SOPRANE I

Installation guide



SRA INSTRUMENTS

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Table of contents

3
3
4
4
5
5
6
7
7
13
17
17
18
19

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1. Check your computer configuration

Soprane can be installed on Windows Seven, 8 and 10.

To successfully complete the installation, the computer must be started with **an administrator account with full write and modify rights.** The installation must be performed by a competent person who is sufficiently familiar with the Windows environment.

1.1 Remove the alert messages on screen

In order to avoid receiving alert messages on your computer, for example each time you want to launch an analysis, use the following procedure:

- 1. Simultaneously press the 'Windows flag' key and the 'R' key.
- 2. In the 'Run' window that appears, type in the field Open the following line: useraccountcontrolsettings and validate.
- 3. The following window appears:

😵 User Account Control	Settings		_ 🗆 ×
Choose w	when to be no	otified about changes to your computer	
User Accor Fell me mo	unt Control hel re about User	ps prevent potentially harmful programs from making changes to your computer. Account Control settings	
Alway	s notify		
-	-	Never notify me when:	
		 Programs try to install software or make changes to my computer 	
-	-	I make changes to Windows settings	
-	-		
		Not recommended. Choose this only if you need to use programs that are not certified for Windows 7 because	
-1	<u> </u>	they do not support User Account Control.	
Never	notify		
		😽 OK Cancel	

4. Place the cursor at the lowest level 'Never notify'.

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1.2 Remove the stand-by modes

If the stand-by modes of your computer, of the USB ports or of the hard disk are active, there is a risk that your analysis will be stopped if the stand-by mode occurs during its cycle. To avoid that, settings have to be done.

1.2.1 Remove the stand-by mode on your computer

- 1. Simultaneously press the 'Windows flag' key and the 'R' key.
- 2. In the **'Run'** window that appears, type in the field Open the following line: **control powercfg.cpl @0,0** and validate.
- 3. A window called **'Power Options'** appears. It contains a tree structure allowing you to configure several elements of the computer.

🦻 Power Options	? ×
Advanced settings	1
Select the power plan that you want to customize, and then choose settings that reflect how you want your computer to manage power.	
Dell [Active]	
 Internet Explorer Desktop background settings Wireless Adapter Settings Sleep Sleep after Setting: Never Allow hybrid sleep Hibernate after Setting: Never Allow wake timers 	
<u>R</u> estore plan defaults	
OK Cancel AP	ply

4. Expand the Sleep tree.

Depending on whether you are using a laptop or a desktop computer, there are two possibilities:

- Either you have two lines: 'On battery' and 'Plugged in'
- Or, you have directly the line 'Setting'

If the value is not 'Never', click on the displayed number and type in the value **0**.

! Do not confirm with the 'Enter' key otherwise the window will close but click on another parameter to view the change.

The value 0 is transformed into the value **Never**.

5. Always expand the Sleep tree to the Hibernate setting and make any necessary changes.

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1.2.2 Remove the stand-by mode of the USB ports

Again from the Power Options window, expand the **USB Settings** tree. For the **USB selective suspend setting**, select the **Disabled** mode.

Power Options	×
Advanced settings	
Select the power plan that you want to customize, and then choose settings that reflect how you want your computer to manage power.	
Dell [Active]	
 Internet Explorer Desktop background settings Wireless Adapter Settings Sleep USB settings USB selective suspend setting Setting: Enabled Power buttons and lid PCI Express Processor power management 	
<u>R</u> estore plan defaults	
OK Cancel Apply	

1.2.3 Remove the stand-by mode of the hard disk

From the Power Options window, expand the **Hard Disk** Tree. Make the same changes as before for the **Turn off hard disk after** setting.

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👂 Power Options	? ×
Advanced settings	
Select the power plan that you want to customize, and then choose settings that reflect how you want your computer to manage power.	
Dell [Active]	
 Dell Hard disk Turn off hard disk after Setting: Never Internet Explorer Desktop background settings Wireless Adapter Settings Sleep USB settings Power buttons and lid DCI Express 	
<u>R</u> estore plan defaults	
OK Cancel Ap	ply

1.2.4 Disable power management for the network adapter

Some of your network adapters may not have the **Power Management** tab available. In this case, you can skip this part.

Use **Device Manager** to change the power management settings for a network adapter.



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To disable all Power Management settings in Device Manager, expand **Network Adapters**, right-click the **adapter** > **Properties** > **Power Management**, and then clear the **Allow the computer to turn off this device to save power** check box.

	Ethernet Adapter Properties
	General Advanced Driver Details Power Management
	A
1	Allow the computer to turn of this device to save power
	Allow this device to make the computer Only allow a magic packet to wake the computer
	Warning: If this is a laptop computer and you run it using battery power, allowing the network adapter to wake the computer could drain the battery more quickly. It might also cause the laptop to become very hot if it wakes up while packed in a carrying case.

2. Soprane installation

2.1 Software installation

First of all, make sure that the Soprane key is not connected to your computer.

For the installation:

- 1. Select the setup.exe file with Windows explorer in the device provided for Soprane installation, right click and select the sub-menu 'Run as administrator'.
- 2. Choose the language and click on Ok :

Select Se	etup Language
ø	Select the language to use during the installation:
	English 💌
	OK Cancel

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3. In the window displayed, click on Next :



4. In the new window, select 'I accept the agreement' and click on Next :

Please read the following important inf	ormation before continuing.	2
Please read the following License Agre agreement before continuing with the i	ement. You must accept the terms of installation.	fthis
Warning		
Minimale Configuration required : Microsoft Windows XP Service Pack 2 ((SP2)	
The Soprane software is the property Any reproduction even partial of this ' of the editor is liable to continuation le	company SRA Instruments. ^product without the agreement gal.	
It is recommended to have administrat contact your network administrator.	tor rights to install this software,	-
I accept the agreement		

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5. In the next window you will choose the folder where you want to save Soprane. It is recommended to keep the path C:\Soprane, but if you would like to place the software elsewhere, just click on 'Browse' and select the location. Then click on Next.

Setup - SOPRANE		
Select Destination Location		SRA
where should SOPRAINE be installed?		INSTRUMENTS
Setup will install SOPRANE into t	ne following folder.	
To continue, dick Next. If you would like t	o select a different folder, o	click Browse.
C:\Soprane		Browse
At least 21,6 MB of free disk space is requ	iired.	
	< Back Next	> Cancel

6. Select the components to install and click on Next.

If you don't know which to choose, select them all as shown below. (The Soprane key will unlock only the components required for the customer application).

Select the components you want install. Click Next when you are r	t to install; clear the components you do not w ready to continue.	ant to
Specific installation		
✓ Init files		
Modbus components		0,3 ME
Msd coupling components		0,2 ME
Specify calculation		0,3 ME
Example files		1,2 ME
Example excernic		0,1110
Current selection requires at least	st 23.2 MB of disk space.	
	•	

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7. Select the Start menu folder where the Soprane's shortcuts will be installed and click on Next. (Usually SRA Instruments is chosen).

🔂 Setup - SOPRANE	<u>- 🗆 ×</u>
Select Start Menu Folder Where should Setup place the program's shortcuts?	<u>SRA</u>
Setup will create the program's shortcuts in the following Start i	Menu folder.
To continue, click Next. If you would like to select a different folder, click	c Browse.
SRA Instruments	Browse
< <u>B</u> ack <u>N</u> ext >	Cancel

8. Choose if you want to create a shortcut on the desktop or in the quick launch bar and click on Next :

lect Additional Tasks	a
Which additional tasks should be performed?	
Select the additional tasks you would like Setup to per then click Next.	rform while installing SOPRANE,
Additional icons:	
Create a desktop icon	
Create a Quick Launch icon	

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9. In the new window, click on Install :

Setup - SOPRANE	_ 🗆 🗵
Ready to Install Setup is now ready to begin installing SOPRANE on your computer.	SRA
Click Install to continue with the installation, or click Back if you want to revie change any settings.	ew or
Destination location: C:\Soprane	-
Setup type: Specific installation	
Selected components: Init files Modbus components Msd coupling components Specify calculation Example files Example Excel file	
T	
< <u>B</u> ack Install	Cancel

10. Stop automatically the applications and click on Next (Note: this step is not systematic; it is only displayed if other applications are open on the PC):

Prona	ving to Install	
Set	up is preparing to install SOPRANE on your computer.	5
0	The following applications are using files that need to be updated by recommended that you allow Setup to automatically close these app After the installation has completed, Setup will attempt to restart the applications.	/ Setup. It is lications. e
	AAM Updates Notifier Application SoftThinks Agent Service	<u> </u>
		v <u>Þ</u>
	Automatically close the applications	
	C Do not close the applications	
	< Bady Nevt >	Cancel

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Premier Solutions Partner 11. Soprane installation is launched :

🐻 Setup - SOPRANE	
Installing Please wait while Setup installs SOPRANE on your computer.	SRA
Registering files	
	Cancel

12. At the end of Soprane installation, select 'Installation of the protection key drivers' and click on Finish :



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2.2 Drivers installation

The drivers installation is automatically launched after the Soprane installation. However, it is possible that the launch will not be automatic **if**:

- the installer has not been started in administrator mode and an error message appears at the beginning of the installation of the key drivers (code 740)
- the automatic launch box is unchecked

In this case:

- 1. On the key or the CD, look for the file : Soprane/Module/Sentinel System Driver Installer.exe
- 2. Right click to launch it in administrator mode

The drivers' installation is automatically launched:

InstallShield Wizard	
	Preparing to Install
	Sentinel System Driver Installer 7.5.8 Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
	Configuring Windows Installer
	Cancel

1. In the window displayed, click on Next :

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2. Then accept the terms in the license agreement and click on Next :

😸 Sentinel System Driver Installer 7.5.8 - InstallShield Wizard	×
License Agreement Please read the following license agreement carefully.	1.
License Grant/Warranty for Software	
This License describes limited rights granted by SafeNet, Inc. and/or one of its subsidiaries (such grantor, "Seller") to the Buyer.	
A. The term "Software", as used herein, shall mean a program or programs consisting of machine readable logical instruction and tables of information designed as libraries or drivers to work in conjunction with Seller's Sentinel Keys ("Products"). Title to all Software furnished to Buyer hereunder shall	Ŧ
I accept the terms in the license agreement Print	
\bigcirc I do not accept the terms in the license agreement	
InstallShield	
< Back Next > Cancel	

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Premier Solutions Partner 3. In the following window, select 'Complete' and click on Next :



4. In the window displayed, click on Install :

🕼 Sentinel System Driver Installer 7.5.8 - InstallShield Wizard
Ready to Modify the Program The wizard is ready to begin installation. Sentinel.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield < Back Install Cancel

The drivers' installation is launched.

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5. To complete the installation, click on Finish :



6. Connect the Soprane key and go to Soprane Set Up.

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3. Computer configuration for networking

For some uses, it is necessary to modify the administrator rights of some directories and registry keys.

3.1 Administrator authorization on Soprane directory

- 1. Take administrator rights.
- 2. Right click on Soprane directory (by default: C:\Soprane) and click on the Properties menu.

ieneral	Sharing	Security	Previous Version	s Custon	nize
Object na	ame: C	:\Soprane		260	
Group or	user nan	nes:			
Auth	enticate	d Users			
Adm	inistrator	s (RD2\Ad	lministrators)		
& Use	rs (RD2)	Users)	and actively		
-	200	5.0 V.9404		5.75	
To chang	je permis	sions, click	c Edit.	E	dit
Permissio	ns for Us	sers	Allo	w [Deny
Full co	ntrol				-
Modify					
Read &	& execute	в		/	=
List fold	der conte	ents	~	1	
Read			~	/	
51 C 10 C 10 C 10 C					-

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3. In the Security tab, select the Users group and click on the Edit button.

Object name: C:\Sonrana		
object name. C. Soprane		
Group or user names:		
& Authenticated Users		
SYSTEM		
& Administrators (RD2\Adm	ninistrators)	
& Users (RD2\Users)		
2	Add	Remove
Permissions for Users	Add	Remove
Permissions for Users	Add Allow	Remove Deny
Permissions for Users Full control Modify	Add Allow	Deny
Permissions for Users Full control Modify Read & execute	Add Allow	Deny
Permissions for Users Full control Modify Read & execute List folder contents	Add Allow	Deny
Permissions for Users Full control Modify Read & execute List folder contents Read	Add Allow	Remove Deny

- 4. Select users.
- 5. Check the Full control box and validate by clicking on the Apply button.
- 6. Close the different windows with the Ok button.

3.2 Administrator authorization on the user ProgramData directory

The user 'ProgramData' directory is accessible by the following way:

- 1. Open the Windows Execute menu.
- 2. Enter the following data: %programdata% and validate by Enter.
- 3. A Windows Explorer window is opened directly on the right directory.
- 4. Select the SRA folder and make the same modifications on the Security tab as in the Soprane directory.

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Object name: C:\ProgramData\SRA Group or user names: CREATOR OWNER SYSTEM Administrators (RD2\Administrators) Users (RD2\Users) To change permissions, click Edit. Permissions for Users Allow Deny Full control	
Group or user names: CREATOR OWNER SYSTEM Administrators (RD2\Administrators) Cochange permissions, click Edit. Permissions for Users Allow Deny Full control	
CREATOR OWNER SYSTEM Administrators (RD2\Administrators) Users (RD2\Users) To change permissions, click Edit. Permissions for Users Allow Deny Full control	
SYSTEM Administrators (RD2\Administrators) Users (RD2\Users) To change permissions, click Edit. Permissions for Users Allow Deny Full control	
Administrators (RD2\Administrators) Users (RD2\Users) To change permissions, click Edit. Edit Permissions for Users Allow Deny Full control	
To change permissions, click Edit. Edit Permissions for Users Allow Deny Full control	
To change permissions, click Edit. Edit Permissions for Users Allow Deny Full control	_
Permissions for Users Allow Deny Full control	
Permissions for Users Allow Deny Full control	
Full control	
	-
Modify	
Read & execute 🗸	11
List folder contents	
Read	
Write	-
For special permissions or advanced settings, click Advanced.	
Leam about access control and permissions	

3.3 Administrator authorization on the Soprane registry key

The registry is accessible via the Windows Execute menu. Enter the following information: **Regedit** and validate by Enter.

A window opens, displaying the different values of the registry.

- Reach the folder : HKEY_LOCAL_MACHINE\SOFTWARE\SRA_Instruments\SOPRANE, BE CAREFUL, in the case of Windows 10 64 bits, it is necessary to select the folder HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\SRA_Instruments\SOPRANE
- 2. Right click on SOPRANE key and select the Permissions sub-menu.

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3. As previously, select the Users group.

county		
Group or user names:		
& CREATOR OWNER		
SYSTEM		
& Administrators (RD2\Ad	ministrators)	
Users (RD2\Users)		
2		
	Add	Remove
Permissions for Users	Allow	Deny
Full Control		
Read	1	
Special permissions		
For special permissions or ad click Advanced.	vanced settings,	Advanced

- 4. Check the 'Full Control' box, click on the Apply button and validate by the Ok button.
- 5. Close the registry.

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