

Driver history for R&S®SMF100A Microwave Signal Generator Driver Documentation

Products:

| R&S®SMF100A

Driver History for LabVIEW,
LabWindows/CVI and VXIplug&play
Instrument Driver for C#, C/C++, Visual
Basic .NET, VEE, etc.

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1 History for LabVIEW drivers

History for LabVIEW drivers		
Revision	Date	Note
2.20.0	11/2011	<p>Driver update for SMF100A FW Support for FW 2.20.232</p> <p>* New:</p> <p>RSSMF Get Display Lock.vi RSSMF Get Display Update.vi RSSMF Get Frequency Sweep Time.vi RSSMF Get LF Level Sweep Shape.vi RSSMF Get LF Sweep Shape.vi RSSMF Get LFGGen Bandwidth.vi RSSMF Get Power Sweep Frequency Slope.vi RSSMF Get Power Sweep Time Trigger Events.vi RSSMF Get SYSTem Error List.vi RSSMF Set Display Lock.vi RSSMF Set Display Update.vi RSSMF Set Frequency Sweep Marker Transfer.vi RSSMF Set Frequency Sweep Time.vi RSSMF Set LF Level Sweep Shape.vi RSSMF Set LF Sweep Shape.vi RSSMF Set LFGGen Bandwidth.vi RSSMF Set Power Sweep Frequency Slope.vi RSSMF Set Power Sweep Time Trigger Events.vi RSSMF SYSTem Factory Preset.vi</p> <p>* Removed:</p> <p>RSSMF Set Keyboard Layout.vi RSSMF Get Keyboard Layout.vi RSSMF Set Keyboard Language.vi RSSMF Get Keyboard Language.vi</p>
2.15.0	08/2010	<p>Driver update for SMF100A FW Support for FW 2.15.181</p> <p>New VIs:</p> <p>Power Sensor Gate mode Power Sensor mathematics RF Phase Settings Pulse Train import/export RSSMF Get Automatic File Path.vi RSSMF Set Power Sweep Time Averaging Factor.vi RSSMF Get Power Sweep Time Averaging Factor.vi RSSMF Set Power Display Indication.vi RSSMF Get Power Display Indication.vi</p>

History for LabVIEW drivers		
Revision	Date	Note
		RSSMF Trigger User Correction Measurement.vi RSSMF Set User Correction Power Sensor Type.vi RSSMF Get User Correction Power Sensor Type.vi RSSMF Set ALC Detector.vi RSSMF Get ALC Detector.vi RSSMF Set ALC Power Sensor Type.vi RSSMF Get ALC Power Sensor Type.vi RSSMF Set ALC Reference Voltage.vi RSSMF Get ALC Reference Voltage.vi RSSMF Learn LIST Mode Data.vi RSSMF Set RF OFF Attenuator Mode.vi RSSMF Get RF OFF Attenuator Mode.vi RSSMF Set PULM Sync To Internal Clock.vi RSSMF Get PULM Sync To Internal Clock.vi RSSMF Set PULM Double Width.vi RSSMF Get PULM Double Width.vi RSSMF Get PULM Pulse Train Length.vi RSSMF Configure LF Sweep Marker.vi RSSMF Set LF Sweep Marker State.vi RSSMF Get LF Sweep Marker State.vi RSSMF Set LF Sweep Marker Frequency.vi RSSMF Get LF Sweep Marker Frequency.vi RSSMF Set LF Sweep Amplitude Marker State.vi RSSMF Get LF Sweep Amplitude Marker State.vi RSSMF Set LF Sweep Amplitude Marker Attenuation.vi RSSMF Get LF Sweep Amplitude Marker Attenuation.vi RSSMF Set LF Sweep Marker Polarity.vi RSSMF Get LF Sweep Marker Polarity.vi RSSMF Set LF Sweep Active Marker.vi RSSMF Get LF Sweep Active Marker.vi RSSMF Set LF Sweep All Markers Off.vi RSSMF Configure LF Level Sweep Marker.vi RSSMF Set LF Level Sweep Marker State.vi RSSMF Get LF Level Sweep Marker State.vi RSSMF Set LF Level Sweep Marker Level.vi RSSMF Get LF Level Sweep Marker Level.vi RSSMF Set LF Level Sweep Marker Polarity.vi RSSMF Get LF Level Sweep Marker Polarity.vi RSSMF Set LF Level Sweep Active Marker.vi RSSMF Get LF Level Sweep Active Marker.vi RSSMF Set LF Level Sweep All Markers Off.vi RSSMF Configure Frequency Sweep Marker.vi

History for LabVIEW drivers		
Revision	Date	Note
		RSSMF Set Frequency Sweep Ramp Time.vi RSSMF Get Frequency Sweep Ramp Time.vi RSSMF Set Frequency Sweep Marker State.vi RSSMF Get Frequency Sweep Marker State.vi RSSMF Set Frequency Sweep Marker Frequency.vi RSSMF Get Frequency Sweep Marker Frequency.vi RSSMF Set Frequency Sweep Amplitude Marker State.vi RSSMF Get Frequency Sweep Amplitude Marker State.vi RSSMF Set Frequency Sweep Amplitude Marker Attenuation.vi RSSMF Get Frequency Sweep Amplitude Marker Attenuation.vi RSSMF Set Frequency Sweep Marker Polarity.vi RSSMF Get Frequency Sweep Marker Polarity.vi RSSMF Set Frequency Sweep Active Marker.vi RSSMF Get Frequency Sweep Active Marker.vi RSSMF Set Frequency Sweep All Markers Off.vi RSSMF Set Power Sweep Frequency Reference X Values.vi RSSMF Get Power Sweep Frequency Reference X Values.vi RSSMF Set Power Sweep Frequency Reference Y Values.vi RSSMF Get Power Sweep Frequency Reference Y Values.vi RSSMF Generate Power Sweep Frequency Reference Curve.vi RSSMF Set Power Sweep Power Reference X Values.vi RSSMF Get Power Sweep Power Reference X Values.vi RSSMF Set Power Sweep Power Reference Y Values.vi RSSMF Get Power Sweep Power Reference Y Values.vi RSSMF Get Power Sweep Power Reference Number Of Points.vi RSSMF Generate Power Sweep Power Reference Curve.vi RSSMF Set Power Sweep Time Reference X Values.vi RSSMF Get Power Sweep Time Reference X Values.vi RSSMF Set Power Sweep Time Reference Y Values.vi RSSMF Get Power Sweep Time Reference Y Values.vi RSSMF Get Power Sweep Time Reference Number Of Points.vi RSSMF Generate Power Sweep Time Reference Curve.vi RSSMF Configure Level Sweep Marker.vi RSSMF Set Level Sweep Marker State.vi RSSMF Get Level Sweep Marker State.vi RSSMF Set Level Sweep Marker Level.vi RSSMF Get Level Sweep Marker Level.vi RSSMF Set Level Sweep Marker Polarity.vi RSSMF Get Level Sweep Marker Polarity.vi RSSMF Set Level Sweep Active Marker.vi RSSMF Get Level Sweep Active Marker.vi RSSMF Set Level Sweep All Markers Off.vi

History for LabVIEW drivers		
Revision	Date	Note
		RSSMF SYSTEM GPIB Resource.vi RSSMF SYSTEM Serial Resource.vi RSSMF SYSTEM Option User Defined.vi Modified Vis: Reorganize of Power Sensor RSSMF Set Power Source.vi RSSMF Get Power Source.vi RSSMF Get Power Sweep Data Points.vi RSSMF Get Power Sweep Data X Values.vi RSSMF Get Power Sweep Data Y Values.vi Removed Vis: RSSMF CALibration Clock Synthesis.vi RSSMF Set ALC Off Mode.vi RSSMF Get ALC Off Mode.vi RSSMF CALibration FM Offset.vi RSSMF Set CALibration Level AdjustmentData.vi RSSMF Get CALibration Level AdjustmentData.vi RSSMF Set Power Use SParameters.vi RSSMF Set Power Sweep Time Timing.vi RSSMF Get Power Sweep Time Timing.vi
2.05.4	10/2009	Driver update for SMF100A FW 2.05.244.23 New VIs: RSSMF Set PULM Train Repetition.vi RSSMF Get PULM Train Repetition.vi RSSMF Configure List.vi RSSMF LIST Catalog.vi RSSMF LIST Delete List.vi RSSMF LIST Delete All.vi RSSMF LIST Reset List.vi RSSMF LIST Trigger Execute.vi RSSMF Set LIST Mode.vi RSSMF Set LIST Dwell Time.vi RSSMF Get LIST Dwell Time.vi RSSMF Set LIST Select List.vi RSSMF Get LIST Select List.vi RSSMF Set LIST Frequency Values.vi RSSMF Get LIST Frequency Values.vi RSSMF Get LIST Frequency Points.vi RSSMF Set LIST Power Values.vi RSSMF Get LIST Power Values.vi RSSMF Get LIST Power Points.vi

History for LabVIEW drivers		
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		RSSMF Get LIST Attenuator Mode.vi
		RSSMF Set LIST Step Index.vi
		RSSMF Get LIST Step Index.vi
		RSSMF Set LIST Start Index.vi
		RSSMF Get LIST Start Index.vi
		RSSMF Set LIST Stop Index.vi
		RSSMF Get LIST Stop Index.vi
		RSSMF Set LIST Import Export List Mode.vi
		RSSMF Get LIST Import Export List Mode.vi
		RSSMF Set LIST Import Export List File.vi
		RSSMF Get LIST Import Export List File.vi
		RSSMF Import Export Execute.vi
		RSSMF Set LIST Import Export ASCII File.vi
		RSSMF Get LIST Import Export ASCII File.vi
		RSSMF Set LIST Import Export ASCII Extension.vi
		RSSMF Get LIST Import Export ASCII Extension.vi
		RSSMF Set LIST Import Export ASCII ColumnSeparator.vi
		RSSMF Get LIST Import Export ASCII Column Separator.vi
		RSSMF Set LIST Import Export ASCII Column Decimal Separator.vi
		RSSMF Get LIST Import Export ASCII Column Decimal Separator.vi
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		RSSMF Get ROSC RF Output.vi
		RSSMF Set Power Display Permanent Priority.vi
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		RSSMF Configure Power Sweep Frequency Separate Frequency Range.vi
		RSSMF Set Power Sweep Frequency Execution.vi
		RSSMF Get Power Sweep Frequency Execution.vi
		RSSMF Set Power Sweep Frequency Y Auto Scale.vi
		RSSMF Get Power Sweep Frequency Y Auto Scale.vi
		RSSMF Reset Power Sweep Frequency Y Scale.vi
		RSSMF Set Power Sweep Frequency Separate Frequency Range.vi
		RSSMF Get Power Sweep Frequency Separate Frequency Range.vi
		RSSMF Set Power Sweep Frequency Separate Frequency Start.vi
		RSSMF Get Power Sweep Frequency Separate Frequency Start.vi
		RSSMF Set Power Sweep Frequency Separate Frequency Stop.vi
		RSSMF Get Power Sweep Frequency Separate Frequency Stop.vi
		RSSMF Configure Power Sweep Power Separate Frequency Range.vi
		RSSMF Set Power Sweep Power Execution.vi
		RSSMF Get Power Sweep Power Execution.vi
		RSSMF Set Power Sweep Power Y Auto Scale.vi

History for LabVIEW drivers		
Revision	Date	Note
		RSSMF Get Power Sweep Power Y Auto Scale.vi
		RSSMF Reset Power Sweep Power Y Scale.vi
		RSSMF Set Power Sweep Power Separate Frequency State.vi
		RSSMF Get Power Sweep Power Separate Frequency State.vi
		RSSMF Set Power Sweep Power Separate Frequency.vi
		RSSMF Get Power Sweep Power Separate Frequency.vi
		RSSMF Configure Power Sweep Time Separate Frequency Range.vi
		RSSMF Set Power Sweep Time Pulse Data Analysis State.vi
		RSSMF Get Power Sweep Time Pulse Data Analysis State.vi
		RSSMF Set Power Sweep Time Pulse Threshold Base.vi
		RSSMF Get Power Sweep Time Pulse Threshold Base.vi
		RSSMF Set Power Sweep Time Pulse Threshold Reference Level.vi
		RSSMF Get Power Sweep Time Pulse Threshold Reference Level.vi
		RSSMF Set Power Sweep Time Trigger Source.vi
		RSSMF Get Power Sweep Time Trigger Source.vi
		RSSMF Set Power Sweep Time Trigger Drop Out Time.vi
		RSSMF Get Power Sweep Time Trigger Drop Out Time.vi
		RSSMF Set Power Sweep Time Trigger Hysteresis.vi
		RSSMF Get Power Sweep Time Trigger Hysteresis.vi
		RSSMF Set Power Sweep Time Trigger Threshold.vi
		RSSMF Get Power Sweep Time Trigger Threshold.vi
		RSSMF Set Power Sweep Time Trigger Auto Set.vi
		RSSMF Set Power Sweep Time Start.vi
		RSSMF Get Power Sweep Time Start.vi
		RSSMF Set Power Sweep Time Stop.vi
		RSSMF Get Power Sweep Time Stop.vi
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		RSSMF Get Power Sweep Time Spacing.vi
		RSSMF Set Power Sweep Time Timing.vi
		RSSMF Get Power Sweep Time Timing.vi
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		RSSMF Get Power Sweep Time Steps.vi
		RSSMF Set Power Time Trigger Source.vi
		RSSMF Get Power Time Trigger Source.vi
		RSSMF Set Power Sweep Time Y Scale Minimum.vi
		RSSMF Get Power Sweep Time Y Scale Minimum.vi
		RSSMF Set Power Sweep Time Y Scale Maximum.vi
		RSSMF Get Power Sweep Time Y Scale Maximum.vi
		RSSMF Set Power Sweep Time Execution.vi
		RSSMF Get Power Sweep Time Execution.vi
		RSSMF Set Power Sweep Time Y AutoScale.vi
		RSSMF Get Power Sweep Time Y AutoScale.vi

History for LabVIEW drivers		
Revision	Date	Note
		RSSMF Reset Power Sweep Time Y Scale.vi
		RSSMF Set Power Sweep Time Separate Frequency State.vi
		RSSMF Get Power Sweep Time Separate Frequency State.vi
		RSSMF Set Power Sweep Time Separate Frequency.vi
		RSSMF Get Power Sweep Time Separate Frequency.vi
		RSSMF Set Power Sweep Trace State.vi
		RSSMF Get Power Sweep Trace State.vi
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		RSSMF Set Power Sweep Trace Source.vi
		RSSMF Get Power Sweep Trace Source.vi
		RSSMF Get Power Sweep Trace Pulse Data Analysis State.vi
		RSSMF Get Power Sweep Trace Pulse Threshold Base.vi
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		RSSMF Get Power Display Pulse Data Analysis.vi
		RSSMF Set Power Sweep Hardcopy Device.vi
		RSSMF Get Power Sweep Hardcopy Device.vi
		RSSMF Set Power Sweep Hardcopy Image Size.vi
		RSSMF Get Power Sweep Hardcopy Image Size.vi
		RSSMF Set Power Sweep Hardcopy Marker State.vi
		RSSMF Get Power Sweep Hardcopy Marker State.vi
		RSSMF Save Power Sweep Hardcopy.vi
		RSSMF Set Power Sweep Hardcopy CSV Header.vi
		RSSMF Get Power Sweep Hardcopy CSV Header.vi
		RSSMF Set Power Sweep Hardcopy CSV Orientation.vi
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		RSSMF Set Power Sweep Hardcopy CSV Column Separator.vi
		RSSMF Get Power Sweep Hardcopy CSV Column Separator.vi
		RSSMF Set Power Sweep Hardcopy CSV Decimal Point.vi
		RSSMF Get Power Sweep Hardcopy CSV Decimal Point.vi
		RSSMF Get Power Sweep Hardcopy CSV Data.vi
		RSSMF Set Power Sweep Hardcopy Automatic Naming State.vi
		RSSMF Get Power Sweep Hardcopy Automatic Naming State.vi
		RSSMF Get Power Sweep Hardcopy Automatic File Name.vi
		RSSMF Set Power Sweep Hardcopy Automatic Directory.vi
		RSSMF Get Power Sweep Hardcopy Automatic Directory.vi
		RSSMF Delete Power Sweep Hardcopy Image Files.vi
		RSSMF Set Power Sweep Hardcopy Automatic File Date State.vi

History for LabVIEW drivers		
Revision	Date	Note
		RSSMF Get Power Sweep Hardcopy Automatic File Date State.vi RSSMF Get Power Sweep Hardcopy Automatic File Date.vi RSSMF Set Power Sweep Hardcopy Automatic File Prefix State.vi RSSMF Get Power Sweep Hardcopy Automatic File Prefix State.vi RSSMF Set Power Sweep Hardcopy Automatic File Prefix.vi RSSMF Get Power Sweep Hardcopy Automatic File Prefix.vi RSSMF Get Power Sweep Hardcopy Automatic File Number.vi RSSMF User Correction Fill List With Sensor.vi RSSMF Set Level Sweep Attenuator Mode.vi RSSMF Get Level Sweep Attenuator Mode.vi RSSMF Set Level Sweep Shape.vi RSSMF Get Level Sweep Shape.vi RSSMF Get Level Sweep Spacing.vi RSSMF Reset Level Sweep.vi RSSMF Set CALibration Level Adjustment Data.vi RSSMF Get CALibration Level Adjustment Data.vi RSSMF Set Image Size.vi RSSMF Get Image Size.vi RSSMF Set Output Device.vi RSSMF Get Output Device.vi RSSMF Save Hard Copy.vi RSSMF Set Automatic Naming State.vi RSSMF Get Automatic Naming State.vi RSSMF Get Automatic File Name.vi RSSMF Set Automatic Directory.vi RSSMF Get Automatic Directory.vi RSSMF Delete Image Files.vi RSSMF Set Automatic File Date State.vi RSSMF Get Automatic File Date State.vi RSSMF Get Automatic File Date.vi RSSMF Set Automatic File Prefix State.vi RSSMF Get Automatic File Prefix State.vi RSSMF Set Automatic File Prefix.vi RSSMF Get Automatic File Prefix.vi RSSMF Get Automatic File Number.vi RSSMF Range Checking.vi Modified VIs: RSSMF Configure Power Response Measurement.vi RSSMF Set Power Sweep Frequency Timing.vi RSSMF Get Power Sweep Frequency Timing.vi RSSMF Set Power Sweep Power Timing.vi RSSMF Get Power Sweep Power Timing.vi

History for LabVIEW drivers		
Revision	Date	Note
		RSSMF Set Power Sweep Mode.vi RSSMF Get Power Sweep Mode.vi RSSMF CALibration All.vi RSSMF CALibration Frequency.vi RSSMF CALibration Modulation Generators.vi RSSMF CALibration Level.vi RSSMF CALibration FM Offset.vi RSSMF CALibration Clock Synthesis.vi
2.05.3	05/2009	Modified VIs: Fixed range of RSSMF Set PULM Width.vi Modified range checking - now it is possible to turn it off using rssmf_errorCheckState
2.05.2	05/2009	Modified VIs: RSSMF Configure Pulse Modulation Trigger.vi - fixed command RSSMF Get PULM Gate Input Polarity.vi - fixed command RSSMF Set PULM Gate Input Polarity.vi - fixed command RSSMF Set PULM Mode.vi RSSMF Get PULM Mode.vi
2.05.1	03/2009	Modified VIs: RSSMF Get PULM Gate Input Polarity.vi - fixed command RSSMF Set PULM Gate Input Polarity.vi - fixed command RSSMF Configure Pulse Modulation Trigger.vi - fixed command
2.05.00	10/2008	Driver update for Firmware version 2.05.47.34 - New VIs: rssmf_SetNOISEBandwidthState rssmf_GetNOISEBandwidthState rssmf_PULMPulseTrainCatalog rssmf_PULMDeletePulseTrainFile rssmf_PULMSelectPulseTrainFile rssmf_SetPULMMode rssmf_GetPULMMode rssmf_SetPULMTrainOfftime rssmf_GetPULMTrainOfftime rssmf_GetTrainOfftimePoints rssmf_SetPULMTrainOntime rssmf_GetPULMTrainOntime rssmf_GetTrainOntimePoints rssmf_confCHIRP

History for LabVIEW drivers		
Revision	Date	Note
		rssmf_confCHIRPTrigger rssmf_SetCHIRPTriggerMode rssmf_GetCHIRPTriggerMode rssmf_SetCHIRPTriggerSlope rssmf_GetCHIRPTriggerSlope rssmf_SetCHIRPTriggerLevel rssmf_GetCHIRPTriggerLevel rssmf_SetCHIRPGatePolarity rssmf_GetCHIRPGatePolarity rssmf_SetCHIRPExternalImpedance rssmf_GetCHIRPExternalImpedance rssmf_SetCHIRPDirection rssmf_GetCHIRPDirection rssmf_SetCHIRPState rssmf_GetCHIRPState rssmf_SetCHIRPBandwidth rssmf_GetCHIRPBandwidth rssmf_SetCHIRPPulsePeriod rssmf_GetCHIRPPulsePeriod rssmf_SetCHIRPPulseWidth rssmf_GetCHIRPPulseWidth rssmf_GetCHIRPCompressionRatio rssmf_SetFrequencySweepShape rssmf_GetFrequencySweepShape rssmf_confPowerSense rssmf_confPowerResponseMeasurement rssmf_confPowerResponseMeasurementDiagram rssmf_PowerZero rssmf_SetInitiatePowerMeasurement rssmf_GetInitiatePowerMeasurement rssmf_SetPowerUseSParameters rssmf_GetPowerUseSParameters rssmf_SetPowerFrequency rssmf_GetPowerFrequency rssmf_SetPowerOffset rssmf_GetPowerOffset rssmf_SetPowerOffsetState rssmf_GetPowerOffsetState rssmf_SetPowerSource rssmf_GetPowerSource rssmf_SetPowerUnit rssmf_GetPowerUnit

History for LabVIEW drivers		
Revision	Date	Note
		rssmf_SetPowerDisplayPermanentState rssmf_GetPowerDisplayPermanentState rssmf_confPowerFilter rssmf_SetPowerFilterLength rssmf_GetPowerFilterLength rssmf_SetPowerFilterMode rssmf_GetPowerFilterMode rssmf_SetPowerFilterFixedNoiseContent rssmf_GetPowerFilterFixedNoiseContent rssmf_SetPowerFilterFixedNoiseTimeout rssmf_GetPowerFilterFixedNoiseTimeout rssmf_GetPowerFilterLengthAuto rssmf_PowerFilterSearchOnce rssmf_PowerSweepInitiate rssmf_PowerSweepAbort rssmf_SetPowerSweepFrequencyStart rssmf_GetPowerSweepFrequencyStart rssmf_SetPowerSweepFrequencyStop rssmf_GetPowerSweepFrequencyStop rssmf_SetPowerSweepFrequencyTiming rssmf_GetPowerSweepFrequencyTiming rssmf_SetPowerSweepFrequencySpacing rssmf_GetPowerSweepFrequencySpacing rssmf_SetPowerSweepFrequencySteps rssmf_GetPowerSweepFrequencySteps rssmf_SetPowerSweepFrequencyYScaleMinimum rssmf_GetPowerSweepFrequencyYScaleMinimum rssmf_SetPowerSweepFrequencyYScaleMaximum rssmf_GetPowerSweepFrequencyYScaleMaximum rssmf_SetPowerSweepPowerStart rssmf_GetPowerSweepPowerStart rssmf_SetPowerSweepPowerStop rssmf_GetPowerSweepPowerStop rssmf_SetPowerSweepPowerSpacing rssmf_GetPowerSweepPowerSpacing rssmf_SetPowerSweepPowerTiming rssmf_GetPowerSweepPowerTiming rssmf_SetPowerSweepPowerSteps rssmf_GetPowerSweepPowerSteps rssmf_SetPowerSweepPowerYScaleMinimum rssmf_GetPowerSweepPowerYScaleMinimum rssmf_SetPowerSweepPowerYScaleMaximum

History for LabVIEW drivers		
Revision	Date	Note
		rssmf_GetPowerSweepPowerYScaleMaximum rssmf_SetPowerSweepSenseMode rssmf_GetPowerSweepSenseMode rssmf_SetPowerSweepMode rssmf_GetPowerSweepMode rssmf_GetPowerSweepDataPoints rssmf_GetPowerSweepDataXValues rssmf_GetPowerSweepDataYValues rssmf_SetPowerSweepHardcopyLNGFormat rssmf_GetPowerSweepHardcopyLNGFormat rssmf_SetPowerSweepHardcopyFile rssmf_GetPowerSweepHardcopyFile rssmf_PowerSensorDevice rssmf_PowerSensorType rssmf_PowerReadPower rssmf_GetPowerSensorVersion rssmf_PowerSensorSerialNumber rssmf_SetALCOffMode rssmf_GetALCOffMode rssmf_CALibrationFMOffset rssmf_CALibrationClockSynthesis rssmf_SetCALibrationLevelLoopGainState rssmf_GetCALibrationLevelLoopGainState rssmf_PresetSignalPath rssmf_SetImageFileName rssmf_GetImageFileName rssmf_SetImageFormat rssmf_GetImageFormat rssmf_GetImageSnapshot rssmf_GetSYSTEMStartupStatus rssmf_SetAngleUnits rssmf_GetAngleUnits rssmf_SetPowerUnits rssmf_GetPowerUnits rssmf_SetVelocityUnits rssmf_GetVelocityUnits rssmf_SetBlankWidth rssmf_GetBlankWidth rssmf_DevicePreset Modified VIs: rssmf_init (USB support added) rssmf_confFrequencySweep

History for LabVIEW drivers		
Revision	Date	Note
		rssmf_CALibrationFrequency rssmf_CALibrationLevel rssmf_SetFrequencySweepSpacing rssmf_readToFile rssmf_revision_query
2.04.1	08/2007	Fixed ID query parsing in rssmf_init for older firmware version 2.04.154.
2.04.0	07/2007	Driver created

2 History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
2.20.0	11/2011	<p>Driver update for SMF100A FW Support for FW 2.20.232</p> <p>* New:</p> <ul style="list-style-type: none"> - rssmf_SetLFSweepShape - rssmf_GetLFSweepShape - rssmf_SetLFGenBandwidth - rssmf_GetLFGenBandwidth - rssmf_SetLFLevelSweepShape - rssmf_GetLFLevelSweepShape - rssmf_SetFrequencySweepTime - rssmf_GetFrequencySweepTime - rssmf_SetFrequencySweepMarkerTransfer <p>* Removed:</p> <ul style="list-style-type: none"> - rssmf_GetKeyboardLayout - rssmf_SetKeyboardLayout - rssmf_GetKeyboardLanguage - rssmf_SetKeyboardLanguage
2.15.0	08/2010	<p>Driver update for SMF100A FW Support for FW 2.15.181</p> <p>* New functions:</p> <ul style="list-style-type: none"> - Power Sensor Gate Mode - Power Sensor Mathematics - RF Phase Settings - Pulse Train Import/Export - Markers support - References support - rssmf_SetPULMSyncToInternalClock - rssmf_GetPULMSyncToInternalClock - rssmf_SetPULMDoubleWidth - rssmf_GetPULMDoubleWidth - rssmf_GetPULMPulseTrainLength - rssmf_SetFrequencySweepRampTime - rssmf_GetFrequencySweepRampTime - rssmf_LearnLISTModeData - rssmf_SetPowerSweepTimeAveragingFactor

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> - rssmf_GetPowerSweepTimeAveragingFactor - rssmf_SetPowerDisplayIndication - rssmf_GetPowerDisplayIndication - rssmf_SetALCDetector - rssmf_GetALCDetector - rssmf_SetALCPowerSensorType - rssmf_GetALCPowerSensorType - rssmf_SetALCReferenceVoltage - rssmf_GetALCReferenceVoltage - rssmf_TriggerUserCorrectionMeasurement - rssmf_SetUserCorrectionPowerSensorType - rssmf_GetUserCorrectionPowerSensorType - rssmf_SetRFOFFAttenuatorMode - rssmf_GetRFOFFAttenuatorMode - rssmf_GetAutomaticFilePath - rssmf_SYSTEMGPIBResource - rssmf_SYSTEMSerialResource - rssmf_SYSTEMGPIBResource * Modified functions: - rssmf_SetPowerSweepPowerSeparateFrequency, rssmf_GetPowerSweepPowerSeparateFrequency - incorrect SCPI command - rssmf_GetPowerSweepDataPoints, rssmf_GetPowerSweepDataXValues, rssmf_GetPowerSweepDataYValues - fixed command - rssmf_confPowerSense - Use SParameter is read only, changed Source - rssmf_SetPowerSource, rssmf_GetPowerSource - changed valid values * Removed functions: - rssmf_CALibrationClockSynthesis - rssmf_SetALCOffMode - rssmf_GetALCOffMode - rssmf_CALibrationFMOffset - rssmf_SetCALibrationLevelAdjustmentData - rssmf_GetCALibrationLevelAdjustmentData - rssmf_SetPowerUseSParameters - rssmf_SetPowerSweepTimeTiming - rssmf_GetPowerSweepTimeTiming
2.05.4	0/2009	<p>Driver update for SMF FW 2.05.244.23</p> <ul style="list-style-type: none"> * New functions: - rssmf_SetPULMTrainRepetition - rssmf_GetPULMTrainRepetition - rssmf_confList - rssmf_LISTCatalog - rssmf_LISTDeleteList - rssmf_LISTDeleteAll - rssmf_LISTResetList - rssmf_LISTTriggerExecute

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.

Revision	Date	Note
		<ul style="list-style-type: none"> - rssmf_SetLISTMode - rssmf_SetLISTDwellTime - rssmf_GetLISTDwellTime - rssmf_SetLISTSelectList - rssmf_GetLISTSelectList - rssmf_SetLISTFrequencyValues - rssmf_GetLISTFrequencyValues - rssmf_GetLISTFrequencyPoints - rssmf_SetLISTPowerValues - rssmf_GetLISTPowerValues - rssmf_GetLISTPowerPoints - rssmf_SetLISTAttenuatorMode - rssmf_GetLISTAttenuatorMode - rssmf_SetLISTStepIndex - rssmf_GetLISTStepIndex - rssmf_SetLISTStartIndex - rssmf_GetLISTStartIndex - rssmf_SetLISTStopIndex - rssmf_GetLISTStopIndex - rssmf_SetLISTImportExportListMode - rssmf_GetLISTImportExportListMode - rssmf_SetLISTImportExportListFile - rssmf_GetLISTImportExportListFile - rssmf_ImportExportExecute - rssmf_SetLISTImportExportASCIIFile - rssmf_GetLISTImportExportASCIIFile - rssmf_SetLISTImportExportASCIIExtension - rssmf_GetLISTImportExportASCIIExtension - rssmf_SetLISTImportExportASCIIColumnSeparator - rssmf_GetLISTImportExportASCIIColumnSeparator - rssmf_SetLISTImportExportASCIIColumnDecimalSeparator - rssmf_GetLISTImportExportASCIIColumnDecimalSeparator - rssmf_LISTImportExportCatalog - rssmf_SetROSCRFOutput - rssmf_GetROSCRFOutput - rssmf_SetPowerDisplayPermanentPriority - rssmf_GetPowerDisplayPermanentPriority - rssmf_confPowerSweepFrequencySeparateFrequencyRange - rssmf_SetPowerSweepFrequencyExecution - rssmf_GetPowerSweepFrequencyExecution - rssmf_SetPowerSweepFrequencyYAutoScale - rssmf_GetPowerSweepFrequencyYAutoScale - rssmf_ResetPowerSweepFrequencyYScale - rssmf_SetPowerSweepFrequencySeparateFrequencyRange - rssmf_GetPowerSweepFrequencySeparateFrequencyRange - rssmf_SetPowerSweepFrequencySeparateFrequencyStart - rssmf_GetPowerSweepFrequencySeparateFrequencyStart - rssmf_SetPowerSweepFrequencySeparateFrequencyStop - rssmf_GetPowerSweepFrequencySeparateFrequencyStop - rssmf_confPowerSweepPowerSeparateFrequencyRange - rssmf_SetPowerSweepPowerExecution - rssmf_GetPowerSweepPowerExecution - rssmf_SetPowerSweepPowerYAutoScale - rssmf_GetPowerSweepPowerYAutoScale - rssmf_ResetPowerSweepPowerYScale - rssmf_SetPowerSweepPowerSeparateFrequencyState - rssmf_GetPowerSweepPowerSeparateFrequencyState - rssmf_SetPowerSweepPowerSeparateFrequency - rssmf_GetPowerSweepPowerSeparateFrequency - rssmf_confPowerSweepTimeSeparateFrequencyRange - rssmf_SetPowerSweepTimePulseDataAnalysisState - rssmf_GetPowerSweepTimePulseDataAnalysisState - rssmf_SetPowerSweepTimePulseThresholdBase - rssmf_GetPowerSweepTimePulseThresholdBase

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.

Revision	Date	Note
		<ul style="list-style-type: none"> - rssmf_SetPowerSweepTimePulseThresholdReferenceLevel - rssmf_GetPowerSweepTimePulseThresholdReferenceLevel - rssmf_SetPowerSweepTimeTriggerSource - rssmf_GetPowerSweepTimeTriggerSource - rssmf_SetPowerSweepTimeTriggerDropOutTime - rssmf_GetPowerSweepTimeTriggerDropOutTime - rssmf_SetPowerSweepTimeTriggerHysteresis - rssmf_GetPowerSweepTimeTriggerHysteresis - rssmf_SetPowerSweepTimeTriggerThreshold - rssmf_GetPowerSweepTimeTriggerThreshold - rssmf_SetPowerSweepTimeTriggerAutoSet - rssmf_SetPowerSweepTimeStart - rssmf_GetPowerSweepTimeStart - rssmf_SetPowerSweepTimeStop - rssmf_GetPowerSweepTimeStop - rssmf_SetPowerSweepTimeSpacing - rssmf_GetPowerSweepTimeSpacing - rssmf_SetPowerSweepTimeTiming - rssmf_GetPowerSweepTimeTiming - rssmf_SetPowerSweepTimeSteps - rssmf_GetPowerSweepTimeSteps - rssmf_SetPowerTimeTriggerSource - rssmf_GetPowerTimeTriggerSource - rssmf_SetPowerSweepTimeYScaleMinimum - rssmf_GetPowerSweepTimeYScaleMinimum - rssmf_SetPowerSweepTimeYScaleMaximum - rssmf_GetPowerSweepTimeYScaleMaximum - rssmf_SetPowerSweepTimeExecution - rssmf_GetPowerSweepTimeExecution - rssmf_SetPowerSweepTimeYAutoScale - rssmf_GetPowerSweepTimeYAutoScale - rssmf_ResetPowerSweepTimeYScale - rssmf_SetPowerSweepTimeSeparateFrequencyState - rssmf_GetPowerSweepTimeSeparateFrequencyState - rssmf_SetPowerSweepTimeSeparateFrequency - rssmf_GetPowerSweepTimeSeparateFrequency - rssmf_SetPowerSweepTraceState - rssmf_GetPowerSweepTraceState - rssmf_SetPowerSweepTraceColor - rssmf_GetPowerSweepTraceColor - rssmf_copyPowerSweepTrace - rssmf_GetPowerSweepTraceDataPoints - rssmf_GetPowerSweepTraceXValues - rssmf_GetPowerSweepTraceYValues - rssmf_SetPowerSweepTraceSource - rssmf_GetPowerSweepTraceSource - rssmf_GetPowerSweepTracePulseDataAnalysisState - rssmf_GetPowerSweepTracePulseThresholdBase - rssmf_GetPowerSweepTracePulseThresholdReferenceLevel - rssmf_GetPowerDisplayPulseDataAnalysis - rssmf_SetPowerSweepHardcopyDevice - rssmf_GetPowerSweepHardcopyDevice - rssmf_SetPowerSweepHardcopyImageSize - rssmf_GetPowerSweepHardcopyImageSize - rssmf_SetPowerSweepHardcopyMarkerState - rssmf_GetPowerSweepHardcopyMarkerState - rssmf_SavePowerSweepHardcopy - rssmf_SetPowerSweepHardcopyCSVHeader - rssmf_GetPowerSweepHardcopyCSVHeader - rssmf_SetPowerSweepHardcopyCSVOrientation - rssmf_GetPowerSweepHardcopyCSVOrientation - rssmf_SetPowerSweepHardcopyCSVColumnSeparator - rssmf_GetPowerSweepHardcopyCSVColumnSeparator - rssmf_SetPowerSweepHardcopyCSVDecimalPoint

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> - rssmf_GetPowerSweepHardcopyCSVDecimalPoint - rssmf_GetPowerSweepHardcopyCSVData - rssmf_SetPowerSweepHardcopyAutomaticNamingState - rssmf_GetPowerSweepHardcopyAutomaticNamingState - rssmf_GetPowerSweepHardcopyAutomaticFileName - rssmf_SetPowerSweepHardcopyAutomaticDirectory - rssmf_GetPowerSweepHardcopyAutomaticDirectory - rssmf_DeletePowerSweepHardcopyImageFiles - rssmf_SetPowerSweepHardcopyAutomaticFileDateState - rssmf_GetPowerSweepHardcopyAutomaticFileDateState - rssmf_GetPowerSweepHardcopyAutomaticFileDate - rssmf_SetPowerSweepHardcopyAutomaticFilePrefixState - rssmf_GetPowerSweepHardcopyAutomaticFilePrefixState - rssmf_SetPowerSweepHardcopyAutomaticFilePrefix - rssmf_GetPowerSweepHardcopyAutomaticFilePrefix - rssmf_GetPowerSweepHardcopyAutomaticFileNumber - rssmf_UserCorrectionFillListWithSensor - rssmf_SetLevelSweepAttenuatorMode - rssmf_GetLevelSweepAttenuatorMode - rssmf_SetLevelSweepShape - rssmf_GetLevelSweepShape - rssmf_GetLevelSweepSpacing - rssmf_ResetLevelSweep - rssmf_SetCALibrationLevelAdjustmentData - rssmf_GetCALibrationLevelAdjustmentData - rssmf_SetImageSize - rssmf_GetImageSize - rssmf_SetOutputDevice - rssmf_GetOutputDevice - rssmf_SaveHardCopy - rssmf_SetAutomaticNamingState - rssmf_GetAutomaticNamingState - rssmf_GetAutomaticFileName - rssmf_SetAutomaticDirectory - rssmf_GetAutomaticDirectory - rssmf_DeleteImageFiles - rssmf_SetAutomaticFileDateState - rssmf_GetAutomaticFileDateState - rssmf_GetAutomaticFileDate - rssmf_SetAutomaticFilePrefixState - rssmf_GetAutomaticFilePrefixState - rssmf_SetAutomaticFilePrefix - rssmf_GetAutomaticFilePrefix - rssmf_GetAutomaticFileNumber - rssmf_rangeCheckState <p>* Modified functions:</p> <ul style="list-style-type: none"> - rssmf_confPowerResponseMeasurement - rssmf_SetPowerSweepFrequencyTiming - rssmf_GetPowerSweepFrequencyTiming - rssmf_SetPowerSweepPowerTiming - rssmf_GetPowerSweepPowerTiming - rssmf_SetPowerSweepMode - rssmf_GetPowerSweepMode - rssmf_CALibrationAll - rssmf_CALibrationFrequency - rssmf_CALibrationModulationGenerators - rssmf_CALibrationLevel - rssmf_CALibrationFMOffset - rssmf_CALibrationClockSynthesis
2.05.3	05/2009	<p>Modifications:</p> <ul style="list-style-type: none"> - Fixed range of rssmf_SetPULMWidth - * Modified range checking - now it is possible to turn it off using rssmf_errorCheckState

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
2.05.2	05/2009	<p>Modifications:</p> <ul style="list-style-type: none"> - rssmf_SetPULMMode - rssmf_GetPULMMode - rssmf_confPulmTrigger - rssmf_SetPULMGateInputPolarity - rssmf_GetPULMGateInputPolarity
2.05.1	03/2009	<p>Modifications:</p> <ul style="list-style-type: none"> - rssmf_GetPULMGateInputPolarity, rssmf_SetPULMGateInputPolarity, rssmf_confPulmTrigger
2.05.0	10/2008	<p>Driver updaterte for Firmware version 2.05.47.34</p> <p>New functions:</p> <ul style="list-style-type: none"> rssmf_SetNOISEBandwidthState rssmf_GetNOISEBandwidthState rssmf_PULMPulseTrainCatalog rssmf_PULMDeletePulseTrainFile rssmf_PULMSelectPulseTrainFile rssmf_SetPULMMode rssmf_GetPULMMode rssmf_SetPULMTrainOfftime rssmf_GetPULMTrainOfftime rssmf_GetTrainOfftimePoints rssmf_SetPULMTrainOntime rssmf_GetPULMTrainOntime rssmf_GetTrainOntimePoints rssmf_confCHIRP rssmf_confCHIRPTrigger rssmf_SetCHIRPTriggerMode rssmf_GetCHIRPTriggerMode rssmf_SetCHIRPTriggerSlope rssmf_GetCHIRPTriggerSlope rssmf_SetCHIRPTriggerLevel rssmf_GetCHIRPTriggerLevel rssmf_SetCHIRPGatePolarity rssmf_GetCHIRPGatePolarity rssmf_SetCHIRPExternalImpedance rssmf_GetCHIRPExternalImpedance rssmf_SetCHIRPDirection rssmf_GetCHIRPDirection rssmf_SetCHIRPState rssmf_GetCHIRPState rssmf_SetCHIRPBandwidth rssmf_GetCHIRPBandwidth rssmf_SetCHIRPPulsePeriod

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssmf_GetCHIRPPulsePeriod rssmf_SetCHIRPPulseWidth rssmf_GetCHIRPPulseWidth rssmf_GetCHIRPCompressionRatio rssmf_SetFrequencySweepShape rssmf_GetFrequencySweepShape rssmf_confPowerSense rssmf_confPowerResponseMeasurement rssmf_confPowerResponseMeasurementDiagram rssmf_PowerZero rssmf_SetInitiatePowerMeasurement rssmf_GetInitiatePowerMeasurement rssmf_SetPowerUseSParameters rssmf_GetPowerUseSParameters rssmf_SetPowerFrequency rssmf_GetPowerFrequency rssmf_SetPowerOffset rssmf_GetPowerOffset rssmf_SetPowerOffsetState rssmf_GetPowerOffsetState rssmf_SetPowerSource rssmf_GetPowerSource rssmf_SetPowerUnit rssmf_GetPowerUnit rssmf_SetPowerDisplayPermanentState rssmf_GetPowerDisplayPermanentState rssmf_confPowerFilter rssmf_SetPowerFilterLength rssmf_GetPowerFilterLength rssmf_SetPowerFilterMode rssmf_GetPowerFilterMode rssmf_SetPowerFilterFixedNoiseContent rssmf_GetPowerFilterFixedNoiseContent rssmf_SetPowerFilterFixedNoiseTimeout rssmf_GetPowerFilterFixedNoiseTimeout rssmf_GetPowerFilterLengthAuto rssmf_PowerFilterSearchOnce rssmf_PowerSweepInitiate rssmf_PowerSweepAbort rssmf_SetPowerSweepFrequencyStart rssmf_GetPowerSweepFrequencyStart

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssmf_SetPowerSweepFrequencyStop rssmf_GetPowerSweepFrequencyStop rssmf_SetPowerSweepFrequencyTiming rssmf_GetPowerSweepFrequencyTiming rssmf_SetPowerSweepFrequencySpacing rssmf_GetPowerSweepFrequencySpacing rssmf_SetPowerSweepFrequencySteps rssmf_GetPowerSweepFrequencySteps rssmf_SetPowerSweepFrequencyYScaleMinimum rssmf_GetPowerSweepFrequencyYScaleMinimum rssmf_SetPowerSweepFrequencyYScaleMaximum rssmf_GetPowerSweepFrequencyYScaleMaximum rssmf_SetPowerSweepPowerStart rssmf_GetPowerSweepPowerStart rssmf_SetPowerSweepPowerStop rssmf_GetPowerSweepPowerStop rssmf_SetPowerSweepPowerSpacing rssmf_GetPowerSweepPowerSpacing rssmf_SetPowerSweepPowerTiming rssmf_GetPowerSweepPowerTiming rssmf_SetPowerSweepPowerSteps rssmf_GetPowerSweepPowerSteps rssmf_SetPowerSweepPowerYScaleMinimum rssmf_GetPowerSweepPowerYScaleMinimum rssmf_SetPowerSweepPowerYScaleMaximum rssmf_GetPowerSweepPowerYScaleMaximum rssmf_SetPowerSweepSenseMode rssmf_GetPowerSweepSenseMode rssmf_SetPowerSweepMode rssmf_GetPowerSweepMode rssmf_GetPowerSweepDataPoints rssmf_GetPowerSweepDataXValues rssmf_GetPowerSweepDataYValues rssmf_SetPowerSweepHardcopyLNGFormat rssmf_GetPowerSweepHardcopyLNGFormat rssmf_SetPowerSweepHardcopyFile rssmf_GetPowerSweepHardcopyFile rssmf_PowerSensorDevice rssmf_PowerSensorType rssmf_PowerReadPower rssmf_GetPowerSensorVersion

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssmf_PowerSensorSerialNumber rssmf_SetALCOffMode rssmf_GetALCOffMode rssmf_CALibrationFMOffset rssmf_CALibrationClockSynthesis rssmf_SetCALibrationLevelLoopGainState rssmf_GetCALibrationLevelLoopGainState rssmf_PresetSignalPath rssmf_SetImageFileName rssmf_GetImageFileName rssmf_SetImageFormat rssmf_GetImageFormat rssmf_GetImageSnapshot rssmf_GetSYSTEMStartupStatus rssmf_SetAngleUnits rssmf_GetAngleUnits rssmf_SetPowerUnits rssmf_GetPowerUnits rssmf_SetVelocityUnits rssmf_GetVelocityUnits rssmf_SetBlankWidth rssmf_GetBlankWidth rssmf_DevicePreset Modified functions: rssmf_init (USB support added) rssmf_confFrequencySweep rssmf_CALibrationFrequency rssmf_CALibrationLevel rssmf_SetFrequencySweepSpacing rssmf_readToFile rssmf_revision_query
2.04.1	08/2007	Fixed ID query parsing in rssmf_init for older firmware version 2.04.154.
2.04.0	07/2007	Driver created

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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 75 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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