

IVI.NET driver history for the R&S® Power Supplies

R&S® HMC804x



R&S® NGE10x



R&S® NGA



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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
HMC804x	1.400	
NGE10x	1.57	
NGA	4.008	

2 Revision history

Version 2.1.1 / 01 – 2024

- * New core 3.13.0
- * Fixed:
 - Fixed inconsistency of channel settings after reset.
 - For NGE devices, added querying of Instrument Options.
 - Fixed wrong selection of the channel 1 in IVI Interface IIVI DCPwr.Outputs

Version 2.1.0 / 07 – 2023

- * New Core 3.10.0
- * Identification recognition fixed
- * Modified:
 - RsHmc804x_rngQueriedOutputMode (RSHMC804X_ATTR_QUERY_MODE) - range table value changed from RSHMC804X_VAL_OUTPUT_MODE_VC - VC, to RSHMC804X_VAL_OUTPUT_MODE_CV

Version 2.0.0 / 12 – 2021

- * New Core 3.3.0
- * Added NGA support
- * New properties/methods:
 - RsHmc804x.Outputs.ChannelFusion
 - RsHmc804x.Outputs.Mode
 - RsHmc804x.Outputs.QueryMode
 - RsHmc804x.Outputs.VoltmeterEnabled
 - RsHmc804x.Outputs.QueryVoltmeterValue
 - RsHmc804x.GeneralInstrumentSettings.System.Options
 - RsHmc804x.GeneralInstrumentSettings.System.DeviceFootPrint

Version 1.7.4 / 09 – 2021

- * New Core 3.2.0
- * Fixed driver.Outputs[].ConfigureRange() – for RangeType.Voltage the driver performs no action, since the Voltage ranges are not supported by the instrument

Version 1.7.3 / 04 – 2021

- * New Core 2.14.1
- * Fixed critical driver initialization error when Option Checking is ON

Version 1.7.2 / 02 – 2021

- * New core 2.13.0
- * There is only one universal driver assembly compiled for AnyCPU. You can use it for 32-bit, 64-bit, or AnyCPU builds.

Version 1.7.1 / 04 - 2020

- Fixed occasional Query Interrupted error
- New Core 2.9.1
- Changed OPC timeout from 5 seconds to 10 seconds

Version 1.7.0.0 / 11 – 2019

- * New Core 2.8.0.0
- Support for Virtual Names from Ivi Config Store
- Installer fills out Physical Names of Driver SW Module in Ivi Config Store
- Fixed Published APIs in Ivi Config Store

Version 1.6.0.0 / 04 – 2019

- New Core 2.4.0.0
- fixed dependency on Windows Regional decimal point settings.
- Added Ivi-mandatory members to _driver.System
- Changed interface IRsHmc804xUtilityFunctions:
 - Removed WriteToInstrument (replaced with _driver.System.WriteString)
 - Removed ReadInstrumentData (replaced with _driver.System.ReadString)
 - Removed ReadBinaryBlockToStream (Replaced with _driver.System.ReadBytes)
 - Removed ErrorMessage

Version 1.5.1 / 04 – 2018

- 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

Version 1.5.0 / 12 – 2017

- IVI.NET Shared components 1.4.0 referenced
- Fixed Outputs.Configure(), Outputs.ChannelOnlyEnabled, Outputs.MasterEnabled for NGE10x instruments

Version 1.4.0 / 03 – 2017

- * Added support for NGE10x

Version 1.3.0 / 02 – 2017

- * Added additional delay before each viRead and viWrite. Default value is set to 50ms, but can be changed during initialization using option string. Use syntax i.e.

"Simulate=0,DriverSetup=(WriteDelay=100,ReadDelay=50)"

- * Installer compliant with IVI 3-17:

- side-by-side installation - more driver versions can be installed at the same time, older versions must be uninstalled manually

- installation paths changed

64-bit driver installation path: "c:\Program Files\IVI
Foundation\IVI\Microsoft.NET\Framework64\v4.0.30319\RohdeSchwarz.RsHmc804x 1.3.0.0"

32-bit driver installation path: "c:\Program Files (x86)\IVI
Foundation\IVI\Microsoft.NET\Framework32\v4.0.30319\RohdeSchwarz.RsHmc804x 1.3.0.0"

- *WAI sync replaced by *OPC? sync

Version 1.2.0 / 04 – 2016

- * New class driver.UtilityFunctions

- * Modified:

- Outputs.SelectAllChannel - renamed to Outputs.ChannelOnlyEnabled, added *WAI to force synchronization

Version 1.0.1 / 01 – 2015

- * Modified:

- Outputs.SelectedChannel - added *WAI to force synchronization

- Outputs.Enabled - added *WAI to force synchronization

Version 1.0.0 / 02 – 2014

- * Initial release

3 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:

