



# **VISUPC 0.12**

## *User Manual*

© 2004 Autinor

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# **VISUPC 0.12**

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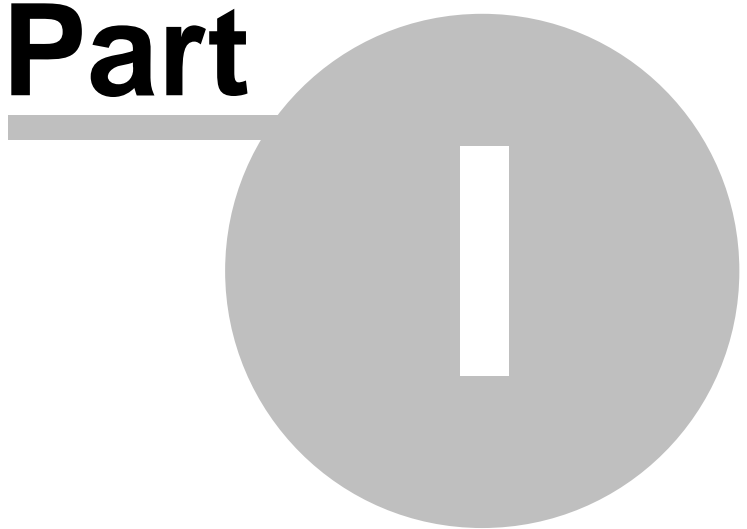
Printed: mars 2004 in France

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**Part**



# 1 Introduction

## 1.1 Welcome

Visupc is an universal tool to program, check, analysis of Autinor electronic systems.

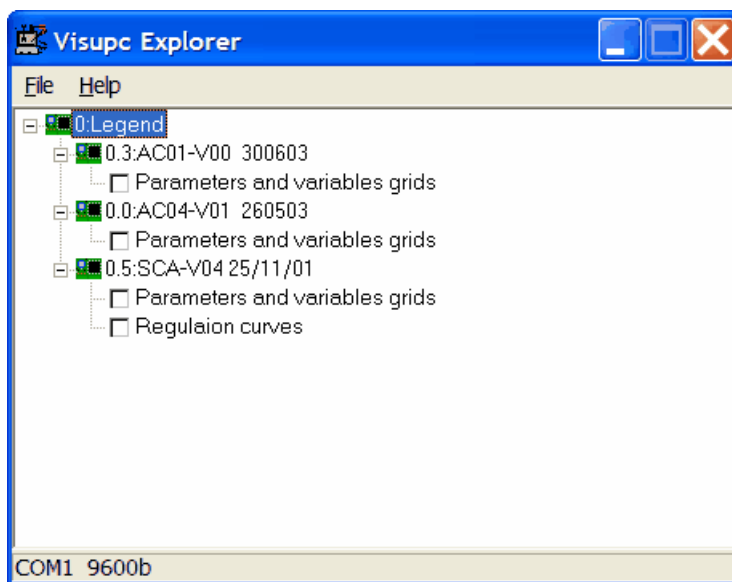
It works under Windows 98,2000,XP.

Your computer must have an serial RS232 port or a modem inside. You can use an USB-RS232 adaptor ([see USB/RS232 adaptor in FAQ](#))<sup>46</sup>

Visupc must be used by a competent technician.

**AUTINOR SHALL NOT BE LIABLE FOR ANY DAMAGE IN ANY WAY OF USE THIS SOFTWARE.**

When you run Visupc, the explorer presents all connected system and tools :



Use the [explorer](#)<sup>9</sup> and choose (depend of systems) :

- [See a list of variables and parameters and change them](#)<sup>18</sup>

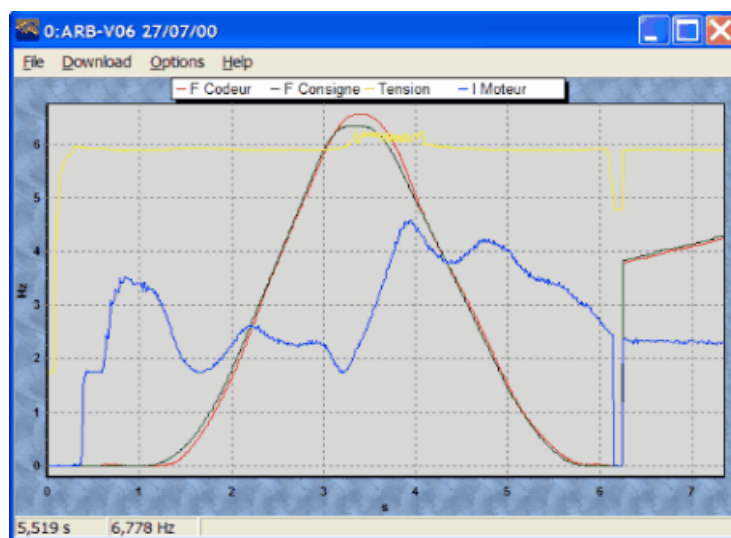
0:ARB-V06 27/07/00

File Find Window Help

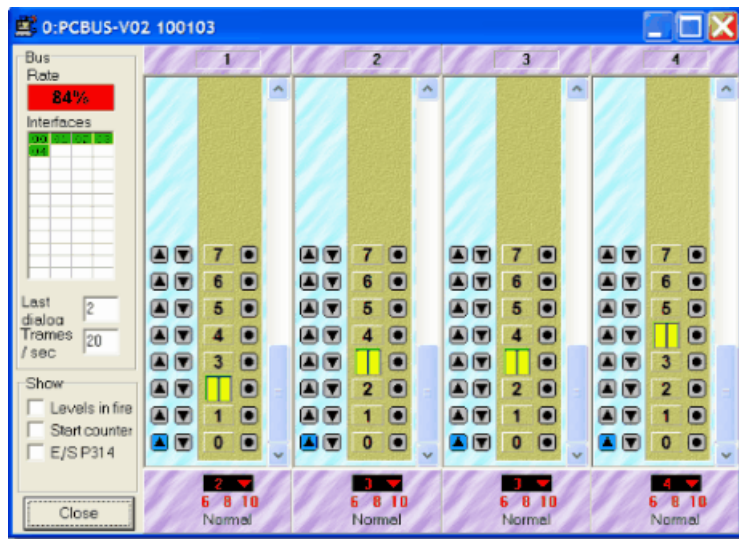
Variables				Parametres			
Adress	Name	Value	Type	Adress	Name	Value	Type
0F900	+ENTR	00000000	B8	0F800	V0	0.150 m/s	D8
0F901	+SCMD	00000000	B8	0F801	VISO	0.020 m/s	D8
0F902	+AUX	11110001	B8	0F802	VINS	0.50 m/s	D8
0F903	TRAD	026 µC	D8	0F803	V1	1.32 m/s	D8
0F904	WTENCON	00187 Volt	D16	0F804	V2	02.50 m/s	D16
0F906	00	00	H8	0F806	DPoulie	00.490 M	D16
0F907	00	00	H8	0F808	DISTPR	05.006 M	D16
0F908	IMOTEU	0000.0 Amp	D16	0F80A	INCACC	03.1 S	D8
0F90A	DV0	075 mm	D8	0F80B	TPSTAB	0.30 S	D8
0F90B	DISO	010 mm	D8	0F80C	TPSTFR	0.80 S	D8
0F90C	DINS	00.457 M	D16	0F80D	THERMI	090 A	D8
0F90E	DV1	01.910 M	D16	0F80E	+HARD	00100001	B8
0F910	FREEL	00.00 Hz	D16	0F80F	DELTEM	000	D8
0F912	CONSIGNE	00.00 Hz	D16	0F810	TYPMOT	006	D8
0F914	VITES	00.00 M/s	D16	0F811	TMORT	01.5 us	D8
0F916	CODEUR	00529	D16	0F812	I_FLUX	0025.0 Amp	D16
0F918	VISREC	000 %	D8	0F814	I_FMIN	0025.0 Amp	D16
0F919	00	00	H8	0F816	GLISSE	06.0 %	D8
0F91A	TENSION	0010.7 %	D16	0F817	GPFil	001	D8
0F91C	OFSETEN	0007.0 %	D16	0F818	INERTIE	010 %	D8
0F91E	TENREF	00650 V	D16	0F819	GPMAX	008	D8

NO FAULT

- Draw charts of lift move <sup>25</sup>



- See a set of lifts <sup>33</sup>



## 1.2 What's new

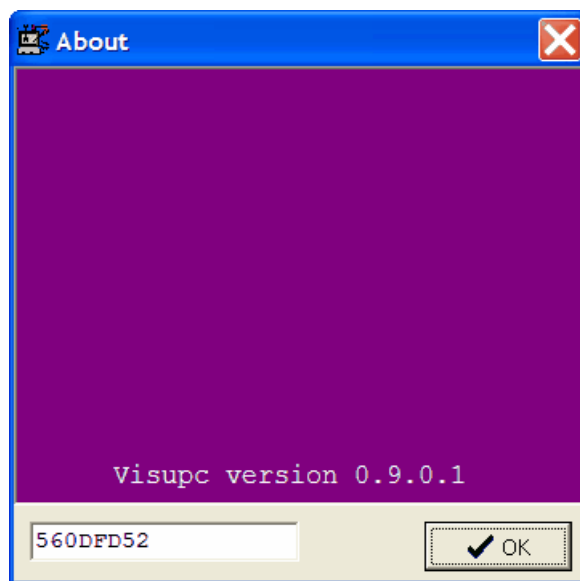
The full history of the software can be found in the **Version.txt** file in the application directory.

[See this file](#)

## 1.3 Registering Visupc for modem use

If you have purchased the modem version of Visupc, you need activate this function :

1. Go to **Help | About**. This window appear :



2. Note the serial number written at the left bottom corner (560DFD52 in this picture) and call Autinor or e-mail.
3. You will receive a new number. Overwrite the old one by the new one.



4. Press **OK** and start again Visupc. Now you can choose a modem device in the explorer.

**Note :**

The serial number depends of you PC. If you install Visupc in 2 PC you need 2 serial numbers.

# Part

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## 2 Visupc Explorer

### 2.1 Overview

Visupc Explorer is the main window of Visupc and you see it when you run Visupc.

With this window, you can :

[Connect your PC to an electronic system](#)<sup>[9]</sup>

[Navigate between different connected system, open and close specific windows](#)<sup>[10]</sup>

like :

- [Properties](#)<sup>[15]</sup>
- [Advanced properties](#)<sup>[18]</sup>
- [Charts](#)<sup>[25]</sup>
- [Lifts supervisor](#)<sup>[33]</sup>

You can also :

[Save the desktop settings](#)<sup>[11]</sup>

[Modify Visupc options](#)<sup>[12]</sup>

### 2.2 Connecting

1. Connect your PC to the equipment.

In most of case you need the P313 isolation interface. Connect it between computer and system.

If you want to connect computer to N10 or BG21 board you need a special cable : see

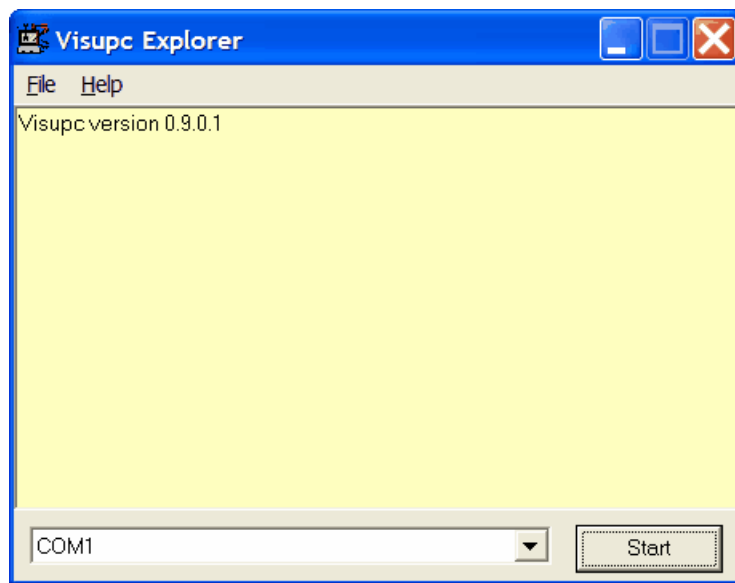
[Special cable for N10 or BG21 connection](#)<sup>[47]</sup>

If you have purchased the Modem version, you can also use an internal or external modem to establish the connection. The specific modem driver must be installed. (see

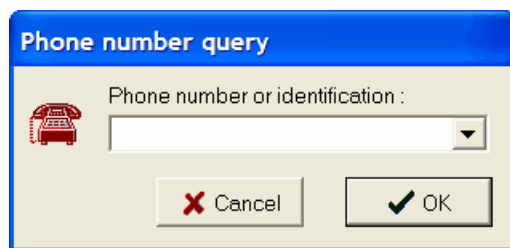
[Registering Visupc for modem use](#)<sup>[6]</sup>)

You can also connect your computer on Legend CAN bus (with an interface) or on Autinor RS485 bus (with P314 interface). See [Supervisor](#)<sup>[33]</sup>.

2. Run Visupc. You see this window :



3. Choose the COM port connected to the equipment or choose your modem.
4. Press **Start** button
5. If you select a modem device, a phone number is asked :



Type your phone number and press **OK**

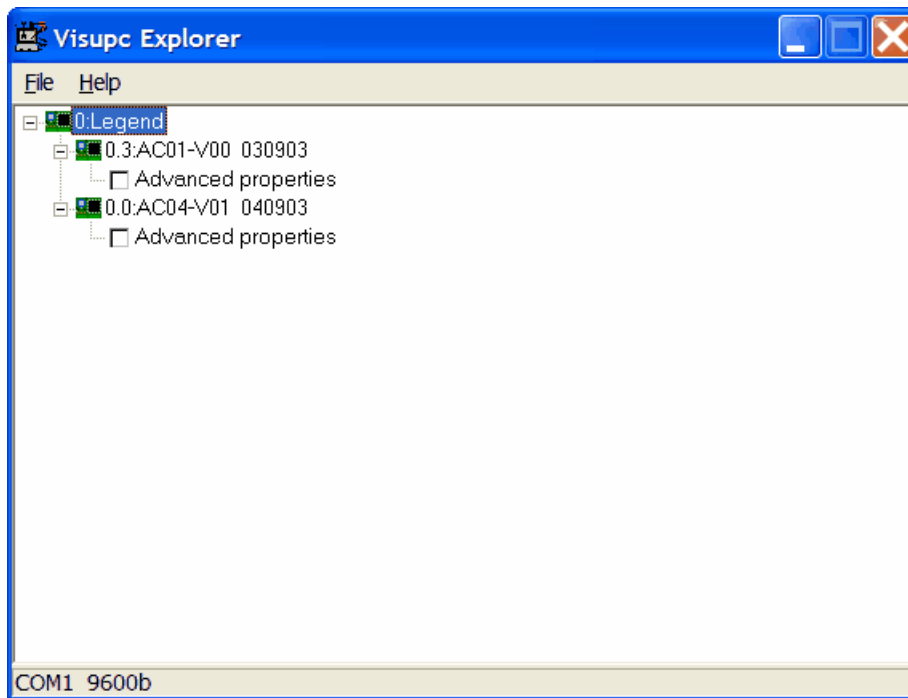
If you want call a DVT, type "**DVT:**" at the beginning of the phone number (DVT:0320625600 for example )

6. Now, Visupc is looking for connected system and after show a tree view with all found systems as nodes and special windows.

See [Exploring](#)<sup>[10]</sup>

## 2.3 Exploring

When Visupc is connected, it show an tree view with all connected systems and specifics windows :



In this example, Visupc has found and AC01 board (Legend machine-room board) and an AC04 board (car-top board).

All found systems have a child check box to open or close special window like :

[Properties](#)<sup>[15]</sup>  
[Advanced properties](#)<sup>[18]</sup>  
[Regulation move charts](#)<sup>[25]</sup>  
[Supervisor](#)<sup>[4]</sup>

These windows depend of the connected nodes.

Check the box to open the window, uncheck to close it.

**Note** : With protected nodes (like Teleport system), Visupc asks a password. Type it and press **OK**.  
With Teleport, the code is the value written in CODTEL parameter (local connection) or CODIST parameter (modem connection)

If you have many opened windows, you can press **[Ctrl]+[Tab]** to switch between windows.

## 2.4 Desktop saving

You can save the desktop and reload it automatically when the same system is connected.

For example, each time you connect your PC to a regulation system, you want to open the advanced properties window and the chart windows.

Do this :

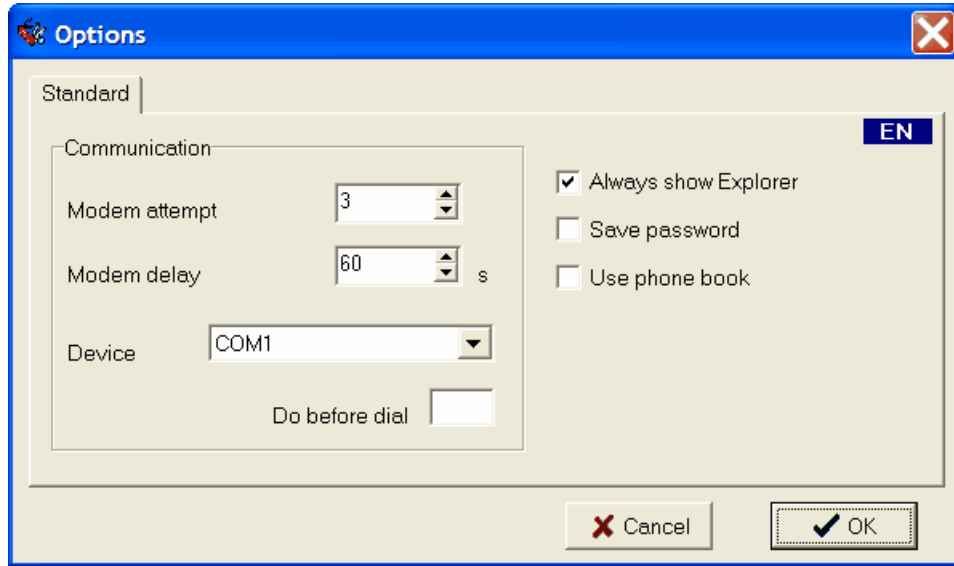
1. Connect your PC to the system, run Visupc and press **Start** button
2. When your PC is connected, open the advanced properties and chart window by checking the box in Visupc explorer
3. Move and resize the windows as you like

4. Go to **File | Save Desktop**. The screen setting is saved

Now when you connect Visupc to an regulation system, the windows appear automatically.

## 2.5 Options

Go to **File | Options** in Visupc explorer. This window appears :



You can change these values :

### Modem attempt

When the modem can't connect, it retry the call without user manipulation. The number of calls are limited by this value. (See Modem delay)

### Modem Delay

When the modem can't connect, it wait during this value and retry the call. (See Modem Attempt)

### Device

Select the default device when Visupc starts.

### Do before dial

You can write prefix phone number added when Visupc dials.

### ☒ Always show Explorer

If not checked, Visupc explorer is reduced when you open a node window.

### ☒ Save password

Some systems are password protected. If checked, the last password is memorized and use when needed.

### ☒ Use phone book

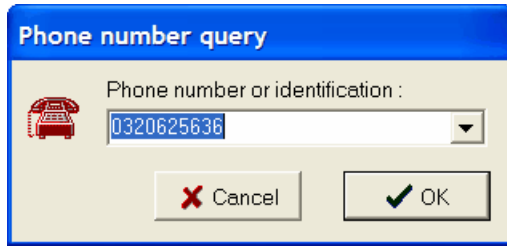
When checked, you can associate phone numbers to an identification string. See [Phone list](#)<sup>13</sup>

## 2.6 Phone book

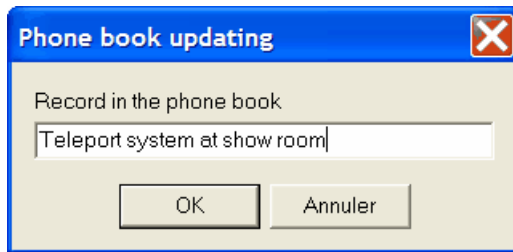
If ☒ **Use phone book** in [Options](#)<sup>[12]</sup> is checked, you can associate phone numbers to identification string :

### To add a phone number

1. Run Visupc, choose a modem device and press **Start**
2. A phone number is asked



3. Press **OK**
4. This window appears :

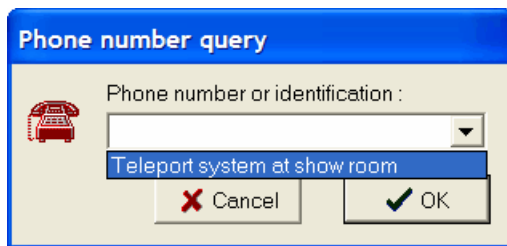


5. Type your identification string and press **OK**
6. Now your phone number is stored in the phone book

### To find a phone number in the phone book

Next time you want call this number :

1. Click on the down Arrow button to see the phone book :



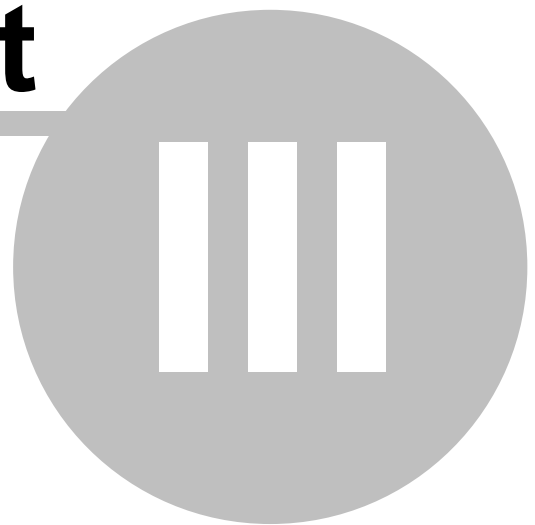
2. Select your identification and press **OK**

### Note

Phone book is stored in the *PhoneBook.ini* file.

# Part

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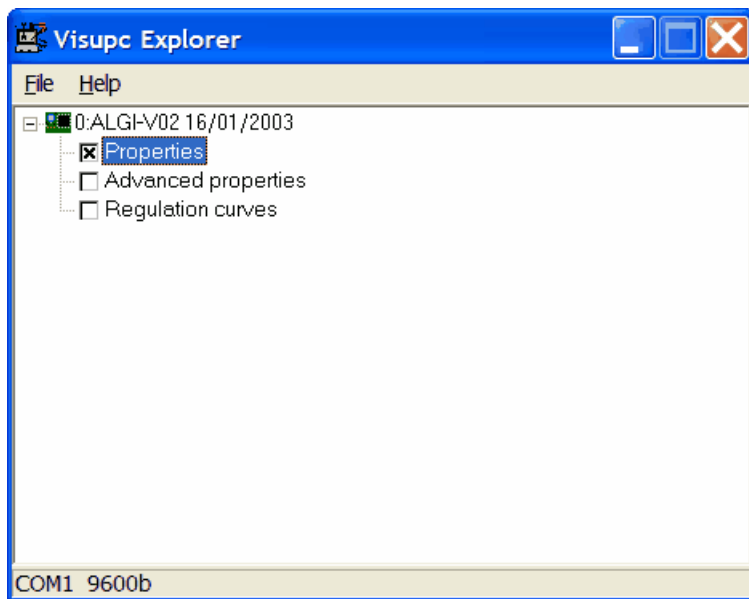
## 3 Properties

### 3.1 Overview

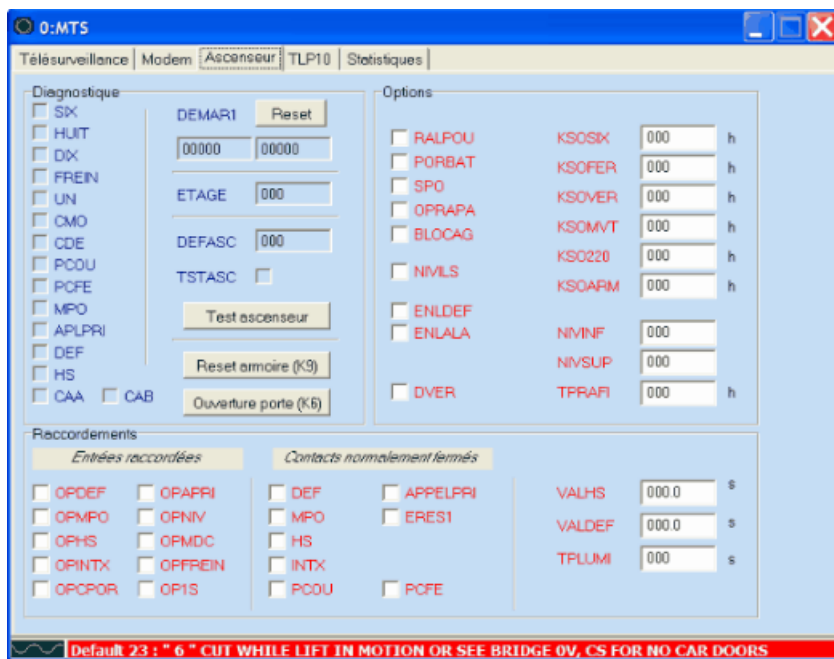
Properties windows are easy parametering forms.  
Most important parameters and variables are grouped by function.  
Some special parameters can only be modified in the [Properties window](#)<sup>[18]</sup>.  
Use to [Properties window](#)<sup>[18]</sup> to print and save parameters files.

These windows depend of the connected system and parameters are not explain in this documentation (see system parameters documentation).

In the Visupc [explorer](#)<sup>[9]</sup>, check the ☒ **Properties** of the wanted node.



The properties window appears :



example : French MAT properties window

This window is tiled into 4 areas :

- **Title bar with status icon** : when the circular icon is red, parameters can't be modified (lift in move for example)
- **Parameterizing area** (see below)
- **Bottom right fault panel** : Display the current fault number and code
- **Bottom left connection icon** : this icon is animated when connection is running.

### Parameters area

These standard rules depend of systems.

- White controls can be modified (parameters),
- Colored controls are read only (variables),
- When a check box is changed, the new value is automatically send to the system
- When an edit box is changed, the value is sent when you press [**Enter**] key or when you change the focus.
- Each controls is disable after change during system updating.
- You can move the mouse on a control and wait : a help sentence appears.

**Part**

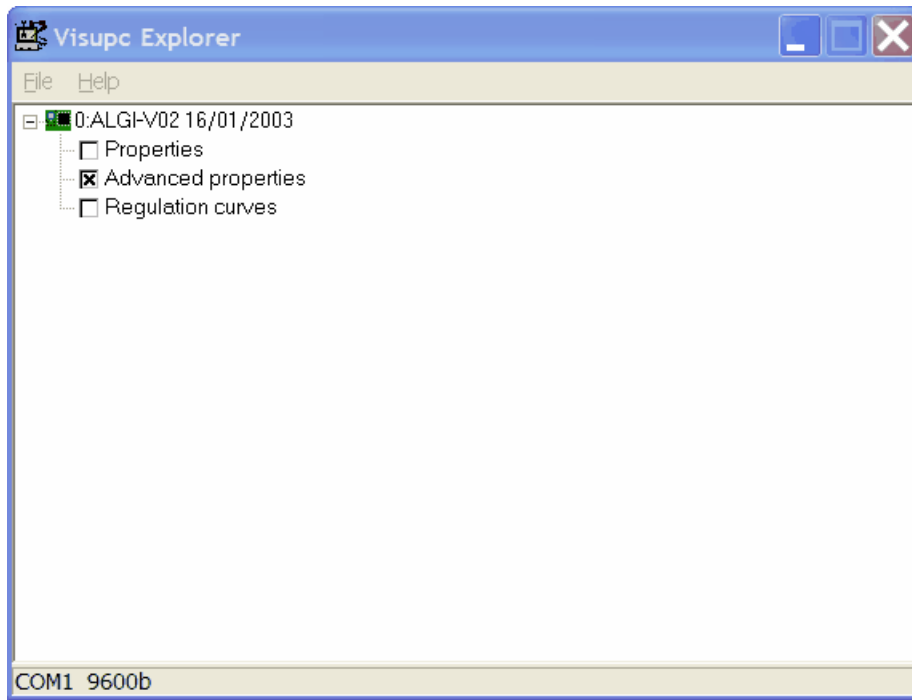
---

**IV**

## 4 Advanced properties

### 4.1 Overview

In the Visupc [explorer](#)<sup>[9]</sup>, check the ☒ **Advanced properties** of the wanted node.



The properties window appears :

Variables				Parametres			
Adress	Name	Value	Type	Adress	Name	Value	Type
0F900	+ENTR	00000000	B8	0F800	V0	0.150 m/s	D8
0F901	+SCMD	00000000	B8	0F801	VISO	0.020 m/s	D8
0F902	+AUX	11110001	B8	0F802	VINS	0.50 m/s	D8
0F903	TRAD	026 µC	D8	0F803	V1	1.32 m/s	D8
0F904	WTENCON	00082 Volt	D16	0F804	V2	02.50 m/s	D16
0F906		00	H8	0F806	DPoulie	00.490 M	D16
0F907		00	H8	0F808	DISTPR	05.806 M	D16
0F908	IMOTEU	0000.1 Amp	D16	0F80A	INCACC	03.1 S	D8
0F90A	DV0	075 mm	D8	0F80B	TPSTAB	0.30 S	D8
0F90B	DISO	010 mm	D8	0F80C	TPSTFR	0.80 S	D8
0F90C	DINS	00.457 M	D16	0F80D	THERMI	090 A	D8
0F90E	DV1	01.910 M	D16	0F80E	+HARD	00100001	B8
0F910	FREEL	00.00 Hz	D16	0F80F	DELTEM	000	D8
0F912	CONSIGNE	00.00 Hz	D16	0F810	TYPMOT	006	D8
0F914	VITES	00.00 M/s	D16	0F811	TMORT	01.5 us	D8
0F916	CODEUR	00529	D16	0F812	I_FLUX	0025.0 Amp	D16
0F918	VISREC	000 %	D8	0F814	I_FMIN	0025.0 Amp	D16
0F919		00	H8	0F816	GLISSE	06.0 %	D8
0F91A	TENSION	0010.7 %	D16	0F817	GPFil	001	D8
0F91C	OFSETEN	0007.0 %	D16	0F818	INERTIE	010 %	D8
0F91E	TENREF	00650 V	D16	0F819	GPMAX	008	D8

**NO FAULT**

This window is tiled into 4 areas :

- **Blue left panel** : this panel show the system variables (the values can't be modified)
- **Gray right panel** : this panel show the parameters (read-write values, except read only parameters)
- **Bottom right fault panel** : Display the current fault number and code
- **Bottom left connection icon** : this icon is animated when connection is running.

You can hide some panels with **Window** command in the menu

Note that special systems can show more than one parameter or variable panel.

Each parameter/variable line as 4 columns :

- **Address** : address of the variable in system (can't be modified)
- **Name** : name of the variable (can't be modified). You can move the mouse on the name and wait : a help sentence appears.
- **Value** : value of the variable (can be modified except read only values)
- **Type** : display base and length of the variable (can't be modified)

#### Binary variables and parameters

Binary variables can be detailed if the first character of the name is '+'.  
 Double click on the name. Lines with options are added in fuchsias color.  
 Double click again on the name to mask options.  
 You can also use **[Alt]+[↓]** to detail options or **[Alt]+[↑]** to mask options.

You can detail all binary variables with **Window | Expand** command or mask all binary options with **Window | Collapse** command.

**See also :**

[Modifying parameters](#)<sup>[20]</sup>

[Downloading and Uploading](#)<sup>[21]</sup>

[Printing](#)<sup>[22]</sup>

## 4.2 Mouse and keyboard functions

<b>[Tab]</b> :	Change active variables panel
<b>[↑], [↓]</b> :	Change the select variables
<b>[PgUp], [PgDn]</b> :	Previous / next page
<b>[Enter]</b> :	Apply new variable value
<b>[Ctrl]+F</b>	Open the search window
<b>[Alt]+[Enter]</b>	Expand or collapse binary variable. This is automatically done when the cursor is on binary variable during one more 1 second.

## 4.3 Modifying parameters

You can change the value of parameters in the parameter panel, except read only parameters :

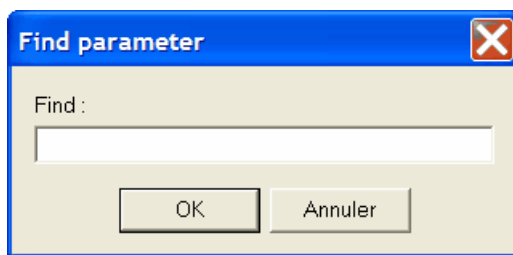
- Use the **[Tab]** key to select the wanted panel.
- Use then **[↑]** or **[↓]** to select the parameter line. You can also use **[PgUp]** or **[PgDn]** key to go to next/previous page.
- Type the value you want without units
- Press **[Enter]**. If Visupc stay in edit mode, the value you have written is not good. Type something else.
- The value is send to system, and the read back value is displayed. (This value can be different if the value written is not allowed).

### Note : binary options

When the select line is on a binary variable, wait for 1 second. The options are automatically detailed. When you quit the variable, the options are grouped again. You can also press **[Alt] [Enter]** to expand or collapse these kind of variables.

You can localize variable and parameters with the **find** function :

- Click on **Find** command on the menu. This window appears :



- Type the parameter name (or the beginning of the name), or the address (must begin with an decimal value '0' to '9'. For example, type 0FF08 to search the FF08 address).
- Press **[OK]**
- Visupc search the variable in parameters panel and variables panel and highlight it.

### See also :

[Downloading and Uploading](#)<sup>[21]</sup>

[Printing](#)<sup>[22]</sup>

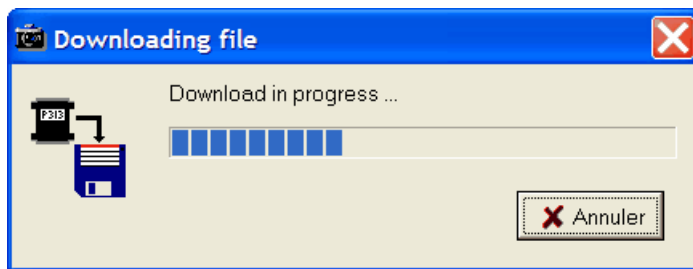
## 4.4 Downloading and Uploading

With Visupc, you can download parameters values, save them in a text file (can be opened with notepad), and upload parameters to system.

You can change the default parameters files path, see [Options](#)<sup>[22]</sup>

### Downloading parameters

- Go to **File | Download** and choose the panel to download
- The standard save dialog appears. Type the name and press **OK**

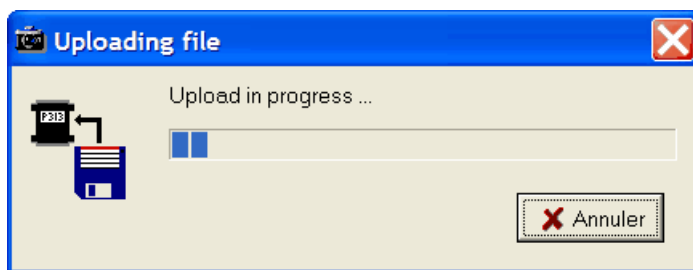


- The values are downloading and saving to file.
- You can open and see this file with a standard text editor like Notepad.exe

If you change the file manually, be careful. If you do something wrong, Visupc can't open the file.

### Uploading parameters

- Go to **File** menu and choose
  - Complete Upload** : all parameters are written even the value is the same. Use this command with local connection
  - or **Fast Upload** : only different parameters are written. This is a good method with modem connection.
- The standard open dialog appears. Type the name and press **OK**
- The values are uploading to equipment.



**See also :**

[Modifying parameters](#)<sup>[20]</sup>

[Downloading and Uploading](#)<sup>[21]</sup>

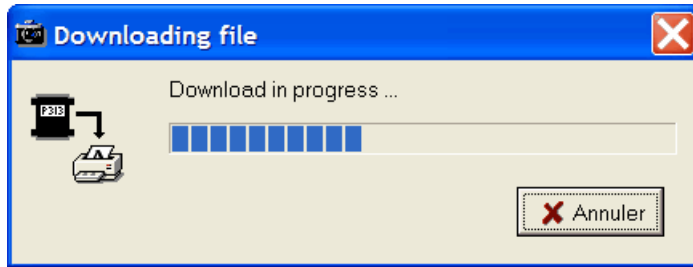
[Printing](#)<sup>[22]</sup>

## 4.5 Printing

With Visupc, you can print parameters on windows default printer :

### Printing parameters

- Be sure that a printer is selected in Windows Printer panel.
- Go to **File | Print** and choose the panel to print



- The values are downloading and printing

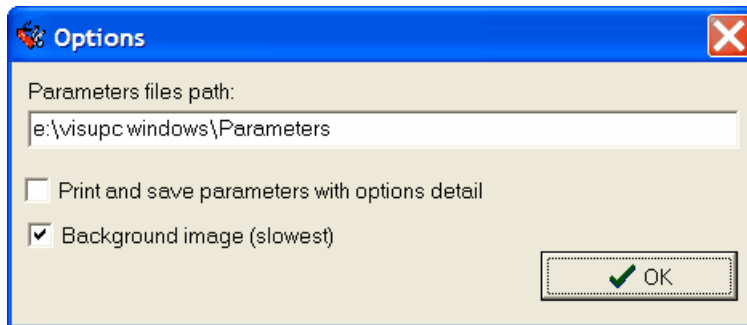
See also :

[Modifying parameters](#)<sup>[20]</sup>

[Downloading and Uploading](#)<sup>[21]</sup>

## 4.6 Options

Go to **File | Options**. This options window appears :



1. You can modify the path were parameters file are saved
2. You can deactivate the background image if you computer is slow.
3. You can change the print and save binary variables option :
  - With options detail, the binary variables are saved twice : the global value and the bit values

Example :

0F80B	-HARD	00000101	B8
0F80B.0	SIMUL	1	B1
0F80B.1	AP_DIR	0	B1
0F80B.2	VALMOT	1	B1
0F80B.5	PVISO	0	B1

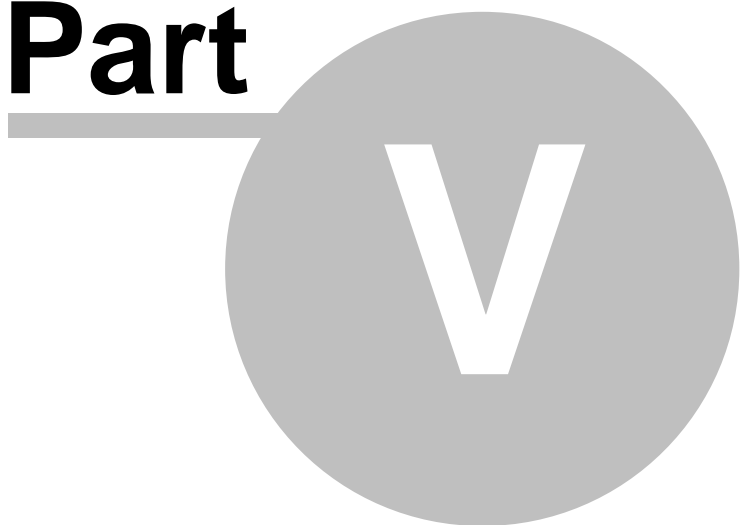
- With not options detail, the binary variables are saved in one line.



**Example**

0F80B | +HARD | VALMOT SIMUL | B8

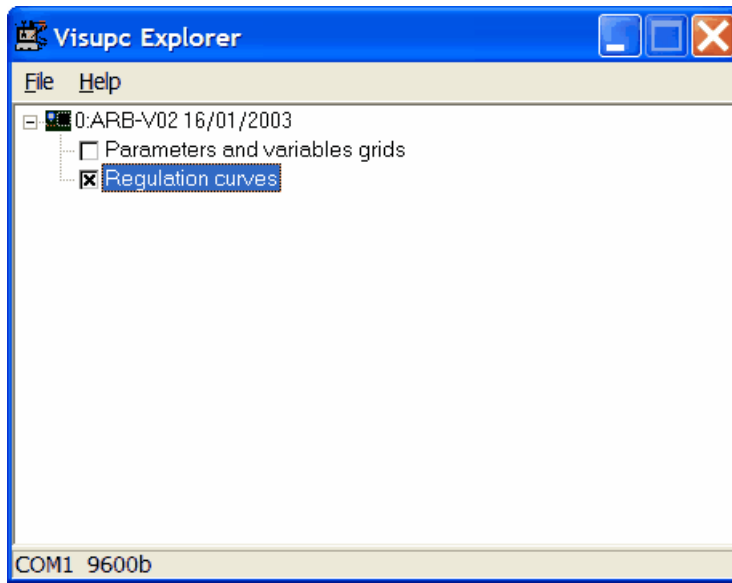
**Part**



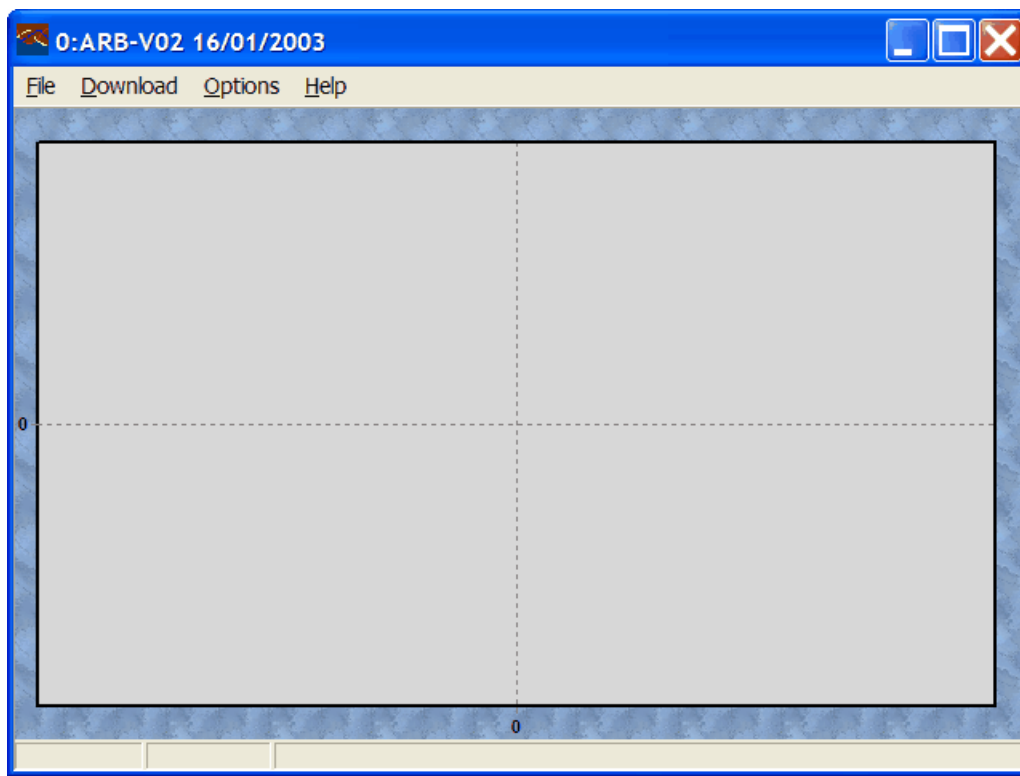
## 5 Displaying curves

### 5.1 Overview

Visupc lets you show, print, save and export curves of lift regulation.



If you connected system is a regulation board, click on ☒ **Regulation curves** of wanted node in Visupc [explorer](#)<sup>[9]</sup> to open the chart window :



See also :

[Downloading curves](#)<sup>[27]</sup>

[Zooming the chart](#)<sup>[29]</sup>

[Changing the Axis](#)<sup>[30]</sup>

[Printing](#)<sup>[29]</sup>

[Exporting](#)<sup>[29]</sup>

[Personalize the chart](#)<sup>[31]</sup>

## 5.2 Mouse and keyboard functions

<b>[Shift][↓], [Shift][↑] :</b>	Increase or decrease the zoom to 20%.
<b>Mouse left button :</b>	Draw rectangle
<b>[Space] :</b>	Zoom out
<b>[Shift] + Mouse left button:</b>	Zoom
<b>[→], [←], [↑], [↓] :</b>	Move the curves
<b>Mouse right button :</b>	Move the curves
<b>[Enter] :</b>	Download
<b>[Shift]+[Enter] :</b>	Chart options
<b>[Alt]+[Enter] :</b>	Download options

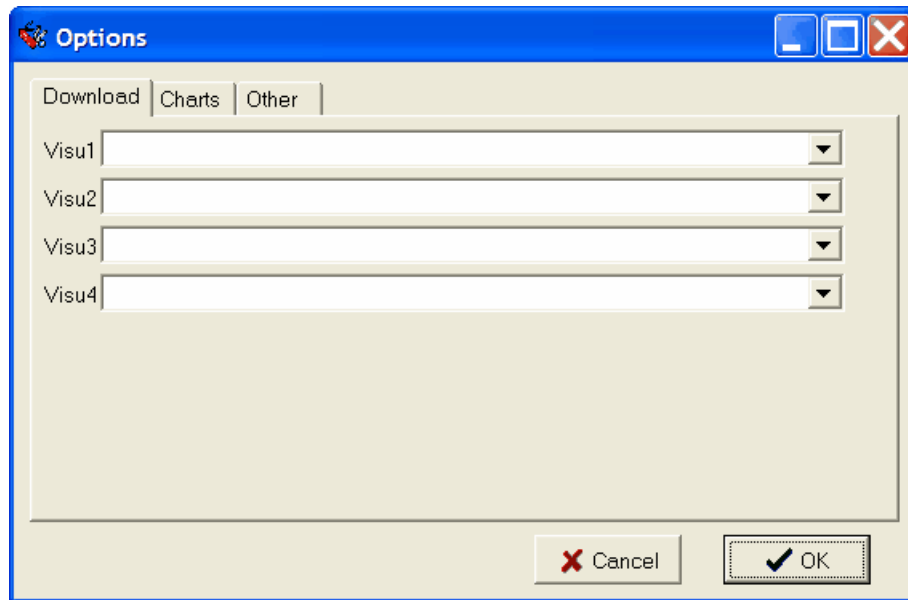
## 5.3 Downloading curves

### 5.3.1 Setting downloading parameters

When downloading data, Autinor regulation systems are sending the values of the 4 variables written in Visu1..Visu4 parameters.

These parameters are memorized in a permanent memory inside the electronic system and can be selected by this procedure :

1. Choose **Options | Download**. This window appear :



2. Choose the variable for each Visu parameter
3. Press **OK**

**See also :**

[Downloading](#)<sup>[27]</sup>

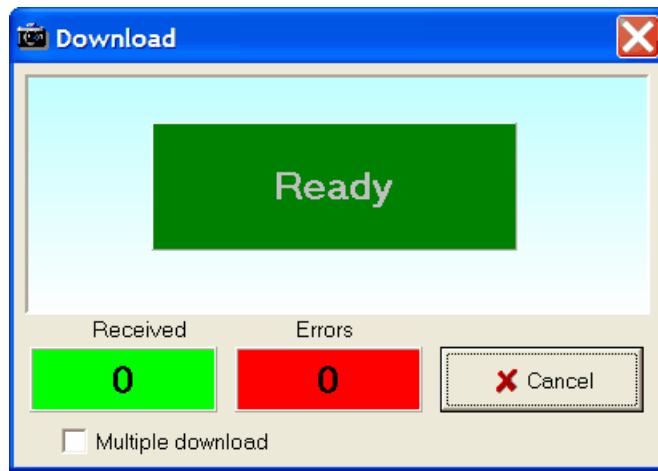
[Multiple downloads](#)<sup>[28]</sup>

[Automatic download](#)<sup>[28]</sup>

### 5.3.2 Downloading

To enter in download mode :

1. Click on **Download** or press **[Enter]**. This window appear :



2. Visupc is waiting for data sent by the equipment when lift is moving.
3. Move the lift. The download window preview the curves.
4. When lift stops, visupc quit the download mode and the curves appear in the main window.

**See also :**

[Setting downloading parameters](#)<sup>[27]</sup>

[Multiple downloads](#)<sup>[28]</sup>

[Automatic download](#)<sup>[28]</sup>

### 5.3.3 Multiple downloads

If the ☒ **Multiple download** box is checked, the download mode is maintained after lift stop. With this option, it is possible to capture and show many curves at the same time. Click on **Cancel** button to leave the download mode and show the curves.

**See also :**

[Downloading](#)<sup>[27]</sup>

[Setting downloading parameters](#)<sup>[27]</sup>

[Automatic download](#)<sup>[28]</sup>

### 5.3.4 Automatic download

If **Automatic Download** is checked in the **Options** menu, download start automatically at the beginning of the lift move without key pressing.

**Note :**

If this menu item is not visible, this command is not possible with the connected board.

**See also :**

[Downloading](#)<sup>[27]</sup>

[Setting downloading parameters](#)<sup>[27]</sup>

[Multiple downloads](#)<sup>[28]</sup>

## 5.4 Using the chart window

### 5.4.1 Showing the coordinates

When the mouse is moving on the chart, the status bar shows the mouse coordinates :

6,612 s    -9,681 Hz

To know the distance separating two points from a curve, trace a rectangle delimited by these two points:

1. Click on the first point and maintain the mouse button pressed
2. Move the mouse to the second point and release the mouse button

The status bar now indicates the horizontal and vertical distances between the two points

### 5.4.2 Zooming the chart

#### Using the mouse

Draw the region rectangle to zoom with the [Shift] key pressed :

1. Press **[Shift]**
2. Click at the top left corner of the region and keep the left mouse button pressed
3. Move the mouse to the bottom right corner and release the mouse button
4. Release **[Shift]** key

#### Using the keyboard

Use **[Shift][↓]** or **[Shift][↑]** to increase or decrease the zoom to 20%.

#### Note

Press **[Space]** or zoom from right to left to obtain the full chart.

#### **See also:**

[Moving the chart](#)<sup>[29]</sup>

### 5.4.3 Mooving the chart

The charts can be moved using the **[→]**, **[←]**, **[↑]**, **[↓]** keys or using the mouse right button.

#### **See also:**

[Zooming the chart](#)<sup>[29]</sup>

### 5.4.4 Printing

1. If you want print a title, click **Option | Chart** and fill the **Title** box in the options window.
2. Click **File | Print** to print the visible area of the graph.

The paper orientation is forced to landscape and the graph is adjust to the paper full size.

If you want change the style of printed paper, export the graph picture to picture editor, customize and print it.

#### **See also :**

[Export](#)<sup>[29]</sup>

[How to zoom the chart](#)<sup>[29]</sup>

[How to move the chart](#)<sup>[29]</sup>

### 5.4.5 Exporting

If you have to build reports with chart of lifts move, you can export them to another software:

- [Export using a bitmap file](#)<sup>[30]</sup>
- [Export using the clipboard](#)<sup>[30]</sup>

#### 5.4.5.1 Export to bitmap file

You can export the chart to a bitmap file with current zoom and position :

1. Click **File | Save as bitmap**
2. Select the directory, type the file name and press **OK**

**See also :**

[How to zoom the chart](#)<sup>[29]</sup>

[How to move the chart](#)<sup>[29]</sup>

#### 5.4.5.2 Export using the clipboard

You can export the chart to the windows clipboard with current zoom and position : use the **File | Copy** command.

**See also :**

[How to zoom the chart](#)<sup>[29]</sup>

[How to move the chart](#)<sup>[29]</sup>

#### 5.4.6 Comparing charts

With Visupc you can compare some curves with different set of parameters :

1. Do an capture
2. Save the chart with **File | Save** command
3. Change the parameters you want with the [Advanced properties](#)<sup>[18]</sup> window or [Properties](#)<sup>[15]</sup> window.
4. Do an capture with new parameters
5. Add the chart with old parameters to the current chart with the **File | Add file** command

**Note :**

When you save a graph, only the downloaded curves are saved, not the curves added with the **Add File** command.

#### 5.4.7 Changing the Axis

You can select the visible axis in the chart with the **Options | Axis** command.

**Note :**

When you select an axis, the other axis are hidden and resize by muliplicate by a 10-exposanted value to align the curves.

For example :

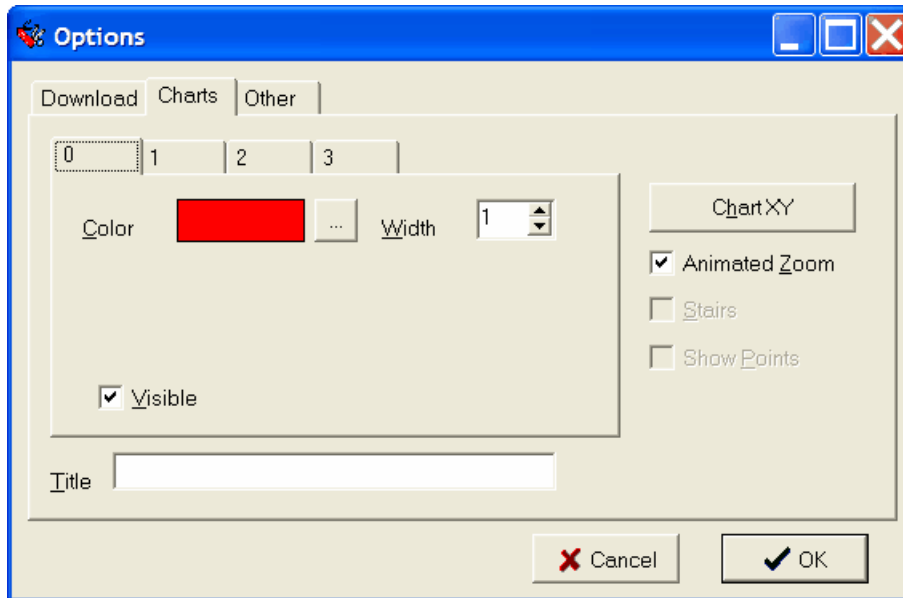
4 Hz = 400 V = 40 A



## 5.5 Options

### 5.5.1 Chart

Go to **Options | Chart** to open the Charts tab in the Options window :



With this window you can change for each curve :

**Color** : click on [...] button to open the color dialog

**Width** : click on the arrow buttons

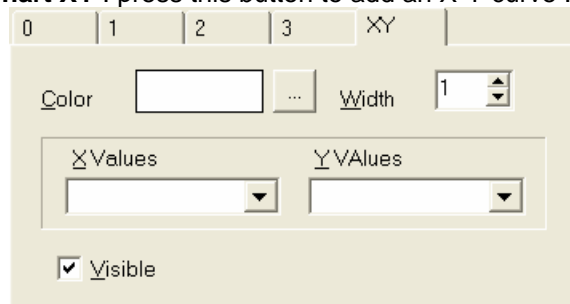
☒ **Visible** : change the visibility with this box.

You can change the chart options :

**Title** : type the title of the chart

☒ **Animated Zoom** : Enable the option and zoom the graph. It's nice, isn't it ?

**Chart XY** : press this button to add an X-Y curve :



Choose the X and the Y Value and press OK

### 5.5.2 Path setting

You can change the path for saving and loading charts :

Go to **Options | Charts**, choose the **Other** tab, change the path and press **OK**.

**Part**

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**VI**

## 6 Supervisor


### 6.1 Overview

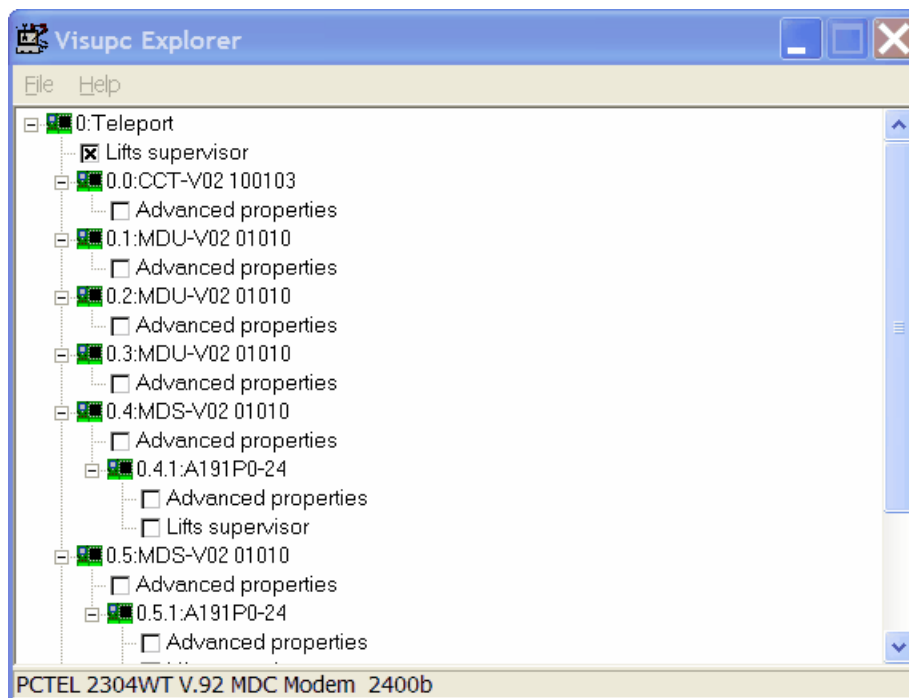
The lift supervisor shows a picture of one or more lifts.

It is available with 191 and 32 series, direct connection or trough MAT1S, MADAS or P314 bus.

It is also available on Legend horizontal & vertical bus (with AC03/PcCan board as interface).

**Note that you can't open the Supervisor and the PcCan properties window at the same time.**

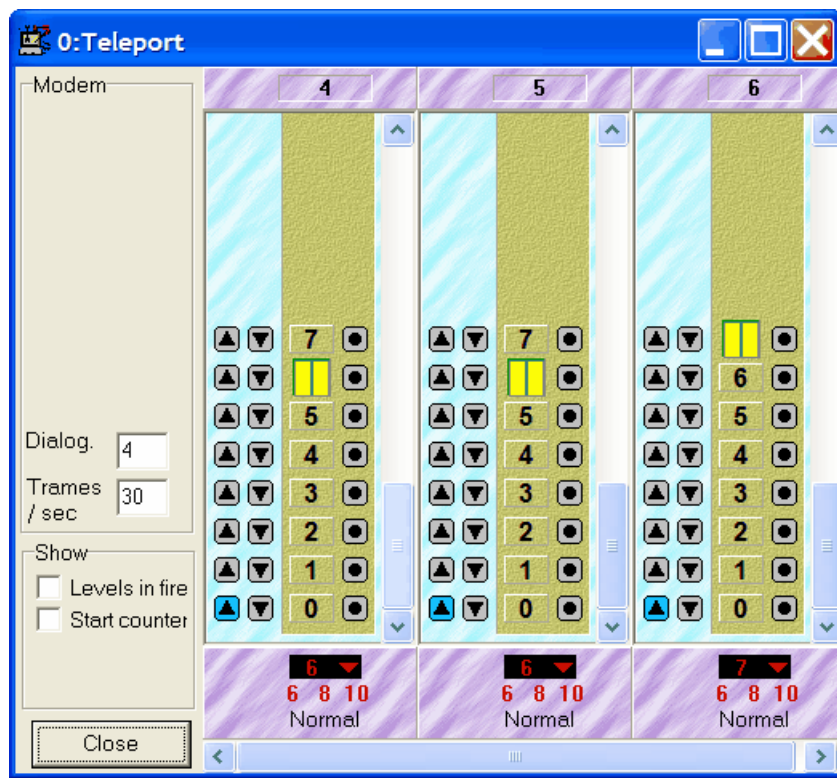
In the Visupc [explorer](#) , check the ☒ **Lift supervisor** of the wanted node.



In this example, you can show the Supervisor from Teleport (see all lifts) or from one lift (see only this lift).

If a password is asked, type it. With Teleport, the code is the value written in CODTEL parameter (local connection) or CODIST parameter (modem connection).

A supervisor window appears :



### Control panel

The control panel is at the left of the window and depends of connection type :

[Control panel with P314](#)<sup>[35]</sup>

[Control panel with modem](#)<sup>[36]</sup>

[Control panel on Legend Horizontal bus](#)<sup>[37]</sup>

### Actions to lifts

The picture of lifts presents :

- ▲ ▲ : landing up calls
- ▼ ▼ : landing down calls
- ● : car calls

Click on these button to send calls.

With 191 & 32 series, only car calls are possible.

With Legend, only landing calls are possible (at this time)

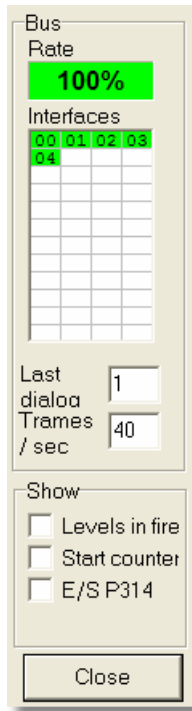
The levels are always numbered from 0 to last level -1.

## 6.2 Control panel with P314

This panel is shown with P314 bus connection.

This bus is a RS485 bus and can group up to 47 lifts. It is usually used for lifts local monitoring. It is also use with concentrator / mada connection.

The panel is at the left of the supervisor window :



It shows :

The data **rate** of the bus. A value less than 95% is bad (bad bus connection : check connections and dip settings)

The **Interfaces** grid shows all founded node and there status : ok in green, error in red (Bus conflicts)

**Trames / Sec** box shows the frame rate.

With the control panel, you can activate advanced options :

### ☒ Levels in fire

When checked, a column is added in each multiplex and show the fire mode :



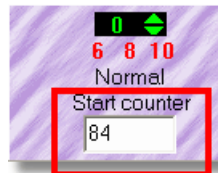
level in fire



normal mode

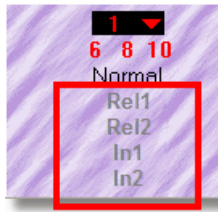
### ☒ Start counter

When checked, a line is added below each lift to display the start counter



### ☒ E/S P314

When checked, 4 lines is added below each lift to see P314 inputs and control output customerized relays



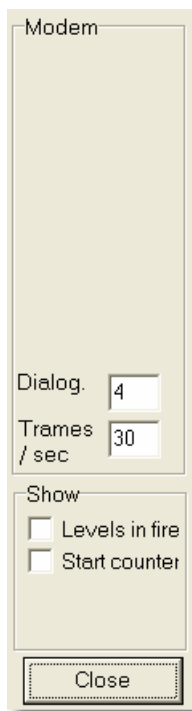
Click on Rel1 or Rel2 to change the relays status. When activated, Rel1 (Rel2) is written in red color.

When the inputs are actives, In1 (In2) is written in red.

## 6.3 Control panel with modem

This panel is shown with modem connection.

The panel is at the left of the supervisor window :



**Trames / Sec** shows the frame rate.

With the control panel, you can activate advanced options :

### ☒ Levels in fire

When checked, a column is added in each multiplex and show the fire mode :



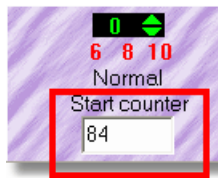
level in fire



normal mode

### ☒ Start counter

When checked, a line is added below each lift to display the start counter



## 6.4 Control panel on Legend Horizontal & Vertical bus

This panel is shown with Legend horizontal or vertical bus connection. On vertical bus, only one lift appears.

### Important note :

You need a AC03 board with special firmware (PCCAN2) and special parameters (PCCAN2.PAR in the program directory) to interface can bus to RS232 PC plug.

With the control panel, you can activate then ☒ **Mask** option :  
When checked, the multiplex masks are drawn in the lift picture.

- : Up and Down authorized calls (fuchsias)
- : Up authorized calls (green)
- : Down authorized calls (blue)

**Part**

**VII**



## 7 Connecting modem to equipment

You can connect a modem to all Autinor electronic systems without teleport system.

**With 32, 191 series, you need :**

- A BG21 board (if not included in the main board)
- A [Special cable for 32 & 191 series](#)<sup>[39]</sup>
- A modem with special [Setting](#)<sup>[40]</sup>

**With electronic systems used with P313 isolation interface (AC01, AC04, AC05, VEC01, ...), you need:**

- A standard isolated P313 interface
- A [Special cable for P313](#)<sup>[40]</sup>
- A modem with special [Setting](#)<sup>[40]</sup>

### Parameter writes protection

With 32 & 101 series and motor regulation, the write command has not error detection. If an error occur when you want change a parameter, another parameter may be accidentally modified. Normally, Visupc is near the lift and you can see what's happening, change errors and test the lift.

With modem connections, you are far to the lift and you cannot control what you do. In this case, all parameters are write protected with distant connection.

If you want (but don't do this), you can change the access for chosen parameters but be sure that :

- **Write access to unlocked parameters is not dangerous for lift's users**
- **People who use Visupc is competent technician and check all parameters before the end of connection.**

**Autinor shall not be liable for any damage in any way if you unlock write protection.**

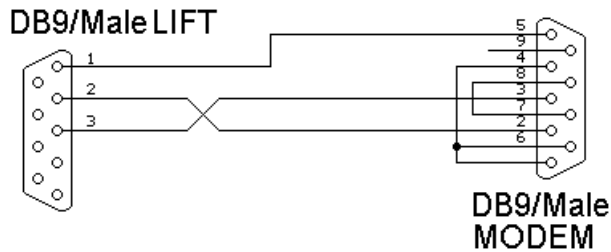
To change write protection, see [Unlocking parameters](#)<sup>[43]</sup>

**Note :**

With Legend system, write command is error protected by a check-sum byte.  
In Teleport system, parameters can be changed.

### 7.1 Special cable for 32 & 191 series (SP1)

Use a cable with this wiring diagram for connecting a lift to the Modem.



(Pin 2 connected to Pin 2, 3 to 3)

**THIS CABLE IS NOT THE SAME AS THE P313 MODEM CABLE**

This cable must be placed between modem and equipment :

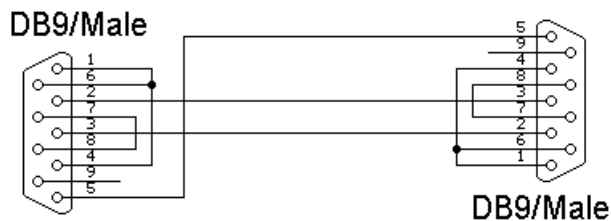
[Equipment] ⇔ [BG21] ⇔ [Special cable] ⇔ [modem] ⇔ [Phone line]

See also :

[Modem setting](#)<sup>[40]</sup>

## 7.2 Special cable for P313 (SP2)

Use a cable with this wiring diagram for connecting the P313 interface (Legend, MLIFT, ...) to the Modem.



(Pin 2 connected to Pin 3)

**THIS CABLE IS NOT THE SAME AS THE 32 & 191 SERIES MODEM CABLE**

This cable must be placed between modem and P313 :

[Equipment] ⇔ [DB9M/DB25F adapter] ⇔ [P313] ⇔ [DB25M/DB9F adapter] ⇔ [Special cable] ⇔ [modem] ⇔ [Phone line]

See also :

[Modem setting](#)<sup>[40]</sup>


## 7.3 Modem setting

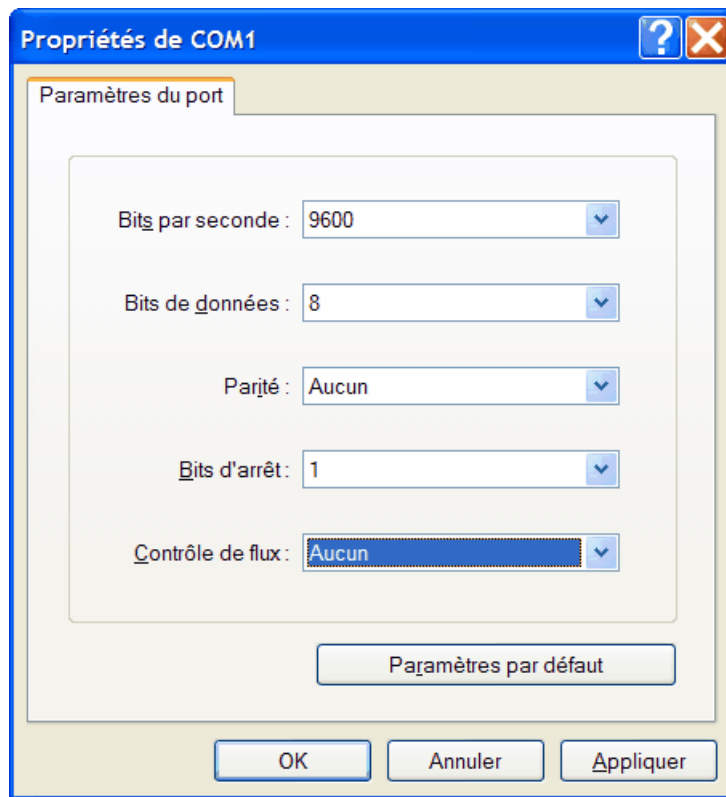
The modem must be configured for hang up and connect alone.

This setting is made by sending standard Hayes commands to modem with a terminal software (for example Hyper terminal in Windows)

This works with Olitec Self Memory modem and should work with all modems Hayes command compliant.

### Modem setting

1. Connect the PC to the equipment WITHOUT modem. Run Visupc, wait for connection and check the datarate in the status bar of Visupc explorer window.  
 (9600 in this example)
2. Close Visupc, connect the modem to the PC with standard modem cable and run Hyper terminal software installed by Windows.
3. Type a name for the connection (for example : Modem) and press **OK**
4. In the next window choose the COM port connected to the modem (COM1 for example). Do NOT choose the modem device. Press **OK**
5. In the next window, type the data rate found at 1 and fill the other parameters like this : (Aucun = None)



6. Press **OK**. Now you can send commands to the modem
7. Type **AT&F** and press **[Enter]** (this command restore factory configuration). The modem answers **OK**
8. Type **AT&S0=2** and press **[Enter]** (this command set the modem in auto-answer mode and hang up after 2 rings). The modem answers **OK**
9. Type **AT&W0** and press **[Enter]** (Store the parameters in profile 0). The modem answers **OK**
10. Type **AT&Y0** and press **[Enter]** (Set profile 0 as default reset profile). The modem answers **OK**
11. Reset the modem
12. Type **AT&V** (display current configuration) and press **OK**. The Hyper terminal window must be something like this :

```

Modem - HyperTerminal
Fichier Edition Affichage Appeler Transfert ?
[Icons]

AT&F
OK
AT&S0=2
OK
AT&W0
OK
AT&Y0
OK
AT&V
ACTIVE PROFILE:

B0 E1 L1 M1 Q0 T V1 W2 X4 &A0 &C1 &D2 &G2 &K3 &Q5 &R1 &S0 &X0 %C3 \N3 &Y0
S00:002 S01:000 S02:043 S03:013 S04:010 S05:008 S06:003 S07:140 S08:002 S09:006
S10:014 S11:085 S12:020 S18:000 S25:005 S26:001 S36:007 S37:000 S38:020

TELEPHONE NUMBERS:
0=
2=
OK
-

00:00:48 connecté VT100J 9600 8-N-1 DÉFIL Maj Num Capturer Écho

```

13. Check in the result of AT&V command that S00 is not null.

### Modem testing

If your PC has an integrated modem or another COM port connected to another modem, you can check the modem settings :

1. Connect the modem under test to the PC and run Hyper Terminal as described on top.
2. Connect 2 phone lines to the 2 modems
3. With Visupc, calls the modem under test.
4. If the modem sends RING, RING, CONNECT XXXXX (xxxxx is the connection speed), it works



1. When connected to system (local or distant), go to [Advanced properties](#)<sup>18</sup> and go to **File | Edit system file**
2. The equipment parameters file is opened by notepad.
3. Locate in **[Variables]** section the parameters you want to unlock and add < ,**+MW** > at the end of the parameter line (without '<','>' and spaces but with ',')
4. Save the file and start again Visupc.

**Note :**

With Legend system, write command is error protected by a check-sum byte.  
In Teleport system, parameters can be changed.  
access

**Part**



## 8 FAQ : Frequently asked questions

### 8.1 Translating Visupc

It is very easy to translate Visupc in any language : each message displayed is stored into a text file. The name of this file is **Visupc** and the extension is the windows region code. When started, Visupc read this code and search for the Visupc translation file. If not found, it uses the English Visupc.EN file, if not found it uses the French Visupc.VPC file.

To translate Visupc do :

1. Go to **File | Option** menu and click on the blue rectangle at the top right corner of the **Standard** tab. The rectangle show your region code.
2. Visupc open the translation file with the Notepad. If the file doesn't exist, it is created. This file is a standard Ini file. You have to translate the sentences written after the '=' character in all sections except **[Fichiers]** and **[Visupc]**. Some strings like '%s' or '%d' can be move but cannot be deleted. In run-time they are replaced by a formatted string. The '&' character is used to underline the next character (shortcut).
3. Save the file and start again Visupc.

If you want, you can also translate equipment parameters files. These files contain all parameters definitions. There are stored in the Visupc directory (C:\Program Files\Autinor\Visupc) and have the windows region code as extension.

To translate equipment files do :

1. Copy all equipment files in Visupc directory and rename them with your region code (see the blue rectangle in the **File | Options | Standard** window).
2. Translate these files. They are standard Ini files. Translate **[@.....]** and **[Captures]** sections if present, and **[Visupc].Texte** key.

**Note :**

Send to Autinor all translation files you have created or modify. They will be added in the install software.

### 8.2 Using an USB/RS232 adaptor

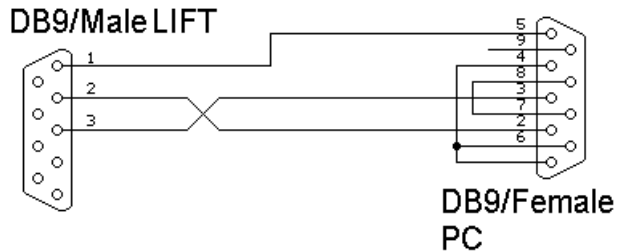
If your computer don't have RS232 port, you can use an USB adaptor

1. Install completely the device (see manufacturer's documentation)
2. Open the P313 interface
3. Add 2 wires on the DB25 female PC connector :
  - from pin 4 to 5
  - from pin 6 to 20



### 8.3 Special cable for N10 or BG21 connection

If you want connect your PC to N10 or BG21 use a cable with this wiring diagram :



This cable must be placed between PC and equipment **without** P313 interface

[Equipment] ⇔ [BG21] ⇔ [Special cable] ⇔ [Computer]

Note that this connection is not isolated.

If your computer is connected to ground you connect the equipment reference signal to earth trough the cable and make an 01 fault.

When using this cable, use an notebook or isolation transformer.

### 8.4 How to change the Visupc language ?

When started, Visupc read the windows country code and use it to determine the user language.

You can change this and force Visupc to use another region code. To do this, you have to modify the command line parameters in the visupc shortcut :

- Select the short cut properties
- On the link tab, add at the end of the command line : "/Country:xx" where xx is the wanted windows region code :
  - FR : France
  - EN :English
  - CN : Chinese
  - DE : Deutschland

The region codes recognized by Visupc are the extensions of Visupc.\* files in C:\Program files\Autinor\Visupc for windows directory.

### 8.5 How to increase Visupc connection ?

If your always use the COM1 serial port on you computer, you can force the connection when Visupc is started : you don't need to press **Start** button anymore.

To do this, you have to modify the command line parameters in the visupc shortcut :

- Select the short cut properties
- On the link tab, add at the end of the command line : "/Device:xx" where xx is the device identification (this is the value written in the devices box on main window of Visupc). It can be a modem name.