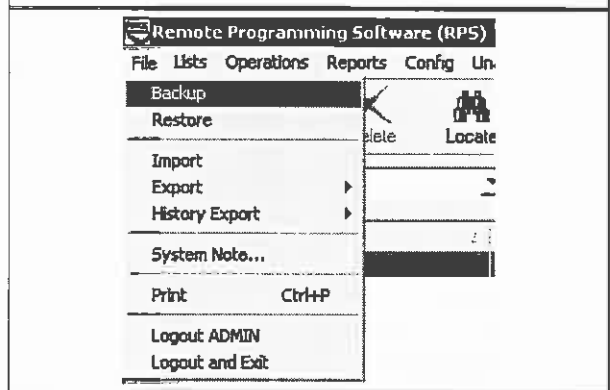
The Backup Filename window opens.

Figure 32: Backup Filename Window

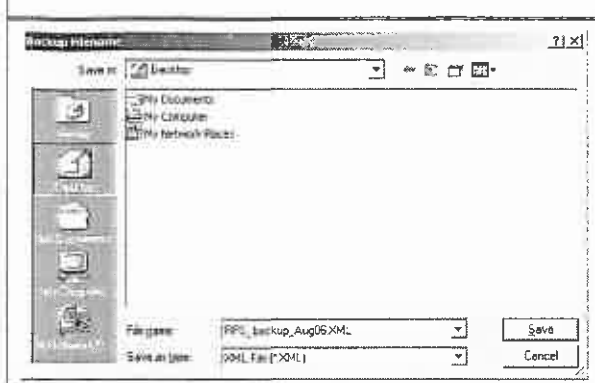b. In the **Save in:** list, specify where you want to save the backup file on the RPS PC.

c. In the **File name:** field, enter a name for the backup file.

d. Click **Save**.
   You are now ready to switch databases.

3. In RPS, select **Config→System**.

Figure 33: Config→System Path
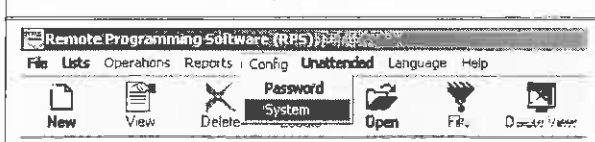
The System Configuration Window opens.

Figure 34: System Configuration Window
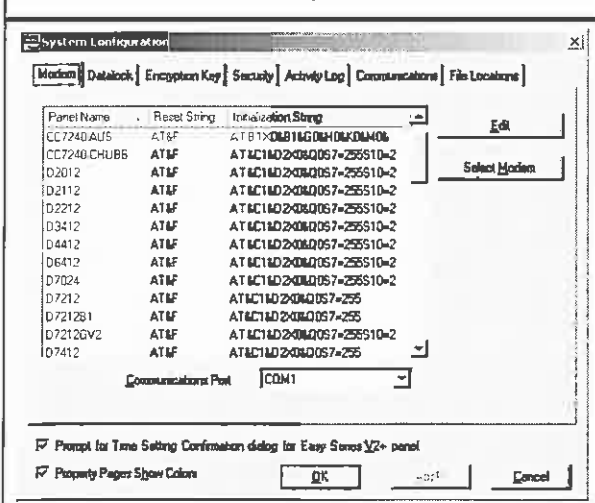
4. Select the File Locations tab.

Figure 35: File Locations Tab
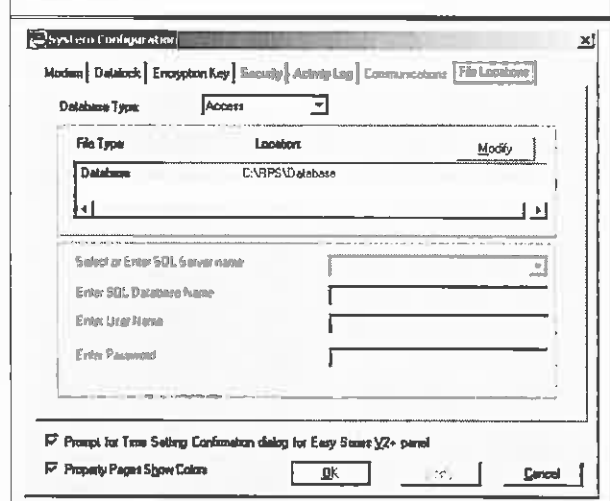
5. In the **Database Type:** list, click the arrow and select **ODBC**.

6. Click **Modify**.
   The Browse For Folder window opens.

Figure 36: Browse For Folder Window
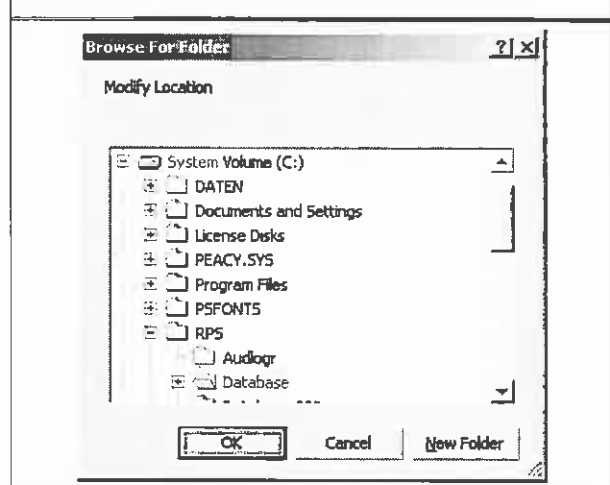
7. Browse to the path of the database folder on the SQL server PC.
   This is the folder you shared when installing the SQL server (refer to *Section 2.4.1 Installing the RPS Database on the SQL Server* on page 14).

8. Click **OK**.
   The Browse For Folder window closes.

9. In the **Select or Enter SQL Server name** field, type or select from the menu the name of the SQL server. Refer to *Figure 35*.

10. In the **Enter SQL Database Name** field, type the name of the RPS database folder.

11. In the **Enter User Name** field, type your SQL server user name.
12. In the **Enter Password** field, type your SQL server password.
13. Click **OK**.
    RPS restarts and connects to the SQL server.
14. Restore the .xml file you backed up in *Step 2* on page 16:
    a. In RPS, select **File→Restore**.

Figure 37: File→Restore Path
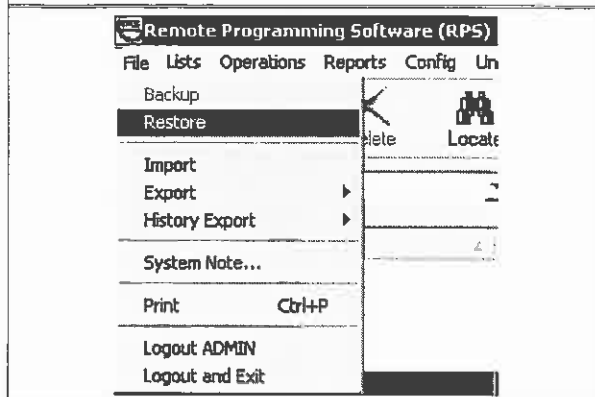
The Import Accounts window opens.

Figure 38: Import Accounts Window
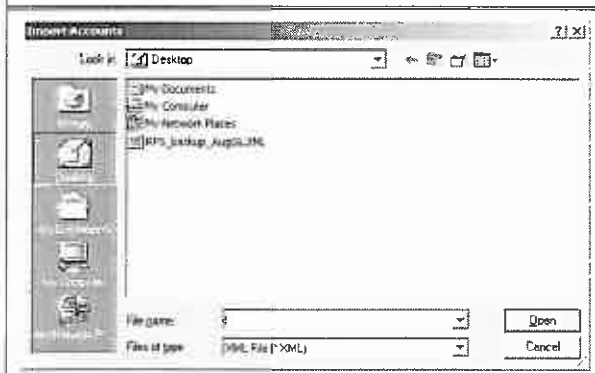
b. In the **Look in:** list, specify where you saved the backup file in *Step 2b* on page 17.

c. Select the backup file. The name appears in the **File name:** field.

d. Click **Open** to restore data from the backup file.
    A window opens and asks if you want to overwrite existing data. Click **Yes**.
    RPS will now use the Access database content in the SQL server database.

3.0 RPS Setup Maintenance

3.1 Modifying RPS

> **i** 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 window opens.

Figure 39: Add/Remove Programs Window
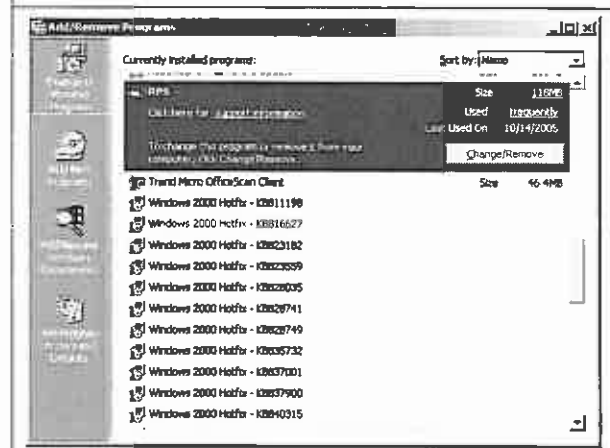
2. Scroll down the list until you see **RPS**. Click **RPS** to select it.

3. Click **Change/Remove**.
The RPS Setup Maintenance window opens.

Figure 40:   RPS Setup Maintenance Window

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

Figure 41:   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 window opens, click **Finish** to end the RPS Setup Maintenance process.
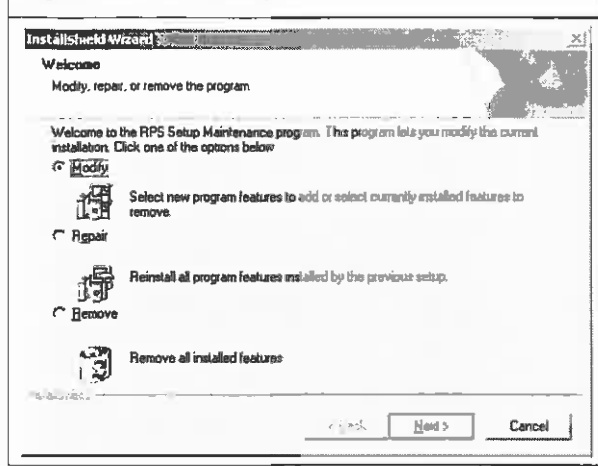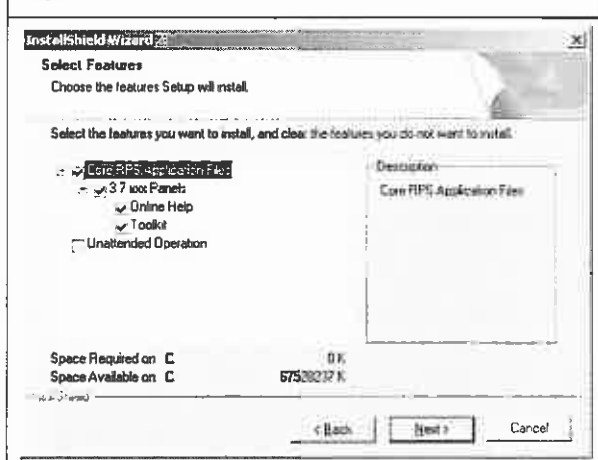
3.2   Repairing RPS

> **i**   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 window opens. Refer to *Figure 39*.
2. Scroll down the list until you see **RPS**. Click **RPS** to select it.
3. Click **Change/Remove**.
The RPS Setup Maintenance window opens. Refer to *Figure 40*.
4. Click **Repair**, and then click **Next**.
A progress indicator window opens. When the repair is complete, the Install Complete window opens.
5. Click **Finish** to end the RPS Setup Maintenance process.

3.3   Removing RPS

To remove RPS and all of its features:

1. Select **Start→Settings→Control Panel→Add/Remove Programs**.
The Add/Remove Programs window opens. Refer to *Figure 39* on page 18.
2. Scroll down the list until you see "RPS." Click "RPS" to select it.
3. Click **Change/Remove**.
The RPS Setup Maintenance window opens. Refer to *Figure 40* on page 19.
4. Click **Remove**, and then click **Next**.
5. When the Confirm Uninstall window opens, click **Yes**.
A progress window opens.
6. When the removal process is complete, restart the PC.

4.0 Logging into RPS

> **i** 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.

4.1 First Time Log-in

> **i** Do not log into RPS as the same operator from two different PC's 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 window opens:
   a. For the user name, enter "admin".
   b. For the password, enter "1111" or "default". The password is not case-sensitive. For example, "password" and "PASSWORD" are identical entries.

Figure 42: Logon Information Window
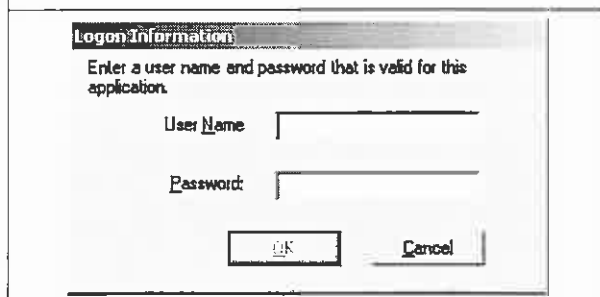
3. Click **OK** to continue.

4.2 Change the Password

To change the default password:

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

Figure 43: Accessing the Change Password Window
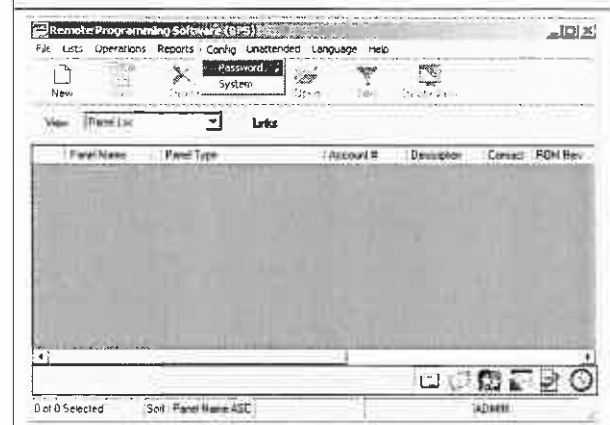
2. When the Change Password window opens:
   a. Enter the old password.
   b. Enter the new password.
   c. Enter the new password again.
   d. Click **OK**.
      The new password takes effect the next time you log in.

Figure 44: Change Password Window
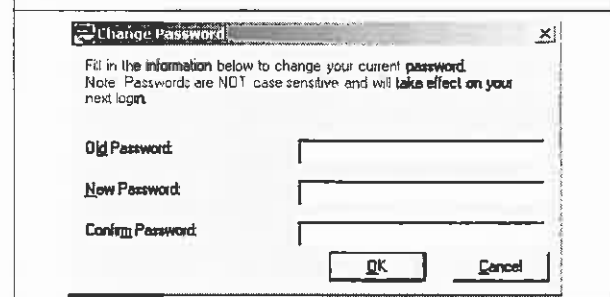
5.0 Recovering Old Database Files

> ℹ️ 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 3.3 Removing RPS* on page 19.
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 window 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 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 Help file for more information.
14. Verify that your old accounts now appear in the Panel List.

6.0 RPS Operation and Control Panel Account Notes

6.1 RPS Notes

6.1.1 Installation and Administration Notes

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

6.1.2 General Operation Notes

If your PC runs Windows XP Service Pack 2 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.

6.1.3   Modem Notes

- 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.

6.2   Control Panel Account Notes

6.2.1   2000 Series Notes

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

6.2.2   D6412/D4412 and DS7240/DS7220 Notes

- **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:
  1. Disarm the area in which the zone is assigned.
  2. Unbypass the zone.
  3. 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.

6.2.3   D7024 and DS9400 Notes

- **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 window, 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."

6.2.4   D8112 Notes

- **Panel Sync Window:** D8112 Series Control Panels always show a **Panel Sync** window 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.

6.2.5   D9112B1, D7212B1 Notes

- **Panel Sync Window Appears with Defaulted Panel and Account (D7212B1 only):** The Panel Sync window 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.

6.2.6   DS7400XiV4 Notes

- **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 window, 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.

- **Hayes 2400 Modem Init String:** 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.

6.2.7   Control Panel Help File Notes

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