

LabWindows/CVI, VXIplugin driver history for the R&S® Power Supplies Driver Documentation

Products:

| R&S® HMC804x



| R&S® NGE10x



Driver history for LabWindows/CVI and
VXIplugin Instrument Driver for
C/C++, VEE, etc.

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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 LabWindows/CVI and VXIplug&play driver history

rshmc804x Instrument driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, VEE, etc.		
Revision	Date	Note
1.7.1	04/2019	<ul style="list-style-type: none"> - New core 3.7.0 * Fixed - Fixed sporadic QUERY INTERRUPTED errors with HMC804x series - Fixed init problem when compiled in LabWindows/CVI - Improved help for rshmc804x_init(), rshmc804x_InitWithOptions() - Optimized help texts for status codes - Changed OPC timeout from 5 seconds to 10 seconds
1.6.1	09/2019	<ul style="list-style-type: none"> - New core 3.6.1 * Fixed - rshmc804x_InitWithOptions() - skipping *OPT? which is not supported by all the instruments * Modified: - Text Formatting of the driver header and source file - minor changes
1.6.0	04/2019	<ul style="list-style-type: none"> - New core 3.4.0 - Changed USB and GPIB interface properties to Non-VXI * New: - rshmc804x_GetAttributeRepCapName - rshmc804x_ConfigureAutoSystemErrQuery - rshmc804x_ConfigureMultiThreadLocking - rshmc804x_SetOPCTimeout - rshmc804x_GetOPCTimeout
1.5.2	11/2018	<ul style="list-style-type: none"> * Modified: - rshmc804x_OutputEnabled_WriteCallback - bug fixed
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
1.5.0	12/2017	<ul style="list-style-type: none"> - rshmc804x_ConfigureOutput - changed SCPI command for NGE10x models - rshmc804x_ConfigureChannelOnlyEnabled, rshmc804x_ConfigureMasterOutputEnabled - added compatibility with NGE10x
1.4.1	08/2017	<ul style="list-style-type: none"> Bug fixes: - rshmc804x_close - rshmc804x_QueryViBoolean - rshmc804x_QueryViInt32 - rshmc804x_QueryViReal64 - rshmc804x_QueryViString

rshmc804x Instrument driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, VEE, etc.		
Revision	Date	Note
1.4.0	03/2017	* Added support for NGE10x
1.3.0	02/2017	<p>* 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. "WriteDelay=100,ReadDelay=50"</p> <p>* New:</p> <ul style="list-style-type: none"> - rshmc804x_SetVISATimeout - rshmc804x_GetVISATimeout <p>* Modified:</p> <ul style="list-style-type: none"> - *WAI sync replaced by *OPC? sync
1.2.0	04/2016	<ul style="list-style-type: none"> - rshmc804x_ClearStatus - rshmc804x_IDQueryResponse - rshmc804x_ProcessAllPreviousCommands - rshmc804x_QueryOPC <p>* Modified:</p> <ul style="list-style-type: none"> - rshmc804x_ConfigureAllOutputEnabled - renamed to rshmc804x_ConfigureChannelOnlyEnabled, 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
1.02	01/2015	<p>* Added MATLAB custom driver</p> <p>* Added MATLAB snippet codes to functions and attributes help file</p> <p>* Modified:</p> <ul style="list-style-type: none"> - RSHMC804X_ATTR_OUTPUTS_SELECTED_CHANNEL - added *WAI to force synchronization - RSHMC804X_ATTR_OUTPUTS_ENABLED - added *WAI to force synchronization - Fixed USB-TMC communication
1.01	10/2014	Fixed value of RSHMC804X_ATTR_ID_QUERY_RESPONSE attribute causing driver initialization to fail
1.0.0	02/2014	Initial release

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