

LabWindows/CVI, VxiPnp driver history for the R&S® AREG800 Automotive radar echo generator

Products:

| [R&S® AREG800](#)



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1 Supported Instruments

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

| Which instruments are supported? | | |
|----------------------------------|--------------------|---------------|
| Instrument | Supported Firmware | Remarks |
| AREG800 | 5.0.0 | First Release |

2 Revision History

2.1 Version 5.0.0 / 04 - 2023

- * Support for AREG800 FW 5.0.0
- * Initial Release

3 Getting Started

3.1 LabWindows/CVI driver

The Rohde & Schwarz **rsareg** 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:

- *rsareg.c* + *rsareg.h*
- *rsareg_attributes.c* + *rsareg_attributes.h*
- *rsareg_utility.c* + *rsareg_utility.h*
- *rscore.c* + *rscore.h*
- *rsareg_callbacks.c*
- *rsareg.fp* + *rsareg.sub*

3.2 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 64-bit target project:

- C:\Program Files\IVI Foundation\VISA\Win64\Include\rsareg.h
- C:\Program Files\IVI Foundation\VISA\Win64\Lib_x64\msc\rsareg64.lib (static)
- C:\Program Files\IVI Foundation\VISA\Win64\Bin\rsareg_64.dll (dynamic)
- C:\Program Files\IVI Foundation\VISA\Win64\rsareg\rsareg.fp (in CVI only)
- C:\Program Files\IVI Foundation\VISA\Win64\rsareg\rsareg.sub (in CVI only)

3.3 VXIplug&play driver in MATLAB

MATLAB instrument driver **rsareg.mdd** can be found here:

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

For more, refer to [1MA171 - How to use R&S instrument in MATLAB](#)

3.4 Linux and Mac OS X

To be able to use Rohde & Schwarz **rsareg** Instrument driver in Linux or macOS, the functioning VISA is required. Check out [R&S VISA](#) for Linux or macOS.

3.5 Additional Help

LabWindows/CVI and VXIplug&play instrument driver contains the documentation in a compressed HTML format (Windows CHM help file **rsareg_vxi.chm**):

C:\Program Files\IVI Foundation\VISA\Win64\rsareg\rsareg_vxi.chm

4 Customer support

Technical support – where and when you need it

For quick, expert help with any Rohde & Schwarz product, contact our customer support center. A team of highly qualified engineers provides support and works with you to find a solution to your query on any aspect of the operation, programming or applications of Rohde & Schwarz products.

Contact information

Contact our customer support center at www.rohde-schwarz.com/support or follow this QR code:

