smiths medical 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

I Introduction	3
I Contents	4
I List of Tables and Figures	5
I Part Numbers	6
I How to Use this Document	7
I Technical Support	8
I Procedure A. Record current MSS 3.0/3.1 database settings	9
I Procedure B. Install MSS 3.3	10
I Procedure C. Convert MSS 3.0/3.1 database to MSS 3.3	14
I Procedure D. Install MSS 3.1	15
I Procedure E. Convert MSS 1.2 database to MSS 3.0/3.1	19
I Procedure F. Install MSS 4.2	21
I Procedure G. Convert MSS 3.0/3.1/3.3 database to MSS 4.2	25
I Procedure H. Convert MSS 2.0 database to MSS 3.3	26
I Procedure I. Update firmware with SureLink® PC Direct Connect software	26

List of Tables

Table 1. CD part numbers and descriptions	6
Table 2. CDs required to be ordered	6
Table 3. Procedures to be followed	7

List of Figures

p. 5

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		
	Upgrade to Target Version	
Your Current 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		
	Upgrade to Target Version	
Your Current Version	CADD [®] -Solis Administrator 3.3 software	PharmGuard [®] Administrator 4.2 software
None	В	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*.

ocation		
Server Name:	SQL2012Box	
Advanced Connection Set	lgs	
Instance Name:		
Database Name:	SmithsSolisC	
Port Number:	1433	
SQL Server User ID:	Smiths	
SQL Server User Password:		
- if. D i i		
erity Permission		
User ID:	Jaamin	
User Password:	******** 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.

B CADD [™] -Solis Administrator - InstallShield Wizard	—		
Custom Setup Select the program features you want installed.	E		
Click on an icon in the list below to change how a feature is installed.			
CADD [™] -Solis Administrator X ▼ SQL Server 2005 Express and Database	Feature Description		
	This feature requires OKB on your hard drive.		
TostallShield			
Help Space < Back	Next > Cancel		

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*.

😸 CADD™-Solis Administrator - InstallShield Wizard	—	
Custom Setup Select the program features you want installed.		
Click on an icon in the list below to change how a feature is installed.		
SQL Server 2005 Express and Database	This feature requires 18MB on your hard drive.	
C: \Program Files (x86) \Smiths Medical \CADD-Solis MSS \CADD-Solis - Administrator \ InstallShield		
Help Space < Back	Next > Cancel	

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.

岗 CADD [™] -Solis Administrator - InstallShield Wizard		x
Installation Options Select the pump applications and server name where the	e database resides.	2
Pump Applications CADD-Prizm® PCS II pump CADD®-Solis pump CADD®-Solis VIP pump Database Connection Settings Please enter a service pame (optional)	+	
InstallShield	<u>N</u> ext >	Cancel

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.

CADD™-Solis Administrator - InstallShield Wizar	d 💌
Advanced Connection Settings	
Set the SQL Server connection information.	
Instance Name:	
Database Name:	
SmithsSolisC	
Port Number:	
1433	
SQL Server User ID:	
Smiths	
SQL Server User Password:	
•••••	
InstallShield	
	ж

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 $^{\odot}\mbox{-}Solis$ 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.

🗒 CADD™-Solis Administrator - InstallShield Wizard	—	
Custom Setup Select the program features you want installed.	E	
Click on an icon in the list below to change how a feature is installed.		
CADD™-Solis Administrator X ▼ SQL Server 2005 Express and Database	Feature Description	
	This feature requires 0KB on your hard drive.	
InstallShield		
Help Space < Back Next > Cancel		

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.

🗒 CADD™-Solis Administrator - InstallShield Wizard	—
Custom Setup Select the program features you want installed.	2
Click on an icon in the list below to change how a feature is in	stalled.
CADD TM -Solis Administrator SQL Server 2005 Express and Database	Feature Description
	This feature requires 18MB on your hard drive.
C:\Program Files (x86)\Smiths Medical\CADD-Solis MSS\CADD- Administrator\	Solis -
InstallShield	
Help Space < Back	Next > Cancel

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.

CADD [™] -Solis Administrator - Insta	IIShield Wizard		23
Installation Options			
Select the pump applications and serve	er name where the d	atabase resides.	
Pump Applications			
CADD-Prizm® PCS II pump			
CADD®-Solis pump			
CADD®-Solis VIP pump			
Database Connection Settings			
Please enter a server name: (option	al)		
SQL2012Box			
Advanced			
stallShield			

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.

🗒 CADD™-Solis Administrator - InstallShield Wizard	×
Advanced Connection Settings	
Set the SQL Server connection information.	
Instance Name:	
Database Name:	
SmithsSolisC	
Port Number: 1433	
SQL Server User ID: Smiths	
SQL Server User Password:	
InstallShield	
ОК	

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

 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.

		Version 3.1	
Source Computer Name: Instance: Port SQL Server Login: SQL Server Password: Detected Source Databases CADCISSION Vensors 32	MS\$125QLBox SMITHSMEDICAL2 55000 pa	Destination Computer Name: Instance: Port SQL Server Login: SQL Server Password: Database Name:	Smithe Smithe Smithe SmitheSoleB

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.

Source		Destination	
Computer Name:	SQL2012Box	Computer Name:	SQL2012Box
nstance:		Instance	-
Port	1483	Port	1433
Database Name:	5miths5olis8	Database Name:	SmithsSolisC
SQL Server Login:	58	SQL Server Login:	Smiths
GL Server Password:		SQL Server Password:	
	Enter co	onnection information above and then	click Verify Data Sources.
		CONTRACTOR OF A	Transiel Calla

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 *l* 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.

🛃 PharmGuard® Administrator - InstallShield Wizard	X
Custom Setup Select the program features you want installed.	E
Click on an icon in the list below to change how a feature is in	istalled.
PharmGuard® Administrator SQL Server 2008 Express and Database	Feature Description
	This feature requires 0KB on your hard drive.
InstallShield Space < Back	Next > Cancel

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.

😸 PharmGuard® Administrator - InstallShield 🗤 🖂	—
Custom Setup	
Select the program features you want installed.	
Click on an icon in the list below to change how a feature is in	stalled.
DharmGuard® Administrator	Feature Description
SQL Server 2008 Express and Database	
	This feature requires 15MB on
	your hard drive.
C:\Program Files (x86)\Smiths Medical\CADD-Solis\PharmGuar	d Administrator\
InstallShield	
Help Space < Back	Next > Cancel

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.

🛃 PharmGuard® Administrator - InstallShield Wizard	X
Installation Options Select the pump applications and server name where the database resides.	3
Pump Applications CADD®-Solis pump CADD®-Solis VIP pump	
Database Connection Settings Please enter a server name: (optional)	
Advanced	
InstallShield Kext >	Cancel

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.

🗒 PharmGuard® Administrator - InstallShield Wizard	x
Advanced Connection Settings	
Set the SQL Server connection information.	
Instance Name:	_
Database Name:	
SmithsSolisE	
Port Number: 1433	
SQL Server User ID: Smiths	-
SQL Server User Password:	
InstallShield	
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.

Source		Destination	
Computer Name:	SQL2012Box	Computer Name:	5QL20128ox
nstance		Instance	
Port.	1483	Port:	1433
Database Name:	SmithsSolisC	Database Name:	SmithsSolisE
SQL Server Login:	sa	SQL Server Login:	Smiths
GQL Server Password:		SQL Server Password:	
	Exter co	venify Data Sources	click Verify Data Sources. Transfer Data

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

CADD[®]-Solis and PharmGuard[®] Administrator

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.

Source		Destination	
Computer Name:	SQL2012Box	Computer Name:	SQL20128ex
nstance		Instance:	
Port	1483	Port:	1483
Database Name:	SmithsSolisC	Database Name:	SmithsSolisE
SQL Server Login:	sa	SQL Server Login	Smiths
SQL Server Password:		SQL Server Password:	
	Enter co	onnection information above and then	click Verify Data Sources.
		Verify Data Sources	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.

Smiths Medical Offers Outstanding Support

- Clinical and technical support
- Education and training materials for clinicians and patients

1-800-258-5361 www.smiths-medical.com

PRODUCT(S) DESCRIBED MAY NOT BE LICENSED OR AVAILABLE FOR SALE IN CANADA AND OTHER COUNTRIES

Smiths Medical ASD, Inc. 6000 Nathan Lane North Minneapolis, MN 55442, USA Tel: 1-614-210-7300

Toll-Free USA: 1-800-258-5361

www.smiths-medical.com

Find your local contact information at: www.smiths-medical.com/customer-support/

Smiths Medical is part of the global technology business Smiths Group plc. Product(s) described may not be licensed or available for sale in all countries. CADD, PharmGuard, SureLink and the Smiths Medical design mark are trademarks of Smiths Medical. The symbol © indicates the trademark is registered in the U.S. Patent and Trademark Office and certain other countries. All other names and marks mentioned are the trademarks or service marks of their respective owners. Product referenced is CE-marked.

©2017 Smiths Medical. All rights reserved. IN193745EN-122017



MMSPCA-0008