

LabWindows/CVI, VXIplug driver history for the R&S® ZNL / ZNLE Vector Network Analyzers

Products:

| R&S® ZNL / ZNLE



Driver history for LabWindows/CVI and VXIplug&play
Instrument Driver for C/C++, VEE, etc.

Table of Contents

1	Supported Instruments.....	3
2	Getting Started	4
2.1	LabWindows/CVI driver	4
2.2	VXIplug&play driver in C/C++, LabWindows/CVI	4
2.3	VXIplug&play driver in MATLAB	5
2.4	Linux and Mac OS X.....	5
2.5	Additional Help	5
3	LabWindows/CVI and VXIplug&play driver history	6

1 Supported Instruments

In the following table, the supported R&S instruments and firmware versions are listed:

Which instruments are supported?		
Current revision of instrument driver supports these instruments and firmware versions:		
Instrument	Supported Firmware	Remarks
ZNL / ZNLE	1.20	

2 Getting Started

2.1 LabWindows/CVI driver

The Rohde & Schwarz **rszn1** Instrument driver can be used in LabWindows/CVI 6 and later. In order to be able to compile an application it is required to add following files to your LabWindows/CVI project:

- *rszn1.c + rszn1.h*
- *rszn1_attributes.c + rszn1_attributes.h*
- *rszn1_utility.c + rszn1_utility.h*
- *rsidr_core.c + rsidr_core.h*
- *rszn1_callbacks.c*
- *rszn1.fp + rszn1.sub*

2.2 VXIplug&play driver in C/C++, LabWindows/CVI

In this case, the compiled source code from LabWindows/CVI driver is used. The compiled ANSI-C libraries exist for Windows XP and newer, 32-bit / 64-bit.

Add the following files to your 32-bit target project:

- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\include\rszn1.h
- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\lib\msc\rszn1.lib (static)
- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\Bin\rszn1_32.dll (dynamic)
- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\rszn1\rszn1.fp (in CVI only)
- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\rszn1\rszn1.sub (in CVI only)

Add the following files to your 64-bit target project:

- C:\Program Files\IVI Foundation\VISA\Win64\Include\rszn1.h
- C:\Program Files\IVI Foundation\VISA\Win64\Lib_x64\msc\rszn164.lib (static)
- C:\Program Files\IVI Foundation\VISA\Win64\Bin\rszn1_64.dll (dynamic)
- C:\Program Files\IVI Foundation\VISA\Win64\rszn1\rszn1.fp (in CVI only)
- C:\Program Files\IVI Foundation\VISA\Win64\rszn1\rszn1.sub (in CVI only)

2.3 VXIplug&play driver in MATLAB

MATLAB instrument driver **rszn1.mdd** can be found in:

32-bit driver

C:\Program Files (x86)\IVI Foundation\VISA\WinNT\rszn1\rszn1.mdd

64-bit driver

C:\Program Files\IVI Foundation\VISA\Win64\rszn1\rszn1.mdd

For detailed description on how to use the driver in MATLAB please refer to the Application Note [1MA171 - How to use R&S instrument in MATLAB](#)

2.4 Linux and Mac OS X

To be able to use Rohde & Schwarz **rszn1** Instrument driver in Linux or Mac OSX, the functioning VISA is required. Then, the process is the same as using LabWindows/CVI driver.

2.5 Additional Help

LabWindows/CVI and VXIplug&play instrument driver contains in addition the instrument driver documentation in compressed HTML format (Windows CHM help file **rszn1_vxi.chm**) and stored together with the driver sources or in the following folder:

32-bit driver

C:\Program Files (x86)\IVI Foundation\VISA\WinNT\rszn1\rszn1_vxi.chm

64-bit driver

C:\Program Files\IVI Foundation\VISA\Win64\rszn1\rszn1_vxi.chm

3 LabWindows/CVI and VXIplug&play driver history

rszn Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, VEE, etc.		
Revision	Date	Note
1.0.0	08/2018	Initial Release

About Rohde & Schwarz

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation, as well as secure communications. Established more than 80 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

Environmental commitment

- Energy-efficient products
- Continuous improvement in environmental sustainability
- ISO 14001-certified environmental management system



Regional contact

Europe, Africa, Middle East

+49 89 4129 12345

customersupport@rohde-schwarz.com

North America

1-888-TEST-RSA (1-888-837-8772)

customer.support@rsa.rohde-schwarz.com

Latin America

+1-410-910-7988

customersupport.la@rohde-schwarz.com

Asia/Pacific

+65 65 13 04 88

customersupport.asia@rohde-schwarz.com

R&S® is a registered trademark of Rohde & Schwarz GmbH & Co. KG; Trade names are trademarks of the owners.

Rohde & Schwarz GmbH & Co. KG

Mühlendorfstraße 15 | D - 81671 München

Phone + 49 89 4129 - 0 | Fax + 49 89 4129 - 13777

www.rohde-schwarz.com