



# DpcSoft

Software for DPC72 configuration

## *Instruction Manual*



**Introduction**

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**Software configuration**

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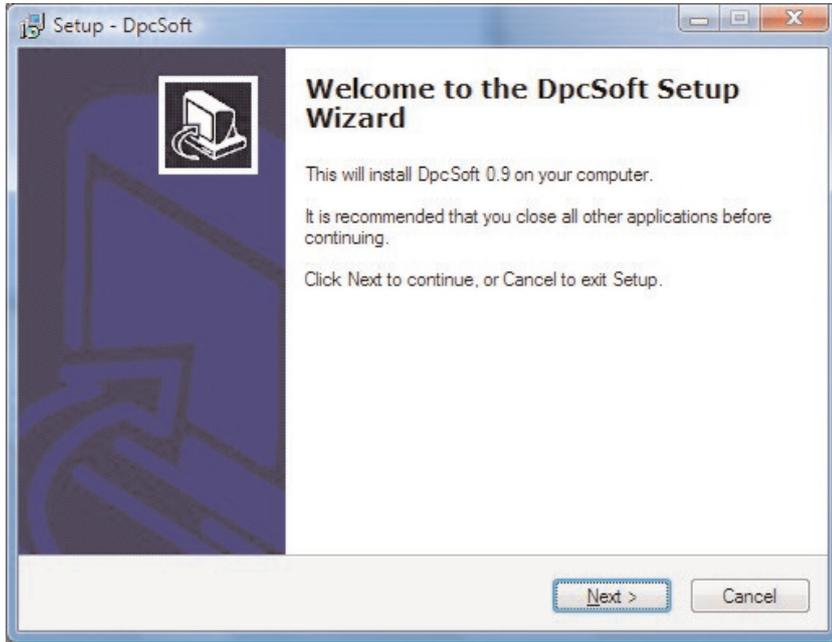
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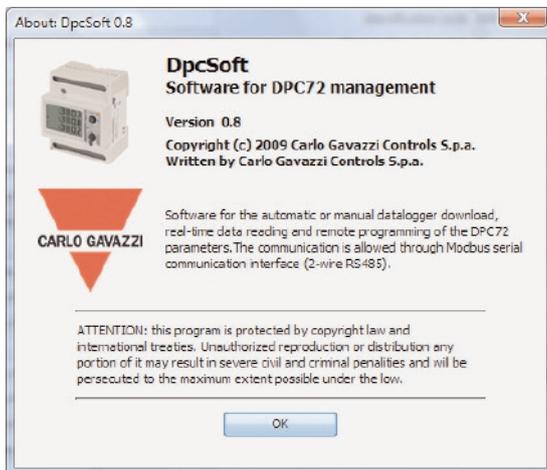
## Installing DpcSoft Software



When the CD-ROM is inserted in the drive, launch the setup.exe file, follow the instruction and finally press "Install".

**It is recommended to save all current jobs and close all open applications before installing DpcSoft.**

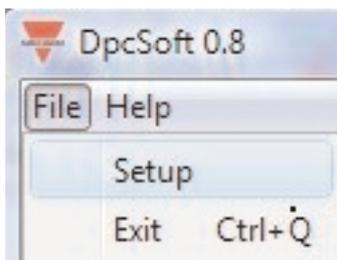
## The software in brief



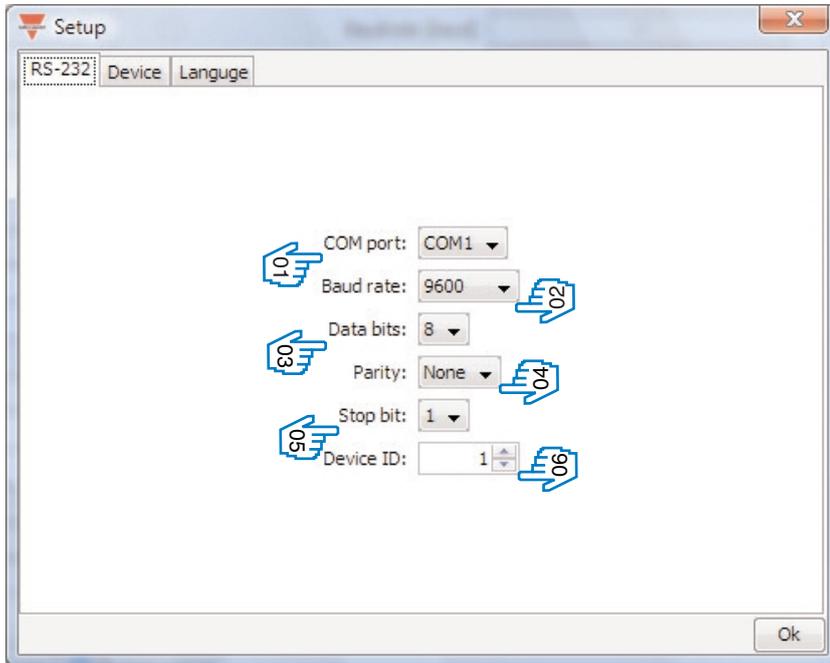
DpcSoft has been developed to program DPC72 and its various versions. In order to do this, it is necessary to transfer data from PC to the instrument by means of 2-wire RS485 (\*). The right communication parameters must be chosen accordingly.

The software configuration is carried out by selecting "Setup" from the "File" menu.

(\*) In the RS485 communication, it is suggested to use the RS232/RS485 converter model SIU-PC2.



### Communication parameters



Select the communication parameters.

[01] Select the COM port to which the RS485/RS232 converter is connected.

[02] Select the correct Baud rate (same value as DPC72).

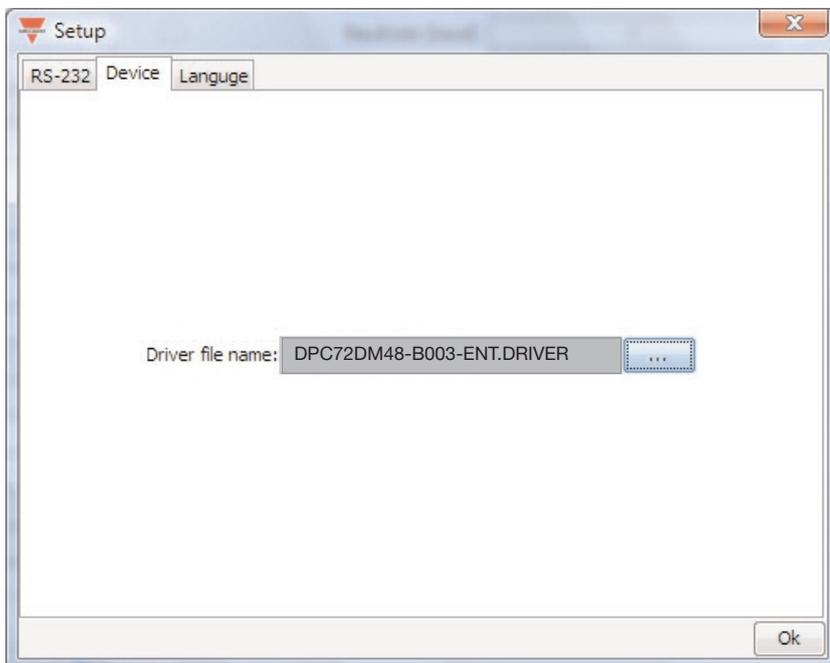
[03] Select the correct Data bits (8).

[04] Select the correct Parity (same choice as DPC72).

[05] Select the Stop bit (1).

[06] Select the instruments serial address (same value of DPC72, from 1 to 255).

### Driver selection

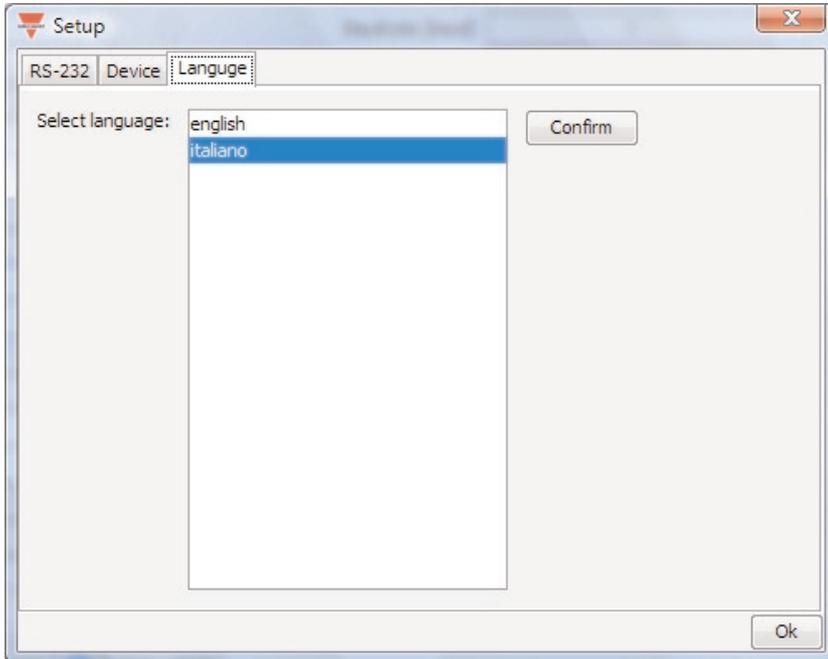


Select the driver to be associated to DPC72. The driver must be relevant to the right DPC72 version and revision, and to the desired language.

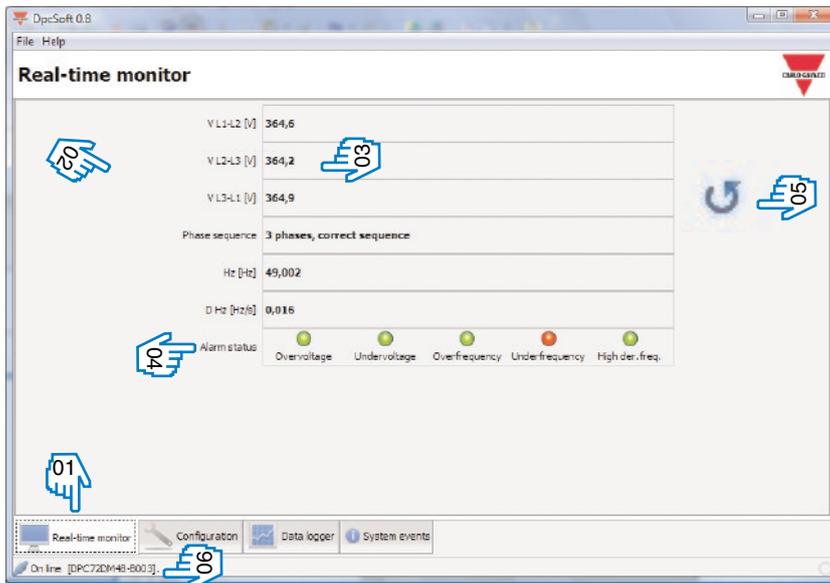
This language selection translates the variable and parameter names on the relevant window.

## Language selection

Select the desired language.  
This language selection translated the messages, warning, headings of the different software pages.



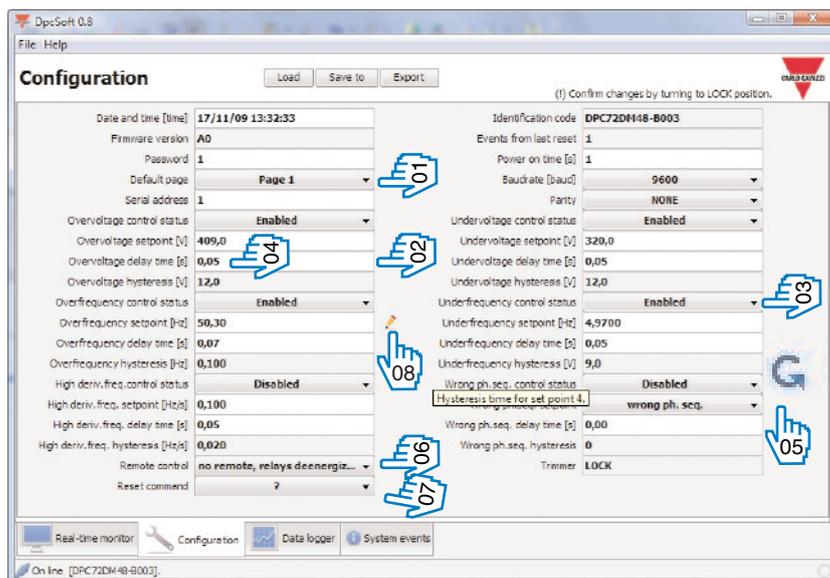
## Real-time monitor



In this section, the instantaneous variables and alarm status can be monitored in real-time. Once this page is selected, DpcSoft will show the real-time data in a few seconds.

- [1] Selection of the real-time page
- [2] Available instantaneous variables
- [3] Instantaneous value
- [4] LED's (green/red) indicating the alarm status
- [5] The blue arrow indicates that DpcSoft is trying going to read the value from DPC72
- [6] Indication of any communication status or errors

## Configuration page



In this section the configuration parameters of DPC72 can be read and modified. Once this page is selected, DpcSoft will read all the actual parameters in a few seconds.

To modify the programming, the DPC72 front selector must be in "1", "2" or "3" position.

In "lock" position only the serial and time parameters can be changed.

For old revisions of models B001 and B003 (serial number BJ or previous) the programming must be changed in "lock" position only.

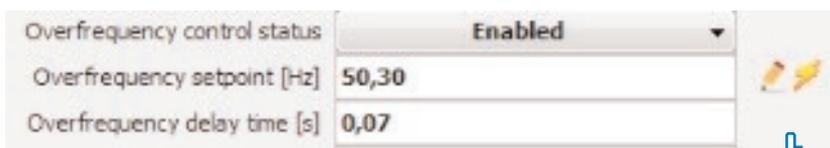
To modify a parameter select and modify its value (a pencil icon [8] appears to the right). Confirm and send the value by pressing enter.

To enable a function, a reset or a value among a list, select the new value on the list which appears by clicking the little arrow. [1]

Once the front selector is back in "lock" position, a lightning icon [9] indicates that the parameters is going to be overwritten. After the blue arrow icon [5], the new value is displayed.

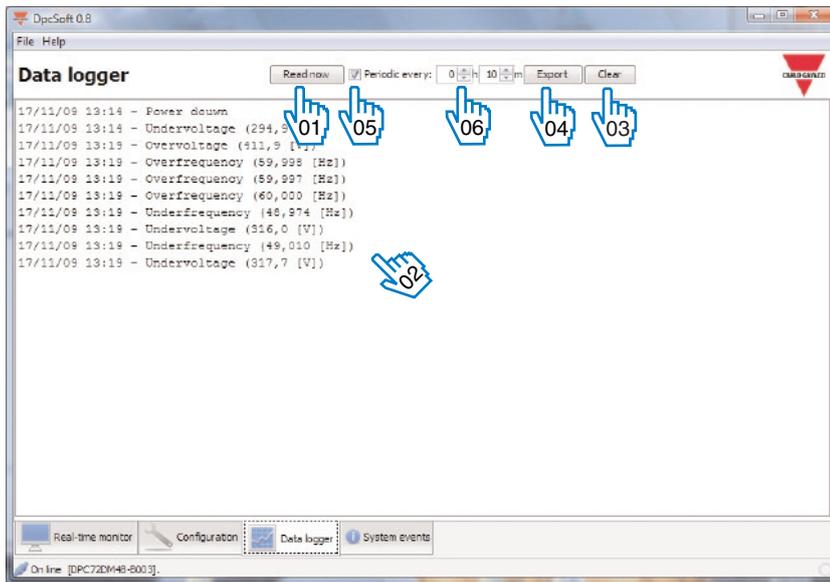
For old revisions of models B001 and B003 (s/n BJ or previous) the new parameters value is going to be overwritten (lightning icon) as soon as enter is pressed.

If the new value is out of the admitted range, a red cross [10] will indicate that the wrong value (now highlighted in yellow) must be changed.



- [2] Available parameters (white box)
- [3] Read-only parameters (grey box)
- [4] Parameter value
- [5] Parameter status icon
- [6] Remote control menu. It allows remotely controlling the activation/deactivation of the relays, independently from the alarm status
- [7] Reset commands. It allows resetting the log data/counter or configuring the default settings.

## Data logger page

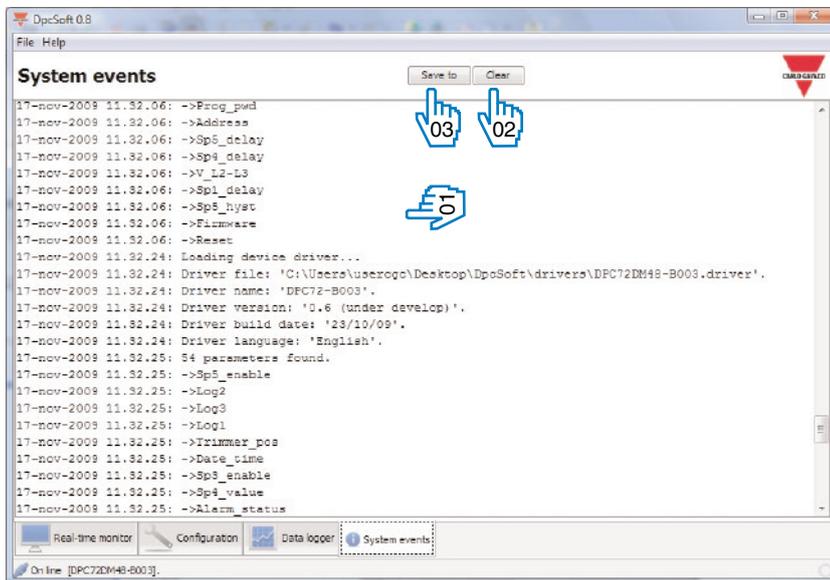


In this section, the data logger events can be downloaded and analysed.

- [1] Manual data logger download
- [2] List of the downloaded events
- [3] Clear the event list on the page
- [4] Export the event list in Excel file
- [5] Select to automatically download the events on regular basis
- [6] Select the time period between 2 consecutive downloads

Note: every download made by means of DpcSoft deletes the DPC72 datalogger memory area.

## System events list



In this section, the system events can be analysed (for problem-solving purpose only)

- [1] List of the system events
- [2] Clear the list of the system events on the page
- [3] Export the system events list in a debug (dbg) file