

LabVIEW driver history for the R&S® Power Supplies Driver Documentation

Products:

| R&S® HMC804x



| R&S® NGE10x



Driver history for LabVIEW

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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?		
Current revision of instrument driver supports these instruments and firmware versions:		
Instrument	Supported Firmware	Remarks
HMC804x	1.400	
NGE10x	1.40	

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 a 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 5.4 or newer

When you start the driver WinZip installer, the following steps are being performed:

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\rshmc804x-lv-1.7.1**
The driver is compiled in LabVIEW 2010 32-bit. From there you can copy 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 the data in this temporary folder.
2. After unpacking, the **Installer.vi** is automatically started 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 use the driver. If that is not the case, cancel the installation at this point, 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 have a choice to uncheck the **Mass-compiling** option (**not recommended, because of the driver's performance penalty as well as VIs opening times**) and 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 function.
On this page, you also see the actual LabVIEW version.
Hitting **Next** button will first delete the old driver (if it existed), copy the new driver and mass-compile it.
4. 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** from the previous chapter is finished, 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 the previous chapter Steps 2, 3, and 4.

3 LabVIEW driver history

Rshmc804x Instrument driver		
LabVIEW driver history		
Revision	Date	Note
1.7.1	04/2020	<ul style="list-style-type: none"> - Fixed occasional Query Interrupted error - New Core 6.60.0 - Visa Timeout changed from 30 seconds to 10 seconds
1.5.1	04/2018	<ul style="list-style-type: none"> - Make sure you use this instrument driver with HMC804x firmware 1.400 (12/2017) or newer - Improved performance for NGE10x and HMC804x instruments over LAN, GPIB, USB-TMC - New driver Core 6.10
1.5.0	12/2017	<ul style="list-style-type: none"> - Initialize.vi, Initialize with Options.vi, Close.vi and Utility VIs have new VI icons - Configure Output.vi - changed SCPI command for NGE10x models - Configure Channel Only Enabled.vi, Configure Master Output Enabled.vi - added compatibility with NGE10x
1.4.0	03/2017	* Added support for NGE10x
1.3.0	02/2017	<ul style="list-style-type: none"> * New driver core version 6.3.1 * Fixed Query Interrupted error messages when using PCI-GPIB interface * New Palette Icon * All VISA resource name inputs are set to mandatory * Cleaned up all Front Panels and Block Diagrams
1.2.0	04/2016	<ul style="list-style-type: none"> * New VIs: <ul style="list-style-type: none"> - Bin Data From File To Instrument.vi - Bin Data To File From Instrument.vi - Clear Status.vi - ID Query Response.vi - Process All Previous Commands.vi - Query OPC.vi * Modified: <ul style="list-style-type: none"> - Configure All Output Enabled.vi - renamed to Configure Channel Only Enabled.vi, added parameter Channel - RSHMC804X_ATTR_OUTPUTS_SELECT_ALL_CHANNEL - renamed to RSHMC804X_ATTR_CHANNEL_ONLY_ENABLED - RSHMC804X_ATTR_CHANNEL_ONLY_ENABLED - added *WAI to force synchronization
1.0.1	01/2015	<ul style="list-style-type: none"> * Modified: <ul style="list-style-type: none"> - Added support for QuickDrop SCPI command searcher - Outputs/Selected Channel (RSHMC804X_ATTR_OUTPUTS_SELECTED_CHANNEL) - added *WAI to force synchronization - Outputs/Enabled (RSHMC804X_ATTR_OUTPUTS_ENABLED) - added *WAI to force synchronization - Fixed USB-TMC communication
1.0.0	02/2014	Initial release

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