

History and release notes for the Rohde&Schwarz Signal Generator R&S[®] SMR

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SMR driver history		
Revision	Date	Note
1.2.5	02/2008	<p>Modifications:</p> <ul style="list-style-type: none"> - New functions: rssmr_setRFLevelIncrement rssmr_setRfLevelUnit rssmr_getFreqCorrPoints rssmr_setALCSlope rssmr_setRfBlankingBehaviorSync rssmr_setRfBlankingBehavior rssmr_setPulseTrigLevel rssmr_setLevCalState rssmr_getRefOscCalVal rssmr_storeRefOscCalVal rssmr_setListBlankingBehavior rssmr_calibration rssmr_utilSystemKeylock rssmr_utilSetDisplayUpdate - Removed functions: rssmr_setSeqMode rssmr_selSequence rssmr_deleteSequence rssmr_deleteAllSequence rssmr_getListOfSequence rssmr_setSeqDwellTime rssmr_getSeqSpaceProper rssmr_recallSequence rssmr_getSeqPoints rssmr_setMSeqTrigSource
1.2.4	07/2007	<p>Modifications:</p> <p>fixed s/ms problem changes:</p> <ul style="list-style-type: none"> rssmr_configureList rssmr_setListDwellTime
1.2.3	12/2004	<p>Modifications:</p> <p>FW 1.29 and FW 1.30, fixed s/ms problem Changes:</p> <ul style="list-style-type: none"> rssmr_configPulseOutput rssmr_setPulseDelay rssmr_setPulsePeriod rssmr_setPulseWidth

SMR driver history

Revision	Date	Note
		rssmr_setDoublePulseDelay rssmr_configRFFreqSweep rssmr_setRFFreqSweepDwellTime rssmr_configRFLevelSweep rssmr_setRFLevelSweepDwellTime rssmr_configLFSweep rssmr_setLFSweepDwellTime
1.2.2	04/2004	Modifications: - Added CHM Help file. - Fixed floating point precision problem
1.2.1	01/2004	Modifications: For Agilent VISA (Ver. M01.01) and Serial Interface only - changed rssml_init
1.2	12/2002	Modifications: New functions: - Get Free Space (rssmr_getFreeCorrTables) - Set Fixed Power Mode (rssmr_setFixedPowerMode) - Set Sweep Power Mode (rssmr_setSweepPowerMode) - Set List Power Mode (rssmr_setListPowerMode) - Set RF Level Sweep Spacing (rssmr_setRFLevelSweepSpacing) Modifications (descriptions only): - Get List Of Correction Lists (rssmr_getListOfCorrLists) - Get List Of Lists (rssmr_getListOfLists) - Get List Of Sequences (rssmr_getListOfSequences) - Configure RF Frequency (rssmr_configRFFreq) - Configure RF Level (rssmr_configRFLevel) - Configure RF Frequency Sweep (rssmr_configRFFreqSweep) range checked against the current MIN and MAX values - Configure RF Level Sweep (rssmr_configRFLevelSweep) range checked against the current MIN and MAX values - Configure RS232 (rssmr_utilConfigureRS232) Added possibility to skip HW handshake settings Drawback of Agilent VISA is patched by adding extra termination character "\n" to each command Included support for SMR20, SMR27, SMR30, SMR40, SMR50 and SMR60 Option & instrument model checking is now provided Range checking for low level RF Frequency and RF Level functions is not provided due to instrument specific dependencies. Code cleanup & code verification
1.1	3/2002	Modifications: Additions: - rssmr_setRFLevelReset Modifications: - in rssmr_init now sending linefeed before first command is sent to the instrument Note: rssmr_setRFLevelReset and rssmr_setCWFreqReset are not supported by firmware 1.22 or below

Compatibility

For compatibility it's possible, but not recommendable, to use the SMP driver, Revision 2.11 04/2000, for SMR too.

Additional Help

LabWindows/CVI

The LabWindows/CVI instrument driver consists of a ZIP archive containing the driver sources. In addition, the instrument driver documentation is also included in compressed HTML format (Windows CHM help file) and stored together with the driver sources.

VXIplug&play Instrument Driver

In addition, the instrument driver documentation is also included in compressed HTML format (Windows CHM help file) and stored together with the driver sources in the ~\VXI\pnp\WinNT\rssmr directory.

For more information regarding the VXIPnP instrument drivers, please read the readme.txt file that comes with each driver.