

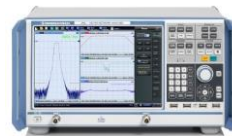
LabWindows/CVI, VXIplug driver history for the R&S® Vector Network Analyzers Driver Documentation

Products:

| R&S®ZNA



| R&S®ZND



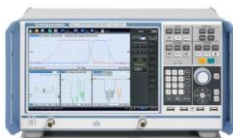
| R&S®ZNB



| R&S®ZNB1



| R&S®ZNC



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

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1 Supported Instruments

In the following table, the supported Rohde & Schwarz 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
ZNA	2.00	Compatibility support
ZNB	3.11	
ZNC	2.94	
ZND	3.11	
ZNBT	3.11	

2 LabWindows/CVI and VXIplug&play history

rsvna Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play		
Revision	Date	Note
3.11.0	08/2020	<ul style="list-style-type: none"> - New core 3.10.0 - "Port" repeated capability now permits up to 312 physical ports * New: - Infinite Averaging (Class) - Distance To Fault (Class) - Display (Class) - Test (Class) - By Port Group (Class) - Fixture Modeling (Class) - Harmonic (Class) - Info Window (Class) - Menu Key (Class) - TDR (Class) - Data Memory (Class) - rsvna_FileListofFavoriteRecallSet - rsvna_ConfigurePrintColorScheme - rsvna_FileStoreDistancetoFaultCableTypes - rsvna_FileLoadDistancetoFaultCableTypes - rsvna_FileAddedComment - rsvna_ConfigureFileSymmetricParams - rsvna_DefineSweepandMeasurement - rsvna_DefineSweepandMeasurementWithArguments - rsvna_QuerySweepandMeasurementDefinition - rsvna_ConfigureTraceDisplayLabel - rsvna_ConfigureTraceProbeTipImpedance - rsvna_QueryTraceProbeTipImpedance - rsvna_TraceUserDefinedMathFormatted - rsvna_ConfigureTraceMathFormattedState - rsvna_ConfigureTraceMathFormattedFunction - rsvna_ConfigureTimeDomainVSWREnabled - rsvna_ConfigureTraceStatisticalReference - rsvna_ConfigureTraceStatisticalManualReferenceLevel - rsvna_ConfigureTraceStatisticalManualReferencePhase - rsvna_ConfigureTraceStatisticalReferenceMarker - rsvna_ConfigureTraceStatisticalReferenceRange

rsvna Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play		
Revision	Date	Note
		<ul style="list-style-type: none"> - rsvna_ConfigureTraceStatisticalCompressionPhase - rsvna_TraceDataExtrapolation - rsvna_ConfigureLimitLineSegmentFormula - rsvna_ConfigureLimitLineSegmentInterpolation - rsvna_QueryLimitLineFailData - rsvna_ConfigureMarkerReferenceFormat - rsvna_ConfigureMarkerThreshold - rsvna_ConfigureMarkerCoupledMarkers - rsvna_ConfigureMarkerCouplingType - rsvna_ConfigureMarkerExcursion - rsvna_ConfigureMarkerMultiplePeakExcursion - rsvna_ConfigureMarkerMultiplePeakThreshold - rsvna_ConfigureSweepSegmentPortLevel - rsvna_SelectCalibrationTypeSimple - rsvna_ConfigureMulticalibrationType - rsvna_ConfigureCalibrationAutoMinimumConnect - rsvna_ConfigureCalibrationAutoCommonPort - rsvna_CalibrationTerminateSystemErrorCorrection - rsvna_CalibrationClean - rsvna_ConfigureCalibrationWaveCorrectionEnabled - rsvna_ConfigureCalibrationCalculateAfterDeembed - rsvna_ConfigureCalibrationStandard - rsvna_ConfigureSourcePowerFlatnessCalibrationState - rsvna_ConfigureSourcePowerFlatnessCalibrationMethod - rsvna_ConfigureSourcePowerCalibrationGeneratorMinimumSettlingDelay - rsvna_ConfigureSourcePowerSweepEndMode - rsvna_ConfigureSourcePowerSweepEndSettlingDelay - rsvna_ConfigureReferenceReceiverEnabled - rsvna_ConfigureGPIORange - rsvna_QueryGPIOShunt - rsvna_GPIOStartAllMeasurements - rsvna_ConfigureGPIOMeasurementTime - rsvna_QueryGPIOSum - rsvna_GPIOCurrentMeasurement - rsvna_GPIOCurrentMeasurementAll - rsvna_GPIOVoltageMeasurement - rsvna_GPIOVoltageMeasurementAll - rsvna_ConfigureParallelMeasurementPortGroupsPortOrder - rsvna_ConfigureParallelMeasurementPortGroupsWithFrequencyOffsetEnabled - rsvna_QueryParallelMeasurementPortGroupsStateIndicationWarning - rsvna_ConfigureFrequencyConversionMixer

rsvna Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play		
Revision	Date	Note
		<ul style="list-style-type: none"> - rsvna_ConfigureAGCAIIAAndBWaves - rsvna_ConfigureAGCSegmentAllAAndBWaves - rsvna_LoadSingleEndedPortCircuitModelDataInverted - rsvna_ConfigureVirtualNetworkGroundLoopPerPortGroup - rsvna_ConfigureStartInPreset - rsvna_ConfigureSetAllTracesto0 - rsvna_ConfigureUserPortOptionalColumns - rsvna_ConfigureDisplayTitle - rsvna_ConfigureDisplayNumberOfTraceColours - rsvna_QuerySystemSCPICommands - rsvna_QueryImplementedSCPICommands - rsvna_SystemHelpSyntax - rsvna_ConfigureGPIBSupresses - rsvna_ConfigureHostname - rsvna_DisplayCorrectionWizardDialog - rsvna_QueryExternalSwitchMatrices - rsvna_QuerySwitchMatrixSerialNumber - rsvna_SetAttributeVilnt64 - rsvna_GetAttributeVilnt64 - rsvna_SetAttributeRawString - rsvna_GetAttributeRawString <p>* Updated:</p> <ul style="list-style-type: none"> - rsvna_ConfigureTraceFormat - Trace formats updated - rsvna_AddLimitLineSegment - Bug fixed, segment parameter now reserved - rsvna_ConfigureCircleLimitCheck - Ripple Check is now Circle Check - rsvna_ConfigureMarkerProperties - Fixed Marker values, help updated - rsvna_MarkerSearch - Search types updated - rsvna_ConfigureAverageMode - Modes, help updated - rsvna_ConfigureSweepMeasDelay - Delay range updated - rsvna_ConfigureSweepType - Sweep Types updated - rsvna_InsertNewSegment - Breaking: Parameters added - rsvna_RedefineSegment - Breaking: Parameters added - rsvna_ConfigureConnector - Connectors updated, ring value names and help corrected - rsvna_ReadCalibrationData - Error Terms, helps updated - rsvna_WriteCalibrationData - Error Terms, helps updated - rsvna_ReadCalibrationDataPort - Error Terms, helps updated - rsvna_WriteCalibrationDataPort - Error Terms, helps updated - rsvna_ReadSwitchMatrixCalibrationData - Error Terms updated - rsvna_WriteSwitchMatrixCalibrationData - Error Terms updated - rsvna_ReadSwitchMatrixCalibrationDataPort - Error Terms updated

rsvna Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play		
Revision	Date	Note
		<ul style="list-style-type: none"> - rsvna_WriteSwitchMatrixCalibrationDataPort - Error Terms updated - rsvna_QueryCalibrationDataParametersSpecific - Types updated - rsvna_QueryCalibrationDataParametersPortSpecific - Types updated - rsvna_DeleteCalibrationKit - Help updated - rsvna_ConfigureCalibrationStandardWithLabel - Breaking: Many changes - rsvna_DeleteCalibrationKitWithLabel - Help updated - rsvna_QuerySourcePowerCalibrationDataParameters - Setting types, help updated - rsvna_PowerMeterSavePowerLossList - Breaking: Channel parameter added - rsvna_PowerMeterLoadPowerLossList - Breaking: Channel parameter added - rsvna_ConfigureFrequencyConversionMeasurementMode - Modes updated; bug fixed - rsvna_ConfigureAGCMode - Range table, default updated, parameter reserved - rsvna_ConfigureAUXTriggerOut - Per Point parameter (bool) now Interval (int) - rsvna_ConfigureVirtualNetworkSingleEndedPort - Ring value errors fixed - rsvna_ConfigureVirtualNetworkBalancedData - Interchange values updated - rsvna_ConfigureVirtualNetworkDifferentialMatchData - Helps - rsvna_DiagramAreaCatalog - Window is now Reserved - rsvna_ConfigureColorScheme - Schemes updated - rsvna_ConfigureCalibrationAutoAveraging - Avaraging now Averaging - rsvna_SetStatusRegister - Ring values now constants - rsvna_GetStatusRegister - Ring values now constants - rsvna_ConfigureSwitchMatrixState - Bug fixed, correctly resets Matrix repcap - rsvna_SetOPCTimeout - Timeout control changed to ViInt32 - rsvna_GetOPCTimeout - Timeout control changed to ViInt32
2.50.0	01/2019	<ul style="list-style-type: none"> - New core 3.x.x - Added compatibility support for R&S ZNA Network Analyzer * New - rsvna_ConfigureAutoSystemErrQuery - rsvna_ConfigureMultiThreadLocking - rsvna_GetAttributeRepCapName - rsvna_GetOPCTimeout - rsvna_SetOPCTimeout * Modified - rsvna_ConfigureErrorChecking - changed API: added last parameter statusChecking
2.42.0	01/2018	<ul style="list-style-type: none"> * Breaking Changes: - Changed "Block Data" array parameter to content of a "Touchstone File": <li style="padding-left: 20px;">rsvna_ConfigureVirtualNetworkSingleEndedData <li style="padding-left: 20px;">rsvna_ConfigureVirtualNetworkBalancedData <li style="padding-left: 20px;">rsvna_ConfigureVirtualNetworkDifferentialMatchData
2.41.0	12/2017	<ul style="list-style-type: none"> * Modified:

rsvna Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play		
Revision	Date	Note
		<ul style="list-style-type: none"> - rsvna_WriteFromFileToInstrument - fixed - added rsvna_queryDataUnknownLengthString_ReadCallback: <ul style="list-style-type: none"> RSVNA_ATTR_FILE_RECALL_SET_CATALOG RSVNA_ATTR_TRACE_CHANNEL_CATALOG RSVNA_ATTR_TRACE_CHANNEL_CATALOG_BALANCED_PORTS RSVNA_ATTR_TRACE_CATALOG RSVNA_ATTR_TRACE_NAME_CATALOG RSVNA_ATTR_TRACE_RESPONSE_S_DATA_CATALOG RSVNA_ATTR_CALIBRATION_CONNECTOR_TYPE_CATALOG RSVNA_ATTR_CHANNEL_CATALOG RSVNA_ATTR_DISPLAY_DIAGRAM_AREA_CATALOG RSVNA_ATTR_DISPLAY_TRACE_DIAGRAM_AREA_CATALOG
2.40.0	04/2017	<ul style="list-style-type: none"> * Analyzer port number extended from 8 to 24 * New: <ul style="list-style-type: none"> - rsvna_TraceExportDataPortsVariable * Breaking changes: <ul style="list-style-type: none"> - rsvna_ConfigureCalibrationStandard - deleted, replacement is rsvna_ConfigureCalibrationStandardExt
2.30.0	11/2016	<ul style="list-style-type: none"> * Added more rigorous check for Repeated Capabilities * New: <ul style="list-style-type: none"> - rsvna_ClearStatus - rsvna_IDQueryResponse - rsvna_ProcessAllPreviousCommands - rsvna_QueryOPC - rsvna_SetFastSweepMode - rsvna_SetVISATimeout - rsvna_GetVISATimeout * Breaking Changes: <ul style="list-style-type: none"> - rsvna_AddCalibrationKitAuto - added Timeout to API - rsvna_CalibrationAutoSimplified - added Timeout to API - rsvna_CalibrationAutoTypeSimplified - added Timeout to API - rsvna_CalibrationAutoType - added Timeout to API - rsvna_CalibrationAuto - added Timeout to API - rsvna_ConfigureCalibrationKitAuto - added Timeout to API * Modified: <ul style="list-style-type: none"> - rsvna_SelectRatios - SCPI command parameters corrected for Ratios 2 (b2/a2 Src Port 2) and 3 (b1/a2 Src Port 2) - rsvna_RecallSetManager - when loading Recall Set, dynamic repeated capabilities are synchronized with instrument's
2.21.0	10/2015	<ul style="list-style-type: none"> * New:

rsvna Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play		
Revision	Date	Note
		<ul style="list-style-type: none"> - rsvna_SelectPowerSensorMeasurement - rsvna_ConfigureFrequencyMinMax - rsvna_ConfigureDisplayUpdate - rsvna_DisplayUpdateOnce - rsvna_ConfigureMarkerState * Modified: <ul style="list-style-type: none"> - rsvna_SelectRatios - SCPI command parameter array corrected - Line 3 (MM) Standard SCPI command parameter (value 9) corrected in these functions: <ul style="list-style-type: none"> - rsvna_QueryCalibrationUnitCharacterizationData - rsvna_ConfigureCalibrationStandard - rsvna_ConfigureCalibrationStandardExt - rsvna_LoadCalibrationKit - rsvna_ConfigureCalibrationStandardWithLabel - rsvna_LoadCalibrationKitWithLabel - rsvna_ReadCalibrationKitWithLabelSPParameterData
2.20.2	01/2015	<ul style="list-style-type: none"> * Modified: <ul style="list-style-type: none"> - rsvna_ActivatePowerCalibrations - added Channel parameter - RSVNA_ATTR_CALIBRATION_CONNECTOR_TYPE_CATALOG - repeated capability 'Channel' removed * Deleted: <ul style="list-style-type: none"> - RSVNA_ATTR_SWEEP_SEGMENT_NUMBER duplicated, use RSVNA_ATTR_QUERY_SWEEP_SEGMENT_COUNT instead
2.20.1	12/2014	<ul style="list-style-type: none"> * Added support for ZND instrument
2.20.0	07/2014	<ul style="list-style-type: none"> * Support for firmware version 2.20 * New: <ul style="list-style-type: none"> - rsvna_ConfigureLogicalPortReferenceImpedanceDefault - rsvna_DeleteMemoryTraceAll - rsvna_DeleteMemoryTraceAllChannel - rsvna_ConfigureCalibrationStandardExt - rsvna_ConfigureCalibrationDelayMode - rsvna_LoadCalibrationKitWithLabel - rsvna_ReadCalibrationKitWithLabelSPParameterData - rsvna_ConfigureRFFESettings - rsvna_ConfigureRFFECCommand - rsvna_ConfigureGPIO - rsvna_QuerySweepSequencerCount - rsvna_DeleteAllSweepSequencerItems - rsvna_ConfigureSweepSequencerRFFECCommand - rsvna_ConfigureSweepSequencerGPIOVoltage - rsvna_ConfigureSweepSequencerDelayTime - rsvna_DefineParallelMeasurementPortGroup

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Driver history for LabWindows/CVI and VXIplug&play		
Revision	Date	Note
		<ul style="list-style-type: none"> - rsvna_ConfigureParallelMeasurementPortGroupName - rsvna_ConfigureParallelMeasurementNumberOfPorts - rsvna_ConfigureParallelMeasurementDUTPort - rsvna_ConfigureOffsetCompensation - rsvna_DefineVirtualNetworkPortSet - rsvna_ImportFixtureCompensation - rsvna_ExportFixtureCompensation - rsvna_ConfigureRemoteEncoding - rsvna_QueryProgramReturnValue * Modified: - Removed range checking of attribute RSVNA_ATTR_STIMULUS_INTERNAL_SOURCE_POWER - rsvna_TraceExportDataPorts - changed API - rsvna_ConfigureCalibrationStandardWithLabel - rsvna_ConfigureVirtualNetworkSingleEndedPort - rsvna_ConfigureVirtualNetworkSingleEndedCircuitModel - rsvna_ConfigureVirtualNetworkBalancedPort - rsvna_ConfigureVirtualNetworkBalancedCircuitModel - rsvna_ConfigureVirtualNetworkPortPair - rsvna_ConfigureVirtualNetworkPortPairCircuitModel - rsvna_ConfigureVirtualNetworkGroundLoop - rsvna_ConfigureVirtualNetworkGroundLoopCircuitModel <p>2013-10-18, Martin Krcmar</p> <ul style="list-style-type: none"> * Version 1.93.0 * Support for firmware version 1.93 * New: - rsvna_TraceImportDataAutoDistribute - rsvna_QueryCalibrationDataParametersSpecific - rsvna_QueryCalibrationDataParametersPortSpecific - rsvna_QuerySourcePowerCalibrationDataParametersSwitchingMatrix - rsvna_DefineVirtualNetworkPortPair - rsvna_DeleteVirtualNetworkPortPair - rsvna_ConfigureVirtualNetworkPortPairState - rsvna_ConfigureVirtualNetworkPortPair - rsvna_ConfigureVirtualNetworkPortPairCircuitModel - rsvna_LoadPortPairCircuitModelData - rsvna_ConfigureVirtualNetworkGroundLoopState - rsvna_ConfigureVirtualNetworkGroundLoop - rsvna_ConfigureVirtualNetworkGroundLoopCircuitModel - rsvna_LoadGroundLoopCircuitModelData - rsvna_ConfigureVirtualNetworkDifferentialMatchState

rsvna Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play		
Revision	Date	Note
		<ul style="list-style-type: none"> - rsvna_ConfigureVirtualNetworkDifferentialMatch - rsvna_ConfigureVirtualNetworkDifferentialMatchData - rsvna_ConfigureVirtualNetworkDifferentialMatchCircuitModel - rsvna_LoadDifferentialMatchCircuitModelData - rsvna_ConfigureRemotePreset * Modified: - rsvna_QuerySourcePowerCalibrationDataParameters
1.93.0	10/2013	<ul style="list-style-type: none"> * Support for firmware version 1.93 * New: - rsvna_TraceImportDataAutoDistribute - rsvna_QueryCalibrationDataParametersSpecific - rsvna_QueryCalibrationDataParametersPortSpecific - rsvna_QuerySourcePowerCalibrationDataParametersSwitchingMatrix - rsvna_DefineVirtualNetworkPortPair - rsvna_DeleteVirtualNetworkPortPair - rsvna_ConfigureVirtualNetworkPortPairState - rsvna_ConfigureVirtualNetworkPortPair - rsvna_ConfigureVirtualNetworkPortPairCircuitModel - rsvna_LoadPortPairCircuitModelData - rsvna_ConfigureVirtualNetworkGroundLoopState - rsvna_ConfigureVirtualNetworkGroundLoop - rsvna_ConfigureVirtualNetworkGroundLoopCircuitModel - rsvna_LoadGroundLoopCircuitModelData - rsvna_ConfigureVirtualNetworkDifferentialMatchState - rsvna_ConfigureVirtualNetworkDifferentialMatch - rsvna_ConfigureVirtualNetworkDifferentialMatchData - rsvna_ConfigureVirtualNetworkDifferentialMatchCircuitModel - rsvna_LoadDifferentialMatchCircuitModelData - rsvna_ConfigureRemotePreset * Modified: - rsvna_QuerySourcePowerCalibrationDataParameters
1.90.0	08/2013	<ul style="list-style-type: none"> * Support for firmware version 1.90 * New: - rsvna_SelectBalancedPortsSParameters - rsvna_TraceListBalancedPorts - rsvna_SelectCalibrationTypeExtended - rsvna_LoadCalibrationKitByGenderFromFile - rsvna_LoadCalibrationKitByGenderFromPool - rsvna_QueryCalibrationKitData - rsvna_QueryCalibrationKitInfo

rsvna Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play		
Revision	Date	Note
		<ul style="list-style-type: none"> - rsvna_ConfigureVirtualNetworkSingleEndedData - rsvna_ConfigureVirtualNetworkBalancedData - rsvna_QuerySwitchMatrixRelayCount - rsvna_Configure User Defined Physical Port - rsvna_DeleteUserDefinedPhysicalPorts - RSVNA_ATTR_INIT_WAIT_STATE - RSVNA_ATTR_LOGICAL_PORT_ALINGMENT * Modified: - rsvna_SelectCalibrationType - rsvna_ConfigureVirtualNetworkSingleEndedPort - rsvna_ConfigureSweepNumberOfPoints - range fixed
1.80.0	03/2013	<ul style="list-style-type: none"> * Support for firmware version 1.80 * New: - rsvna_ConfigureMarkerTargetFormat - rsvna_GenerateDefaultCalibrationAutoAssignmentWithDetection - rsvna_QueryAllCalibrationAutoAssignmentCount - rsvna_AddCalibrationKitAuto - rsvna_StartAGCLearningSweep - rsvna_SaveAGCLearningResults - rsvna_ConfigureUserDefinedPresetCalibration - rsvna_ConfigureCalibrationAutoAveraging * Modified: - rsvna_GenerateDefaultCalibrationAutoAssignment - rsvna_ConfigureVirtualNetworkSingleEndedPort - rsvna_ConfigureVirtualNetworkSingleEndedCircuitModel - RSVNA_ATTR_CALIBRATION_CONNECTOR – bug fixed (affected function rsvna_ConfigureConnector)
1.70.0	12/2012	<ul style="list-style-type: none"> Support for firmware version 1.70 * New: - Switch Matrix Support - Calibration Auto Assignment support - Logical Ports - Port Groups - rsvna_CreateTraceSParametersGroup - rsvna_ConfigureTimeGateOffsetActivation - rsvna_ClearLimitCheckResults - rsvna_ClearRippleLimitGlobalCheckResult - rsvna_ClearCircleLimitCheckResult - rsvna_QuerySweepSegmentNumber - rsvna_QueryCalibrationPortsState

rsvna Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play		
Revision	Date	Note
		<ul style="list-style-type: none"> - rsvna_ConfigurePortConnectorTypes - rsvna_QueryCalibrationDataParametersCount - rsvna_ConfigureExternalPowerSPParameterCorrection - rsvna_ConfigureCalibrationKitAuto - rsvna_QuerySourcePowerCalibrationDataParameters - rsvna_QuerySourcePowerCalibrationDataParametersCount - rsvna_ConfigureReceiverPowerAttenuation - rsvna_ConfigureReceiverFrequencyConversion - rsvna_ConfigureMixerInputSignal - rsvna_ConfigureCalibrationManagerState - rsvna_ConfigureUIDataFlowDirection - rsvna_ConfigureUIOutputPortsState - rsvna_ConfigureUIDigitalSignal * Modified: - rsvna_DefineBalancedPort - calls into new function rsvna_DefineLogicalPort - rsvna_DeleteBalancedPort - calls into new function rsvna_DeleteLogicalPort - rsvna_DeleteAllBalancedPorts - calls into new function rsvna_DeleteAllLogicalPorts - rsvna_SelectCalibrationType - added new calibration types - rsvna_ConfigureMixerPower
1.61.0	05/2012	<p>Support for ZNB, ZNC firmware version 1.61</p> <ul style="list-style-type: none"> * New functions - rsvna_ShowCircleLimits - rsvna_ConfigureCircleLimitCheck - rsvna_ConfigureCircleLimitLine - rsvna_QueryCircleLimitCheckResult - rsvna_ConfigureZoomOverview - rsvna_ConfigureLayoutSimplified - rsvna_ConfigureLayout - rsvna_JoinLayouts - rsvna_ConfigureCalibrationStandardWithLabels - rsvna_ConfigureCalibrationKitWithLabel - rsvna_ConfigureCalibrationKitUserConnectorTypeWithLabel - rsvna_CalibrationKitCatalogWithLabel - rsvna_CalibrationStandardsCatalogWithLabel - rsvna_ConfigureCalibrationKitLabelWithLabel - rsvna_DeleteCalibrationKitWithLabel - rsvna_ExportKitWithLabel - rsvna_QueryAvailableCalibrationDataCatalog - rsvna_QueryAvailableCalibrationDataCatalogPort - rsvna_ConfigureSweepMeasDelayInsertionPoint

rsvna Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play		
Revision	Date	Note
		<ul style="list-style-type: none"> - rsvna_ConfigureIntermodulationCalSourcePort - rsvna_TemporaryDisableOption * New Attribute only: <ul style="list-style-type: none"> - RSVNA_ATTR_CIRCLE_FAIL_BEEP - RSVNA_ATTR_DISPLAY_TRACE_INFO_STATE - RSVNA_ATTR_ADJUST_TIME_GATE * Modified functions: <ul style="list-style-type: none"> - rsvna_ConfigureAGC - rsvna_ConfigureAGCsegment
1.50.0	04/2012	<p>Support for ZNB, ZNC firmware version 1.50</p> <p>Modifications:</p> <ul style="list-style-type: none"> * New subsystems: <ul style="list-style-type: none"> - Mixer (option K4) - Intermodulation Measurements (option K14) - Fixture Compensation - ENA support (AUX Trigger and Universal Interface) - Automatic Gain Control * Modified functions: <ul style="list-style-type: none"> - rsvna_StartCalibration - added Power Meter - rsvna_ConfigureMarkerBandfilterSearchMode - added None search mode * New functions <ul style="list-style-type: none"> - rsvna_QueryFrequencyRange - rsvna_ConfigureAverageMode - rsvna_ActivatePowerCalibrations - rsvna_SystemVersion - rsvna_setCheckStatus - rsvna_ConfigureSplitType - rsvna_ConfigureSplitGrid *Fixed: <ul style="list-style-type: none"> - rsvna_TraceListCatalog - fixed wrong attribute access that caused sending command with double question mark (RCDRV00001881) - rsvna_ConfigureSourcePowerCalibrationGeneratorOffset - incorrect attribute used
1.40.0	01/2012	<p>Support for ZNB, ZNC firmware version 1.40</p> <p>Modifications:</p> <ul style="list-style-type: none"> * New subsystems: <ul style="list-style-type: none"> - Power Added Efficiency - Source Power Calibration - Receiver Power Calibration - Power Meter Transmission Coefficients

rsvna Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play		
Revision	Date	Note
		<ul style="list-style-type: none"> - Port Config - External Devices * Modified functions: - rsvna_ConfigureDCRange - parameters changed - rsvna_ConfigureAcquisition - attribute RSVNA_ATTR_SWEEP_MODE_CONTINUOUS_ALL_CHANNEL added - rsvna_SelectCalibrationType - bug fixed - rsvna_CalibrationAutoType - Parameters - Full N-port for SMARTerCal added - rsvna_CalibrationAutoTypeSimplified - Parameters - Full N-port for SMARTerCal added - rsvna_QueryCalibrationConnection - Channel ignored - rsvna_ConfigureConnector - BNC added * New functions: - rsvna_TraceDeleteAll - rsvna_TraceDeleteAllChannels - rsvna_TraceResponseDataAllSData - rsvna_TraceResponseSDataCatalog - rsvna_TraceResponseSingleSweepDataFirstLast - rsvna_ConfigurePowerStartStop - rsvna_ConfigureSweepStimulusAxis - rsvna_ConfigureSweepSegmentXAxis - rsvna_CalibrationAutoPower - rsvna_ConfigureCalibrationExternalPowerMeter - rsvna_QueryCalibrationUnitCharacterizationsStandards - rsvna_ReadCalibrationDataPort - rsvna_WriteCalibrationDataPort - rsvna_QueryCalibrationStimulusFrequenciesPort - rsvna_QueryCalibrationDataParametersPort - rsvna_ConfigureCalibrationKitPassword - rsvna_SaveCalibrationKit - rsvna_ConfigureTouchscreenLock - rsvna_ConfigureUserKeyFunction * New Attribute only: - RSVNA_ATTR_LOAD_MATCH_CORRECTION_STATE - RSVNA_ATTR_CALIBRATION_ALL_CHANNELS_STATE - RSVNA_ATTR_DISPLAY_TRACE_COLOR_FOR_LIMIT_LINES - RSVNA_ATTR_DISPLAY_COLORIZE_FAILED_SEGMENTS - RSVNA_ATTR_DISPLAY_SHOW_FAILED_SYMBOLS - RSVNA_ATTR_CALIBRATION_AUTOMATIC_POWER_REDUCTION

rsvna Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play		
Revision	Date	Note
		<ul style="list-style-type: none">- RSVNA_ATTR_STATISTICAL_COMPRESSION_POINT_RESULT_STATE- RSVNA_ATTR_DISPLAY_FREQUENCY_INFO_STATE- RSVNA_ATTR_DISPLAY_CHANNEL_INFO_STATE- RSVNA_ATTR_DISPLAY_ALL_MARKERS_SAME_COLOR- RSVNA_ATTR_DISPLAY_TRACE_COLORS_PER_DIAGRAM- RSVNA_ATTR_DISPLAY_FONT_SIZE- RSVNA_ATTR_NUMBER_OF_TEST_PORTS- RSVNA_ATTR_SOURCE_POWER_CALIBRATION_OTHER_SOURCES- RSVNA_ATTR_CALIBRATION_AUTOMATIC_MEMORY_STATE- RSVNA_ATTR_DISPLAY_HARDKEY_PANEL_STATE- RSVNA_ATTR_DISPLAY_MENU_BAR_STATE- RSVNA_ATTR_DISPLAY_STATUS_BAR_STATE- RSVNA_ATTR_DISPLAY_SOFTTOOL_PANEL_STATE- RSVNA_ATTR_DISPLAY_TITLE_BAR_STATE- RSVNA_ATTR_DISPLAY_TOOLBAR_STATE- RSVNA_ATTR_REPEAT_PREVIOUS_CALIBRATION_CURRENT
1.20.0	07/2011	Support for ZNB, ZNC firmware version 1.20
1.0.0	06/2011	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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