

Driver history for the R&S®ZVL Vector Network Analyzers Driver Documentation

Products:

| R&S®ZVL

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 LabVIEW driver history

Driver history for LabVIEW		
Revision	Date	Note
3.20.0	02/2018	<p>New driver core 6.8.2 supporting simulation mode and logging.</p> <p>Added JPG and PNG formats to rszvl Configure SAN Hardcopy Device.vi</p> <p>Changed icon strip color</p> <p>Changed Palette icon and common VI icons</p> <p>Several bugfixes</p> <p>Added common VIs: rszvl Write Command.vi, rszvl Query with OPC sync.vi, rszvl Write Command with OPC sync.vi</p> <p>New help file format</p>
3.10.2	05/2014	<p>Fixed VIs:</p> <p>rszvl Read To File From Instrument.vi - added trimming of terminating characters</p> <p>Added channel parameter to VIs rszvl Configure SAN Trigger.vi, rszvl Configure SAN Trigger Event Start.vi and rszvl Configure SAN Trigger Source.vi</p>
3.10.1	11/2011	<p>Modifications:</p> <p>rszvl Read SAN Y Trace.vi - :FORM REAL,32;*CLS; added</p> <p>rszvl Fetch SAN Y Trace.vi - :FORM REAL,32;*CLS; added</p> <p>rszvl Get Trace Response Data.vi - strings for formatted and unformatted data corrected</p> <p>rszvl Get Limit Check Result.vi - incorrect wiring</p>
3.10	05/2010	<p>Support for R&S@ZVL Firmware V3.10</p> <p>Added functions/attributes:</p> <p>rszvl Calibration Auto Simplified.vi</p> <p>rszvl Calibration Auto.vi</p> <p>rszvl Generate Calibration Kit File.vi</p> <p>RSZVL_ATTR_NWA_GENERATE_CALIBRATION_KIT_FILE</p> <p>rszvl GetCalibration Port Assignment.vi</p> <p>rszvl Select Active Calibration Unit.vi</p> <p>RSZVL_ATTR_NWA_ACTIVE_CALIBRATION_UNIT</p> <p>rszvl Get AllCalibration Units.vi</p> <p>RSZVL_ATTR_NWA_GET_ALL_CALIBRATION_UNITS</p> <p>rszvl Configure Calibration Unit Standard.vi</p> <p>rszvl Export Calibration Data To Touchstone Format.vi</p> <p>RSZVL_ATTR_NWA_EXPORT_CALIBRATION_DATA_TO_TOUCHSTONE_FORMAT</p> <p>Fixed VIs:</p> <p>rszvl Configure SAN TV Trigger.vi - horizontal lines are sent only if horizontal synchronization is selected</p>
2.30	09/2009	Support for R&S@ZVL Firmware V2.30

Driver history for LabVIEW		
Revision	Date	Note
		<p>Added VIs/attributes:</p> <ul style="list-style-type: none"> rszvl Configure Reference Discrete Marker.vi RSZVL_ATTR_NWA_MARKER_REF_MODE RSZVL_ATTR_NWA_MARKER_REF_TYPE rszvl Configure Reference Fixed Marker.vi rszvl Configure SAN Trigger Event Start.vi RSZVL_ATTR_TRIGGER_EVENT_START rszvl Query Trace Display State.vi rszvl Configure Trace Custom Header.vi rszvl Trace Export Data With Options Extended.vi rszvl Show Ripple Limits.vi rszvl Configure Ripple Limit Check.vi rszvl Get Ripple Global Limit Check Result.vi rszvl Configure Ripple Segment Limit Check.vi rszvl Get Ripple Limit Check Segment Result.vi rszvl Get Ripple Number Of Limit Ranges.vi rszvl Save Recall Ripple Limit.vi rszvl Add Ripple Limit Line Ranges Segment.vi rszvl Edit Ripple Limit Line Segment.vi rszvl Delete All Ripple Limit Ranges.vi rszvl Configure Ripple Limit Physical Units.vi rszvl Configure Ripple Limit Response Domain Format Units.vi rszvl Configure Length Unit.vi <p>Updates and fixes:</p> <ul style="list-style-type: none"> rszvl Configure Sweep Segment.vi rszvl Configure Source Power.vi rszvl Get Marker Bandfilter Results.vi rszvl Configure SAN Sweep Coupling.vi rszvl Configure Noise Analyzer Settings.vi rszvl Configure WLAN Measurement.vi rszvl Configure WiMAX Measurement rszvl Configure WiMAX Measurement for OFDMA.vi rszvl Configure WiMAX Measurement for WiBro.vi
2.10.0	04/2009	<p>Support for ZVL Firmware V2.10</p> <p>Initial Release for Linux, support for:</p> <ul style="list-style-type: none"> - Mandriva Linux 2008 and Mandriva Linux 2009 - openSUSE 10.3 and openSUSE 11.0 <p>New subsystems added:</p> <ul style="list-style-type: none"> K9 - Power Meter

Driver history for LabVIEW		
Revision	Date	Note
		<p>K20 - Cable TV Analyzer</p> <p>New VIs/attributes:</p> <ul style="list-style-type: none"> rszvl Trace Add Diagram Area By Name.vi rszvl Configure Trace Aperture.vi rszvl Trace Display State.vi rszvl Query Trace Display State.vi rszvl Configure Trace Custom Header.vi rszvl Trace Export Data With Options Extended.vi rszvl Show Ripple Limits.vi rszvl Configure Ripple Limit Check.vi rszvl Get Ripple Global Limit Check Result.vi rszvl Configure Ripple Segment Limit Check.vi rszvl Get Ripple Limit Check Segment Result.vi rszvl Get Ripple Number Of Limit Ranges.vi rszvl Save Recall Ripple Limit.vi rszvl Add Ripple Limit Line Ranges Segment.vi rszvl Edit Ripple Limit Line Segment.vi rszvl Delete All Ripple Limit Ranges.vi rszvl Configure Ripple Limit Physical Units.vi rszvl Configure Ripple Limit Response Domain Format Units.vi rszvl Configure Length Unit.vi <p>Modified VIs:</p> <ul style="list-style-type: none"> rszvl Configure S-Parameters.vi rszvl Configure Spectrogram Marker Search Area.vi rszvl Configure Noise ENR Settings.vi rszvl Configure Noise Loss Output Settings.vi rszvl Configure 3GPP FDD BS WCDP Measurement.vi rszvl Configure 3GPP FDD BS WCDP Result Type.vi rszvl Configure WiMAX SEM Measurement.vi - control name changed
1.20.1	09/2008	<p>- Release for ZVL Firmware 1.20</p> <p>Modifications:</p> <p>Only for LabVIEW Application Builder</p> <ul style="list-style-type: none"> - Modification of rszvl_core VIs
1.20	05/2008	<p>- Release for ZVL Firmware 1.20</p> <p>Modifications:</p> <ul style="list-style-type: none"> - New subsystems added: <ul style="list-style-type: none"> - K7 - Analog Demodulator - K8 - Bluetooth Analyzer

Driver history for LabVIEW		
Revision	Date	Note
		<ul style="list-style-type: none"> - K14 - Spectrogram Measurement - K30 - Noise Figure and Gain Measurement - K72 - 3GPP FDD Base Station Test - K91 - WLAN - K93 - WiMAX <p>- New VIs/attributes:</p> <ul style="list-style-type: none"> rszvl Option Checking.vi rszvl Configure RF Output.vi rszvl Set Correction State.vi rszvl Get Calibration State.vi rszvl Query Limit Line Segment Count.vi rszvl Save Distance To Fault Cable.vi rszvl Load Distance To Fault Cable.vi rszvl Configure Fault Limit Check.vi rszvl Configure Fault Threshold.vi rszvl Query Fault Count.vi rszvl Query Fault Data.vi rszvl Configure SAN TV Trigger Source.vi rszvl Configure SAN TV Trigger.vi rszvl Configure SAN TV Trigger Free Run State.vi rszvl Get SAN Sweep Number.vi <p>- Modified VIs:</p> <ul style="list-style-type: none"> rszvl Configure Instrument Mode.vi - added new modes rszvl Query Instrument Mode.vi - added new modes rszvl Configure Distance To Fault Add Cable.vi - Hz added to the end of the cmd string rszvl SAN Data Set File Select Items.vi - Spectrogram added rszvl Set Status Register.vi - added new modes rszvl Get Status Register.vi - added new modes
1.10.1	11/2007	<ul style="list-style-type: none"> - Release for ZVL Firmware 1.10 <p>Modifications:</p> <ul style="list-style-type: none"> - Minor fixes in express VI
1.10	09/2007	<ul style="list-style-type: none"> - Release for ZVL Firmware 1.10 <p>Created.</p>

2 LabWindows/CVI and VXIplug&play driver history

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
3.20.0	03/2018	<ul style="list-style-type: none"> - Fixed rszvl_ReadToFileFromInstrument - New core
3.10.3	03/2017	<ul style="list-style-type: none"> - Fixed 64bit version - New core
3.10.2	05/2014	Added channel parameter to functions rszvl_ConfigureSANTrigger, rszvl_ConfigureSANTriggerEventStart and rszvl_ConfigureSANTriggerSource
3.10.1	08/2012	Modifications: 64bit version, new installers, updated core
3.10	05/2010	<p>Support for R&S@ZVL Firmware V3.10</p> <p>Added functions/attributes:</p> <ul style="list-style-type: none"> - rszvl_CalibrationAutoSimplified - rszvl_CalibrationAuto - rszvl_GenerateCalibrationKitFile - rszvl_GetCalibrationPortAssignment - rszvl_SelectActiveCalibrationUnit - rszvl_GetAllCalibrationUnits - rszvl_ConfigureCalibrationUnitStandard - rszvl_ExportCalibrationDataToTouchstoneFormat <p>Fixed functions:</p> <ul style="list-style-type: none"> - rszvl_ConfigureSANTVTrigger - horizontal lines are sent only if horizontal synchronization is selected
2.30.0	09/2009	<p>Support for ZVL Firmware V2.30</p> <p>Added functions/attributes:</p> <ul style="list-style-type: none"> - rszvl_ConfigureReferenceDiscreteMarker - RSZVL_ATTR_NWA_MARKER_REF_MODE - RSZVL_ATTR_NWA_MARKER_REF_TYPE - rszvl_ConfigureReferenceFixedMarker - rszvl_ConfigureSANTriggerEventStart - RSZVL_ATTR_TRIGGER_EVENT_START - rszvl_QueryTraceDisplayState - rszvl_ConfigureTraceCustomHeader - rszvl_TraceExportDataWithOptionsExtended - rszvl_ShowRippleLimits

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> - rszvl_ConfigureRippleLimitCheck - rszvl_GetRippleGlobalLimitCheckResult - rszvl_ConfigureRippleSegmentLimitCheck - rszvl_GetRippleLimitCheckSegmentResult - rszvl_GetRippleNumberOfLimitRanges - rszvl_SaveRecallRippleLimit - rszvl_AddRippleLimitLineRangesSegment - rszvl_EditRippleLimitLineSegment - rszvl_DeleteAllRippleLimitRanges - rszvl_ConfigureRippleLimitPhysicalUnits - rszvl_ConfigureRippleLimitResponseDomainFormatUnits - rszvl_ConfigureLengthUnit <p>Updates and fixes:</p> <ul style="list-style-type: none"> - rszvl_ConfigureSweepSegment - rszvl_ConfigureSourcePower - rszvl_GetMarkerBandfilterResults - rszvl_ConfigureSANSweepCoupling - rszvl_ConfigureNoiseAnalyzerSettings - rszvl_ConfigureWlanMeas - rszvl_ConfigureWiMAXMeas - rszvl_ConfigureWiMAXMeasOFDMA - rszvl_ConfigureWiMAXMeasWiBro <p>* Fixed rsidr_core - see rsidr_core.c for list of changes</p>
2.10.0	04/2009	<p>Release for ZVL Firmware V2.10</p> <p>Initial Release for Linux, support for:</p> <ul style="list-style-type: none"> - Mandriva Linux 2008 and Mandriva Linux 2009 - openSUSE 10.3 and openSUSE 11.0 <p>New subsystems added:</p> <ul style="list-style-type: none"> - K9 - Power Meter - K20 - Cable TV Analyzer <p>Added functions/attributes:</p> <ul style="list-style-type: none"> - rszvl_TraceAddDiagramAreaByName - rszvl_ConfigureTraceAperture - rszvl_TraceDisplayState - rszvl_QueryTraceDisplayState - rszvl_ConfigureTraceCustomHeader - rszvl_TraceExportDataWithOptionsExtended - rszvl_ShowRippleLimits

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> - rszvl_ConfigureRippleLimitCheck - rszvl_GetRippleGlobalLimitCheckResult - rszvl_ConfigureRippleSegmentLimitCheck - rszvl_GetRippleLimitCheckSegmentResult - rszvl_GetRippleNumberOfLimitRanges - rszvl_SaveRecallRippleLimit - rszvl_AddRippleLimitLineRangesSegment - rszvl_EditRippleLimitLineSegment - rszvl_DeleteAllRippleLimitRanges - rszvl_ConfigureRippleLimitPhysicalUnits - rszvl_ConfigureRippleLimitResponseDomainFormatUnits - rszvl_ConfigureLengthUnit <p>Updates and fixes:</p> <ul style="list-style-type: none"> - rszvl_ConfigureInstrumentMode - rszvl_QueryInstrumentMode - rszvl_ConfigureSpectrogramMarkerSearchArea - rszvl_GetError - rszvl_ConfigureNoiseENRSettings - rszvl_ConfigureNoiseLoss Output Settings - rszvl_Configure3GPPFDDBSWCDPMeasurement - rszvl_Configure3GPPFDDBSWCDPResultType - rszvl_ConfigureWiMAXSEMMeasurement - control name changed <p>* Fixed rsidr_core - see rsidr_core.c for list of changes</p>
1.20	04/2008	<p>- Release for ZVL Firmware 1.20</p> <p>Modifications:</p> <ul style="list-style-type: none"> - New subsystems added: <ul style="list-style-type: none"> - K7 - Analog Demodulator - K8 - Bluetooth Analyzer - K14 - Spectrogram Measurement - K30 - Noise Figure and Gain Measurement - K72 - 3GPP FDD Base Station Test - K91 - WLAN - K93 - WiMAX - New functions/attributes: <ul style="list-style-type: none"> - rszvl_setCheckOption - rszvl_setCheckRange - rszvl_ConfigureRFOutput - rszvl_SetCorrectionState

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> - rszvl_GetCalibrationState - rszvl_QueryLimitLineSegmentCount - rszvl_SaveDistanceToFaultCable - rszvl_LoadDistanceToFaultCable - rszvl_ConfigureFaultLimitCheck - rszvl_ConfigureFaultThreshold - rszvl_QueryFaultCount - rszvl_QueryFaultData - rszvl_ConfigureSANTVTriggerSource - rszvl_ConfigureSANTVTrigger - rszvl_ConfigureSANTVTriggerFreeRunState - Modified functions/attributes: <ul style="list-style-type: none"> - rszvl_ConfigureInstrumentMode - added new modes - rszvl_QueryInstrumentMode - added new modes - rszvl_ConfigureDistanceToFaultAddCable - Hz added to the end of the cmd string - rszvl_SANDDataSetFileSelectItems - Spectrogram added - rszvl_setStatusRegister - added new modes - rszvl_getStatusRegister - added new modes
1.10.1	11/2007	<ul style="list-style-type: none"> - Release for ZVL Firmware 1.10 Modifications: New rsidr_core version
1.10	09/2007	<ul style="list-style-type: none"> - Release for ZVL Firmware 1.10 Created.

About Rohde & Schwarz

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