

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

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**Application note**

|  |                 |                                     |                     |                     |
|--|-----------------|-------------------------------------|---------------------|---------------------|
| <i>Release date:</i>                     | <i>Version:</i> | <i>Written by:</i>                  | <i>Checked by :</i> | <i>Approved by:</i> |
| 09/10/2013                               | A               | Daniel MOUGIN                       |                     |                     |
|  |                 |                                     |                     |                     |
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| <b>Schneider Electric Industries SAS</b> |                 | <b>Business Unit INFRASTRUCTURE</b> |                     | <b>Sepam IED</b>    |

## 1) OBJECTIVES

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

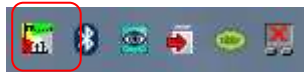
This document aims to explain the necessary installation on computer's side to allow the connection with the Sepam.

## 2) PREREQUISITES

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

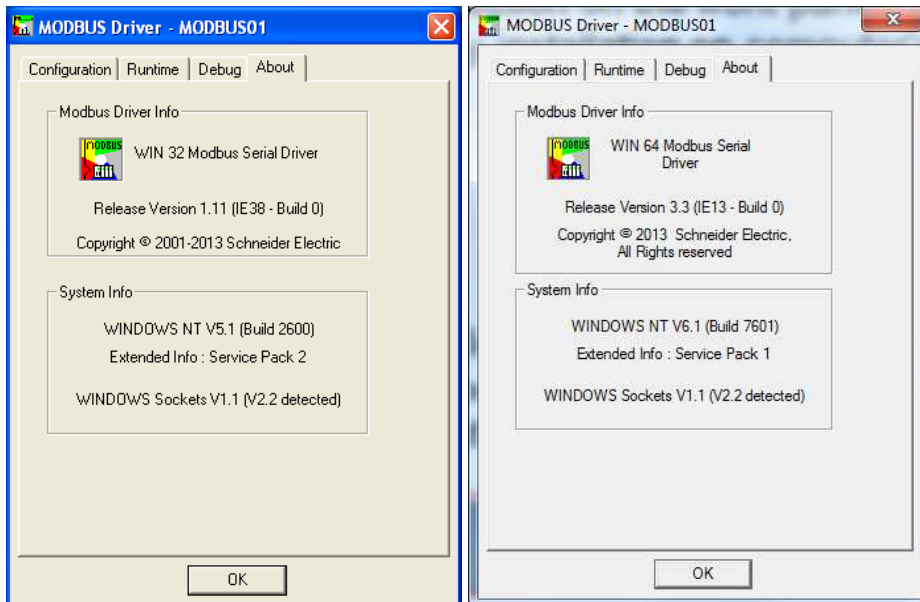
This version differs from V13.1 mainly by a new release of the embedded Modbus serial driver.

It is actually this new serial driver version that is mandatory.



Right click on the driver's icon in task bar and select "about" to display the information about the driver.

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



If you are installing SFT2841 V14 now, remind to reboot the computer after the installation.

## 3) FIRST CONNECTION TO SEPAM

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).

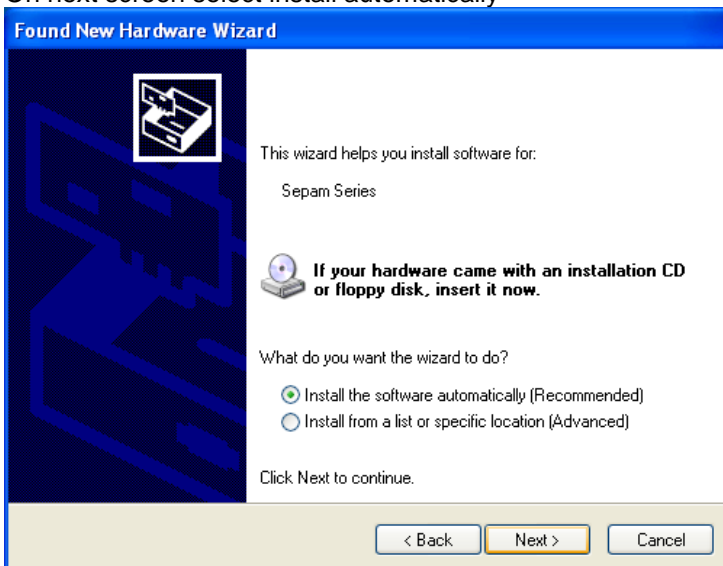
## 4) USB DRIVER INSTALLATION

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



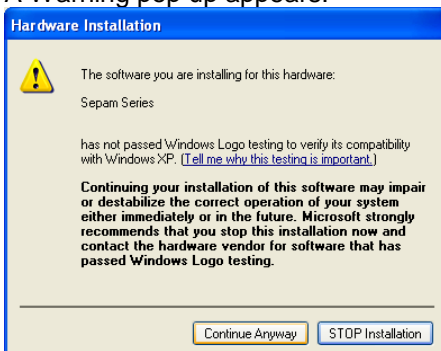
Select "No, not this time" because the driver has been installed by SFT2841 and this avoid finding another one that may not be the right one to use.

On next screen select install automatically



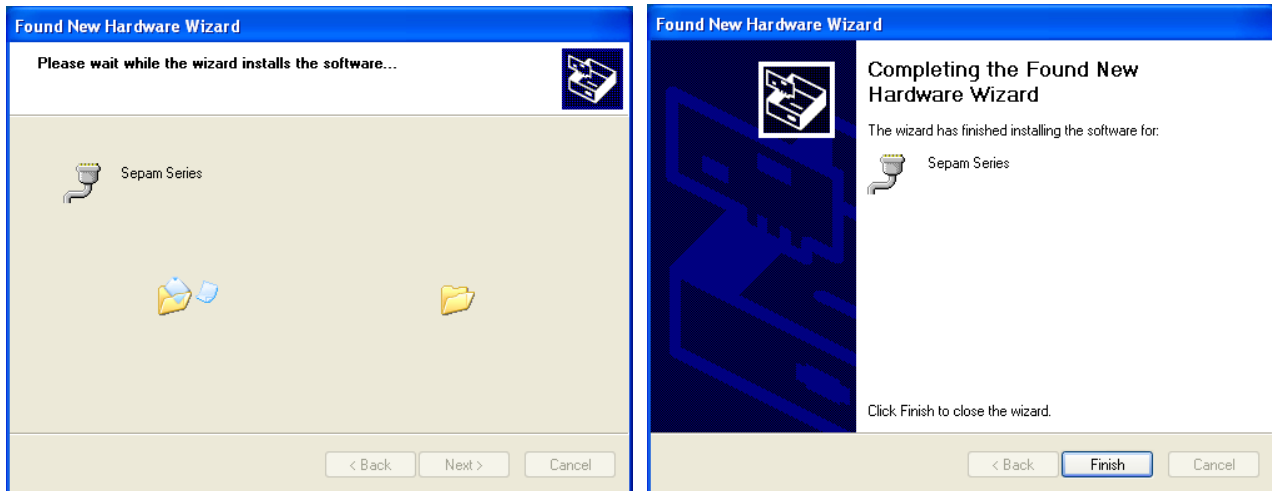
and click Next.

A Warning pop up appears:



You can safely click "Continue Anyway"

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

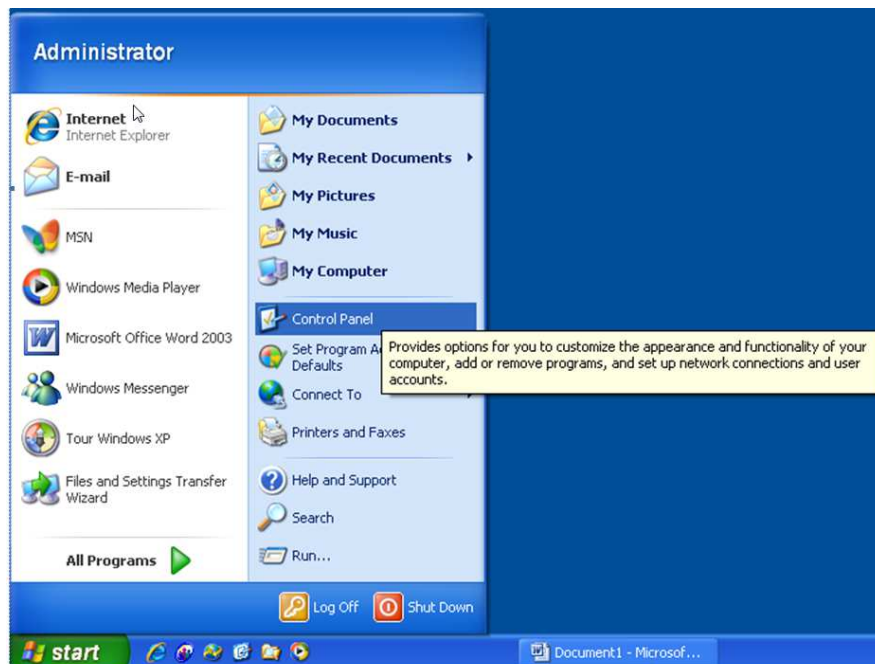


At this step, although it's not always necessary, **it is advised to restart the computer** otherwise the dialog with Sepam may not work.

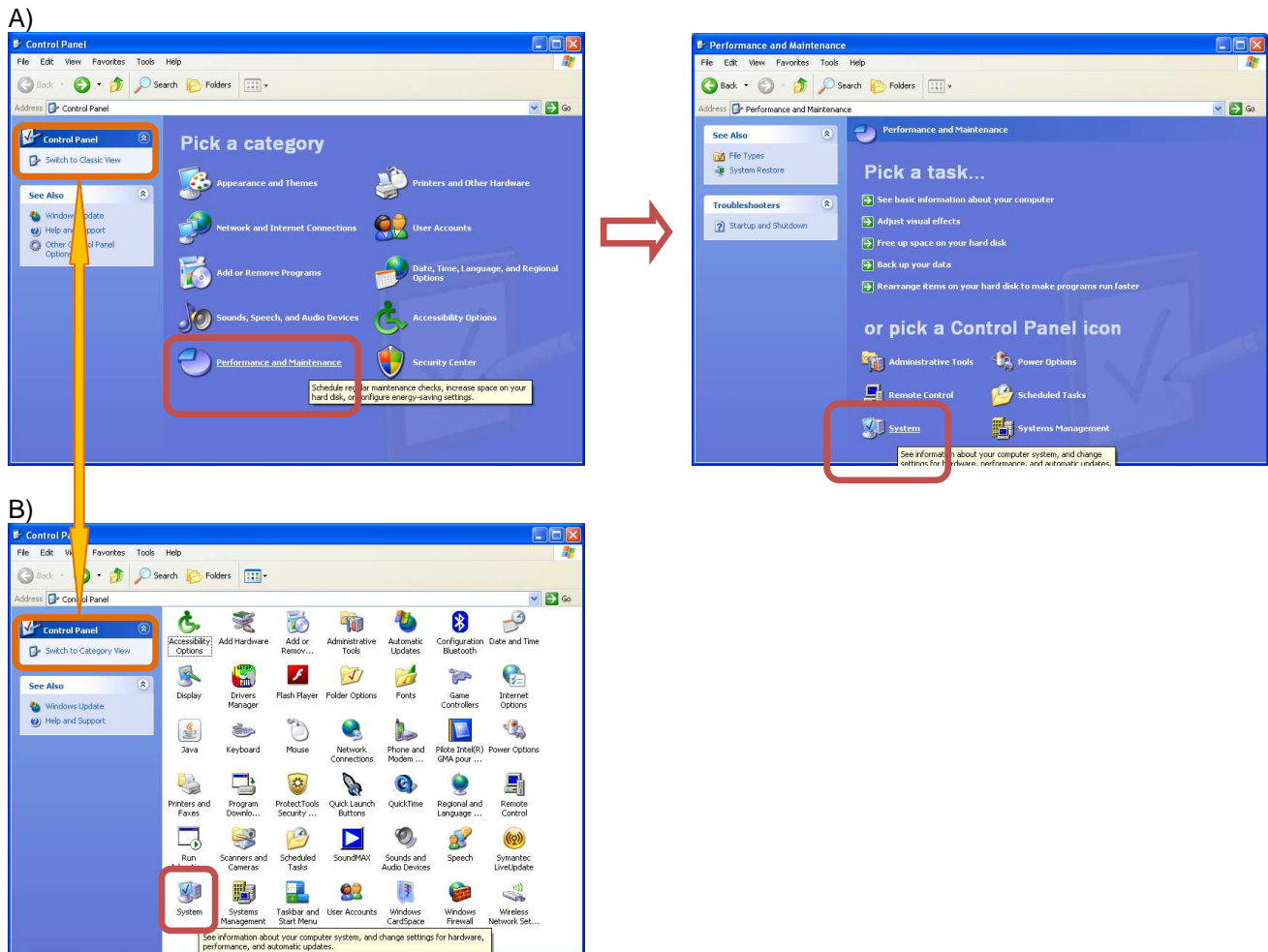
## **5) CHECKING WHICH COM PORT WAS ASSIGNED**

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.

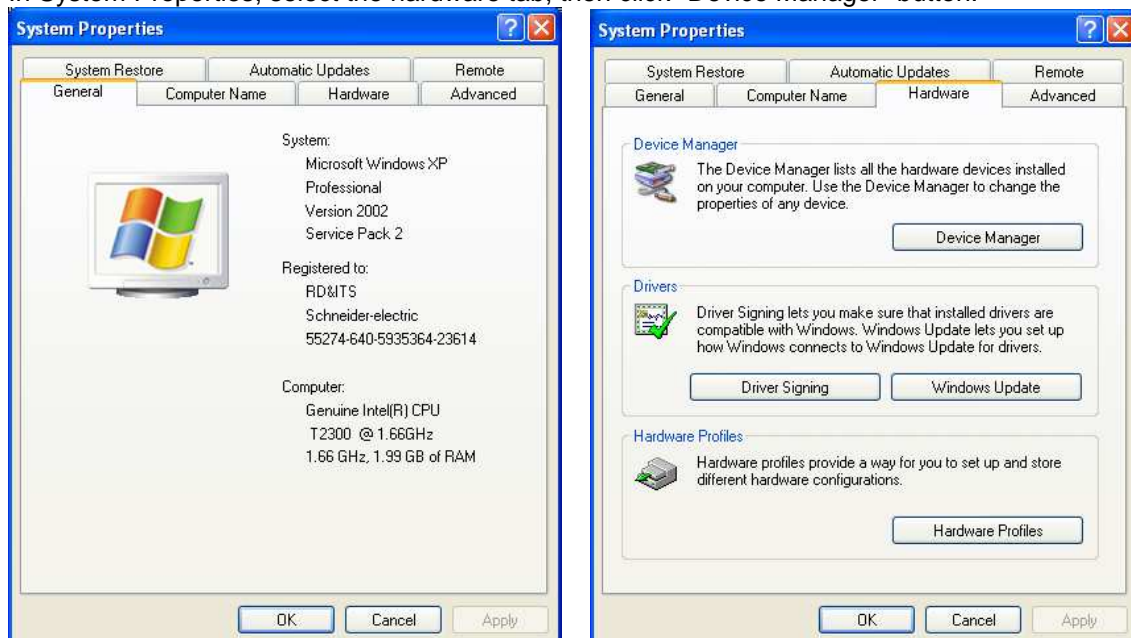
Open the control panel: click on "start" button, in the menu select "control panel"



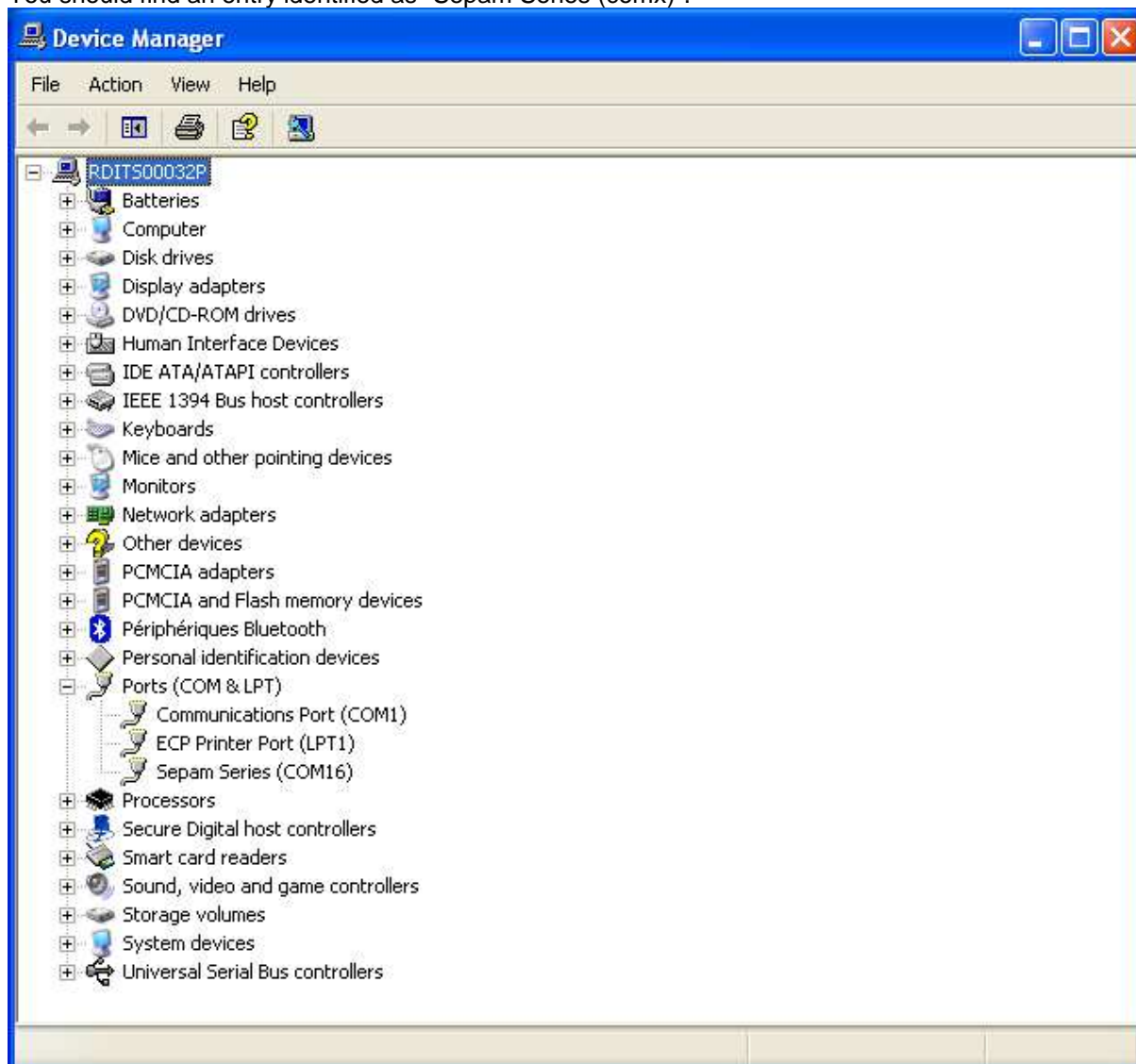
The control panel can have at least 2 different presentations, but at the end you have to select "System":



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

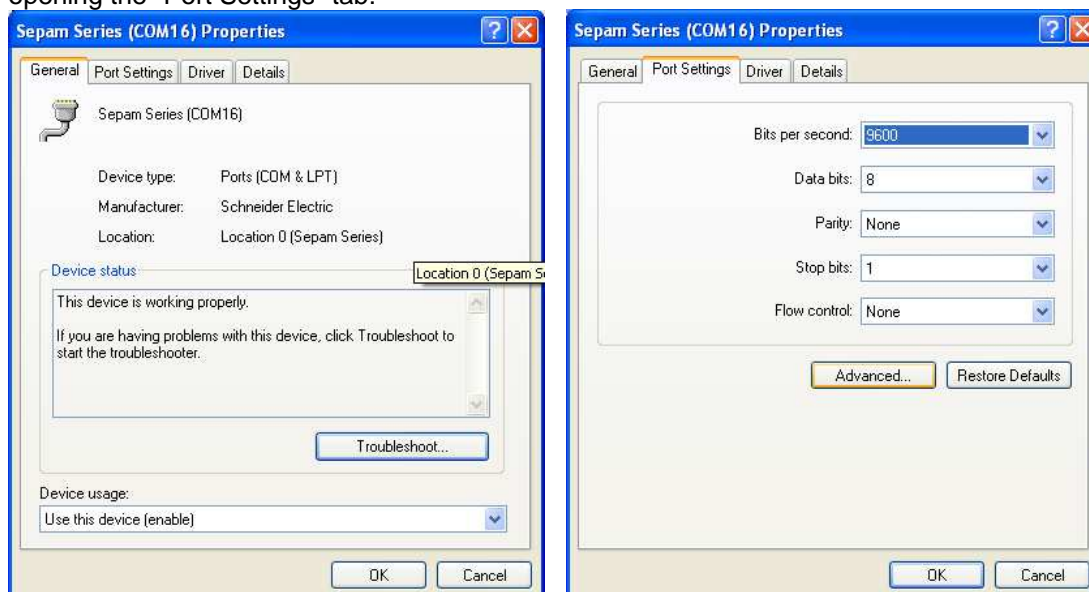


When you're inside the Device Manager, look for "Port(Com & LPT).  
You should find an entry identified as "Sepam Series (comx)".



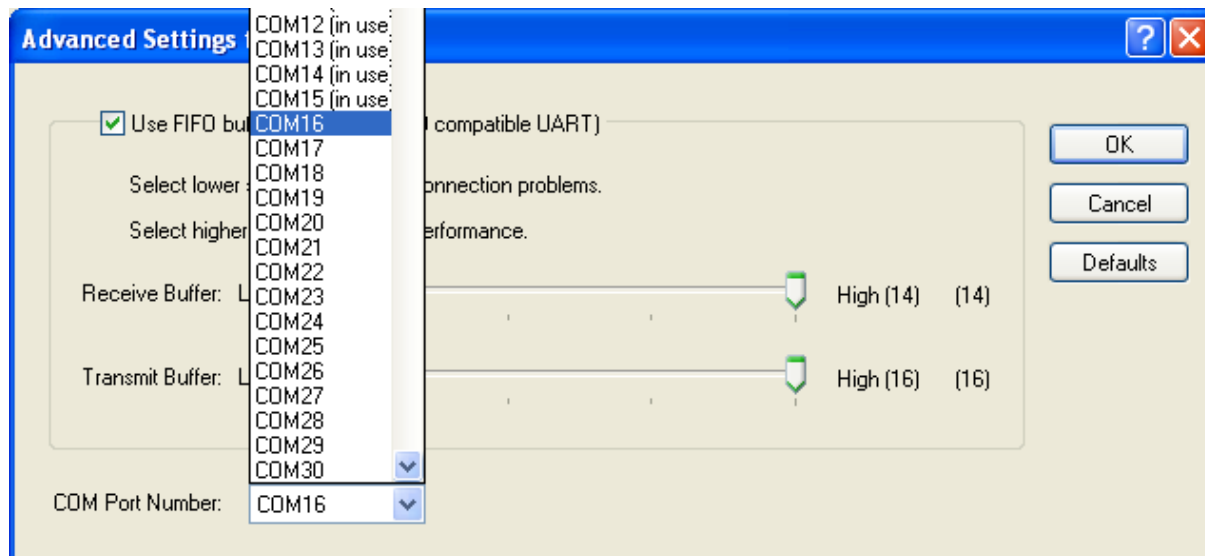
In this example, Sepam has been assigned to Com16.

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

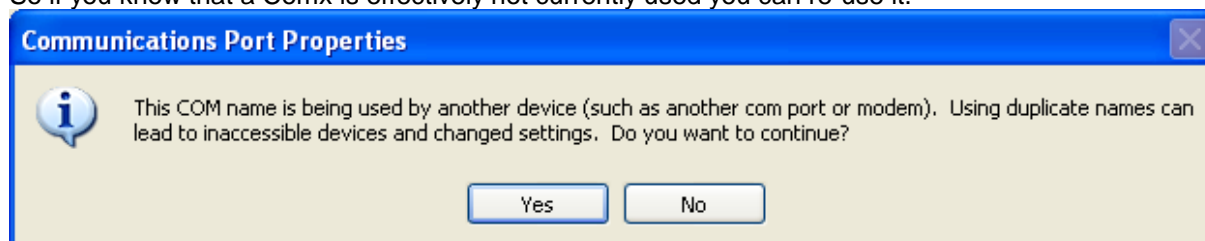




You can now click on "Advanced..." button and change the Com port number to any other one except one really used (Com 1 for example if the computer has a SubD9 connector).

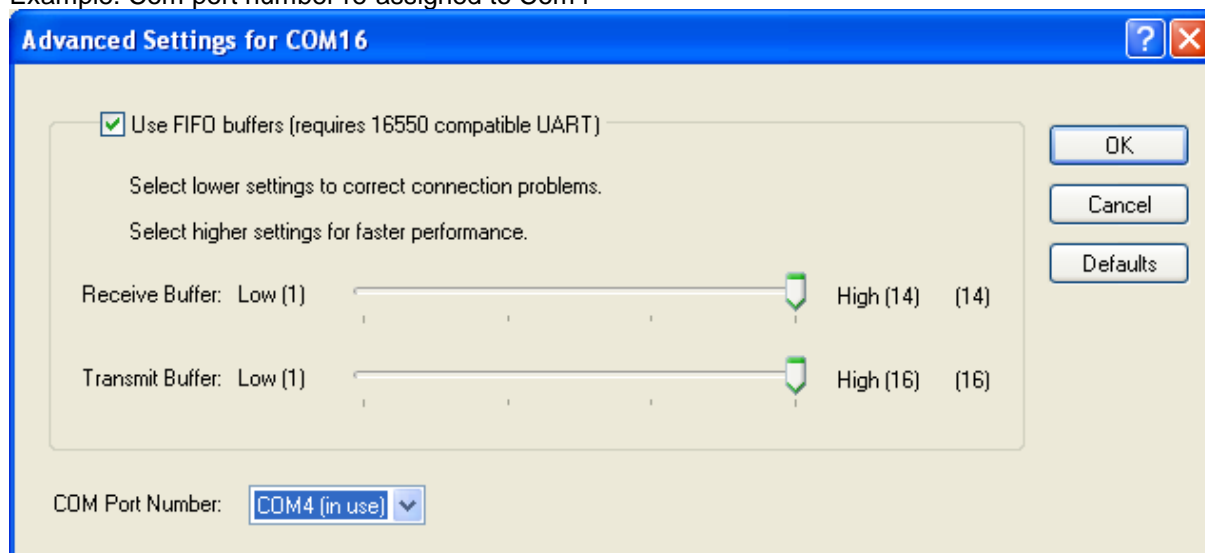


Be advised that Windows displays each Com number that has been used at least one time as "(in use)". So if you know that a Comx is effectively not currently used you can re-use it.



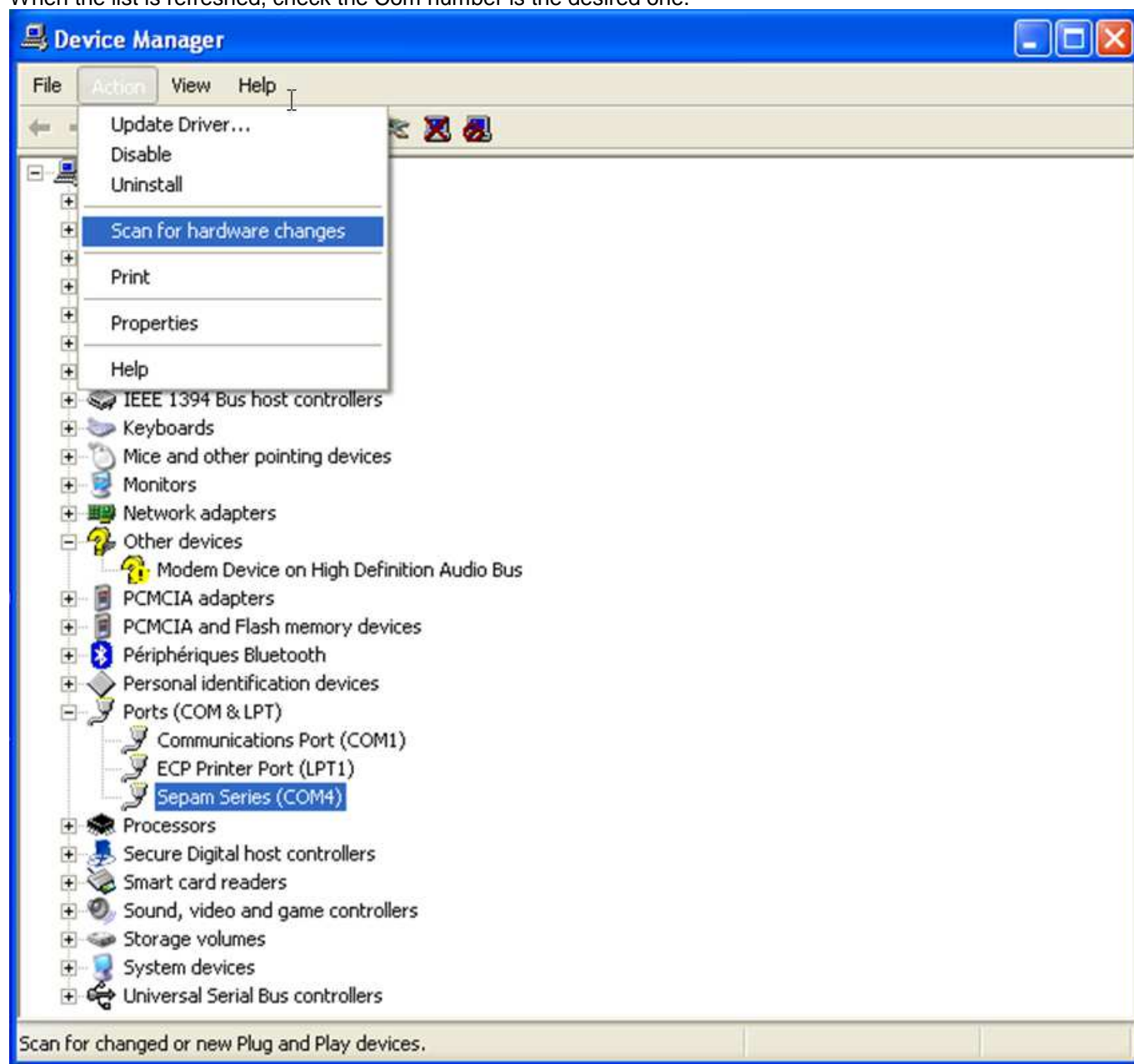
The drawback of using an 'in use' number is that you may encounter trouble if the device assigned to this number is connected again and simultaneously with a Sepam.

Example: Com port number re-assigned to Com4



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.



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

