SOPRANE I

Installation guide



SRA INSTRUMENTS

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1. Check your computer configuration

Soprane can be installed on Windows XP, Seven, 8 or 10. In order to carry out a successfully installation, some important conditions must be set-up.

1.1 Set the Administrator mode

- 1. Click on 'Start' and select 'Control Panel'.
- 2. In the window displayed, select 'User Accounts'.
- 3. Click on 'Manage users accounts'.
- 4. Select the user. The user must be administrator to perform the installation. If it is not the case, click on 'Properties' and in the tab concerning the belonging group select 'Administrator' and click on 'Apply'.

On Windows Seven, when you have selected 'Users Accounts', click on 'Change the account type', then select 'Administrator' and click on 'Change Account Type'.

○ <	Manage Account > Change an Account > Change Account Type - 4 Search Control Panel	Q
File Edit View	Tools Help	
	Choose a new account type for extern extern Standard user Password protected	
	 Standard user Standard account users can use most software and change system settings that do not affect other users or the security of the computer. Administrator 	
	Administrators have complete access to the computer and can make any desired changes. Based on notification settings, administrators may be asked to provide their password or confirmation before making changes that affect other users.	
	We recommend that you protect every account with a strong password.	
	Why is a standard account recommended?	
	Change Account Type Cancel	

1.2 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, it is important to select 'Never notify'.

- 1. Click on 'Start' and select 'Control Panel'.
- 2. In the window displayed, select 'User Accounts'.

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3. Click then on 'Change User Account Control Settings' ; the following window is displayed:

😵 User Account Control Settings		
Choose when to User Account Control (Tell me more about U Always notify	be notified about changes to your computer helps prevent potentially harmful programs from making changes to you er Account Control settings	ur computer.
- [=	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 they do not support User Account Control.	
Never notify		
	В ок	Cancel

4. Place the cursor at the bottom 'Never notify'.

1.3 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.

1.3.1 Remove the stand-by mode on your computer

- 1. Click on 'Start' and select 'Control Panel'.
- 2. Click on 'Power Options'. The window below appears:



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surveillance au capital de 150.00 RCS Lyon B 342 068 731 APE 4669B SIRET: 342 068 731 00054 Code TVA FR 40342068731 3. By default Balanced is selected. Click on 'Change plan settings'. The window below appears:

Q → S × A	All Control Panel Items 🔸 Power O	ptions 🕨 Edit Plan Settings	✓ 4 Search Control Panel	Q
File Edit View	Tools Help			
	Change settings for the p Choose the sleep and display set	olan: Balanced tings that you want your comp	uter to use.	
		0n battery	Plugged in	
	Ø Dim the display:	2 minutes 🔹	5 minutes 🔹	
	Turn off the display:	5 minutes 🔹	10 minutes	
	9 Put the computer to sleep:	Never 💌	Never	
	🔆 Adjust plan brightness:	• — <u> </u>	o 💥	
	Change advanced power setting Restore default settings for this p	s Ian		
			Save changes Cancel	

4. In front of 'Put the computer to sleep', check that the option 'Never' is enabled. If it is not the case, select it.

1.3.2 Remove the stand-by mode of the USB ports

- 1. Click on 'Start' and select 'Control Panel'.
- 2. In the window displayed, select 'Device Manager'.
- 3. In the new window, click on 'Universal Serial Bus controllers' so that the screen displays:

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- 4. Select the USB concerned (or all if needed) and double-click.
- 5. In the window displayed, select the tab 'Power Management' and uncheck the box as shown below:

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6. Click on Ok.

1.3.3 Remove the stand-by mode of the hard disk

- 1. Click on 'Start' and select 'Control Panel'.
- 2. Click on 'Power Options'. The window below appears:



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Edit View	Tools Help				
	Change settings for the p	lan: Balanced			
	Choose the sleep and display set	tings that you want your comp	uter to use.		
		On battery	🚿 Plugged in		
	Oim the display:	2 minutes 🔹	5 minutes	•	
	Turn off the display:	5 minutes 🔹	10 minutes	•	
	Put the computer to sleep:	Never	Never	•	
	🔆 Adjust plan brightness:	o	o0 3	×	
	Change advanced power setting:	5			
	Restore default settings for this p	lan			
			Save changes	Cancel	

3. By default Balanced is selected. Click on 'Change plan settings'. The window below appears:

- 4. Click on 'Change advanced power settings'.
- 5. Click in front of 'Hard disk'.
- 6. Click in front of 'Turn off hard disk after'. The window below appears:

Select the power plan that you want to then choose settings that reflect how computer to manage power.	o customize, and you want your
Balanced [Active]	
Balanced	*
Require a password on wakeup	
On battery: Yes	
Plugged in: Yes	-
Hard disk Turn off bard disk after	
On batten: Never	
Plugged in (Minutes): Never	
Internet Explorer	1
Desktop background settings	
m Wireless Adapter Settings	*
Restore	e plan defaults

7. Check that 'Never' is selected otherwise set it.

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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 :



3. In the window displayed, click on Next :



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

Setup - SOPRANE		_ 🗆 2
License Agreement	ation before continuing	SRA
Please read the following important informa-	adon before continuing.	THETRUMEN
Please read the following License Agreeme agreement before continuing with the inst	nt. You must accept the te allation.	rms of this
Warning		
Minimale Configuration required :		
Microsoft Windows XP Service Pack 2 (SP2	.)	
The Soprane software is the property con	pany SRA Instruments.	
Any reproduction even partial of this ^pro	duct without the agreeme	nt
of the editor is liable to continuation legal.		
It is recommended to have administrator r	ights to install this softwar	e.
contact your network administrator.		
		_
I accept the agreement		
$\ensuremath{\mathbb{C}}$ I do not accept the agreement		
	< Back Next	> Cancel
	- HEAT	Conter

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.

elect Destination Location Where should SOPRANE be installed	?	
Setup will install SOPRANE i	nto the following folder	2
To continue, dick Next. If you would	like to select a differer	it folder, click Browse.
C:\Soprane		Browse
		1.100

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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 to install; dear the comp install. Click Next when you are ready to continue.	ponents you do not want to
Specific installation	•
☑ Init files	
Modeus components	0,3 MB
Specify calculation	0,2 MB
Example files	1.2 MB
Example Excel file	0,1 MB
Current selection requires at least 23,2 MB of disk space.	

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				
Select Start Menu Folde Where should Setup place	r e the program's sh	nortcuts?		A
Setup will create	the program's sh	ortcuts in the foll	owing Start Me	nu folder.
To continue, dick Next. I	^F you would like to	select a differen	t folder, click Br	owse,
SRA Instruments			E	rowse
		< Back	Next >	Cancel

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

🐞 Setup - SOPRANE	<u>- ×</u>
Select Additional Tasks	SRA
which additional tasks should be performed?	INSTRUMENTS
Select the additional tasks you would like Setup to perform while installing then dick Next.	SOPRANE,
Additional icons:	
Create a desktop icon	
Create a Quick Launch icon	
and make	1 const 1
< Back Mext >	

9. In the new window, click on Install :

ady to Install Saturia natura du ta basin installing SODD		Œ
Setup is now ready to begin installing SOPR.	ANE on your computer.	1.00
Click Install to continue with the installation,	, or click Back if you want to i	review or
rnange any settings.		
C:\Soprane		-
Setup type: Specific installation		
Selected components: Init files Modbus components		
Msd coupling components Specify calculation Example files Example Excel file		•
		Þ
	17 - 17 - 17 - 17 - 17 - 17 - 17 - 17 -	2001

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10. Stop automatically the applications (if possible) and click on Next :

🗴 Setup	SOPRANE	<u>_ ×</u>
Prepa Set	ring to Install up is preparing to install SOPRANE on your computer.	<u>SRA</u>
0	The following applications are using files that need to be updated by S recommended that you allow Setup to automatically close these applic After the installation has completed, Setup will attempt to restart the applications.	etup. It is ations.
	AAM Updates Notifier Application SoftThinks Agent Service	×
		E
	Automatically dose the applications	
	C Do not close the applications	
	< <u>B</u> ack <u>N</u> ext >	Cancel

11. Soprane installation is launched :

Setup - SOPRANE	
Installing Please wait while Setup installs SOPRANE on your computer.	SR
Registering files	
	Connel

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



2.2 Drivers installation

The drivers installation is automatically launched after the Soprane installation, excepted if an error message appeared at the end of Soprane installation. 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

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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 :

1	Bentinel System Driver Installer 7.5.8 - InstallShield Wizard
	License Agreement Please read the following license agreement carefully.
	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
	I accept the terms in the license agreement Print
	I do not accept the terms in the license agreement
	InstallShield
	< Back Next > Cancel

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



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4. In the window "Program maintenance", select 'Modify' and click on Next. This window doesn't open if the key drivers have already been installed on the computer.



5. In the following window, select Sentinel System Drivers and click on Next :



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6. 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.
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.

7. To complete the installation, click on Finish :



8. 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 some directories administrator rights and some 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 menu Properties.

ieneral S	haring	Security	Previous Versio	ns Customize	
Object na	me: (:\Soprane			
Group or u	iser nar	nes:			
& Authorsky SYS [®] & Admi	enticate TEM nistrator s (RD2)	d Users s (RD2\Ad "Users)	ministrators)		
To change	e permis	ssions, click	c Edit.	Edit	2
Permission	ns for Us	sers	A	low Deny	r -
Full con	trol				1
Modify					
Read &	execut	e		1	=
List fold	er conte	ents		1	
Read				1	
Write					-
For specia click Adva	l permis inced.	sions or ad	vanced settings,	Advance	ed
Learn abo	ut acce	ss control a	and permissions		

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

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

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

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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eneral Sharing Securit	by Previous Versions Cus	tomize
Object name: C:\Progra	amData\SRA	
Group or user names:		
SCREATOR OWNER		
SYSTEM		
& Administrators (RD2)	Administrators)	
Users (RD2\Users)		
Ta abanga naminsiana, al	liala Eda	
to change pennissions, c	IICK EUIL	Edit
Permissions for Users	Allow	Deny
Full control		
Modify		
Read & execute	1	=
List folder contents	1	
Read	~	
Write		-
For special permissions or	advanced settings,	Advanced
click Advanced.		avancea
learn about access contr	al and norminations	
Learn about access contri	or 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.

- 1. 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 sub-menu Permissions.

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3. As previously, select the Users group.

Group or user names:		
SCREATOR OWNER		
SYSTEM		
& Administrators (RD2\Adm	ninistrators)	
🚜 Users (RD2\Users)		
	Add	Remove
Permissions for Users	Allow	Deny
Full Control		
Read	4	
Special permissions		
For special permissions or adv	anced settings.	A.1
click Advanced.		Advanced
	No and Market and Andrews	

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

5. Close the registry.

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