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cadd®

Administrator Safety Software Guide for Clinicians

CADD®-Solis and PharmGuard® Administrator Medication Safety Software Upgrade Instructions

Introduction

The purpose of this document is to assist customers installing CADD®-Solis Administrator v3.3 or PharmGuard® Administrator v4.2 Medication Safety Software (MSS) while maintaining any protocols that may already exist.

CADD®-Solis Administrator v3.3 software is the most current available version of software for the CADD®-Solis v3 pumps. PharmGuard® Administrator v4.2 software is the most current available version of software for the CADD®-Solis v4 pumps that are compatible with wireless modules.

Note that not all pumps using MSS v1.2 can have the pump firmware upgraded. Compatibility for upgrades can be determined by the pump serial numbers. Contact your Smiths Medical representative to determine upgrade compatibility or replacement options.

Contents

List of Tables

List of Figures

Part Numbers

This document makes reference to software that needs to be installed. The CD part number and corresponding descriptions are found in Table 1.

Table 1 - CD part numbers and descriptions

CD Part Number	CD Description
21-2194-0402-25	MSS Admin V4.2
21-2194-0303-25	MSS Admin V3.3
21-2194-0301-01	MSS Admin V3.1
21-2136-0200-25	SureLink® PC Direct Connect V2.0 software

The CDs required are dependent on the version you currently have and the version you will be installing.

Table 2 - CDs required to be ordered

| Your Current Version | Upgrade to Target Version | |
	CADD®-Solis Administrator v3.3 software requires:	PharmGuard® Administrator v4.2 software requires:
None	21-2194-0303-25	21-2194-0402-25
MSS 1.2	21-2194-0301-01	21-2194-0301-01
	21-2194-0303-25	21-2194-0402-25
	21-2136-0200-25	21-2136-0200-25
MSS 2.0	21-2194-0303-25	21-2194-0303-25
	21-2136-0200-25	21-2194-0402-25
		21-2136-0200-25
MSS 3.1/3.2	21-2194-0303-25	21-2194-0402-25
		21-2136-0200-25

How to Use this Document

In the table below, find your current version of software that you are using and the target version you are installing. You will find the procedure to follow to get your software and libraries upgraded. Each procedure listed needs to be performed in the order specified. See the Table of Contents for the page reference to each procedure.

Table 3 - Procedures to be followed

| Your Current Version | Upgrade to Target Version | |
	CADD®-Solis Administrator 3.3 software	PharmGuard® Administrator 4.2 software
None	B	F
MSS 1.2	D,E,B,C,I	D,E,F,G,I
MSS 2.0	B,H,I	B,H,F,G,I
MSS 3.1/3.2	A,B,C	A,F,G,I

"SQL2012Box" appears as the server name in some of the figures throughout this document, but it is an example only. You must enter the SQL server name that is applicable at your facility.
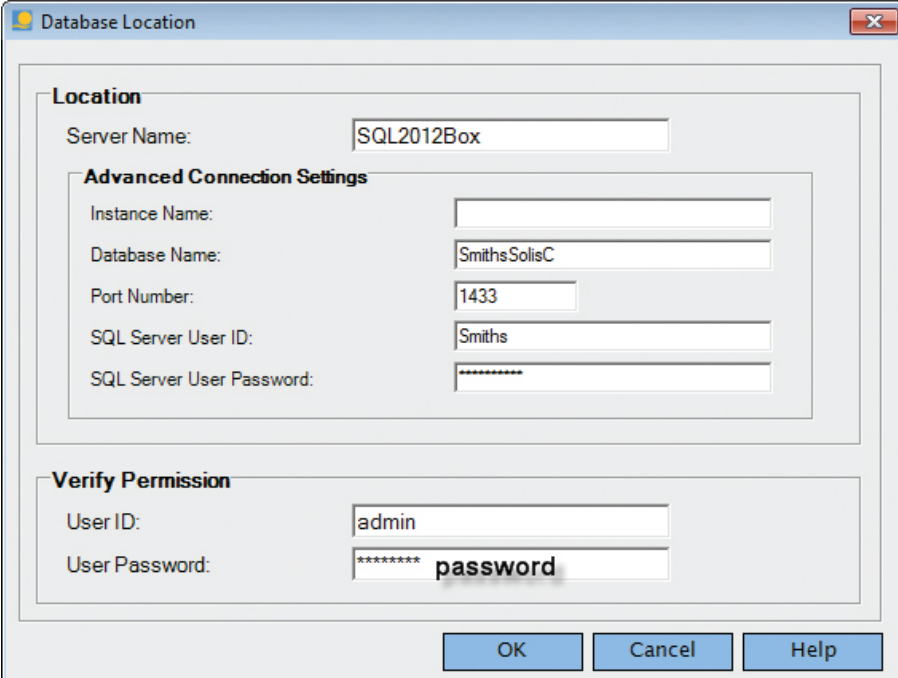
Technical Support

For any questions regarding this procedure, contact Application Support at applicationsupport@smiths-medical.com or 1-800-258-5361.

Hours of operations are Monday through Friday between 07h00 to 17h00 CST.

Procedure A. Record current MSS 3.0/3.1 database settings

In your current version of MSS 3.0/3.1, go to Settings -> Database Location, record the values and exit CADD®-Solis Administrator software. The default User Password is *password*.

Figure 1 - Recording Database Location settings showing User Password of password

Procedure B. Install MSS 3.3

Install MSS 3.3 by right-clicking setup.exe and selecting *Run As Administrator*. Note any previous version of MSS will be uninstalled.

1. Click *Next* on the Welcome to the InstallShield Wizard for CADD®-Solis Administrator software screen.

2. Click the *I accept the terms* in the license agreement radio button and click *Next* on the *License Agreement* screen.

3. Clear the SQL Server 2005 Express and Database option if you are using a centralized database server or if you already have MSS 3.0/MSS 3.1 installed and then click *Next* on the *Custom Setup* Screen.
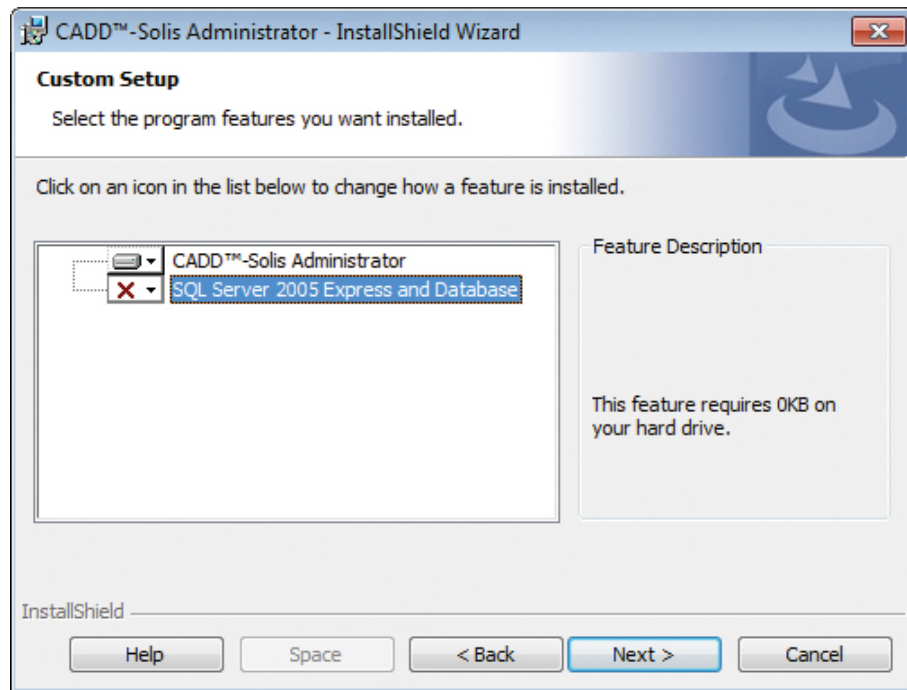

Figure 2 - Installing CADD®-Solis Administrator software without SQL Server 2005 Express

OR alternatively, install CADD®-Solis Administrator software and SQL Server 2005 Express on the same computer and then click *Next* on the *Custom Setup Screen*.
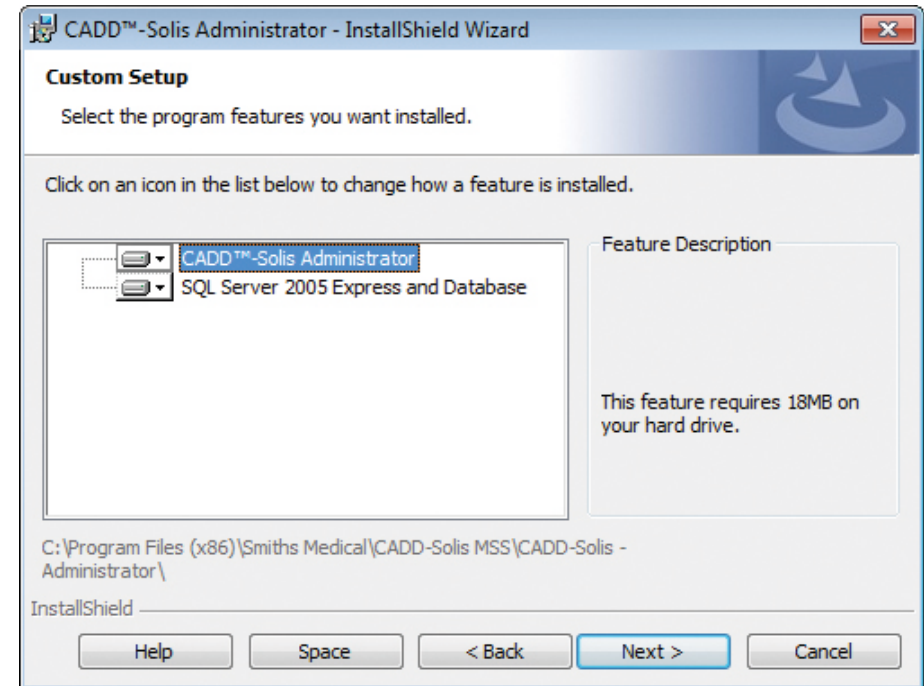
Figure 3 - Installation of CADD®-Solis Administrator software and SQL Server 2005 Express

4. Click *Next* on the *Application Destination Folder* screen.

5. On the *Installation Options* screen, check the CADD®-Solis pump and CADD®-Solis VIP pump options. Enter the name of the SQL server in the *Please enter a server name: (optional)* field. Enter *localhost* if you are installing SQL Server 2005 Express. Do not leave this field blank.
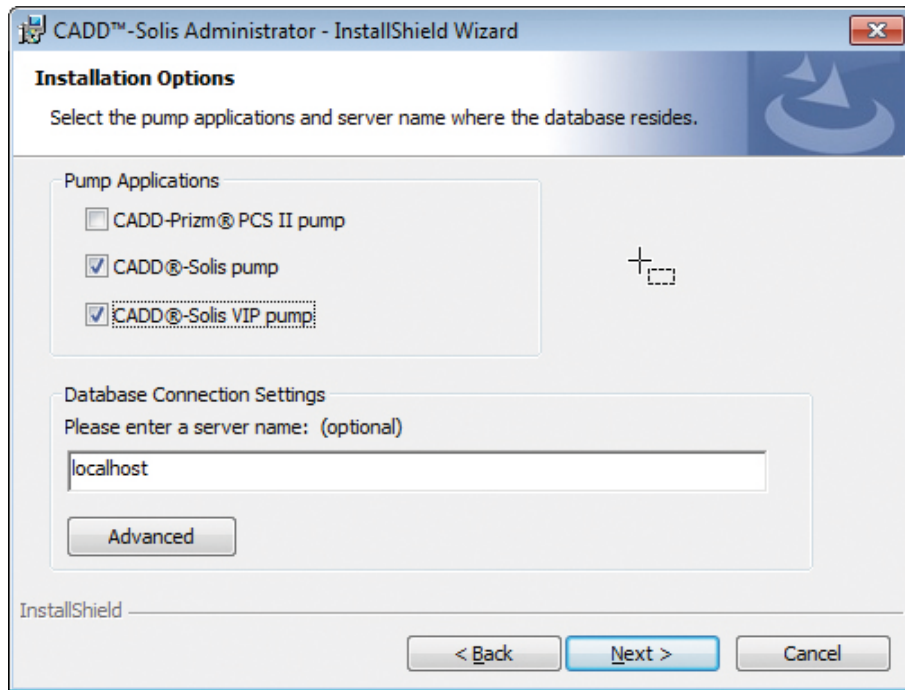
Figure 4 - Pump selection and server information

6. Click on the *Advanced* button and enter connection string details on the *Advanced Connection Settings* screen if you are installing on a centralized database server. If you already have MSS 3.0/MSS 3.1 installed, change Database Name to *SmithsSolisC* and enter the Instance Name and Port number recorded in *Procedure A, Record current MSS3./3.1 database settings*. Note the Advanced option is not available if you install SQL Server 2005 Express. Click OK.
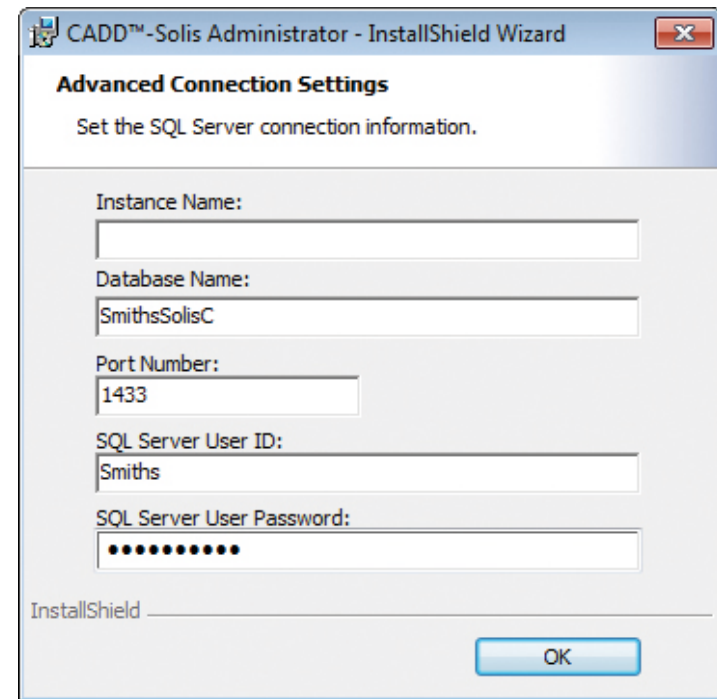

Figure 5 - Database connection information

7. Click Next on the Installation Options screen.

8. Click Install on the Ready to Install the Program screen.

9. Click Finish on the InstallShield Wizard Completed screen.

Procedure C. Convert MSS 3.0/3.1 database to MSS 3.3

When you start CADD®-Solis Administrator 3.3 software for the first time, answer Yes to update the database.
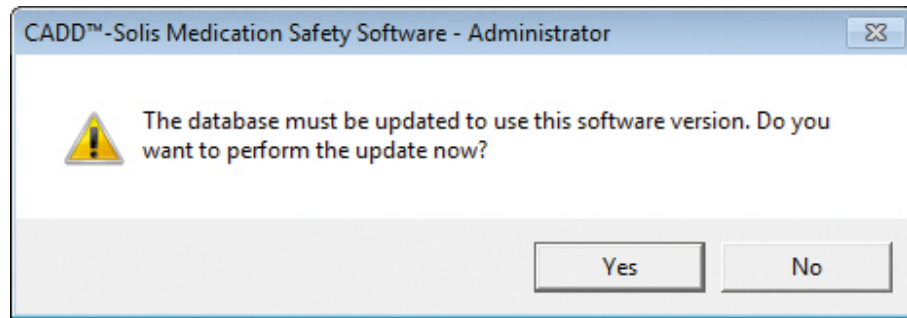

Figure 6 - Upgrading MSS 3.0/3.1 database to MSS 3.3

Procedure D. Install MSS 3.1

Install MSS 3.1 by right-clicking setup.exe and selecting *Run As Administrator*. MSS 3.1 should be installed on a computer other than the one on which any previous version of MSS is installed.

1. Click *Next* on the *Welcome to the InstallShield Wizard for CADD®-Solis Administrator* screen.

2. Click the *I accept the terms in the license agreement* radio button and click *Next* on the *License Agreement* screen.

3. Clear the SQL Server 2005 Express and Database option if you are using a centralized database server and then click *Next* on the *Custom Setup* Screen.
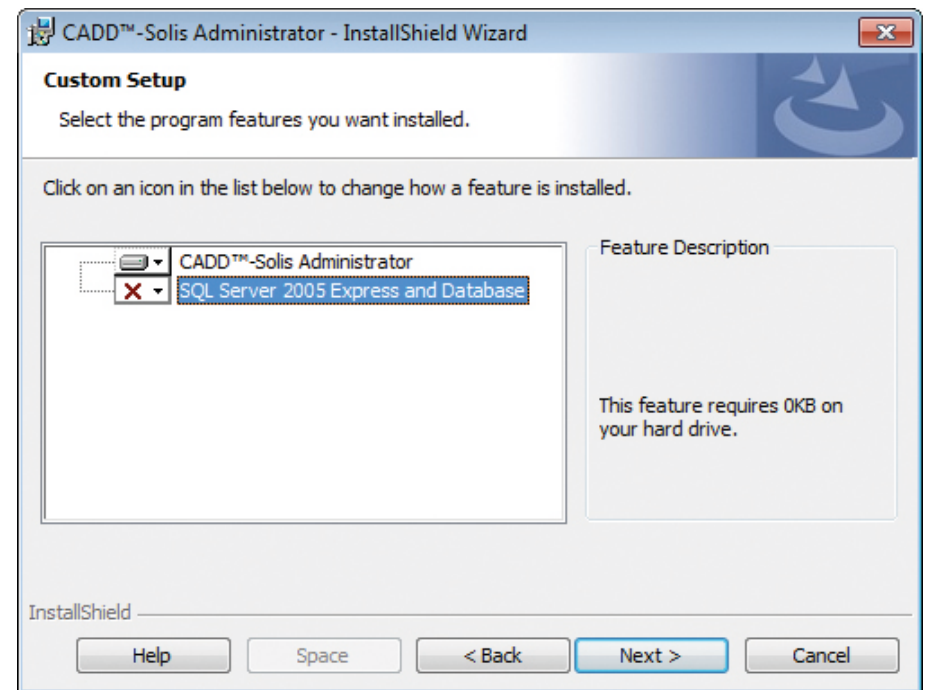

Figure 7 - Installing CADD®-Solis Administrator software without SQL Server 2005 Express

OR alternatively, install CADD®-Solis Administrator software and SQL Server 2005 Express on the same computer and then click *Next* on the *Custom Setup* Screen.
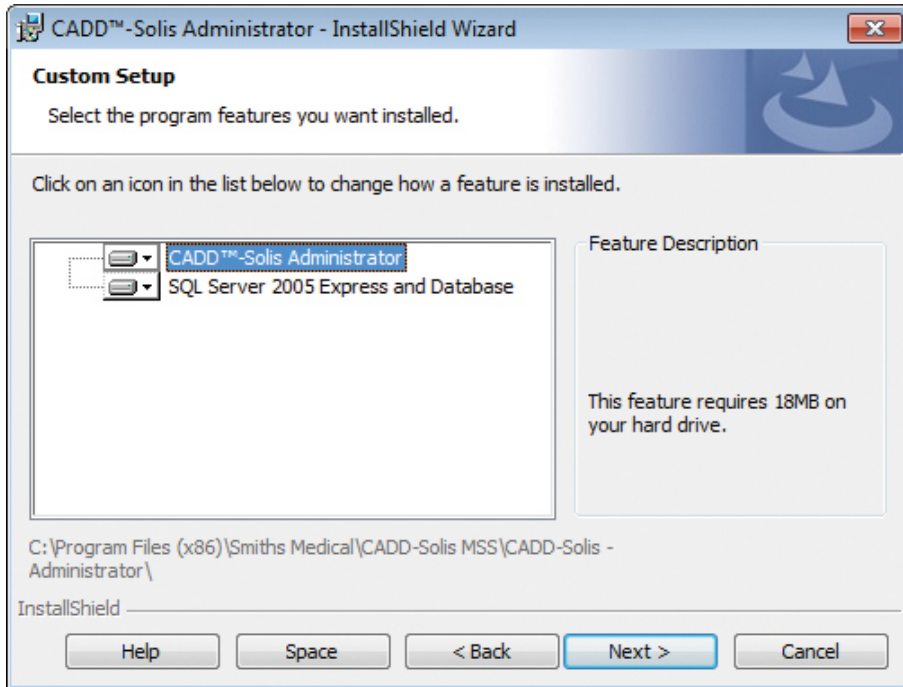

Figure 8 - Installation of CADD®-Solis Administrator software and SQL Server 2005 Express

4. Click *Next* on the *Application Destination Folder* screen.

5. On the *Installation Options* screen, check the CADD®-Solis pump and CADD®-Solis VIP pump options. Enter the name of the SQL server in the *Please enter a server name: (optional)* field. Enter *localhost* if you are installing SQL Server 2005 Express. Do not leave this field blank.
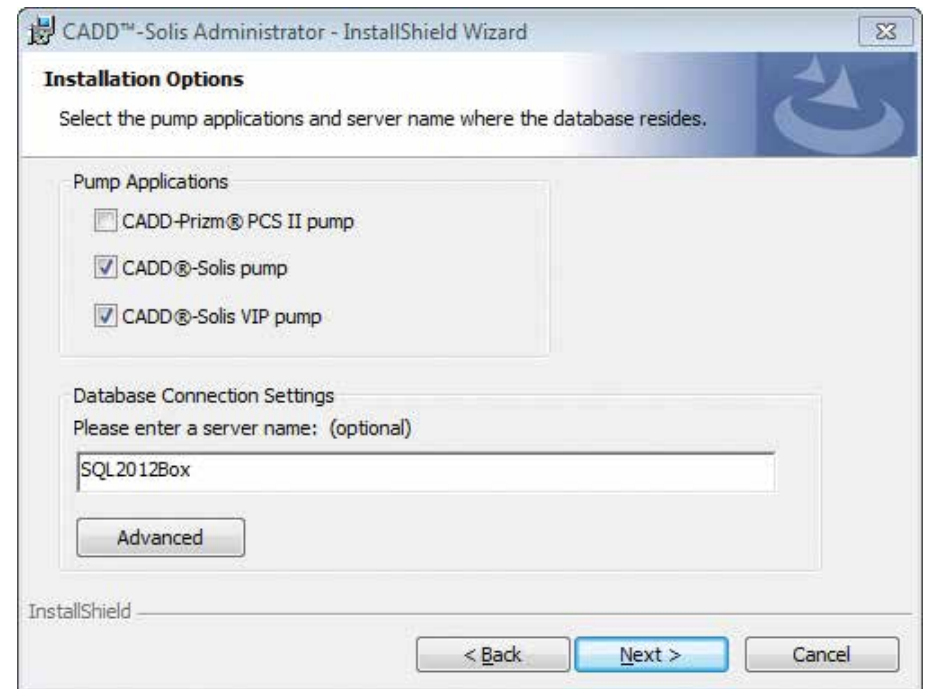

Figure 9 - Pump selection and server information

6. Click on the *Advanced* button and enter connection string details on the *Advanced Connection Settings* screen if you are installing on a centralized database server. In this example, the default instance with port 1433 is being used. Note the *Advanced* option is not available if you install SQL Server 2005 Express. Click *OK*.
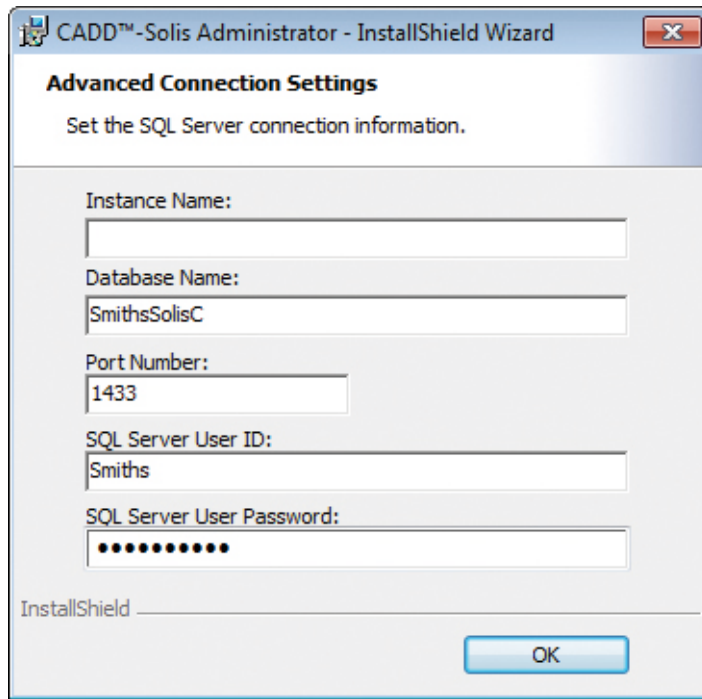

Figure 10 - Database connection information

7. Click *Next* on the *Installation Options* screen.
8. Click *Install* on the *Ready to Install* the Program screen.
9. Click *Finish* on the InstallShield Wizard Completed screen.
10. Create the SmithsSolisB database. This step is required only if you are using a centralized database server and you cleared the SQL Server 2005 Express and Database option in step 1.
a) Copy the file D:\Installer\Database\Create DatabaseB.sql from the CD to the c:\ temp directory.
b) Lines 16 and 18 of the SQL script contain a path to the data folder for the SQL Server instance. If the path to the data folder for your SQL Server instance is different, update the path in lines 16 and 18 appropriately.
c) Execute the script to create the SmithsSolisB database by using SQL Management Studio or the SQL command tool sqlcmd.

Procedure E. Convert MSS 1.2 database to MSS 3.0/3.1

1. Convert your existing MSS 1.2 database to MSS 2.0 format. Start the CADD-Solis Maintenance program by going to Window Start -> All Programs -> Smiths Medical -> CADD-Solis MSS -> Database Tools and enter the fields for the Source and Destination as appropriate. Click on Verify Data Sources and if successful, click on Transfer Data.
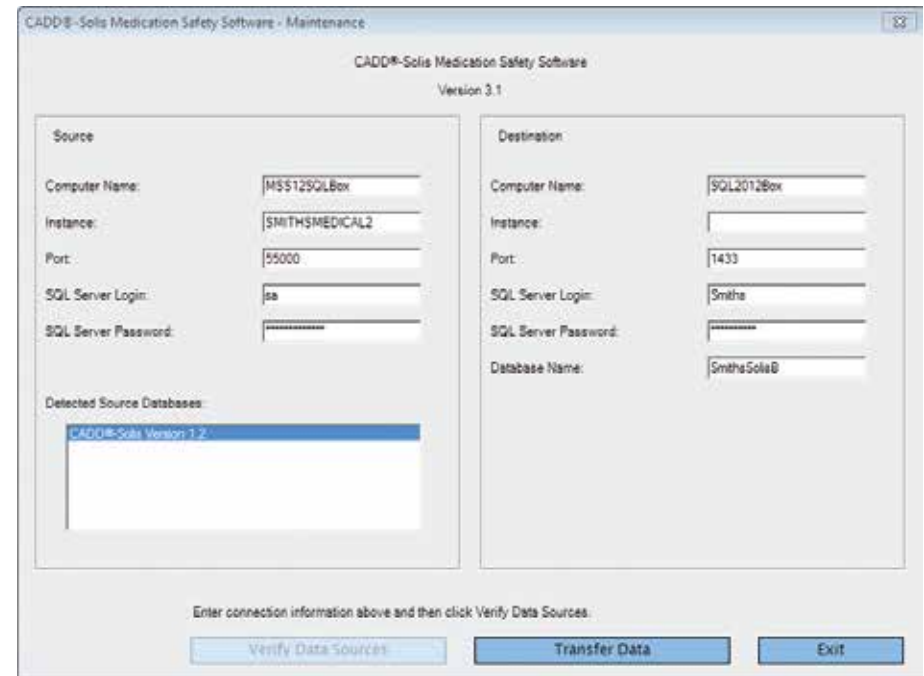

Figure 11 - Converting MSS 1.2 database MSS 2.0 format using MSS 3.1 Database Tools

2. Convert the MSS 2.0 format to MSS 3.0/3.1 format. In the CADD®-Solis Administrator software, go to Settings -> System Tools -> Database Transfer and enter the fields for the Source and Destination as appropriate. Click on Verify Data Sources and if successful, click on Transfer Data.
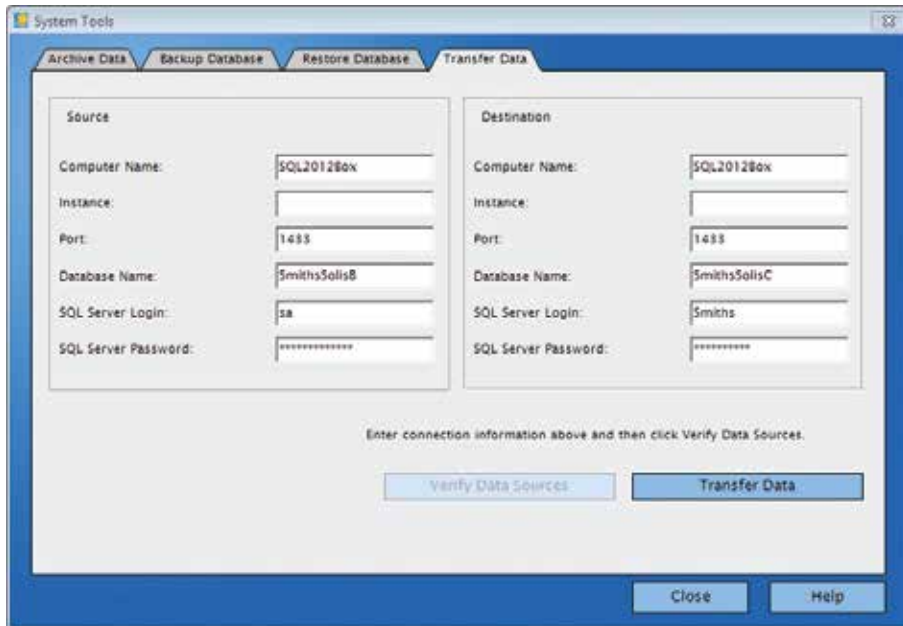

Figure 12 - Converting MSS 2.0 database to MSS 3.1 format using MSS 3.1 Transfer Data

Procedure F. Install MSS 4.2

Install MSS 4.2 by right-clicking setup.exe and selecting *Run As Administrator*. Note any previous version of MSS will be uninstalled.

1. Click Next on the *Welcome to the InstallShield Wizard for PharmGuard Administrator* screen.

2. Click the *I accept the terms in the license agreement* radio button and click *Next* on the *License Agreement* screen.

3. Clear the SQL Server 2008 Express and Database option if you are using a centralized database server or if you already have MSS 3.0/MSS 3.1 installed and then click *Next* on the *Custom Setup* Screen.
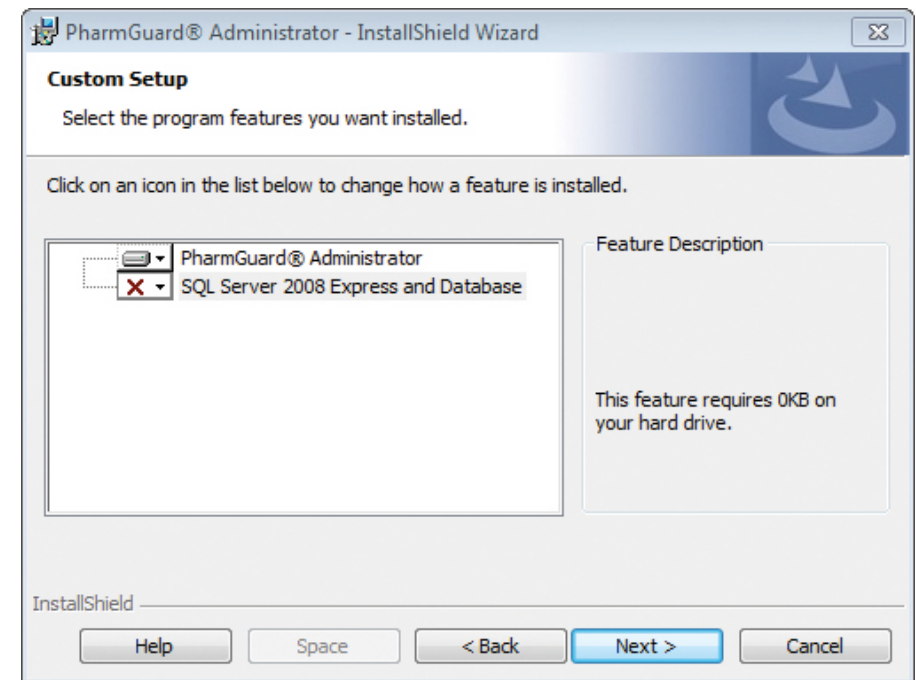

Figure 13 - Installing PharmGuard® Administrator software without SQL Server 2008 Express

OR alternatively, install PharmGuard® Administrator software and SQL Server 2008 Express on the same computer and then click *Next* on the *Custom Setup* Screen.
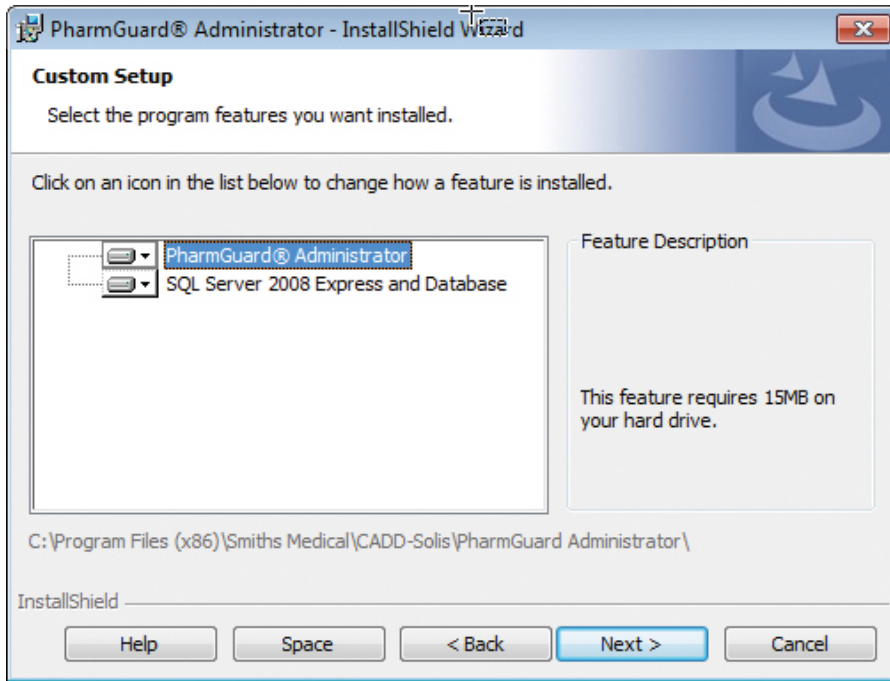

Figure 14 - Installation of PharmGuard® Administrator software and SQL Server 2008 Express

4. Click Next on the Application Destination Folder screen.

5. On the *Installation Options* screen, check the CADD®-Solis pump and CADD®-Solis VIP pump options. Enter the name of the SQL server in the *Please enter a server name: (optional)* field. Enter *localhost* if you are installing SQL Server 2008 Express. Do not leave this field blank.
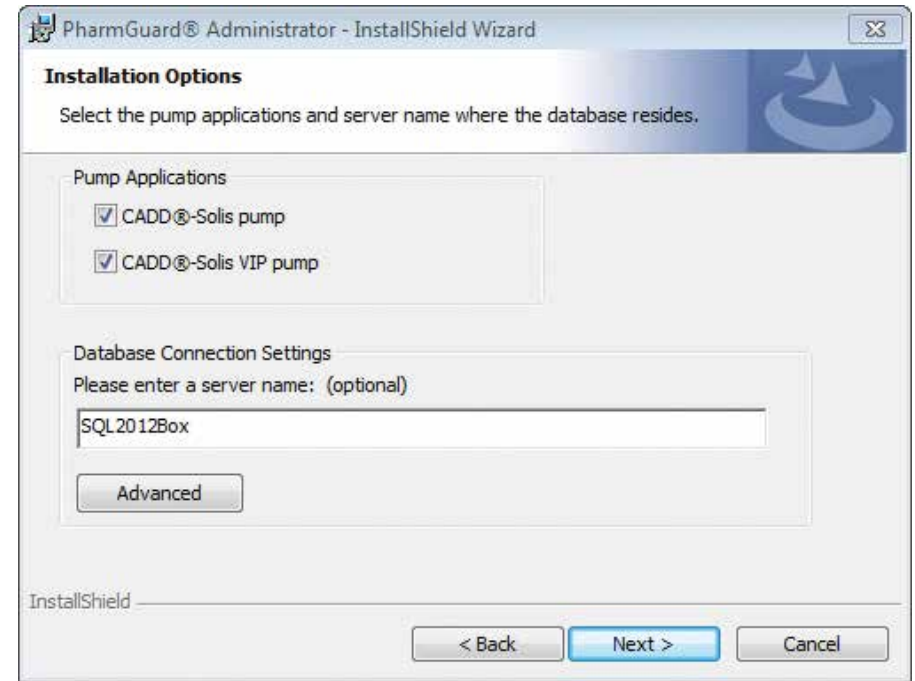

Figure 15 - Pump selection and server information

6. Click on the *Advanced* button and enter connection string details on the *Advanced Connection Settings screen* if you are installing on a centralized database server. In this example, the default instance with port 1433 is being used. Note the *Advanced* option is not available if you install SQL Server 2008 Express. Click OK.
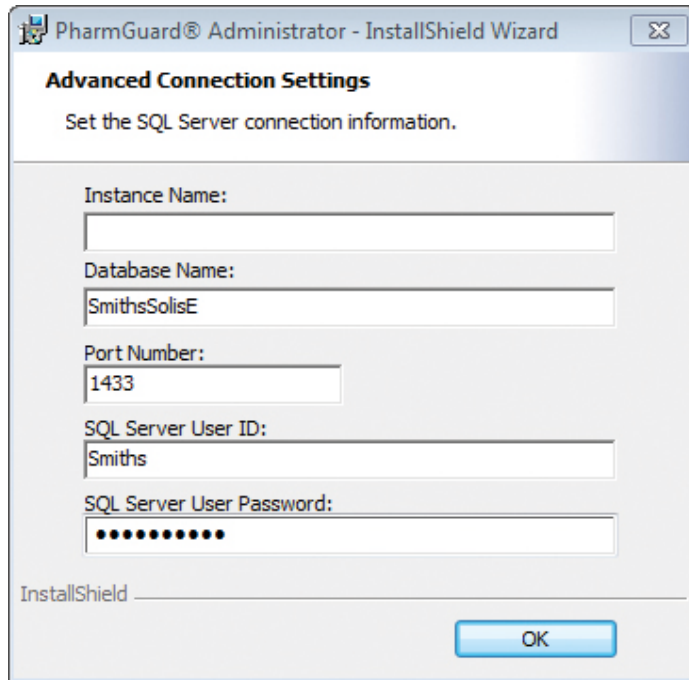

Figure 16 - Database connection information

7. Click Next on the *Installation Options* screen.

8. Click *Install* on the *Ready to Install the Program* screen.

9. Click *Finish* on the InstallShield Wizard Completed screen.

10. Create the SmithsSolisE database. This step is required only if you are using a centralized database server and you cleared the SQL Server 2008 Express and Database option in Step 1.

a) Copy the file D:\Installer\Database\Create Database.sql from the CD to the c:\temp directory.

b. Lines 15 and 17 of the SQL script contain a path to the data folder for the SQL Server instance. If the path to the data folder for your SQL Server instance is different, update the path in lines 15 and 17 appropriately.

c. Execute the script to create the SmithsSolisE database by using SQL Management Studio or the SQL command tool sqlcmd.

Procedure G. Convert MSS 3.0/3.1/3.3 database to MSS 4.2

In the PharmGuard® Administrator software, go to Settings -> System Tools -> Database Transfer and enter the fields for the Source and Destination as appropriate. Click on Verify Data Sources and if successful, click on Transfer Data.
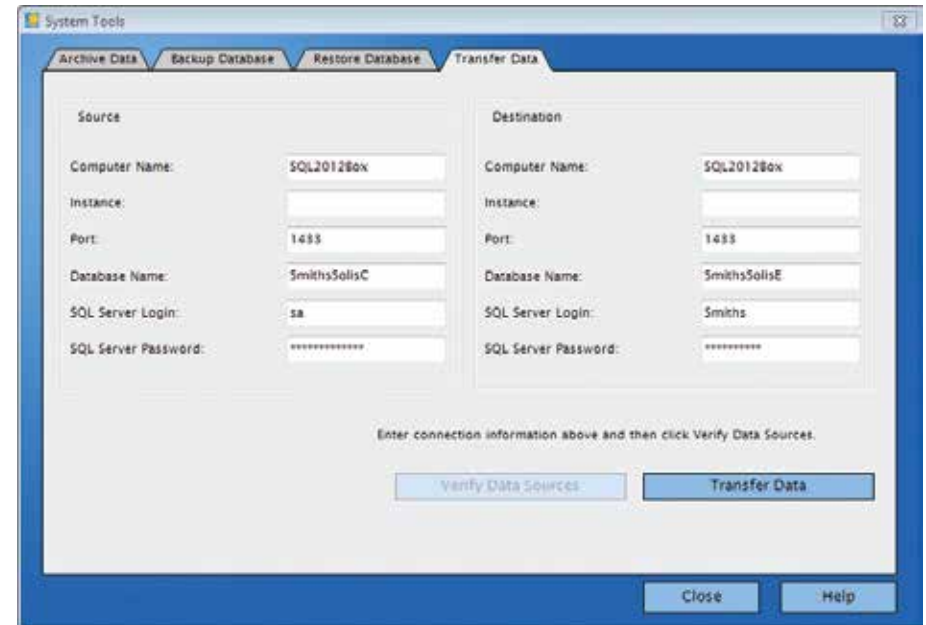

Figure 17 - Converting MSS 3.0/3.1/3.2 database to MSS 4.2 format using MSS 4.2 Transfer Data

Procedure H. Convert MSS 2.0 database to MSS 3.3

In the CADD®-Solis Administrator software, go to Settings -> System Tools -> Database Transfer and enter the fields for the Source and Destination as appropriate. Click on Verify Data Sources and if successful, click on Transfer Data.

Figure 18 - Converting MSS 2.0 database to MSS 3.3 format using MSS 3.3 Transfer Data

Procedure I. Update firmware with SureLink® PC Direct Connect Software

SureLink® software is used to update pump firmware. You will require a Gateway Serial Number to install SureLink® software. Once installed, Smiths Medical will deploy the appropriate firmware based on your target version.

Note that not all pumps using MSS 1.2 can have the pump firmware upgraded. Upgrade compatibility can be determined by the pump serial number. Contact your Smiths Medical representative for details.

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