

DasyLab

Reference Manual for EDRE DasyLab Interface Driver Version 1.0

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1. Introduction

The EDRE DasyLab interface driver connects DasyLab to the EDRE API driver. The link makes it possible to control all boards supported by EDRE. The driver supports analog-in, analog-out, digital input and output and counter-timers.

2. Features

- Analog-In sampling at maximum speed of the board
- Analog-Out. No waveform generation possible yet.
- Digital input and output.
- Counter reads.
- Frequency out.

3. Installation

The EDRE DasyLab interface drivers is very simple to install. Follow the steps below to do the installation.

1. Copy *EDRELAB.DLL* found in the *DRIVER3P\IDASYLAB* directory to your DasyLab program directory.
2. Start DasyLab and select the *Experiment* menu and the *Select Driver* option. Select *edrelab.dll* and press OK. You must restart DasyLab for the changes to take an effect.
3. An EDRE splash screen will come up when DasyLab. This will indicate that the driver was installed correctly.
4. From the menu select *Experiment* and then *Hardware Setup*.
5. A dialog will appear where a hardware device can be selected. Please refer to the serial number on your board to select the correct installed board.
6. Open one of the appropriate EDRE demos found in the *DRIVER3P/DASYLAB/DEMO* directory. This can be used to test your installation and hardware.

4. Release Notes

- April 18, 2000

This is a full release of the EDRE DasyLab interface driver.

Please report bugs to jan@eagle.co.za.