

Installing DTS 4.14

This document describes how to install and configure Belrobotics DTS 4.14 on your PC.
This document is valid for your PC running Windows XP, Windows Vista or Windows 7.

Installing DTS 4.14 is done in 3 steps:

- 1) Installing DTS 4.4 – this step is only needed if you do not have yet DTS running on your PC.
If you already have DTS running on your PC (any old DTS version : 3.0; 3.6, 4.0, 4.4,...), you can skip step 1.
- 2) Configuring the driver for the USB cable connecting your robot to your PC.
If you do not configure the driver properly, you might encounter communication issues between the robot and the PC and get difficulties to acquire the robot history logs.

Depending on your windows settings, you might also have to proceed with driver configuration any time you use a new USB cable.

If you already have configured properly the driver, you can also skip step 2.

- 3) Replacing the executable of DTS 4.4 by the executable of DTS 4.14

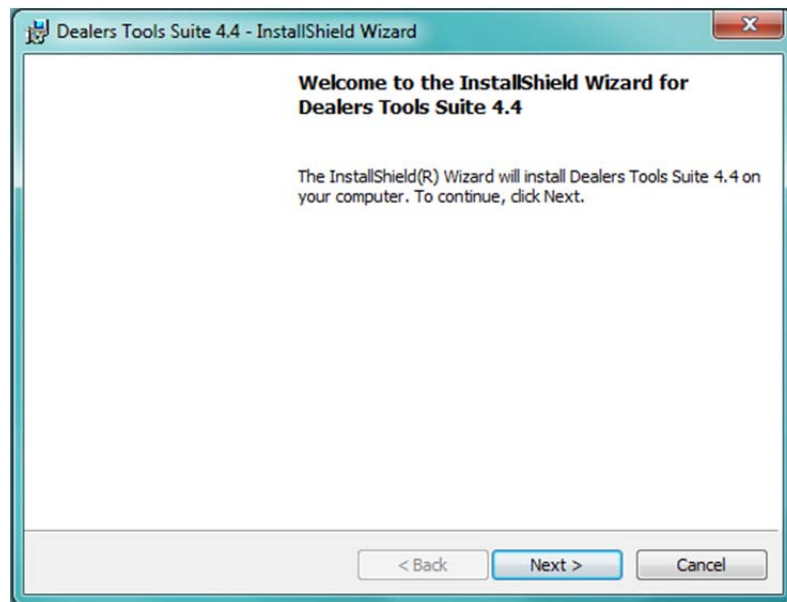
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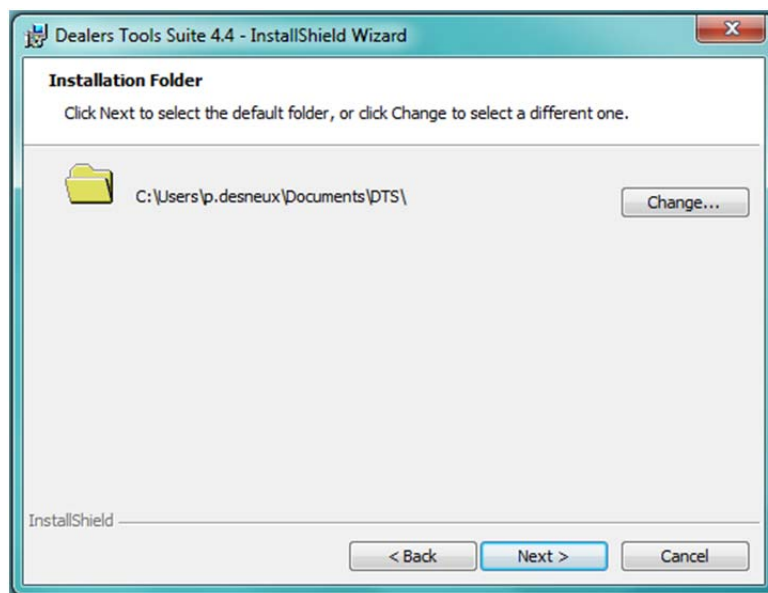
1. Install DTS 4.4

You can go directly to 'Step 2' if a version of DTS is already installed on your PC.

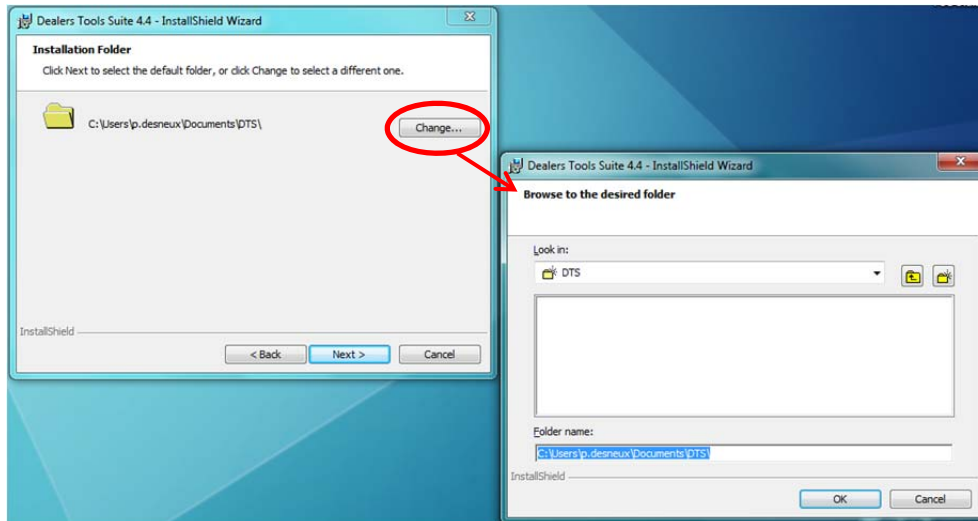
- 1) Double-click on the file 'Dealers Tools Suite 4.4.msi' that you have received (part of the DTS zip file). A software will start and following window will pop-up.



- 2) Click on 'Next >'
The following window is popping up and indicates you the default folder in which the DTS software will be installed.



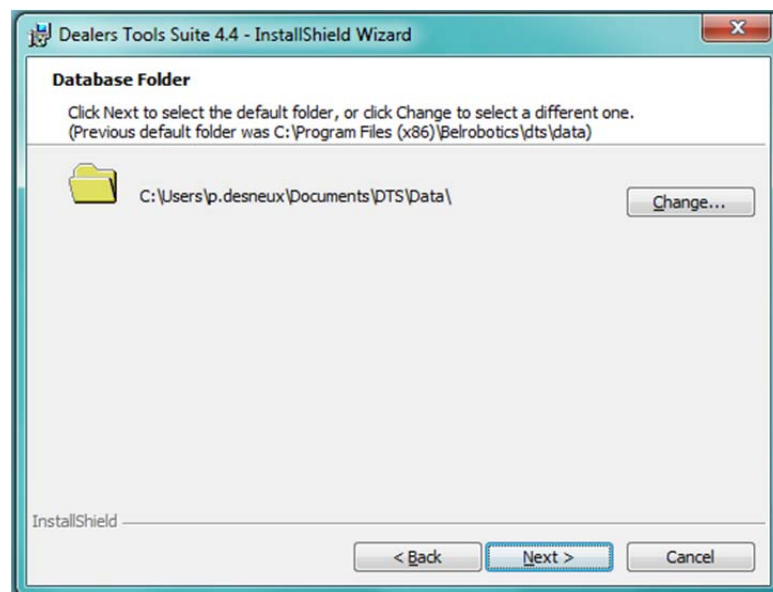
If you wish, you can change the directory where DTS software will be installed by clicking on 'Change'. You can then type the path or browse the path to another directory. Click 'OK' when done.



3) Click on 'Next >'

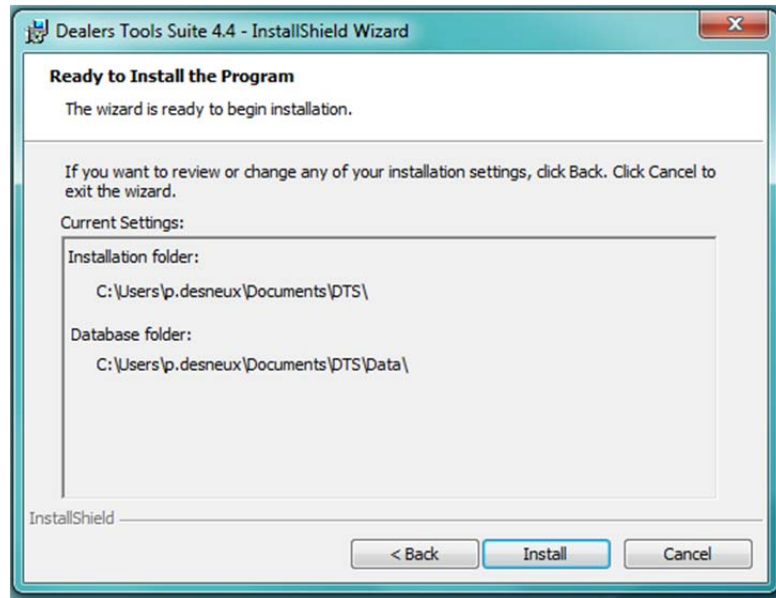
The following window is popping up and indicates you the default folder in which the DTS software will store its database containing the data file of your robot(s).

If you wish, you can also change the directory where DTS software will store its database by clicking on 'Change'.

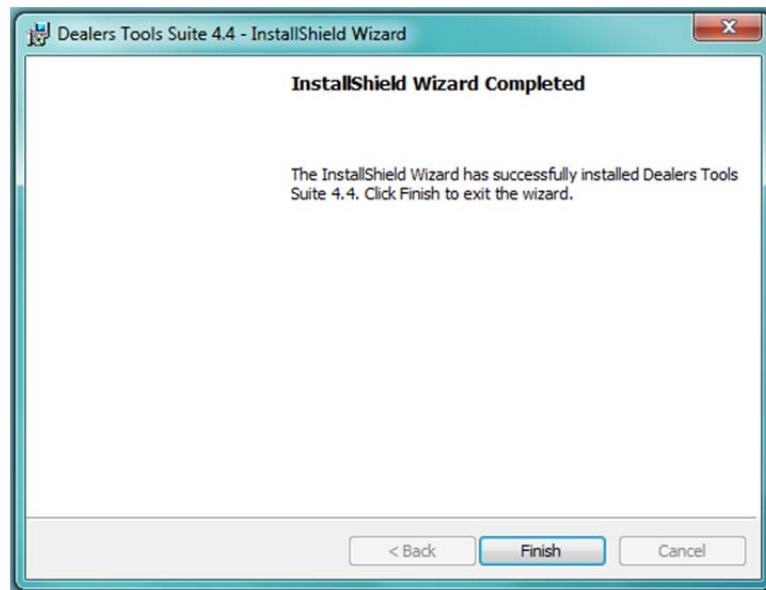


- 4) Click on 'Next >'

A summary window is popping up where you need to confirm the installation by clicking on 'Install'.



- 5) Installation is completed and confirmed by the following window. Click on 'Finish'



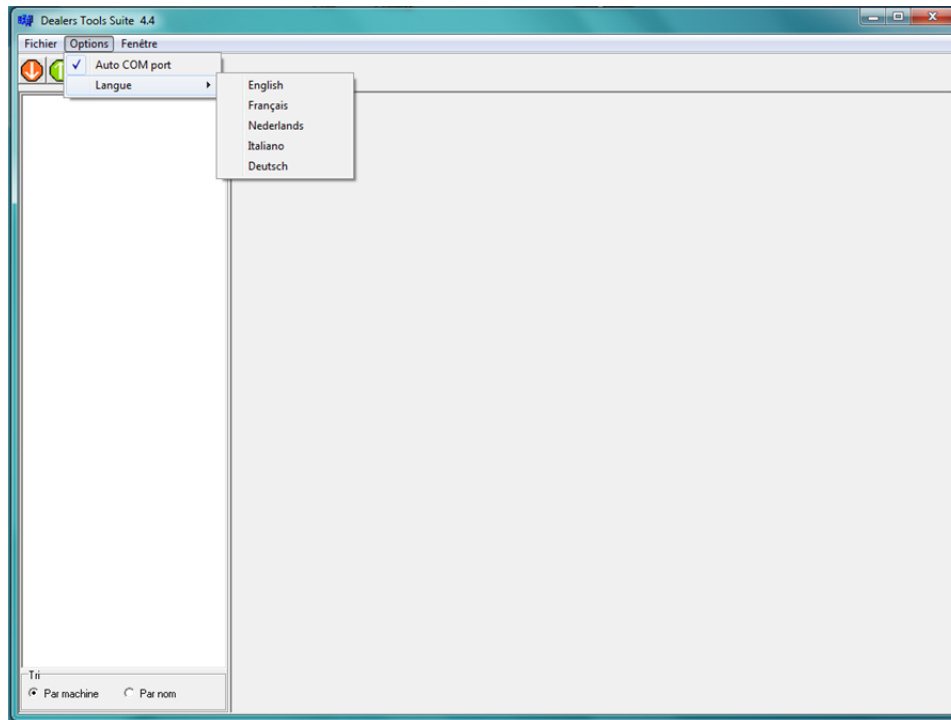
- 6) You can start the 'DTS Software' by double clicking on the 'DTS Icon' which has been created on your PC desktop.



7) The DTS Software is started.

DTS Software will start in French (default setting). If you want to change the display language, you have to:

- Go to menu > Options -> Langue. A new window will open and offers you to change the language in use (see below)
- Choose the language you want and click on *OK*.
- Close/Exit the program and restart it.



2. Configure the driver for the USB cable

To proceed with this installation, you need to be logged in on your PC under an account which has the administrator rights.

To have optimal communication (no errors) between your robot and the DTS software running on your PC, you should configure the USB driver. The USB driver configuration is described in the following steps.

Depending on your windows settings, you might have to configure the driver each time you are using a new USB cable.

If you already have configured properly the driver, you can skip step 2. Refer to Appendix 1 to know which driver configuration is on your PC for the Belrobotics USB cable.

- 1) Unzip the file 'FTDI_Driver_Belrobotics.zip' that you have received (part of the DTS zip file).

This creates a directory 'FTDI_Driver_Belrobotics' with following content :

Name	Date modified	Type	Size
amd64	30/04/2013 14:21	File folder	
i386	30/04/2013 14:21	File folder	
dpinst.exe	6/08/2009 12:16	Application	777 KB
DPInst.xml	30/08/2011 00:03	XML Document	1 KB
DPInst64.exe	22/02/2011 11:58	Application	909 KB
ftd2xx.h	26/01/2011 15:29	H File	27 KB
ftdibus.cat	12/04/2011 13:56	Security Catalog	12 KB
ftdibus.inf	18/03/2011 12:11	Setup Information	6 KB
ftdiport.cat	12/04/2011 13:56	Security Catalog	11 KB
ftdiport.inf	29/08/2011 19:57	Setup Information	6 KB

- 2) Plug the 'USB cable' you have received from Belrobotics into your PC.

Normally, Windows will start automatically the default driver installation after having recognized a new HW device. This operation will be notified by the appearance of following windows : (Windows 8 example).

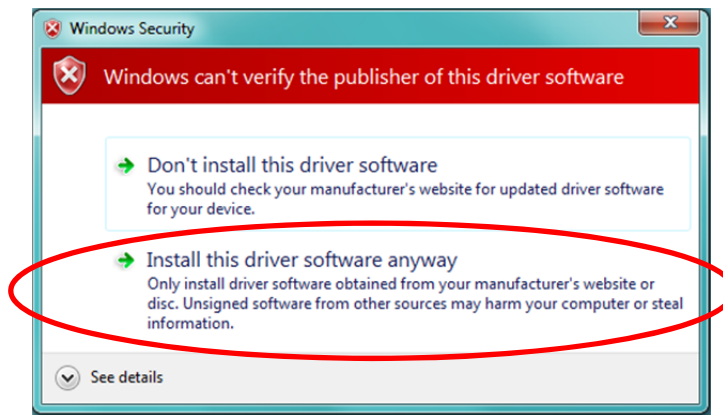


This default driver is NOT optimally configured to communicate with the Belrobotics robot. Hence, you need to proceed with further steps for changing and configuring the belrobotics driver.

- 3) Open 'Windows Explorer' and go to the directory where you have un-zipped the 'FTDI_Driver_Belrobotics.zip' (step1).

You need to execute the file 'dpinst.exe' (or 'DPInst64.exe' if you have a 64-bit machine) by double clicking on it.

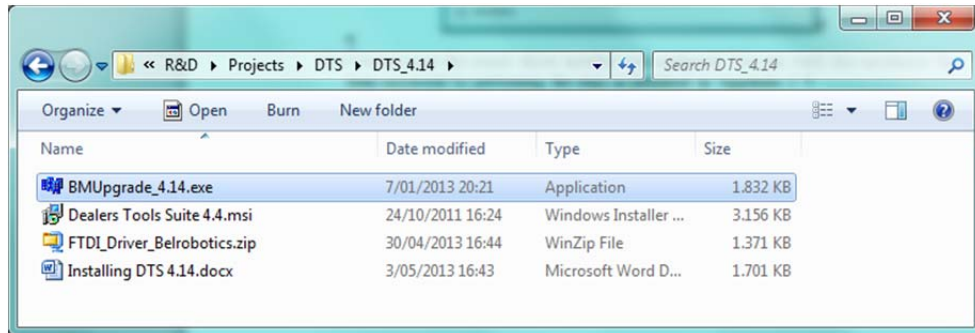
Windows Security might ask you to confirm the installation. Click on 'Install this driver software anyway'



- 4) You have now the correct driver installed and configured. You can verify this installation has been successful by performing the steps as described in 'Appendix 1'.

3. Replace the DTS 4.4 executable by DTS 4.14 executable

- 1) Open 'Windows Explorer' of DTS_4.14 unzipped.
Select the 'BMUpgrade_4.14.exe' and copy it (CTRL-C)

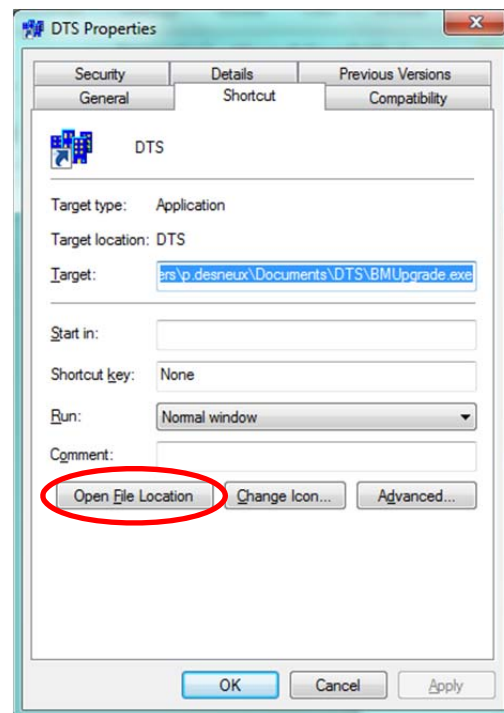


- 2) Open 'Windows Explorer' and go to the directory where DTS4.4 (or the previous DTS version running on your PC) has been installed.

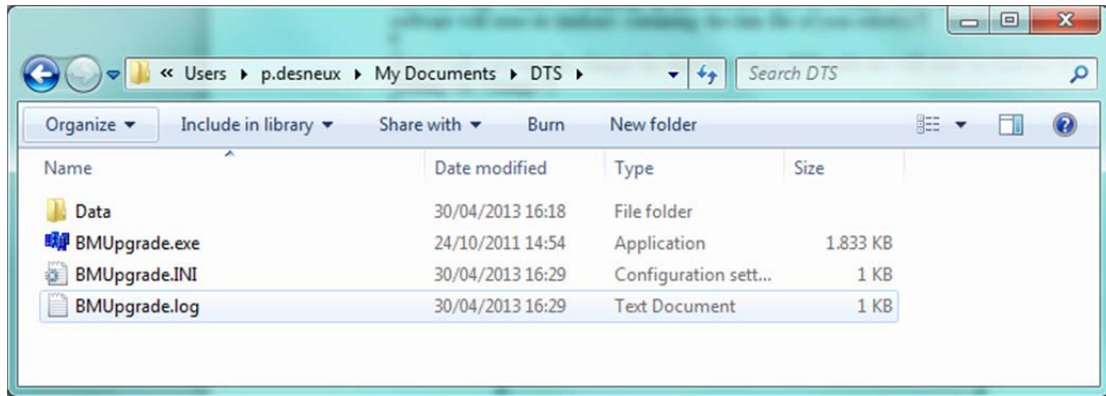
This is the directory that you have selected in step 1.2 (see previous chapter).

If you do not remember this path, you can also retrieve it by :

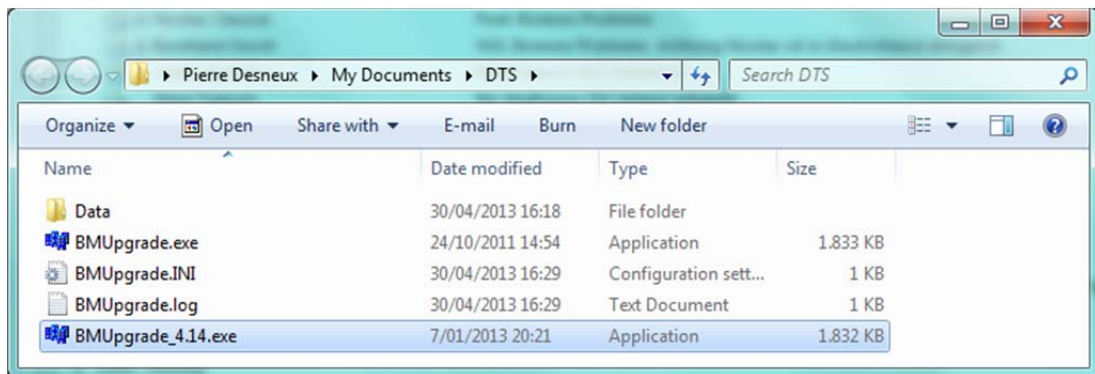
- Right click mouse on the DTS icon on your desktop, click on 'Properties' (the last row)
- Following window appears- Click on 'Open File Location'.



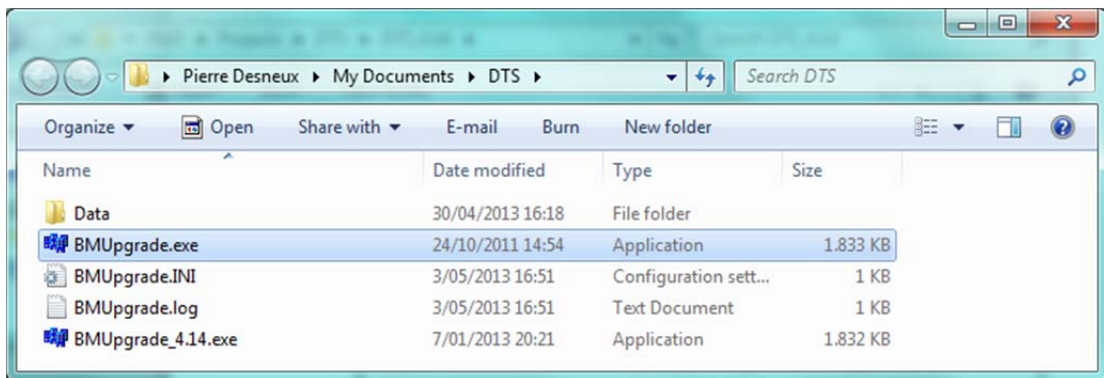
The 'Windows Explorer' is shown herebelow :



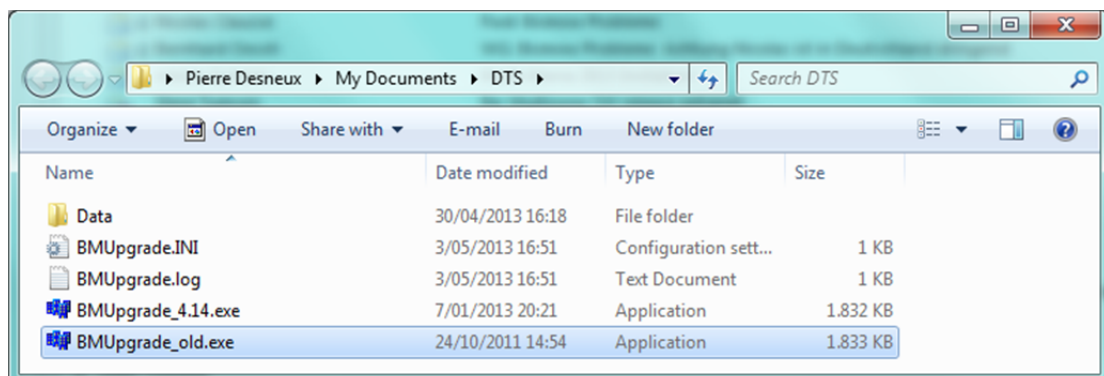
- 3) Paste the 'BMUpgrade_4.14.exe' file in this directory : CTRL+V



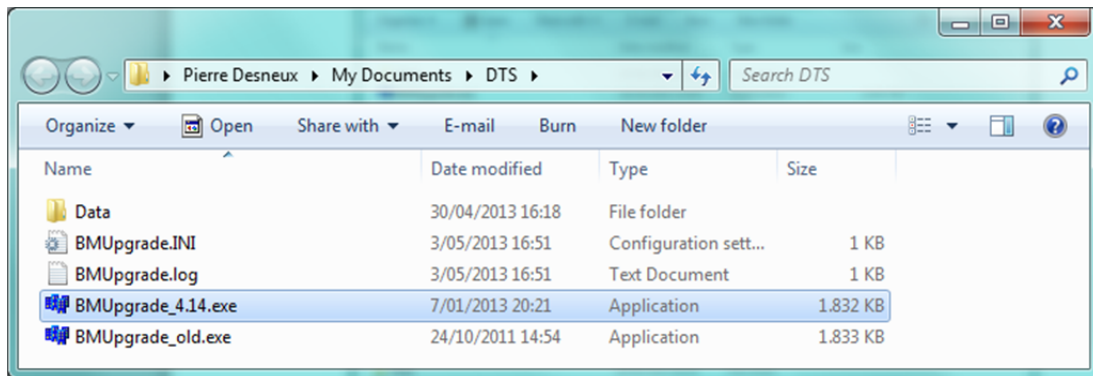
- 4) Select the old version of DTS by clicking (once) on 'BMUpgrade.exe'.



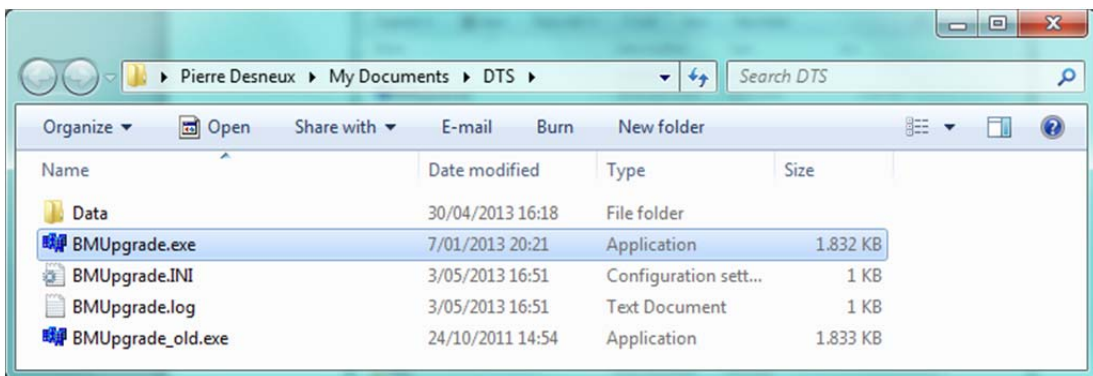
- 5) Type 'F2' (function key F2) or 'Right-click mouse / Rename' :
Rename the file to 'BMUpgrade_old.exe'.



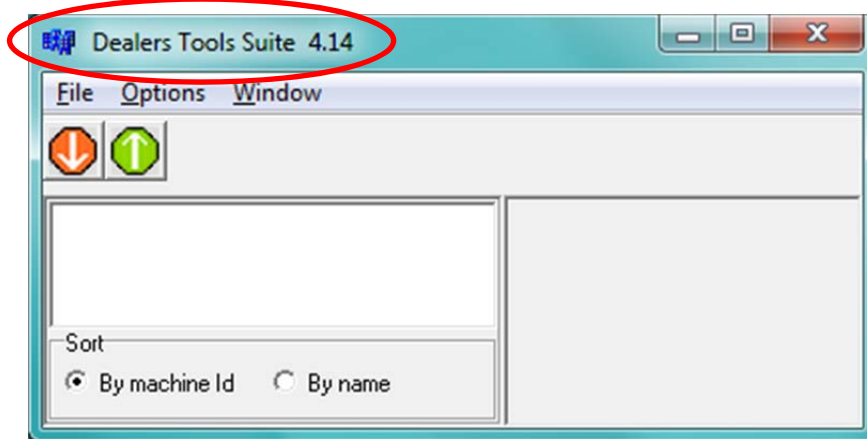
- 6) Select (one click) the 'BMUpgrade_4.14.exe'



- 7) Type 'F2' (function key F2) or 'Right-click mouse / Rename' :
Rename the file to 'BMUpgrade.exe'.



- 8) Try the new DTS version by double-click on the DTS Icon on your desktop. It should start the 'DTS_4.14' version window.



Appendix 1 : How to know the USB Cable Driver in use?

This appendix describes the steps to execute in order to verify the USB driver in use with your cable. If you do not have the correct driver, you might encounter communication issues between the robot and the PC (DTS Software®).

The installation steps of the correct USB cable driver are described in Chapter 2.

- 1) Plug in the 'USB cable' you have received from Belrobotics into your PC.

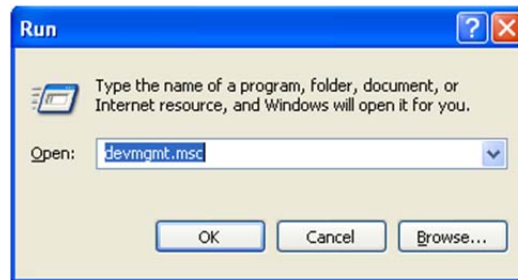
If this is the first time you are plugging this cable, Windows might start automatically the default driver installation (see chapter 2).

- 2) Start the 'Device Manager'

On Windows XP :

Click on 'Start Menu' -> 'Run...'

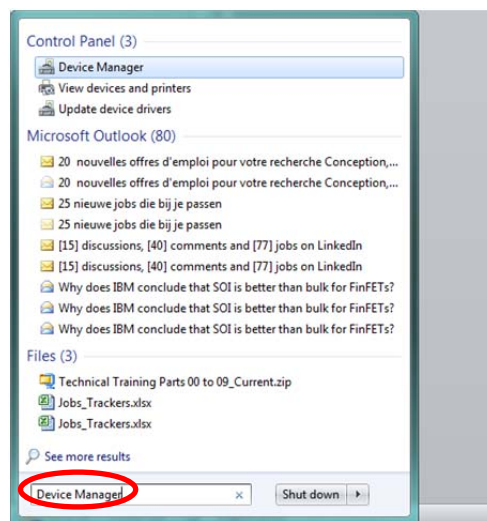
And in the 'Run' window, type 'devmgmt.msc' and the 'Return Key'.



The Device Manager window will pop-up (see below point 3).

On Windows 7 :

Click on 'Windows Start Icon' () and in the command window type 'Device Manager' and then on the 'Return key'.

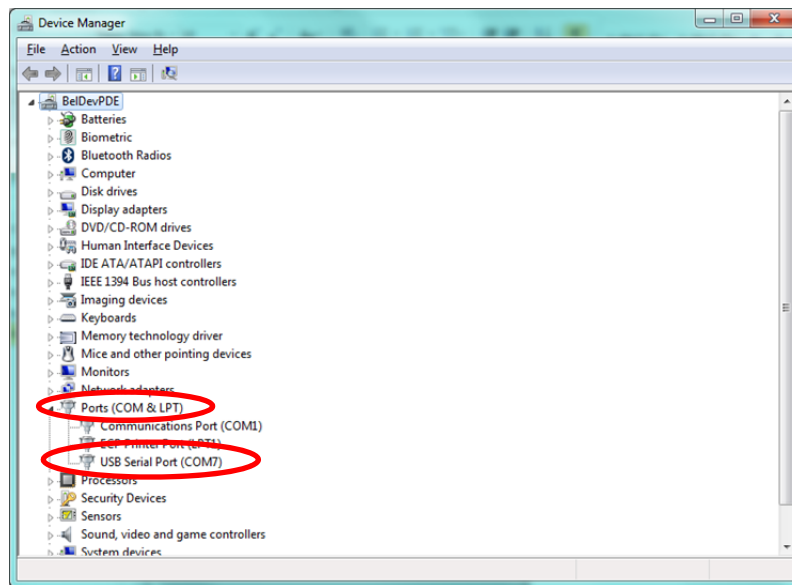


The Device Manager window will pop-up (see below point 3).

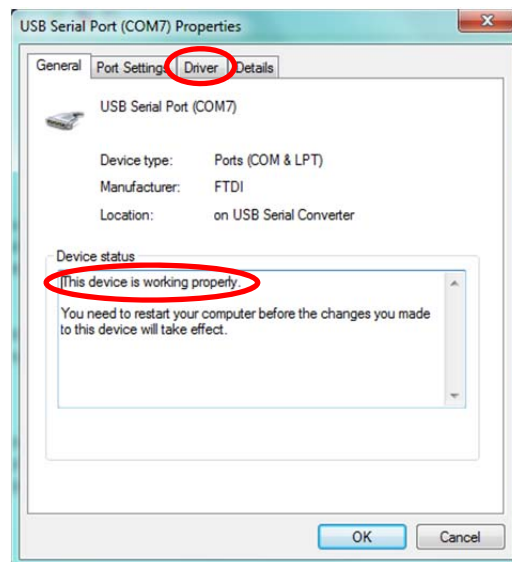
- 3) In the Device Manager window, open the 'Ports (COM&LPT)' topic and look for the item 'USB Serial Port'. Double-click on 'USB Serial Port'.

Remarks :

- o in below window, COM7 is shown but that might be another number on your PC.
- o You might have several similar devices (USB) connected on your PC. This line might then appear several time. Plug/unplug the Belrobotics USB cable to see which line is effectively corresponding to the Belrobotics cable.



- 4) The following window will pop-up. Check that the device is working properly. Then select (click) the 'Driver' Tab.



- 5) In the 'Driver' Tab, check that the correct driver is installed. If you see the same information as below, it means you have properly installed and configured the USB driver for the Belrobotics cable.

If not, proceed with the steps as described in chapter 2, then reverify.

