

LabVIEW driver history for the R&S® Arbitrary Generators

Products:

| HMF2550 / HMF2525



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:

HMF2525	2.301	
HMF2550	2.301	

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 2015 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\hmf2500-lv-2.0.0**
The driver is compiled in LabVIEW 2010 32-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

rsngx Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
2.0.0	02/2021	Converted to LV2015 Core 6.72 New FPs with silver-style controls Added missing hmf2500 Send Software Trigger.vi Fixed hmf2500 Configure RF.vi setting HMF2500_ATTR_POWER_LEVEL Fixed hmf2500 Configure Power Level Offset.vi setting HMF2500_ATTR_POWER_LEVEL_OFFSET Added new Utility VIs Added hmf2500 Configure Arb Data as Waveform for adding waveform as double array of floats Added hmf2500 Configure Arb Data Modulation as Waveform for adding waveform as double array of floats
1.1.1	02/2016	Converted to LV2010 Minor help corrections hmf2500 Configure Square Duty Cycle.vi -corrected attribute settings
1.1.0	06/2011	Update for firmware version 1.1.xx Added VIs/attributes Updated functions/attributes.vi hmf2500 Configure Square Width.vi hmf2500 Configure Ramp Edge Time.vi hmf2500 Configure Trigger Slope.vi hmf2500 Configure Sweep Marker Style.vi hmf2500 Configure Display Trace.vi hmf2500 Configure Display.vi hmf2500 Configure Arb Data Modulation.vi hmf2500 Save Arb Data.vi hmf2500 System Info.vi hmf2500 Query Hardcopy Data.vi hmf2500 Configure Hardcopy Format.vi hmf2500 Query Hardcopy Size.vi hmf2500 Configure RF.vi hmf2500 Configure Modulation Shape.vi hmf2500 Configure Arb Function.vi
1.0.0	06/2011	Initial release

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