
Subject: communication with LeCroy oscilloskop
Posted by [Dominik Wöll](#) on Thu, 22 Apr 2004 13:40:10 GMT
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Dear forum-members,

I tried to setup communication with a LeCroy 9354A Oscilloskop. I downloaded the appropriate drivers from the NI website (file LC93xx.zip). I created a folder in instr.lib called LeCroy and copied the 11 (mnu- or dll-files and dependency.txt) files into this folder. Afterwards I went to the icon "instrument I/O" -> "instrument drivers" and there was an "LC93xx" icon. After clicking on it I get some "good" icons and also some questionmarks as icons. Is this bad?

I have chosen the "getting started" icon and moved it onto the block diagram, and I get the warning shown at the end of this document. When I start this program, I get an error -1073807202 and as source "Old VISA Open in LCDSO Initialize.vi -> LC 934x_7x_8x Getting started.vi".

Can anyone help me? I am new in LabVIEW, so please try to answer as simple as possible.

remark: The communication with the LeCroy is possible in general.

Warning:

LC 935x Vertical Setup.vi

Virtual Instrument

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib_shared\lcdsob.llb\LCDSO Base Vertical Setup.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lcdsob.llb\LCDSO Base Vertical Setup.vi".

LC 935x_7x_8x Application Example.vi

Virtual Instrument

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\lc93xx\LC93xx.llb\LCDSO 935x_7x_8x (L) Timebase Setup.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lc93xx.llb\LCDSO 935x_7x_8x (L) Timebase Setup.vi".

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\lc93xx\LC93xx.llb\LC 935x Vertical Setup.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lc93xx.llb\LC 935x Vertical Setup.vi".

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\lc93xx\LC93xx.llb\LC 935x_7x_8x Trigger Edge Setup.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lc93xx.llb\LC 935x_7x_8x Trigger Edge Setup.vi".

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib_shared\lcdsob.llb\LCDSO Read Wave 1 (Single).vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lcdsob.llb\LCDSO Read Wave 1 (Single).vi".

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib_shared\lcdsoa.llb\LCDSO Auto Setup.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lcdsoa.llb\LCDSO Auto Setup.vi".

LC 935x_7x_8x Getting Started.vi

Virtual Instrument

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0

Evaluation\instr.lib\lc93xx\LC93xx.lib\LC 935x_7x_8x Application Example.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lc93xx.lib\LC 935x_7x_8x Application Example.vi".

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib_shared\lcsob.lib\LCDSO Initialize.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lcsob.lib\LCDSO Initialize.vi".

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib_shared\lcsob.lib\LCDSO Close.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lcsob.lib\LCDSO Close.vi".

LC 935x_7x_8x Trigger Edge Setup.vi

Virtual Instrument

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib_shared\lcsob.lib\LCDSO Base Trigger Edge Setup.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lcsob.lib\LCDSO Base Trigger Edge Setup.vi".

LCDSO 935x_7x_8x (L) Timebase Setup.vi

Virtual Instrument

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib_shared\lcsob.lib\LCDSO Base Timebase Setup.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lcsob.lib\LCDSO Base Timebase Setup.vi".

LCDSO Auto Setup.vi

Virtual Instrument

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib_shared\LCDSO_U.lib\LCDSO Clear SRQ Queue.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lcdso_u.lib\LCDSO Clear SRQ Queue.vi".

LCDSO Initialize.vi

Virtual Instrument

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib_shared\LCDSO_U.lib\LCDSO Utility Default Instrument Setup.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lcdso_u.lib\LCDSO Utility Default Instrument Setup.vi".

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib_shared\lcsob.lib\LCDSO Reset.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lcsob.lib\LCDSO Reset.vi".

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib_shared\LCDSO_U.lib\LCDSO Utility Clean Up Initialize.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lcdso_u.lib\LCDSO Utility Clean Up Initialize.vi".

LCDSO Read Wave 1 (Single).vi

Virtual Instrument

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib_shared\lcsob.lib\LCDSO Base Read Descriptor.vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lcsob.lib\LCDSO Base Read Descriptor.vi".

- The subVI expected to be at "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib_shared\lcsob.lib\LCDSO Base Read 1 (Single).vi" was loaded from "C:\Programme\Labview evaluation\LabVIEW 7.0 Evaluation\instr.lib\LeCroy\lcsob.lib\LCDSO

Base Read 1 (Single).vi".

Subject: Re: communication with LeCroy oscilloskop
Posted by [Herbert Pichlik](#) on Wed, 28 Apr 2004 08:29:48 GMT
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Hallo Dominik,
VIs mit Fragezeichen bedeuten, dass diese VIs nicht gefunden wurden. Die Warnings zeigen, dass die VIs aus einem anderen Verzeichnis geladen wurden als ursprünglich vorgesehen. Bei der VISA Initialize Problematik sollte man folgendes probieren:

- mass compile des ganzen Library-Verzeichnisses (TOOLS->ADVANCED->MASS COMPILE)
- ggf. nochmal die Terminals verdrahten
- ggf. VI durch aktuelles VI austauschen

Ich hoffe Dir damit geholfen zu haben.
Herzliche Grüße
Herbert

Subject: Re: communication with LeCroy oscilloskop
Posted by [Dominik Wöll](#) on Mon, 10 May 2004 21:21:39 GMT
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Hallo Herbert,

vielen Dank für die Hilfe. Inzwischen steuere ich das Oszilloskop über GPIB an wie ich es schon bei der Programmierung mit Delphi getan habe. Die Befehle kenne ich daher schon, und es funktioniert ganz gut.
Der Lernerfolg bei Labview ist wirklich erstaunlich hoch. Ich hoffe nur, dass die Programme im Blockdiagramm nicht irgendwann zu unübersichtlich werden.

Viele Grüße,
Dominik

Subject: Re: communication with LeCroy oscilloskop
Posted by [Herbert Pichlik](#) on Tue, 11 May 2004 05:21:50 GMT
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Hallo Dominik,

das sind ja gute Neuigkeiten. Es freut mich, dass Du mit LabVIEW gut zurecht kommst.

Es gibt viele Möglichkeiten LabVIEW übersichtlich zu programmieren.

Man sollte auf jeden Fall Eventstrukturen und Dynamische Events verwenden.

Viel Spaß weiterhin mit LabVIEW.

Herzliche Grüße

Herbert
