

LabVIEW driver history for the R&S® ATS1800C Test Chamber Driver Documentation

Products:

| R&S® ATS1800C



Driver history for LabVIEW

Table of Contents

1	Supported Instruments.....	3
2	Installation of the LabVIEW driver	4
2.1	Installation on a Windows machine.....	4
2.2	Installation on a non-Windows machine.....	5
3	LabVIEW 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
ATS1800C	1.1+, Model K03	

2 Installation of the LabVIEW driver

Before you start the installer, please close your LabVIEW application.

2.1 Installation on a Windows machine

The driver is distributed as WinZip self-extracting executable file. Installer supported operation systems: WinXP, Win7, Win8, Win10.

Preconditions:

- LabVIEW 2010 or newer installed
- Any VISA installed – R&S VISA 5.5.4 or newer / NI VISA 10.0 or newer

When you start the driver WinZip installer, it performs the following steps:

1. Unpacking of the driver's **instr.lib** and **user.lib** directories content as well as the **Installer.vi** into a temporary folder: **C:\temp\rsats1800c-lv-1.2.0**
The driver is compiled in LabVIEW 2015 64-bit. From there you can copy it to another location or run the **Installer.vi** manually later. The content of the temporary folder is not deleted after the installation is finished. Starting the same installation again will overwrite all the data in that temporary folder.
2. After unpacking, the **Installer.vi** automatically starts in the last opened version of LabVIEW. In case you have more than one version of LabVIEW installed on your machine, make sure that the last opened LabVIEW version is the one in which you want to install the driver. If that is not the case, cancel the installation, open and close your desired LabVIEW version and run the installer again. You can have the driver installed parallel for more LabVIEW versions by repeating the installation process for each desired version.
3. On the installer options page you can change the location of the **instr.lib** part of the driver. **user.lib** part must be placed in the default location, otherwise the Express VI configuration will not properly function.
Hitting **Next** button will first delete the old driver (if it existed), copy the new driver and mass-compile it.
4. If you have an older rsidr_toolbox, the installer updates it to the last version.
5. The LabVIEW is closed and after starting it again, the driver is ready for use.

2.2 Installation on a non-Windows machine

In case you would like to install the driver on a non-Windows machine, use a Windows machine to start the driver's WinZip self-extracting executable file. **This machine does not need to have LabVIEW installed.**

After the **Step 1** (see the chapter 2.1), copy the content of the temporary folder to your target machine and start the **Installer.vi** manually.

From that point onwards, the installation process is the same as described in Steps 2, 3, 4 and 5.

3 LabVIEW driver history

LabVIEW Instrument Driver		
Driver history		
Revision	Date	Note
1.2.0	09/2021	<ul style="list-style-type: none">* Switched to LabVIEW 2015, Silver Style Front Panels* Added features for Model K03 - Feed switcher, temperature, DUT power, Elevation Trigger.
1.1.0	02/2020	<ul style="list-style-type: none">* Fixed missing links to detailed *.chm documentation in all hi-level VIs* All float formatting fixed to %0.2f, otherwise the instrument reports value out of range by value 0* Configure Azimuth Offset.vi, Configure Elevation Offset.vi - fixed formatting of parameter from %d to %0.2f* Added Wait for Azimuth Movement Stop.vi, Wait for Elevation Movement.vi* Improved the example ATS1800C_Example.vi
1.0.0	01/2020	First Release

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