

LabWindows/CVI, VXIplug driver history for the R&S® SGS100A SGMA Family RF Source

Products:

| R&S® SGS100A



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

Table of Contents

1	Supported Instruments.....	3
2	LabWindows/CVI and VXIplug&play driver history.....	4

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
SGS100A	3.50.xxx	

2 LabWindows/CVI and VXIplug&play driver history

rssgs Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, etc.		
Revision	Date	Note
1.6.2	09/2016	Driver bug fixes
1.6.1	08/2016	<ul style="list-style-type: none"> * New functions - rssgs_SetFrequencyOffset - rssgs_GetFrequencyOffset - rssgs_SetLevelOffset - rssgs_GetLevelOffset
1.6.0	04/2016	<ul style="list-style-type: none"> * New subsystems - Power Sensor * New functions - rssgs_ConfigurePowerSensorDisplay - rssgs_ConfigurePowerSensorZero - rssgs_ConfigurePowerSensorSource - rssgs_ConfigurePowerSensor - rssgs_ConfigurePowerSensorApertureTime - rssgs_ConfigurePowerSensorSense - rssgs_SetInitiatePowerMeasurement - rssgs_GetInitiatePowerMeasurement - rssgs_SetPowerUseSParameters - rssgs_GetPowerUseSParameters - rssgs_SetPowerLoggingState - rssgs_GetPowerLoggingState - rssgs_SetPowerDefaultTime - rssgs_GetPowerDefaultTime - rssgs_SetPowerApertureTime - rssgs_GetPowerApertureTime - rssgs_SetPowerFrequency - rssgs_GetPowerFrequency - rssgs_SetPowerOffset - rssgs_GetPowerOffset - rssgs_SetPowerOffsetState - rssgs_GetPowerOffsetState - rssgs_SetPowerSensorUnit - rssgs_GetPowerSensorUnit - rssgs_SetPowerDisplayPermanentState

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		<ul style="list-style-type: none"> - rssgs_GetPowerDisplayPermanentState - rssgs_SetPowerDisplayPermanentPriority - rssgs_GetPowerDisplayPermanentPriority - rssgs_ConfigurePowerFilter - rssgs_SetPowerFilterLength - rssgs_GetPowerFilterLength - rssgs_SetPowerFilterMode - rssgs_GetPowerFilterMode - rssgs_SetPowerFilterFixedNoiseContent - rssgs_GetPowerFilterFixedNoiseContent - rssgs_SetPowerFilterFixedNoiseTimeout - rssgs_GetPowerFilterFixedNoiseTimeout - rssgs_GetPowerFilterLengthAuto - rssgs_PowerFilterSearchOnce - rssgs_PowerSensorDevice - rssgs_PowerSensorType - rssgs_PowerReadPower - rssgs_PowerSensorVersion - rssgs_PowerSensorSerialNumber
1.5.0	09/2015	<ul style="list-style-type: none"> * New functions: - rssgs_GetFastSettings - rssgs_enumerate_socket_devices
1.3.1	06/2015	<ul style="list-style-type: none"> *Fixed: - fixed bug in visa abstraction layer
1.3.0	08/2014	<ul style="list-style-type: none"> * New subsystems - Correction subsystem * New functions - rssgs_SetFormatStatusRegisterData - rssgs_GetFormatStatusRegisterData - rssgs_SetFormatByteOrder - rssgs_GetFormatByteOrder
1.2.1	09/2013	<ul style="list-style-type: none"> * New - rssgs_GetCalibrationSynthesisTemperature - rssgs_GetCalibrationIQTemperature - rssgs_GetCalibrationLevelTemperature - rssgs_Set/GetCalibrationExtensionOnlyState - rssgs_Set/GetROSCCalibrationDataMode - rssgs_ExtensionSend - rssgs_ExtensionQuery

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Revision	Date	Note
		<ul style="list-style-type: none"> - rssgs_MemoryHeapFree - rssgs_MMEMoryCatalogLength - rssgs_MMEMoryDirectoryCatalogLength - rssgs_MMEMoryLoadState - rssgs_MMEMoryStoreState - rssgs_SYSTemHislipResource - rssgs_NetworkRestart - rssgs_SYSTemPCleResource - rssgs_Set/GetSerialBaudRate - rssgs_Set/GetSerialParity - rssgs_SYSTemSerialResource - rssgs_Set/GetSerialStopBits - rssgs_SYSTemSocketResource - rssgs_GetSYSTemUserMemoryPath - rssgs_GetSYSTemOperatingSystem - rssgs_GetLevelLowerRange - rssgs_GetLevelUpperRange - rssgs_Set/GetPULMDelay - rssgs_SetPULMDoubleDelay - rssgs_Set/GetPULMDoubleWidth - rssgs_Set/GetPULMMode - rssgs_Set/GetPULMPeriod - rssgs_confPulm * Modified - rssgs_SetFrequency - rssgs_SetROSCExternalSyncBandwidth - rssgs_GetROSCExternalSyncBandwidth - rssgs_SetLevel - rssgs_GetLevel - rssgs_CALibrationIQModulator - rssgs_CALibrationIQModulatorForCurrentFrequency - rssgs_SetTrigConnectorOpMode - rssgs_GetTrigConnectorOpMode - Extensions class * Removed - rssgs_SetLevelAttenuation - rssgs_GetLevelAttenuatorStage - rssgs_DIAGnosticModuleNames - rssgs_DevicePreset - rssgs_Set/GetRemoteOperationMode

rssgs Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, etc.		
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		<ul style="list-style-type: none"> - rssgs_SYSTEMShutdown - rssgs_GetSYSTEMSwFirmwarePackages - rssgs_GetSYSTEMSwFirmwareVersions - rssgs_SYSTEMClearErrorHistory - rssgs_GetSYSTEMDataSheetCatalog - rssgs_GetSYSTEMDataSheetParameter - rssgs_GetSYSTEMDataSheetVersion - rssgs_GetSYSTEMDataSheetData - rssgs_Set/GetVelocityUnits - rssgs_GetBasebandPaths - rssgs_PresetSignalPath
1.2.0	06/2013	<p>New subsystems</p> <ul style="list-style-type: none"> - Extension subsystem <p>* Modified functions</p> <ul style="list-style-type: none"> - rssgs_GetRFState - viFastQuerySupported - rssgs_GetFrequency - viFastQuerySupported - rssgs_GetLevel - viFastQuerySupported - rssgs_GetIQModulatorState - viFastQuerySupported - rssgs_GetIQWideband - viFastQuerySupported <p>* New functions</p> <ul style="list-style-type: none"> - rssgs_SetLevelALCDensity - rssgs_GetLevelALCDensity - rssgs_SetLevelAttenuation - rssgs_GetLevelAttenuation - rssgs_GetLevelAttenuatorStage
1.1.0	09/2012	<p>Modified functions</p> <ul style="list-style-type: none"> - All comands in help changed to uniform notation, given by the xsg file - rssgs_ConfigureReferenceOscillator - command string in help changed EF10M, OF10M>> 10MHZ - rssgs_SetROSCReferenceOutputFrequency - command string in help changed EF10M >> 10MHZ - rssgs_SetROSCExternalReferenceFrequency - command string in help changed OF10M >> 10MHZ - rssgs_SetLevelMode - command string changed - LNO, LDIS >> LOWN, LOWD - rssgs_GetLevelMode - command string changed - LNO, LDIS >> LOWN, LOWD - rssgs_ConfigureLevelSettings - "User" charactersics added, CWSW>>CVSW - rssgs_SetLevelSettingCharacteristic - "User" charactersics added, CWSW>>CVSW - rssgs_GetLevelSettingCharacteristic - "User" charactersics added, CWSW>>CVSW - rssgs_SetIQModulatorState - command changed in help SOUR:MOD:STAT >> SOUR:IQ:STAT - rssgs_GetIQModulatorState - command changed in help SOUR:MOD:STAT >> SOUR:IQ:STAT - rssgs_SetIQWideband - command changed in help [:SOURce:]IQ:IMP:IQWB >> SOUR:IQ:WBST - rssgs_GetIQWideband - command changed in help [:SOURce:]IQ:IMP:IQWB >> SOUR:IQ:WBST - rssgs_ConfigureIQ - SOUR:MOD:STAT >> SOUR:IQ:STAT, [:SOURce:]IQ:IMP:IQWB >>

rssgs Instrument Driver		
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Revision	Date	Note
		SOUR:IQ:WBST - rssgs_SetFrequency - max value changed - rssgs_SetIQWideband - fast command - rssgs_ConfigureLevelSettings - command strings * New functions - rssgs_GetPeakEnvelopePower - rssgs_SetIQCrestFactor - rssgs_GetIQCrestFactor - rssgs_SetSYSTEMEcoMode - rssgs_GetSYSTEMEcoMode - rssgs_SetTestKeyboardState - rssgs_GetTestKeyboardState - rssgs_Standby - rssgs_Restart * Removed Functions - All functions in Extensions class: - rssgs_ConfigureExtension - rssgs_Set/GetExtensionState - rssgs_Set/GetExtensionHardwareChannel - rssgs_Set/GetExtensionInstrumentName - rssgs_Set/GetExtensionSerialNumber - rssgs_GetExtensionRemoteState - rssgs_GetExtensionBusyState
1.0.1	10/2011	* Cosmetic updates of documentation
1.0.0	11/2010	Initial release

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



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