

LabWindows/CVI, VXIplug driver history for the R&S® I/Q UWB Modulation Signal Generators Driver Documentation

Products:

| R&S® AFQ100A



| R&S® AFQ100B



Driver history for LabWindows/CVI and
VXIplug&play Instrument Driver for
C/C++, VEE, etc.

Table of Contents

2	Supported Instruments.....	3
3	LabWindows/CVI and VXIplug&play History	4

2 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
AFQ100A	2.09	
AFQ100B	2.09	

3 LabWindows/CVI and VXIplug&play History

rsafq Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
2.09.02	04/2015	<ul style="list-style-type: none"> * 64-bit version made available * Added MATLAB custom driver * Added MATLAB snippet codes to functions help file
2.09.01	11/2008	Bug fixed: input slope values switched (NEGative/POSitive) - affected functions: rsafq_ConfigureTrigger rsafq_ConfigureSegmentTrigger rsafq_ConfigureClock rsafq_SetInstrumentTriggerInputSlope rsafq_GetInstrumentTriggerInputSlope rsafq_SetSegmentTriggerInputSlope rsafq_GetSegmentTriggerInputSlope rsafq_SetClockInputSlope rsafq_GetClockInputSlope rsafq_SetDigitalOutputClockSlope rsafq_GetDigitalOutputClockSlope
2.09.00	10/2008	Driver update for AFQ100A Firmware 2.09.285.20 Modifications: New functions: rsafq_ARBWaveformResample rsafq_GetARBWaveformResampleFrequency rsafq_SetTSIGSampleClock rsafq_GetTSIGSampleClock rsafq_ConfigureTSIGSine rsafq_GetTSIGSineResultingFrequency rsafq_GenerateTSIGSine rsafq_SetTSIGSineSamplesPerPeriod rsafq_GetTSIGSineSamplesPerPeriod rsafq_SetTSIGSinePhaseOffsetQ rsafq_GetTSIGSinePhaseOffsetQ rsafq_ConfigureTSIGRectangular rsafq_GenerateTSIGRectangular rsafq_SetTSIGRectangularSamplesPerPeriod rsafq_GetTSIGRectangularSamplesPerPeriod rsafq_SetTSIGRectangularAmplitude

rsafq Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rsafq_GetTSIGRectangularAmplitude rsafq_SetTSIGRectangularOffset rsafq_GetTSIGRectangularOffset rsafq_ConfigureTSIGTableSineCommon rsafq_ConfigureTSIGTableSine rsafq_GetTSIGTableSineResultingFrequency rsafq_GenerateTSIGTableSine rsafq_SetTSIGTableSineLength rsafq_GetTSIGTableSineLength rsafq_SetTSIGTableSineOffset rsafq_GetTSIGTableSineOffset rsafq_SetTSIGTableSinePeriods rsafq_GetTSIGTableSinePeriods rsafq_SetTSIGTableSineAmplitude rsafq_GetTSIGTableSineAmplitude rsafq_SetTSIGTableSinePhase rsafq_GetTSIGTableSinePhase rsafq_ConfigureTSIGPattern rsafq_GenerateTSIGPattern rsafq_SetTSIGPatternI rsafq_GetTSIGPatternI rsafq_SetTSIGPatternQ rsafq_GetTSIGPatternQ rsafq_SetTriggerCount rsafq_GetTriggerCount rsafq_SetSegmentTriggerCount rsafq_GetSegmentTriggerCount rsafq_SetMarkerList rsafq_GetMarkerList rsafq_GetClockWidebandMode rsafq_SetROSCDelay rsafq_GetROSCDelay rsafq_SetDigitalOutputClockSlope rsafq_GetDigitalOutputClockSlope rsafq_CalibrationAnalogOutputDelay Modified functions: rsafq_ConfigureMarkerMode rsafq_SetMarkerMode rsafq_GetMarkerMode rsafq_SetAnalogOutputType

rsafq Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rsafq_GetAnalogOutputType rsafq_SetAnalogOutputUnbalancedAmplitude rsafq_GetAnalogOutputUnbalancedAmplitude rsafq_SetAnalogOutputUnbalancedIOffset rsafq_GetAnalogOutputUnbalancedIOffset rsafq_SetAnalogOutputUnbalancedQOffset rsafq_GetAnalogOutputUnbalancedQOffset rsafq_revision_query
2.04.00	04/2007	Driver update for AFQ100A Firmware 2.04 Added support for transfer of huge files to AFQ: rsafq_writeHugeFileStart rsafq_contHugeFile New functions: rsafq_SetNextWaveformSegmentMode rsafq_GetNextWaveformSegmentMode rsafq_SetROSCSynchronizationMode rsafq_GetROSCSynchronizationMode rsafq_DIAGnosticModules rsafq_optionCheckState Modified functions: rsafq_writeFromFile rsafq_ConfigureSegmentTrigger rsafq_defaultInstrSetup rsafq_ConfigureAnalogOutput rsafq_SetAnalogOutputUnbalancedAmplitude rsafq_GetAnalogOutputUnbalancedAmplitude rsafq_SetAnalogOutputBalancedAmplitude rsafq_GetAnalogOutputBalancedAmplitude rsafq_ConfigureDigitalOutput rsafq_SetARBState rsafq_GetARBState rsafq_SetMultiSegmentTriggerMode rsafq_GetMultiSegmentTriggerMode rsafq_SetDigitalOutputClockRate (returns Function not supported) rsafq_GetDigitalOutputClockRate (returns Function not supported) rsafq_SetDigitalOutputClockSource (returns Function not supported) rsafq_GetDigitalOutputClockSource (returns Function not supported) rsafq_SetAnalogOutputImpedance (returns Function not supported)

rsafq Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rsafq_GetAnalogOutputImpedance (returns Function not supported) rsafq_DEVicePreset (returns Function not supported) Removed functions: rsafq_SetSYSTEMDate rsafq_GetSYSTEMDate rsafq_SetSYSTEMTime rsafq_GetSYSTEMTime
1.0	09/2006	Initial revision

About Rohde & Schwarz

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation, as well as secure communications. Established more than 80 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

Environmental commitment

- Energy-efficient products
- Continuous improvement in environmental sustainability
- ISO 14001-certified environmental management system



Regional contact

Europe, Africa, Middle East

+49 89 4129 12345

customersupport@rohde-schwarz.com

North America

1-888-TEST-RSA (1-888-837-8772)

customer.support@rsa.rohde-schwarz.com

Latin America

+1-410-910-7988

customersupport.la@rohde-schwarz.com

Asia/Pacific

+65 65 13 04 88

customersupport.asia@rohde-schwarz.com

R&S® is a registered trademark of Rohde & Schwarz GmbH & Co. KG; Trade names are trademarks of the owners.

Rohde & Schwarz GmbH & Co. KG

Mühl Dorfstraße 15 | D - 81671 München

Phone + 49 89 4129 - 0 | Fax + 49 89 4129 - 13777

www.rohde-schwarz.com