The DASYLab CAN Driver

Quick Start User Guide

This user guide describes how to implement the DASYLab CAN driver into their applications with DASYLab 8.0 in a quick and easy way. Therefore, it only provides the basic instructions. For more detail information about the driver, please refer to the DASYLab CAN driver user manual in the product CD:

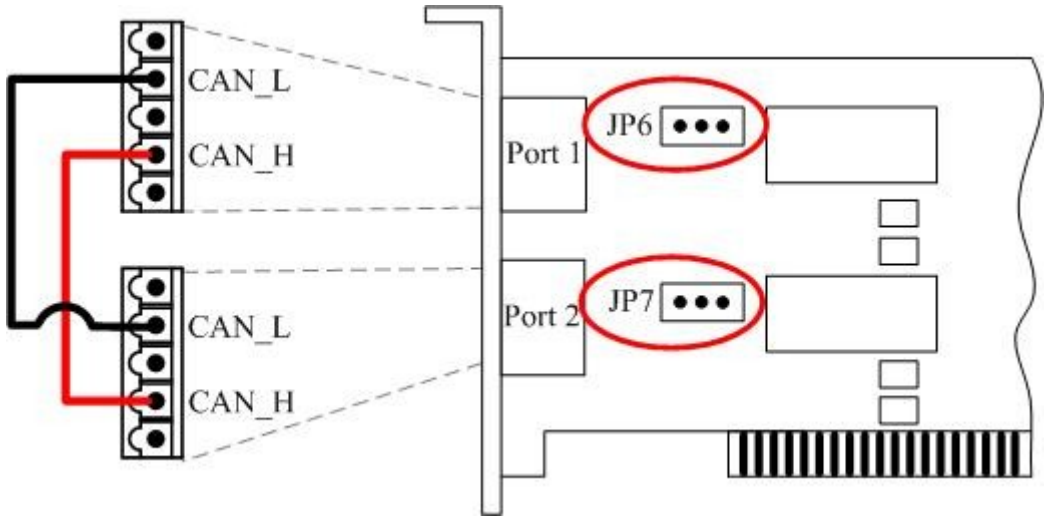
\\CAN\PCI\PISO-CAN200_400\DASYLab_CAN_driver\

Or download it from following web site:

http://www.icpdas.com/download/pci/piso-can/index.htm

Step 1: Before using the DASYLab CAN driver, users must have at least one PISO-CAN200 or PISO-CAN400 card and CAN card driver of PISO-CAN200/400 in user's computer (please refer to PISO-CAN user manual for installation).

Step 2: Connect CAN card port 1 with port 2, and enable terminator resister of port 1 and port 2.



JP6 port 1 terminator resister

JP7 port 2 terminator resister

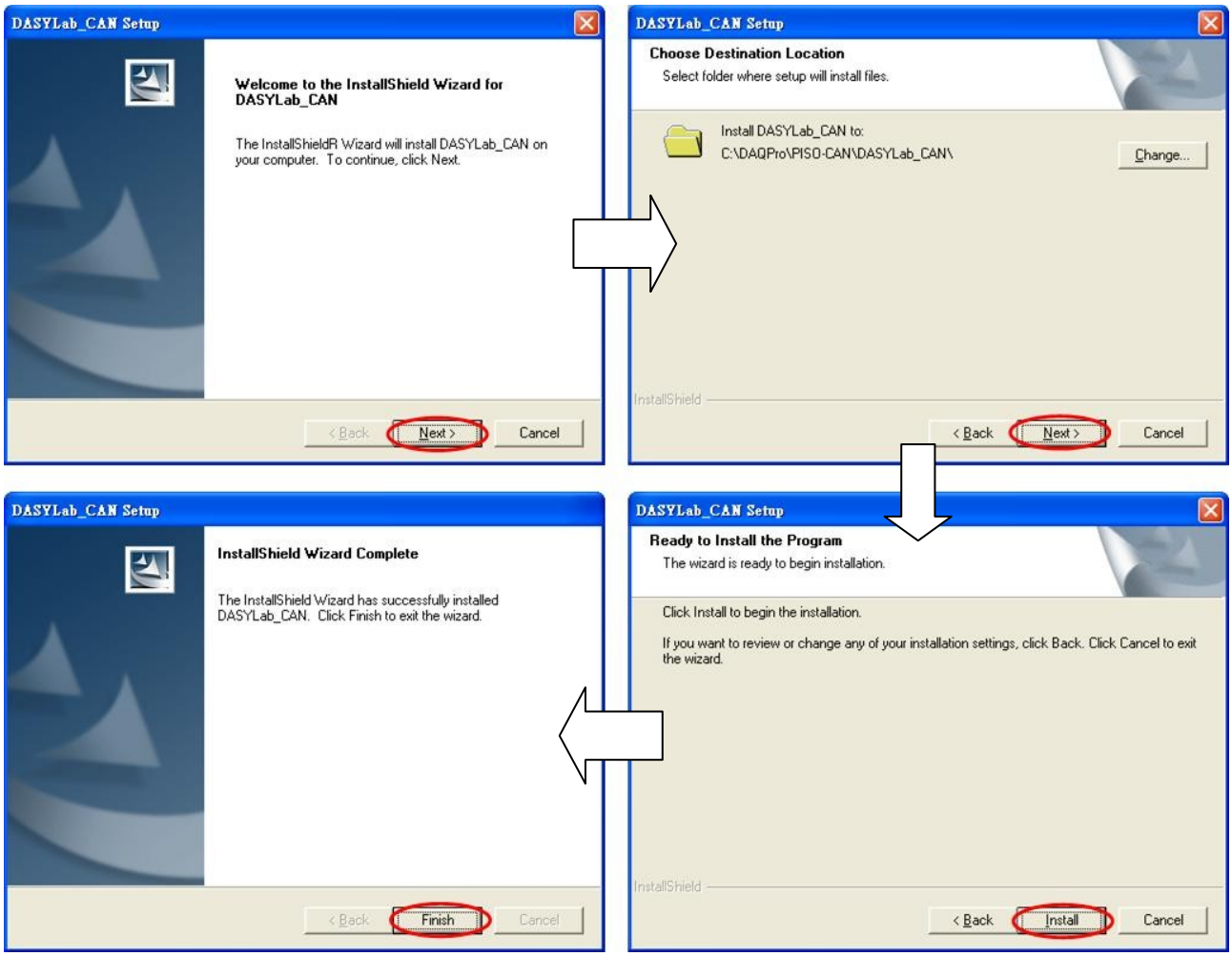
Step 3: Get the DASYLab CAN driver setup file from the web site:

http://www.icpdas.com/download/pci/piso-can/index.htm

Or in the path of the product CD:

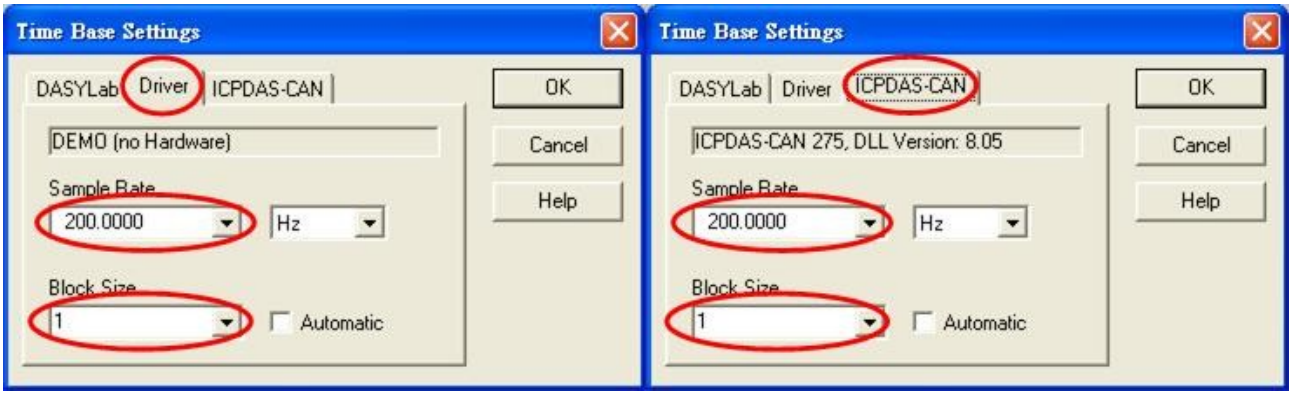
\\CAN\PCI\PISO-CAN200_400\DASYLab_CAN_driver\

Step 4: Execute the DASYLab_CAN.exe file and click “Next” to continue. In order to use default path to install the DASYLab CAN driver, click Next to next step. Then, click Install button to continue. After finish installation, click Finish button.

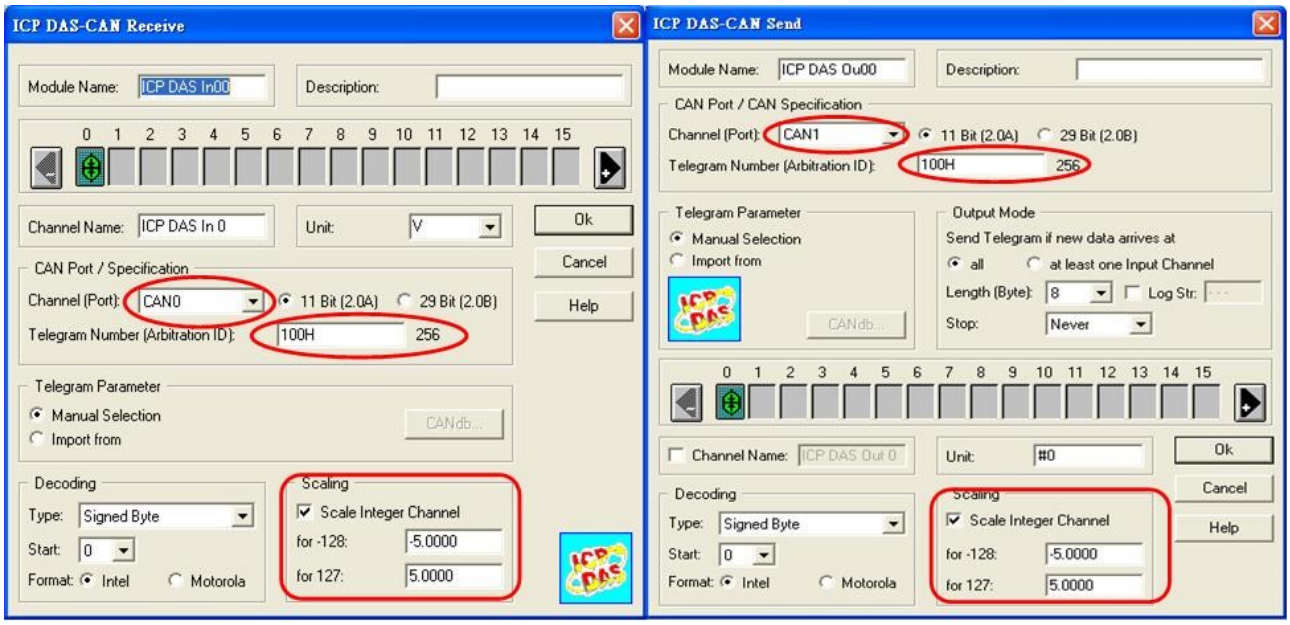


Step 5: Execute DASYLab 8.0, and click "Time Base Setup".

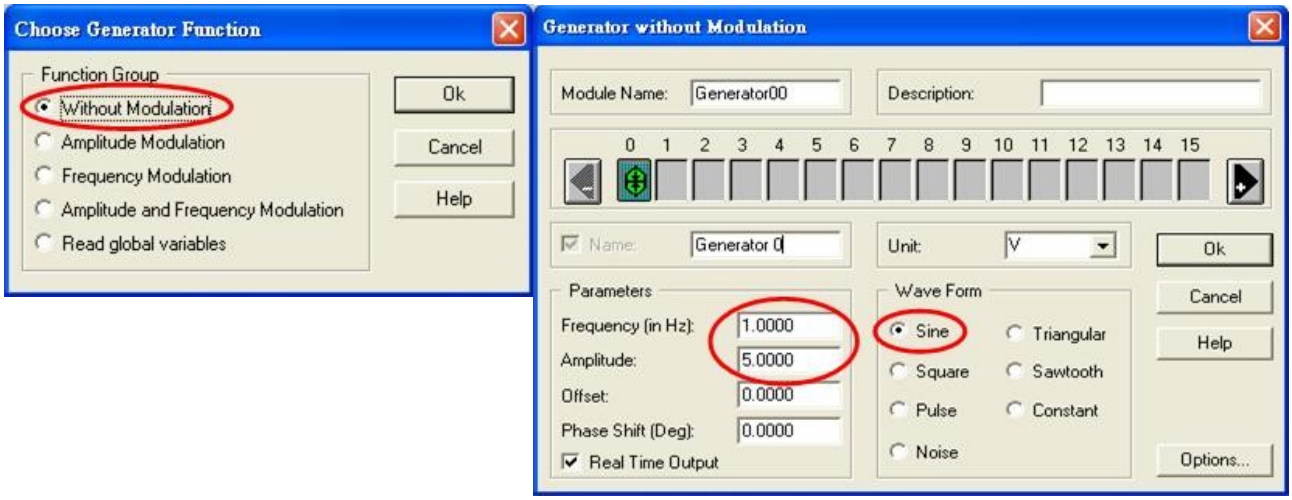
Step 6: Select the "Driver" and "ICP DAS-CAN" tab. Set the sample rate to 200Hz and block size to 1.



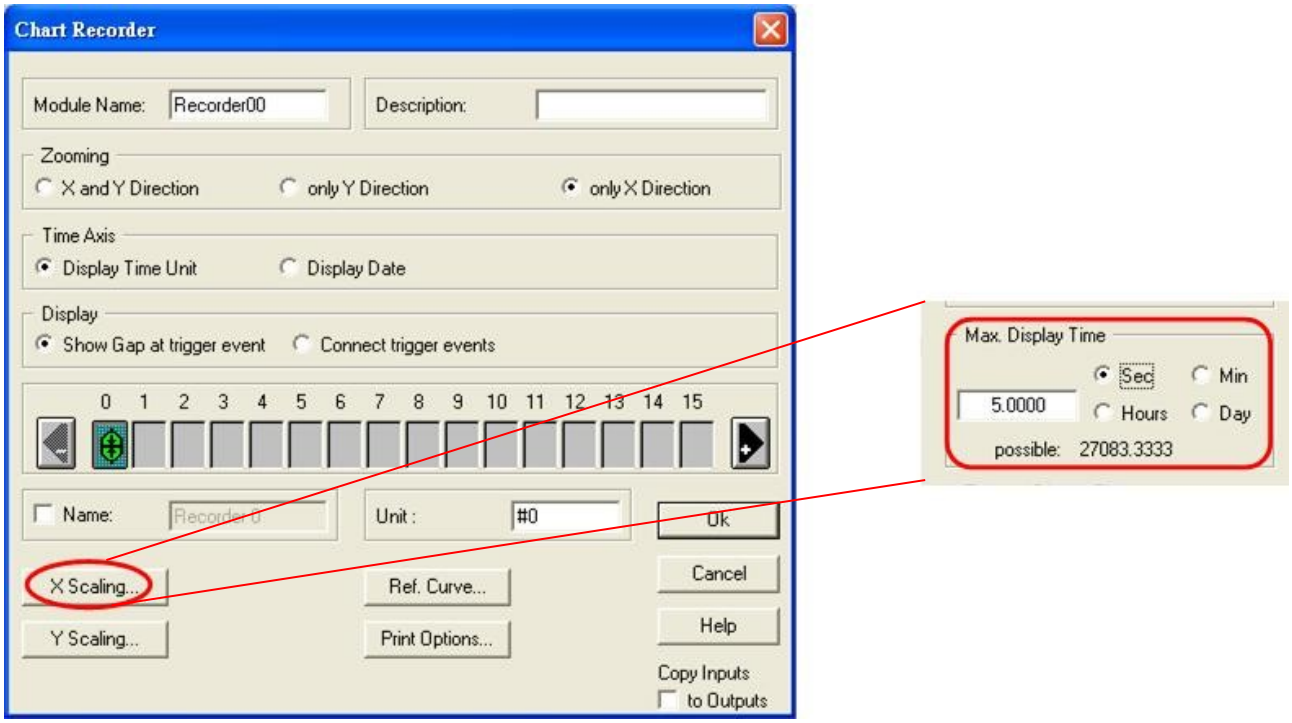
Step 7: Drag and drop a CAN Data Receive module and a CAN Data Send module on DASYLab worksheet. Double click these two modules for configuration. The arbitration id of CAN Data Receive module and CAN Data Send module is 100H. Set the CAN Port of Data Receive and Data Send module to port 0 and port1 respectively. Check their "Scale Integer Channel" check box and set the scale range from -5 to +5. All the other parameters use the default values.



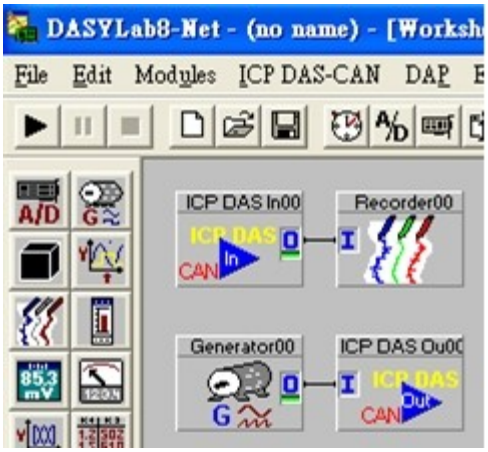
Step 8: Drag and drop a Generator module and choose "Without Modulation" function. The wave form is sine wave, the frequency is 1Hz, and the amplitude is 5.



Step 9: Then drag and drop a Recorder module and set the "Max Display Time" of "X Scaling" to 5 second.



Step 10: Connect these four modules as follows.



Step 11: Run this program and the wave form is shown below.