

## Computer's connection to Sepam with USB front panel Windows XP version

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#### **Application note**

Release date:	Version:	Written by:	Checked by :		Approved by:
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## 19 OBJECTIVES

Sepam are now delivered with an USB connection on the front panel.

This document aims to explain the necessary installation on computer's side to allow the connection with the Sepam.

## 2) PREREQUISITES

It is mandatory to use SFT2841 in version 14.0 or higher.

This version differs from V13.1 mainly by a new release of the embedded Modbus serial driver. It is actually this new serial driver version that is mandatory.

Right click on the driver's icon in task bar about the driver.

and select "about" to display the information

You must have version higher or equal to 1.11 (Win XP) or 3.3 (Win 7)

MODBUS Driver - MODBUS01	MODBUS Driver - MODBUS01
Configuration   Runtime   Debug About   Modbus Driver Info WIN 32 Modbus Serial Driver Release Version 1.11 (IE38 - Build 0) Copyright © 2001-2013 Schneider Electric System Info WINDOWS NT V5.1 (Build 2600) Extended Info : Service Pack 2 WINDOWS Sockets V1.1 (V2.2 detected)	Configuration Runtime Debug About Modbus Driver Info WIN 64 Modbus Serial Driver Release Version 3.3 (IE13 - Build 0) Copyright © 2013 Schneider Electric, All Rights reserved System Info WINDOWS NT V6.1 (Build 7601) Extended Info : Service Pack 1 WINDOWS Sockets V1.1 (V2.2 detected)
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If you are installing SFT2841 V14 now, remind to reboot the computer after the installation.

### **<u>39 FIRST CONNECTION TO SEPAM</u>**

When connecting the USB cable from computer to Sepam, the computer should detect the Sepam. This is visible by a notification:



#### BE PATIENT!!! Sometimes this mechanism takes up to one minute

Some computers fail to detect the new hardware by themselves. In this case you have to make it check for additional hardware: open control panel, then system, then device manager and use Action menu and select "scan for hardware changes" (this is described later in this document).

## 4) USB DRIVER INSTALLATION

If the automatic detection worked well, the following screen should appear:



Select "No, not this time" because the driver has been installed by SFT2841 and this avoid finding another one that may not be the right one to use.

On next screen select install automatically

Found New Hardware Wiza	ard
	This wizard helps you install software for: Sepam Series If your hardware came with an installation CD or floppy disk, insert it now. What do you want the wizard to do? Install the software automatically (Recommended)
	Click Next to continue.
	< Back Next > Cancel

and click Next.

#### A Warning pop up appears:



You can safely click "Continue Anyway"

Then wait until the installation finishes and click the Finish button:



At this step, although it's not always necessary, it is advised to restart the computer otherwise the dialog with Sepam may not work.

#### 5° CHECKING WHICH COM PORT WAS ASSIGNED

When the driver is installed, windows automatically assign the Sepam to a com port number. In order to know which port to use, you have to check it on device manager.



Open the control panel: click on "start" button, in the menu select "control panel"

The control panel can have at least 2 different presentations, but at the end you have to select "System":



In System Properties, select the hardware tab, then click "Device Manager" button:

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Windows CardSpace



# When you're inside the Device Manager, look for "Port(Com & LPT). You should find an entry identified as "Sepam Series (comx)".



In this example, Sepam has been assigned to Com16.

It this possible to change the assignment by double clicking the Sepam Series to open the driver properties, then opening the "Port Settings" tab:

pam Series (COM16) Properties	? 🔀	Sepam Se	eries (COM1	6) Propertie	S		?
ieneral Port Settings Driver Details		General	Port Settings	Driver Detai	s		
Sepam Series (COM16)				Bits per seco	nd: 9600		~
Device type: Ports (COM & LPT)				Data b	its: 8		~
Manufacturer: Schneider Electric Location: Location 0 (Sepam Series)				Pa	ity: None		*
Device status	Location 0 (Sepam S			Stop b	its: 1		*
This device is working properly. If you are having problems with this device, click Troublesh start the troubleshooter.	oot to			Flow cont	rol: None		~
Troublesh	oot				Advanced.	Restore	e Defaults
Device usage:							
Use this device (enable)	<u>~</u>						
ОК	Cancel				C	ок (	Cancel

You can now click on "Advanced..." button and change the Com port number to any other one except one really used (Com 1 for example if the computer has a SubD9 connector).

Advanced Settings	COM12 (in use COM13 (in use	? 🛛
Use FIFO bu	COM14 (in use) COM15 (in use) COM16 COM17	compatible UART)
Select lower	COM18 COM19	onnection problems.
Select higher	COM20 COM21	erformance.
Receive Buffer: L	COM22 COM23 COM24	Ueraults High (14) (14)
Transmit Buffer: L	COM25 COM26 COM27 COM28 COM29	, , High (16) (16)
COM Port Number:	СОМ30 •	

Be advised that Windows displays each Com number that has been used at least one time as "(in use)". So if you know that a Comx is effectively not currently used you can re-use it.

Communications Port Properties				
(į)	This COM name is being used by another device (such as another com port or modem). Using duplicate names can lead to inaccessible devices and changed settings. Do you want to continue?			
	Yes No			

The drawback of using an 'in use" number is that you may encounter trouble if the device assigned to this number is connected again and simultaneously with a Sepam.

Example: Com port number re-assigned to Com4

Advanced Settings for COM1	16						? 🗙
Use FIFO buffers (require Select lower settings to a Select higher settings for	es 16550 cor correct conne r faster perfor	npatible UART) ection problems mance.					OK Cancel
Receive Buffer: Low (1)		1	1	<b></b>	High (14)	(14)	Defaults
Transmit Buffer: Low (1)	· ·	1		<b>_</b>	High (16)	(16)	
COM Port Number: COM4 (in	use) 🗸						

In order to check the change is operational, open the Device Manager again, use "Action" menu and item "Scan for hardware change" (this manual operation is also used to force the computer to detect the Sepam if the automatic detection didn't work).

When the list is refreshed, check the Com number is the desired one.

🚇 Device Manager	
File Action View Help T	
Update Driver Disable Uninstall	: 🔀 😹
<ul> <li>Scan for hardware changes</li> </ul>	
+ + Print	
+ Properties	
+ Help	
<ul> <li>Keyboards</li> <li>Mice and other pointing devices</li> <li>Monitors</li> <li>Monitors</li> <li>Network adapters</li> <li>Other devices</li> <li>Modem Device on High Defi</li> <li>PCMCIA adapters</li> <li>PCMCIA and Flash memory dev</li> <li>Priphériques Bluetooth</li> <li>Personal identification devices</li> <li>Ports (COM &amp; LPT)</li> <li>Communications Port (COM</li> <li>ECP Printer Port (LPT1)</li> <li>Sepam Series (COM4)</li> <li>Secure Digital host controllers</li> <li>Sound, video and game control</li> <li>Storage volumes</li> </ul>	tion Audio Bus es )
E 😴 Universal Serial Bus controllers	
Scan for changed or new Plug and Play dev	es.

Last important notice: Sepam must be connected to computer before starting SFT2841 otherwise the Com port number will not be available in SFT2841 list

