

IVI.NET driver history for the R&S® RTB2000 / RTM3000 / RTA4000 Digital Oscilloscopes Driver Documentation

Products:

| R&S® RTB2000 / RTM3000 / RTA4000



Driver history for IVI.NET - C# and Visual Basic .NET

Table of Contents

1	Supported Instruments.....	3
2	Getting Started	3
3	IVI.NET 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
RTB2000	2.400	
RTM2000	6.010	
RTM3000	1.700	
RTA4000	1.700	

2 Getting Started

For detailed description on how to use the driver please refer to the Application Note [1MA268 - How to use Rohde & Schwarz IVI.NET instrument drivers](#)

3 IVI.NET driver history

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
2.4.0	02/2022	<ul style="list-style-type: none"> * Added support for RTM3000 / RTA4000 FW 1.700, RTB2000, FW 2.400 * New Core 3.3.0 * New properties/methods: <ul style="list-style-type: none"> - RsRtx.Trigger.ActionsOnTrigger.ScreenshotDestination - RsRtx.Trigger.ActionsOnTrigger.SaveWaveformDestination - RsRtx.WaveformAcquisition.WaveformExport.Destination - RsRtx.Protocols.SPI.MOSISource - RsRtx.BodePlot.Autoscale - RsRtx.Generator.WaveformGenerator.Burst.TriggerMode - RsRtx.Generator.WaveformGenerator.Burst.TriggerSingle - RsRtx.Generator.PatternGenerator.OutputVoltage - RsRtx.HardcopyandPrinter.ScreenshotExportDestination - RsRtx.UtilityFunctions.QueryOPC() - RsRtx.UtilityFunctions.InstrumentOptions() - RsRtx.UtilityFunctions.HasOptionInstalled() * Modified properties/methods: <ul style="list-style-type: none"> - RsRtx.Acquisition.PeakDetect - Now correctly sets and gets true state - RsRtx.Acquisition.HighResolution - Data type updated, range table added - RsRtx.Label.LabelName - Help updated - RsRtx.Label.Bus.LabelName - Help updated - RsRtx.Trigger.I2C.TriggerConditionLength - Help updated - RsRtx.Trigger.I2C.TriggerBitPattern - Help updated - RsRtx.Trigger.SPI.TriggerOffset - Data type corrected to Vilnt32 - RsRtx.Trigger.SPI.BitPattern - Help updated - RsRtx.Trigger.UART.TriggerMode - Range table updated. - RsRtx.Trigger.LIN.IDPattern - Help updated - RsRtx.Trigger.LIN.TriggerDataPattern - Help updated - RsRtx.Trigger.CAN.TriggerIDPattern - Help updated - RsRtx.Trigger.CAN.TriggerDataPattern - Help updated - RsRtx.WaveformAcquisition.EnvelopeWaveform.ReadEnvelopeWaveform() - U Help corrected - RsRtx.WaveformAcquisition.EnvelopeWaveform.FetchEnvelopeWaveform() - U Help corrected - RsRtx.Measurements.AutomaticMeasurementsStatistics.NumberOfWaveforms - Access now read only, help updated - RsRtx.Measurements.AutomaticMeasurementsStatistics.ExportAutomaticMeasurements.AllSave - Command updated - RsRtx.Search.LIN.SearchIDPattern - Help updated - RsRtx.Search.LIN.SearchDataPattern - Help updated

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.Search.CAN.SearchIDPattern - Help updated - RsRtx.Search.CAN.SearchDataPattern - Help updated - RsRtx.Protocols.I2C.ClockSource - Range table updated. - RsRtx.Protocols.I2C.DataSource - Range table updated. - RsRtx.Protocols.SPI.ClockSource - Range table updated. - RsRtx.Protocols.SPI.SSPI.ClockSource - Range table updated. - RsRtx.Protocols.LIN.Source - Range table updated. - RsRtx.Protocols.CAN.Source - Range table updated. - RsRtx.PowerAnalysis.RippleMeasurement.Results.Results() - Now respects simulation - RsRtx.Generator.WaveformGenerator.Sweep.Type - New range table - RsRtx.Generator.PatternGenerator.CounterFrequency - Help updated - RsRtx.DataManagement.FileDirectoryContent() - format parameter no longer ignored - RsRtx.HardcopyandPrinter.OutputFormat - Range table updated. * Deleted properties/methods: - RsRtx.UtilityFunctions.QueryOPC - replaced with a function * Modified Range Tables: - UARTTxSource.None - RSRTX_ATTR_PROTOCOL_UART_TX_SOURCE_LINE Changed discrete value from 01 to 0 - UARTTriggerType.BurstStart - RSRTX_ATTR_PROTOCOL_UART_TRIGGER_MODE Help changed ("Burst start. Sets the trigger to the begin of a data frame. The frame start is the first start bit after the idle time.", "Burst start") - UARTTriggerType.StartBit - RSRTX_ATTR_PROTOCOL_UART_TRIGGER_MODE Help changed ("Start bit. The start bit is the first low bit after a stop bit.", "Start bit") - UARTTriggerType.NthSymbol - RSRTX_ATTR_PROTOCOL_UART_TRIGGER_MODE Help changed ("Sets the trigger to the n-th symbol of a burst.", "N-th symbol") - UARTTriggerType.Symbol - RSRTX_ATTR_PROTOCOL_UART_TRIGGER_MODE Help changed ("Triggers if a pattern occurs in a symbol at any position in a burst.", "Symbol") - UARTTriggerType.Pattern - RSRTX_ATTR_PROTOCOL_UART_TRIGGER_MODE Help changed ("Triggers on a serial pattern at a defined position in the burst.", "Pattern") - UARTTriggerType.ParityError - RSRTX_ATTR_PROTOCOL_UART_TRIGGER_MODE Help changed ("Parity Error: Triggers if a bit error occurred in transmission.", "Parity error") - UARTTriggerType.Break - RSRTX_ATTR_PROTOCOL_UART_TRIGGER_MODE Help changed ("Triggers if a start bit is not followed by a stop bit within a defined time. During the break the stop bits are at low state.", "Break") - UARTTriggerType - RSRTX_ATTR_PROTOCOL_UART_TRIGGER_MODE New items: FrameError

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - rsrtx_rngFirstBitOffset - RSRTX_ATTR_PROTOCOL_I2C_TRIGGER_FIRST_BYTE_OFFSET, RSRTX_ATTR_PROTOCOL_SPI_TRIGGER_OFFSET, RSRTX_ATTR_PROTOCOL_UART_TRIGGER_DATA_POSITION_INDEX_MIN Changed data type ("ViInt32", "ViReal64") - TriggerOutMode.Mask - RSRTX_ATTR_TRIGGER_OUT_MODE Help changed ("Outputs a pulse when a mask is violated. Only available if a mask is specified.", "Outputs a pulse when a mask is violated. This function is only available if a mask is specified.") - HardcopyFormat.Bmp - RSRTX_ATTR_HARDCOPY_OUTPUT_FORMAT Help changed ("BMP output format", "bmp output format.") - HardcopyFormat.Png - RSRTX_ATTR_HARDCOPY_OUTPUT_FORMAT Help changed ("PNG output format", "png output format") - HardcopyFormat - RSRTX_ATTR_HARDCOPY_OUTPUT_FORMAT New items: Gif
1.5.1	02/2021	<ul style="list-style-type: none"> * New core 2.13.0 * Fixed setting of initial VISA Timeout which previously led to VISA timeout error in the driver constructor.
1.5.0	01/2021	<ul style="list-style-type: none"> * New core 2.12.0 – there is only one universal driver assembly compiled for AnyCPU. You can use it for 32-bit, 64-bit, or AnyCPU builds.
1.4.0	04/2020	<ul style="list-style-type: none"> * Added support for RTM3000 / RTA4000 FW 1.600 * New properties/methods: <ul style="list-style-type: none"> - RsRtx.Probe.CopyToOffset - RsRtx.Probe.AttenuatorRTZA15Enabled - RsRtx.Probe.ZeroAdjust - RsRtx.Probe.ProbeSaveZeroAdjust - RsRtx.Probe.InputVoltageRange - RsRtx.Probe.BandwidthLimit - RsRtx.Probe.AudibleOverrange - RsRtx.Probe.MeasMode - RsRtx.Probe.ProbeACCoupling - RsRtx.Probe.ProbeMeter.Visibility - RsRtx.Probe.ProbeMeter.ResultSingle - RsRtx.Probe.ProbeMeter.ResultCommon - RsRtx.Probe.ProbeMeter.ResultDifferential - RsRtx.Probe.ProbeMeter.ResultNegative - RsRtx.Probe.ProbeMeter.ResultPositive - RsRtx.Trigger.ActionsOnTrigger.Enabled - RsRtx.Trigger.ActionsOnTrigger.Sound - RsRtx.Trigger.ActionsOnTrigger.Screenshot - RsRtx.Trigger.ActionsOnTrigger.SaveWaveform - RsRtx.Trigger.ActionsOnTrigger.References - RsRtx.Trigger.ActionsOnTrigger.PulseOut

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.Measurements.Main.DelayMarkerVisible - RsRtx.Measurements.Main.DelayDirection() - RsRtx.Measurements.AutomaticMeasurementsStatistics.TimeoutAuto - RsRtx.Measurements.AutomaticMeasurementsStatistics.Timeout * Modified properties/methods: - RsRtx.Measurements.Main.AmplitudeTime - DTO Trigger is new. * Deleted properties/methods: - RsRtx.Mask.Print - RsRtx.UtilityFunctions.IDQueryResponse * Modified Range Tables: - AmplitudeTimeMeasurementType - RSRTX_ATTR_AMPT_MAIN_MEASUREMENT <p style="text-align: center;">New items: DTOTrigger</p>
1.3.0.0	01/2020	<ul style="list-style-type: none"> * New Core version 2.8.3.41 * Added support for RTB2000, FW 2.202, RTM3000, FW 1.550, RTA4000 FW 1.550 * New properties/methods: - RsRtx.Acquisition.NumberOfAveragesCurrent - RsRtx.Acquisition.MemoryMode - RsRtx.Acquisition.RollModeAutomatic - RsRtx.Acquisition.RollModeMinimumTimeBase - RsRtx.Probe.Degauss - RsRtx.Probe.Gain - RsRtx.Probe.GainUnit - RsRtx.Probe.GainManual - RsRtx.Channel.ZeroOffset - RsRtx.Channel.Position - RsRtx.Channel.ChannelWaveformColor - RsRtx.Logic.ProbeConnected - RsRtx.Logic.PointSelection - RsRtx.Logic.DataPoints - RsRtx.WaveformAcquisition.DigitalData.Samples - RsRtx.WaveformAcquisition.SpectrumData.Samples - RsRtx.WaveformAcquisition.SpectrumData.Read() - RsRtx.WaveformAcquisition.SpectrumData.Fetch() - RsRtx.WaveformAcquisition.SpectrumData.Header() - RsRtx.WaveformAcquisition.SpectrumData.Minimum.Samples - RsRtx.WaveformAcquisition.SpectrumData.Minimum.Read() - RsRtx.WaveformAcquisition.SpectrumData.Minimum.Fetch()

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.WaveformAcquisition.SpectrumData.Minimum.Header() - RsRtx.WaveformAcquisition.SpectrumData.Maximum.Samples - RsRtx.WaveformAcquisition.SpectrumData.Maximum.Read() - RsRtx.WaveformAcquisition.SpectrumData.Maximum.Fetch() - RsRtx.WaveformAcquisition.SpectrumData.Maximum.Header() - RsRtx.WaveformAcquisition.SpectrumData.Average.Samples - RsRtx.WaveformAcquisition.SpectrumData.Average.Read() - RsRtx.WaveformAcquisition.SpectrumData.Average.Fetch() - RsRtx.WaveformAcquisition.SpectrumData.Average.Header() - RsRtx.WaveformAcquisition.SpectrumDataConversion.XStart - RsRtx.WaveformAcquisition.SpectrumDataConversion.XIncrement - RsRtx.WaveformAcquisition.SpectrumDataConversion.YStart - RsRtx.WaveformAcquisition.SpectrumDataConversion.YIncrement - RsRtx.WaveformAcquisition.SpectrumDataConversion.YResolution - RsRtx.WaveformAcquisition.SpectrumDataConversion.Minimum.XStart - RsRtx.WaveformAcquisition.SpectrumDataConversion.Minimum.XIncrement - RsRtx.WaveformAcquisition.SpectrumDataConversion.Minimum.YStart - RsRtx.WaveformAcquisition.SpectrumDataConversion.Minimum.YIncrement - RsRtx.WaveformAcquisition.SpectrumDataConversion.Minimum.YResolution - RsRtx.WaveformAcquisition.SpectrumDataConversion.Maximum.XStart - RsRtx.WaveformAcquisition.SpectrumDataConversion.Maximum.XIncrement - RsRtx.WaveformAcquisition.SpectrumDataConversion.Maximum.YStart - RsRtx.WaveformAcquisition.SpectrumDataConversion.Maximum.YIncrement - RsRtx.WaveformAcquisition.SpectrumDataConversion.Maximum.YResolution - RsRtx.WaveformAcquisition.SpectrumDataConversion.Average.XStart - RsRtx.WaveformAcquisition.SpectrumDataConversion.Average.XIncrement - RsRtx.WaveformAcquisition.SpectrumDataConversion.Average.YStart - RsRtx.WaveformAcquisition.SpectrumDataConversion.Average.YIncrement - RsRtx.WaveformAcquisition.SpectrumDataConversion.Average.YResolution - RsRtx.Cursors.SecondSource - RsRtx.Cursors.SecondSourceEnable - RsRtx.Measurements.Gate.Enable - RsRtx.Measurements.Gate.Mode - RsRtx.Measurements.Gate.AbsoluteStart - RsRtx.Measurements.Gate.AbsoluteEnd - RsRtx.Measurements.Gate.RelativeStart - RsRtx.Measurements.Gate.RelativeEnd - RsRtx.Mathematics.General.WaveformLabel - RsRtx.Mathematics.General.WaveformLabelState - RsRtx.Mathematics.General.WaveformColor - RsRtx.Mathematics.Tracks.EdgePolarity

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.Mathematics.Tracks.DoublePulseEnable - RsRtx.Mathematics.Tracks.ThresholdHysteresis - RsRtx.Mathematics.Tracks.ThresholdLower - RsRtx.Mathematics.Tracks.ThresholdUpper - RsRtx.ReferenceWaveforms.Label - RsRtx.ReferenceWaveforms.Color - RsRtx.Mask.SegmentCaptureMode - RsRtx.Protocols.SPI.MISOSource - RsRtx.Protocols.SPI.CSSource - RsRtx.Protocols.SPI.MOSIPolarity - RsRtx.Protocols.SPI.MISOPolarity - RsRtx.Protocols.SPI.SSPI.MISOSource - RsRtx.Protocols.SPI.SSPI.MOSIPolarity - RsRtx.Protocols.SPI.SSPI.MISOPolarity - RsRtx.Protocols.UART.IdleStatePolarity - RsRtx.Protocols.UART.FrameState - RsRtx.Protocols.UART.RxFrameState - RsRtx.Protocols.UART.TxFrameState - RsRtx.Protocols.UART.FrameStart - RsRtx.Protocols.UART.RxFrameStart - RsRtx.Protocols.UART.TxFrameStart - RsRtx.Protocols.UART.FrameEnd - RsRtx.Protocols.UART.RxFrameEnd - RsRtx.Protocols.UART.TxFrameEnd - RsRtx.Protocols.ParallelBus.Line.BitSource - RsRtx.Protocols.ParallelBus.ParallelBusClocked.Line.BitSource - RsRtx.Protocols.MILSTD.WordResults.BitStatus.ServiceRequest - RsRtx.PowerAnalysis.ModulationMeasurement.ThresholdUpper - RsRtx.PowerAnalysis.ModulationMeasurement.ThresholdLower - RsRtx.PowerAnalysis.ModulationMeasurement.ThresholdHysteresis - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.ViolationStr - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.Violation() - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Total.Point.ViolationStr - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Total.Point.Violation() - RsRtx.SpectrumAnalysis.FrequencyDomain.WindowPosition - RsRtx.SpectrumAnalysis.FrequencyDomain.FullSpan - RsRtx.SpectrumAnalysis.Spectrogram.WindowPosition - RsRtx.SpectrumAnalysis.Marker.Results.ReferenceFrequency - RsRtx.SpectrumAnalysis.Marker.Results.ReferenceLevel - RsRtx.SpectrumAnalysis.Marker.Results.Frequency() - RsRtx.SpectrumAnalysis.Marker.Results.FrequencyDelta()

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.SpectrumAnalysis.Marker.Results.Level() - RsRtx.SpectrumAnalysis.Marker.Results.LevelDelta() - RsRtx.DigitalVoltmeterAndCounter.Counter.CounterSource - RsRtx.BodePlot.Enable - RsRtx.BodePlot.StartFrequency - RsRtx.BodePlot.StopFrequency - RsRtx.BodePlot.InputChannel - RsRtx.BodePlot.OutputChannel - RsRtx.BodePlot.GainEnable - RsRtx.BodePlot.GainPosition - RsRtx.BodePlot.GainScale - RsRtx.BodePlot.PhaseEnable - RsRtx.BodePlot.PhasePosition - RsRtx.BodePlot.PhaseScale - RsRtx.BodePlot.AmplitudeEnable - RsRtx.BodePlot.AmplitudePosition - RsRtx.BodePlot.AmplitudeScale - RsRtx.BodePlot.StartMeasurement - RsRtx.BodePlot.StopMeasurement - RsRtx.BodePlot.MeasurementState - RsRtx.BodePlot.RepeatedMeasurementEnable - RsRtx.BodePlot.Reset - RsRtx.BodePlot.AmplitudeMode - RsRtx.BodePlot.PointsPerDecade - RsRtx.BodePlot.MeasurementPointsDisplayEnable - RsRtx.BodePlot.MeasurementDelay - RsRtx.BodePlot.ExportName - RsRtx.BodePlot.ExportSave - RsRtx.BodePlot.AmplitudeProfile.AmplitudeProfilePoints - RsRtx.BodePlot.AmplitudeProfile.AmplitudeProfilePointAmplitude - RsRtx.BodePlot.AmplitudeProfile.AmplitudeProfilePointFrequency - RsRtx.BodePlot.Marker.Frequency - RsRtx.BodePlot.Marker.Gain - RsRtx.BodePlot.Marker.Phase - RsRtx.BodePlot.Marker.BodePlotMarkerIndex - RsRtx.BodePlot.Marker.FrequencyDifference - RsRtx.BodePlot.Marker.GainDifference - RsRtx.BodePlot.Marker.PhaseDifference - RsRtx.BodePlot.Marker.Reset - RsRtx.BodePlot.Results.FrequencyData() - RsRtx.BodePlot.Results.GainData()

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.BodePlot.Results.PhaseData() - RsRtx.Generator.WaveformGenerator.FunctionGenerator.TriangleSymmetry - RsRtx.Generator.WaveformGenerator.Arbitrary.RangeStart - RsRtx.Generator.WaveformGenerator.Arbitrary.RangeEnd - RsRtx.Generator.WaveformGenerator.Arbitrary.DisplayEnable - RsRtx.Generator.WaveformGenerator.Burst.Enable - RsRtx.Generator.WaveformGenerator.Burst.Cycles - RsRtx.Generator.WaveformGenerator.Burst.IdleTime - RsRtx.Generator.WaveformGenerator.Burst.PhaseOffset - RsRtx.Generator.PatternGenerator.ExternalTriggerSlope - RsRtx.Generator.PatternGenerator.PWM.MotorEnable - RsRtx.Generator.PatternGenerator.PWM.MotorDirection - RsRtx.Generator.PatternGenerator.PWM.DutyCycle - RsRtx.Generator.PatternGenerator.PWM.LEDIntensity - RsRtx.Generator.PatternGenerator.PWM.LEDIntensityBlue - RsRtx.Generator.PatternGenerator.PWM.LEDIntensityGreen - RsRtx.Generator.PatternGenerator.PWM.LEDIntensityRed - RsRtx.Display.DateAndTime - RsRtx.Display.Zoom.WindowPosition - RsRtx.Display.History.Channel.PlayerControlEnable - RsRtx.Display.History.Channel.TimeTableEnable - RsRtx.Display.History.Digital.PlayerControlEnable - RsRtx.Display.History.Digital.TimeTableEnable - RsRtx.Display.History.Math.PlayerControlEnable - RsRtx.Display.History.Math.TimeTableEnable - RsRtx.Display.History.Protocol.PlayerControlEnable - RsRtx.Display.History.Protocol.TimeTableEnable - RsRtx.Display.History.Spectrum.AcquisitionRelativeTime - RsRtx.Display.History.Spectrum.AllDates - RsRtx.Display.History.Spectrum.AllTimeDifferences - RsRtx.Display.History.Spectrum.AllDaytimes - RsRtx.Display.History.Spectrum.AbsoluteTime() - RsRtx.Display.History.Spectrum.AcquisitionDate() - RsRtx.Display.History.Logic.PlayerControlEnable - RsRtx.Display.History.Logic.TimeTableEnable - RsRtx.DataManagement.SaveInstrumentSettingsToPC() - RsRtx.DataManagement.RecallInstrumentSettingsFromPC() - RsRtx.HardcopyandPrinter.CloseDialogs - RsRtx.System.EthernetHTTPPort - RsRtx.System.ReadBytes() - RsRtx.System.ReadString()

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.System.WriteBytes() - RsRtx.System.WriteString() - RsRtx.System.IOTimeout - RsRtx.UtilityFunctions.QueryBinaryBlockToStream() - RsRtx.UtilityFunctions.StatusRegister.Questionable.ADCState.Condition - RsRtx.UtilityFunctions.StatusRegister.Questionable.ADCState.Enable - RsRtx.UtilityFunctions.StatusRegister.Questionable.ADCState.NTransition - RsRtx.UtilityFunctions.StatusRegister.Questionable.ADCState.PTransition - RsRtx.UtilityFunctions.StatusRegister.Questionable.ADCState.Event <p>* Modified properties/methods:</p> <ul style="list-style-type: none"> - RsRtx.Acquisition.TimestampsFilename - Access now read and write - RsRtx.Acquisition.Channel.WaveformType - Help updated - RsRtx.Probe.ProbeAttenuationManual - new range: <0.0001;10000> - RsRtx.DigitalChannel.Apply - Re pcap removed, access now read and write, default changed, help updated - RsRtx.Trigger.SourceA - Help updated - RsRtx.Trigger.SourceB - Help updated - RsRtx.Trigger.TV.Event - Help updated - RsRtx.Trigger.Out.Mode - Help updated - RsRtx.Trigger.Timeout.Range - Help updated - RsRtx.Trigger.UART.ConditionLength - New range: <1;4> - RsRtx.Trigger.LIN.TriggerDataLength - Range table modified - RsRtx.Trigger.CAN.TriggerDataLength - New range: <0;8> - RsRtx.Trigger.AudioSignals.WordSelectSlope - Long form updated - RsRtx.Trigger.AudioSignals.RightCondition - Long form updated - RsRtx.Trigger.AudioSignals.RightMaximum - Long form updated - RsRtx.Trigger.AudioSignals.LeftCondition - Long form updated - RsRtx.Trigger.AudioSignals.LeftMinimum - Long form updated - RsRtx.Trigger.AudioSignals.LeftMaximum - Long form updated - RsRtx.Trigger.AudioSignals.Combination - Long form updated - RsRtx.Trigger.AudioSignals.TrackChannel.Condition - Long form updated - RsRtx.Trigger.AudioSignals.TrackChannel.Minimum - Long form updated - RsRtx.Trigger.AudioSignals.TrackChannel.Maximum - Long form updated - RsRtx.WaveformAcquisition.WaveformExport.ExportName - Access now read and write - RsRtx.WaveformAcquisition.WaveformExport.Source - Range table modified - RsRtx.WaveformAcquisition.WaveformExport.Save - Help updated - RsRtx.Measurements.Main.AmplitudeTime - Range table updated - - RsRtx.Measurements.AutomaticMeasurementsStatistics.ExportAutomaticMeasurements.MeasurementsName - Access now read and write - RsRtx.Measurements.AutomaticMeasurementsStatistics.ExportAutomaticMeasurements.AllName -

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<p>Long form updated, short form updated, repcap removed</p> <ul style="list-style-type: none"> - RsRtx.Measurements.AutomaticMeasurementsStatistics.ExportAutomaticMeasurements.AllSave - Long form updated, short form updated, repcap removed, help updated - RsRtx.ReferenceWaveforms.Reference.Source - Range table modified - RsRtx.Search.WindowRange - Help updated - RsRtx.Search.Export.ExportName - Access now read and write - RsRtx.Search.LIN.SearchDataLength - Range table modified - RsRtx.Search.CAN.SearchDataLength - New range: <0;8> - RsRtx.Protocols.SPI.DataSource - Range table changed, digital channels added - RsRtx.Protocols.SPI.SSPI.DataSource - Range table changed, digital channels added - RsRtx.Protocols.UART.Source - Range table changed, digital channels added - RsRtx.Protocols.UART.RXSourceLine - Range table changed, digital channels added - RsRtx.Protocols.UART.TXSourceLine - Range table changed, digital channels added - RsRtx.Protocols.UART.Polarity - Help updated - RsRtx.Protocols.UART.WordStart - Data type now Real64 - RsRtx.Protocols.UART.RxWordStart - Data type now Real64 - RsRtx.Protocols.UART.TxWordStart - Data type now Real64 - RsRtx.Protocols.UART.WordEnd - Data type now Real64 - RsRtx.Protocols.UART.RxWordEnd - Data type now Real64 - RsRtx.Protocols.UART.TxWordEnd - Data type now Real64 - RsRtx.Protocols.UART.WordSource - Range table added - RsRtx.Protocols.ARINC429.DecodingResults.WordSDI - Range table removed - RsRtx.Protocols.ARINC429.DecodingResults.WordSSM - Range table removed - RsRtx.PowerAnalysis.CurrentHarmonicsMeasurement.CurrentHarmonicsExport.ExportName - Access now read and write - RsRtx.PowerAnalysis.CurrentHarmonicsMeasurement.CurrentHarmonicsExport.Save - Help updated - RsRtx.PowerAnalysis.SlewRateMeasurement.Results.Results() - Help updated - RsRtx.PowerAnalysis.ModulationMeasurement.Results.Results() - Help updated - RsRtx.SpectrumAnalysis.FrequencyDomain.MagnitudeScale - Range table updated - RsRtx.SpectrumAnalysis.Marker.ReferenceMode - Help updated - RsRtx.DigitalVoltmeterAndCounter.Counter.Enable - Repcap removed, command updated - RsRtx.DigitalVoltmeterAndCounter.Counter.Frequency - Repcap removed, command updated - RsRtx.DigitalVoltmeterAndCounter.Counter.Period - Repcap removed, command updated - RsRtx.Generator.PatternGenerator.FunctionType - Range table and help updated - RsRtx.Display.Segmentation.MaximumNumberOfSegments - Access now read and write, help updated - RsRtx.DataManagement.ChangeDrive - Added OPC synchronization - RsRtx.DataManagement.CurrentDirectory - Added OPC synchronization - RsRtx.DataManagement.CreateDirectory - Added OPC synchronization - RsRtx.DataManagement.RemoveDirectory - Added OPC synchronization - RsRtx.DataManagement.DeleteFile - Added OPC synchronization - RsRtx.HardcopyandPrinter.FileName - Access now read and write - RsRtx.System.EthernetIPPort - Range table added

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.System.EthernetVXI11Port - Command corrected, range table added - RsRtx.UtilityFunctions.QueryBinaryBlockToStream() - removed ReadBinaryBlockToStream, replaced with QueryBinaryBlockToStream - RsRtx.UtilityFunctions.StatusRegister.Questionable.Condition - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.Enable - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.NTransition - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.PTransition - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.Event - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.ChannelOverload.Condition - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.ChannelOverload.Enable - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.ChannelOverload.NTransition - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.ChannelOverload.PTransition - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.ChannelOverload.Event - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.Limit.Condition - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.Limit.Enable - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.Limit.NTransition - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.Limit.PTransition - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.Limit.Event - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.Mask.Condition - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.Mask.Enable - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.Mask.NTransition - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.Mask.PTransition - Range table added - RsRtx.UtilityFunctions.StatusRegister.Questionable.Mask.Event - Range table added <p>* Deleted properties/methods:</p> <ul style="list-style-type: none"> - RsRtx.UtilityFunctions.ReadInstrumentData() - RsRtx.UtilityFunctions.ReadBinaryBlockToStream() - RsRtx.UtilityFunctions.ErrorMessage() - RsRtx.UtilityFunctions.QuestionableRegister <p>* Deleted Repeated Capabilities:</p> <ul style="list-style-type: none"> - QRegister - RegisterPart - Counter <p>* Modified Repeated Capabilities:</p> <ul style="list-style-type: none"> - Measurement - Identifiers ("M1,M2,M3,M4,M5,M6,M7,M8", "M1,M2,M3,M4") - Measurement - Command Values ("1,2,3,4,5,6,7,8", "1,2,3,4") - Math - Identifiers ("MA1,MA2,MA3,MA4,MA5", "M1,M2,M3,M4") - Math - Command Values ("1,2,3,4,5", "1,2,3,4") - TDMChannel - Identifiers ("TDM0,TDM1,TDM2,TDM3,TDM4,TDM5,TDM6,TDM7,TDM8", "TDM1,TDM2,TDM3,TDM4,TDM5,TDM6,TDM7,TDM8")

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<p>* Modified Range Tables:</p> <ul style="list-style-type: none"> - WfmArithmetics.Off - RSRTX_ATTR_WAVEFORM_ACQUISITION_TYPE, RSRTX_ATTR_LOGIC_ARITHMETICS, RSRTX_ATTR_MATH_ACQUISITION_TYPE Help changed ("The data of the current acquisition is recorded according to the decimation settings.", "Off - The data of the current acquisition is recorded according to the decimation settings.") - WfmArithmetics.Envelope - RSRTX_ATTR_WAVEFORM_ACQUISITION_TYPE, RSRTX_ATTR_LOGIC_ARITHMETICS, RSRTX_ATTR_MATH_ACQUISITION_TYPE Help changed ("Detects the minimum and maximum values in a sample interval over a number of acquisitions.", "Envelope - Detects the minimum and maximum values in a sample interval over a number of acquisitions.") - WfmArithmetics.Average - RSRTX_ATTR_WAVEFORM_ACQUISITION_TYPE, RSRTX_ATTR_LOGIC_ARITHMETICS, RSRTX_ATTR_MATH_ACQUISITION_TYPE Help changed ("Calculates the average from the data of the current acquisition and a number of acquisitions before. The number of used acquisitions is set with RSRTX_ATTR_NUM_AVERAGES.", "Average - Calculates the average from the data of the current acquisition and a number of acquisitions before.") - WfmArithmetics.Smooth - RSRTX_ATTR_WAVEFORM_ACQUISITION_TYPE, RSRTX_ATTR_LOGIC_ARITHMETICS, RSRTX_ATTR_MATH_ACQUISITION_TYPE Help changed ("Calculates a mean value of several adjacent sample points.", "Smooth - Calculates a mean value of several adjacent sample points.") - WfmArithmetics.Filter - RSRTX_ATTR_WAVEFORM_ACQUISITION_TYPE, RSRTX_ATTR_LOGIC_ARITHMETICS, RSRTX_ATTR_MATH_ACQUISITION_TYPE Help changed ("Sets a low-pass filter with 3 dB attenuation at a configurable limit.", "Filter - Sets a low-pass filter with 3 db attenuation at a configurable limit") - TriggerSource.Ch1 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B Help changed ("Analog input channel 1 is the trigger source. Available channels depend on the instrument type.", "Channel 1") - TriggerSource.Ch2 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B Help changed ("Analog input channel 2 is the trigger source. Available channels depend on the instrument type.", "Channel 2") - TriggerSource.Ch3 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B Help changed ("Analog input channel 3 is the trigger source. Available channels depend on the instrument type.", "Channel 3") - TriggerSource.Ch4 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B Help changed ("Analog input channel 4 is the trigger source. Available channels depend on the instrument type.", "Channel 4") - TriggerSource.External - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B Help changed ("External trigger input on the front panel.", "External Trigger Input") - TriggerSource.ACLine - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B Help changed ("AC power supply line for the line trigger.", "AC Line") - TriggerSource.SerialBus1 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<p>Help changed ("Serial bus 1. Requires at least one protocol option for serial bus (R&S RTM- K1 to K3).", "Serial Bus 1")</p> <ul style="list-style-type: none"> - TriggerSource.SerialBus2 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B <p>Help changed ("Serial bus 2. Requires at least one protocol option for serial bus (R&S RTM- K1 to K3).", "Serial Bus 2")</p> <ul style="list-style-type: none"> - TriggerSource.SerialBus3 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B <p>Help changed ("Serial bus 3. Requires at least one protocol option for serial bus (R&S RTM- K1 to K3).", "Serial Bus 3")</p> <ul style="list-style-type: none"> - TriggerSource.SerialBus4 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B <p>Help changed ("Serial bus 4. Requires at least one protocol option for serial bus (R&S RTM- K1 to K3).", "Serial Bus 4")</p> <ul style="list-style-type: none"> - TriggerSource.Digital0 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 0")</p> <ul style="list-style-type: none"> - TriggerSource.Digital1 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 1")</p> <ul style="list-style-type: none"> - TriggerSource.Digital2 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 2")</p> <ul style="list-style-type: none"> - TriggerSource.Digital3 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 3")</p> <ul style="list-style-type: none"> - TriggerSource.Digital4 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 4")</p> <ul style="list-style-type: none"> - TriggerSource.Digital5 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 5")</p> <ul style="list-style-type: none"> - TriggerSource.Digital6 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 6")</p> <ul style="list-style-type: none"> - TriggerSource.Digital7 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 7")</p> <ul style="list-style-type: none"> - TriggerSource.Digital8 - RSRTX_ATTR_TRIGGER_SOURCE_A,

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<p>RSRTX_ATTR_TRIGGER_SOURCE_B</p> <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 8")</p> <p>- TriggerSource.Digital9 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B</p> <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 9")</p> <p>- TriggerSource.Digital10 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B</p> <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 10")</p> <p>- TriggerSource.Digital11 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B</p> <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 11")</p> <p>- TriggerSource.Digital12 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B</p> <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 12")</p> <p>- TriggerSource.Digital13 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B</p> <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 13")</p> <p>- TriggerSource.Digital14 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B</p> <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital 14")</p> <p>- TriggerSource.Digital15 - RSRTX_ATTR_TRIGGER_SOURCE_A, RSRTX_ATTR_TRIGGER_SOURCE_B</p> <p>Help changed ("Digital channels can be used as trigger sources for edge, width, timeout and pattern trigger. Require MSO option R&S RTM-B1.", "Digital15")</p> <p>- WidthCondition.Shorter - RSRTX_ATTR_WIDTH_CONDITION, RSRTX_ATTR_TRIGGER_PATTERN_WIDTH_CONDITION, RSRTX_ATTR_TRIGGER_WINDOW_TIME_RANGE, RSRTX_ATTR_TRIGGER_TIME_CONDITION, RSRTX_ATTR_RUNT_TRIGGER_RANGE</p> <p>Help changed ("Triggers on pulses shorter than the reference time", "Shorter: Triggers on pulses shorter than the reference time")</p> <p>- WidthCondition.Longer - RSRTX_ATTR_WIDTH_CONDITION, RSRTX_ATTR_TRIGGER_PATTERN_WIDTH_CONDITION, RSRTX_ATTR_TRIGGER_WINDOW_TIME_RANGE, RSRTX_ATTR_TRIGGER_TIME_CONDITION, RSRTX_ATTR_RUNT_TRIGGER_RANGE</p> <p>Help changed ("Triggers on pulses longer than the reference time", "Longer: Triggers on pulses longer than the reference time")</p> <p>- WidthCondition.Within - RSRTX_ATTR_WIDTH_CONDITION, RSRTX_ATTR_TRIGGER_PATTERN_WIDTH_CONDITION, RSRTX_ATTR_TRIGGER_WINDOW_TIME_RANGE, RSRTX_ATTR_TRIGGER_TIME_CONDITION, RSRTX_ATTR_RUNT_TRIGGER_RANGE</p> <p>Help changed ("Triggers on pulses inside a specified range",</p>

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<p>"Within: Triggers on pulses inside a specified range")</p> <ul style="list-style-type: none"> - WidthCondition.Outside - RSRTX_ATTR_WIDTH_CONDITION, RSRTX_ATTR_TRIGGER_PATTERN_WIDTH_CONDITION, RSRTX_ATTR_TRIGGER_WINDOW_TIME_RANGE, RSRTX_ATTR_TRIGGER_TIME_CONDITION, RSRTX_ATTR_RUNT_TRIGGER_RANGE <p style="padding-left: 40px;">Help changed ("Triggers on pulses outside a specified range", "Outside: Triggers on pulses outside a specified range")</p> <ul style="list-style-type: none"> - TVTriggerEvent.Even - RSRTX_ATTR_TV_TRIGGER_EVENT <p style="padding-left: 40px;">Help changed ("Triggers only on the field start of even fields. Only available for interlaced scanning.", "Triggers only on even half frames")</p> <ul style="list-style-type: none"> - TVTriggerEvent.Odd - RSRTX_ATTR_TV_TRIGGER_EVENT <p style="padding-left: 40px;">Help changed ("Triggers only on the field start of odd fields. Only available for interlaced scanning.", "Triggers only on odd half frames")</p> <ul style="list-style-type: none"> - TVTriggerEvent.All - RSRTX_ATTR_TV_TRIGGER_EVENT <p style="padding-left: 40px;">Help changed ("All fields, triggers on the frame start (progressive scanning) or any field start (interlaced scanning).", "Triggers on all frames.")</p> <ul style="list-style-type: none"> - TVTriggerEvent.Line - RSRTX_ATTR_TV_TRIGGER_EVENT <p style="padding-left: 40px;">Help changed ("Triggers on the beginning of a specified line in any field. The line number is set with RSRTX_ATTR_TV_TRIGGER_LINE_NUMBER.", "Triggers on the beginning of a specified line in any field.")</p> <ul style="list-style-type: none"> - TVTriggerEvent.AllLine - RSRTX_ATTR_TV_TRIGGER_EVENT <p style="padding-left: 40px;">Help changed ("Triggers on the beginning of all video signal lines.", "Triggers on the beginning of all video signal lines")</p> <ul style="list-style-type: none"> - SPIFrameState - RSRTX_ATTR_PROTOCOL_SPI_FRAME_STATUS <p style="padding-left: 40px;">New items: Void</p> <ul style="list-style-type: none"> - UARTTriggerType - RSRTX_ATTR_PROTOCOL_UART_TRIGGER_MODE <p style="padding-left: 40px;">New items: StopBitError</p> <ul style="list-style-type: none"> - UARTTriggerType - RSRTX_ATTR_PROTOCOL_UART_TRIGGER_MODE <p style="padding-left: 40px;">Deleted items: FrameError</p> <ul style="list-style-type: none"> - rsrtx_rngUartLength - RSRTX_ATTR_PROTOCOL_UART_TRIGGER_CONDITION_LENGTH <p style="padding-left: 40px;">Range changed to <1;4></p> <ul style="list-style-type: none"> - rsrtx_rngUartLength - RSRTX_ATTR_PROTOCOL_UART_TRIGGER_CONDITION_LENGTH <p style="padding-left: 40px;">Changed units ("symbols", "")</p> <ul style="list-style-type: none"> - AmplitudeTimeMeasurementType.TBFrequency - RSRTX_ATTR_AMPT_MAIN_MEASUREMENT <p style="padding-left: 40px;">Description changed ("Trigger B Frequency", "TB Frequency")</p> <ul style="list-style-type: none"> - AmplitudeTimeMeasurementType.TBPeriod - RSRTX_ATTR_AMPT_MAIN_MEASUREMENT <p style="padding-left: 40px;">Description changed ("Trigger B Period", "TB Period")</p> <ul style="list-style-type: none"> - AmplitudeTimeMeasurementType - RSRTX_ATTR_AMPT_MAIN_MEASUREMENT <p style="padding-left: 40px;">New items: SlewRateRise, SlewRateFall</p> <ul style="list-style-type: none"> - rsrtx_rngProtocolUARTBitRate - RSRTX_ATTR_PROTOCOL_UART_BIT_RATE <p style="padding-left: 40px;">Changed units ("bits per second", "")</p> <ul style="list-style-type: none"> - rsrtx_rngProbeAttenuation - RSRTX_ATTR_PROBE_ATTENUATION_MANUAL <p style="padding-left: 40px;">Range changed to <0.0001;10000></p> <ul style="list-style-type: none"> - TriggerOutMode.Off - RSRTX_ATTR_TRIGGER_OUT_MODE

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<p>Help changed ("No output", "Off")</p> <p>- TriggerOutMode.Trigger - RSRTX_ATTR_TRIGGER_OUT_MODE</p> <p>Help changed ("Outputs a pulse when the instrument triggers.", "Trigger")</p> <p>- TriggerOutMode.Mask - RSRTX_ATTR_TRIGGER_OUT_MODE</p> <p>Help changed ("Outputs a pulse when a mask is violated. This function is only available if a mask is specified.", "Mask")</p> <p>- TriggerOutMode.Reference - RSRTX_ATTR_TRIGGER_OUT_MODE</p> <p>Help changed ("Outputs a 10 MHz reference frequency.", "Reference")</p> <p>- AudioTriggerCondition.Off - RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_RIGHT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_LEFT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_CHANNEL_CONDITION</p> <p>Help changed ("No range is defined.", "Off")</p> <p>- AudioTriggerCondition.Equal - RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_RIGHT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_LEFT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_CHANNEL_CONDITION</p> <p>Help changed ("Equal. Requires one data word to be set.", "Equal")</p> <p>- AudioTriggerCondition.NotEqual - RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_RIGHT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_LEFT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_CHANNEL_CONDITION</p> <p>Help changed ("Not equal. Requires one data word to be set.", "Not Equal")</p> <p>- AudioTriggerCondition.GreaterThan - RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_RIGHT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_LEFT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_CHANNEL_CONDITION</p> <p>Help changed ("Greater than. Requires one data word to be set.", "Greater Than")</p> <p>- AudioTriggerCondition.LessThan - RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_RIGHT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_LEFT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_CHANNEL_CONDITION</p> <p>Help changed ("Less than. Requires one data word to be set.", "Less Than")</p> <p>- AudioTriggerCondition.InRange - RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_RIGHT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_LEFT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_CHANNEL_CONDITION</p> <p>Help changed ("In range. Requires two data words to be set.", "In Range")</p> <p>- AudioTriggerCondition.OutOfRange - RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_RIGHT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_LEFT_CONDITION, RSRTX_ATTR_PROTOCOL_AUDIO_TRIGGER_CHANNEL_CONDITION</p> <p>Help changed ("Out of range. Requires two data words to be set.", "Out Of Range")</p>

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - rsrtx_rngProtocolARINC429ThresholdHigh - RSRTX_ATTR_PROTOCOL_ARINC429_THRESHOLD_HIGH Range changed to <-0.5;12> - rsrtx_rngProtocolARINC429ThresholdLow - RSRTX_ATTR_PROTOCOL_ARINC429_THRESHOLD_LOW Range changed to <-100.0;100.0> - MagnitudeScale - RSRTX_ATTR_SPECTRUM_FREQUENCY_MAGNITUDE_SCALE New items: dBuV - SpectrumMarkerReferenceMode.Indicated - RSRTX_ATTR_SPECTRUM_MARKER_REFERENCE_MODE Help changed ("The reference marker is set to the peak with a specified index number.", "Indicated") - SpectrumMarkerReferenceMode.Range - RSRTX_ATTR_SPECTRUM_MARKER_REFERENCE_MODE Help changed ("The peak with the highest level within the selected range is set as the reference marker.", "Range") - PatternGeneratorFunctionType.Square - RSRTX_ATTR_PATTERN_GENERATOR_FUNCTION_TYPE Help changed ("Square wave function (e.g. for manual probe compensation).", "") - PatternGeneratorFunctionType.Counter - RSRTX_ATTR_PATTERN_GENERATOR_FUNCTION_TYPE Help changed ("Definition of a 4-bit wide counter pattern.", "") - PatternGeneratorFunctionType.Arbitrary - RSRTX_ATTR_PATTERN_GENERATOR_FUNCTION_TYPE Help changed ("Definition of a 4-bit wide and 2048 samples deep pattern.", "") - PatternGeneratorFunctionType.SPI - RSRTX_ATTR_PATTERN_GENERATOR_FUNCTION_TYPE Help changed ("SPI BUS signals for measurements without measurement object. Data rate 100 kBit/s, 250 kBit/s or 1 MBit/s.", "") - PatternGeneratorFunctionType.I2C - RSRTX_ATTR_PATTERN_GENERATOR_FUNCTION_TYPE Help changed ("I2C BUS signals for measurements without measurement object. Data rate 100 kBit/s, 400 kBit/s, 1 MBit/s or 3.4 MBit/s.", "") - PatternGeneratorFunctionType.UART - RSRTX_ATTR_PATTERN_GENERATOR_FUNCTION_TYPE Help changed ("UART BUS signals for measurements without measurement object. Data rate 9600 Bit/s, 115.2 kBit/s and 1 MBit/s.", "") - PatternGeneratorFunctionType.CAN - RSRTX_ATTR_PATTERN_GENERATOR_FUNCTION_TYPE Help changed ("CAN BUS signals for measurements without measurement object up to 50 MBit/s.", "") - PatternGeneratorFunctionType.LIN - RSRTX_ATTR_PATTERN_GENERATOR_FUNCTION_TYPE Help changed ("LIN BUS signals for measurements without measurement object up to 50 MBit/s.", "") - PatternGeneratorFunctionType.Manual - RSRTX_ATTR_PATTERN_GENERATOR_FUNCTION_TYPE Help changed ("Manual pattern mode.", "") - PatternGeneratorFunctionType - RSRTX_ATTR_PATTERN_GENERATOR_FUNCTION_TYPE New items: AudioI2S, AudioTDM, TestPulseWidth, PulseWidth,

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<p>LEDPulseWidth</p> <ul style="list-style-type: none"> - WindowRange.Enter - RSRTX_ATTR_TRIGGER_WINDOW_RANGE, RSRTX_ATTR_SEARCH_TRIGGER_WINDOW_RANGE Help changed ("The signal crosses the upper or lower level and thus enters the win- dow made up of these two levels.", "") - WindowRange.Exit - RSRTX_ATTR_TRIGGER_WINDOW_RANGE, RSRTX_ATTR_SEARCH_TRIGGER_WINDOW_RANGE Command changed ("EXI", "EXIT") - WindowRange.Exit - RSRTX_ATTR_TRIGGER_WINDOW_RANGE, RSRTX_ATTR_SEARCH_TRIGGER_WINDOW_RANGE Help changed ("Searches for events when the signal leaves the window.", "") - WindowRange.Within - RSRTX_ATTR_TRIGGER_WINDOW_RANGE, RSRTX_ATTR_SEARCH_TRIGGER_WINDOW_RANGE Help changed ("The signal stays between the upper and lower level for a specified time.", "") - WindowRange.Outside - RSRTX_ATTR_TRIGGER_WINDOW_RANGE, RSRTX_ATTR_SEARCH_TRIGGER_WINDOW_RANGE Help changed ("The signal stays above the upper level or below the lower level for a specified time.", "") - WindowRange.Passthrough - RSRTX_ATTR_TRIGGER_WINDOW_RANGE, RSRTX_ATTR_SEARCH_TRIGGER_WINDOW_RANGE Help changed ("The signal crosses both levels in a specified time. The time measure- ment starts when the signal crosses the first level.", "") - WindowRange.NoPassthrough - RSRTX_ATTR_TRIGGER_WINDOW_RANGE, RSRTX_ATTR_SEARCH_TRIGGER_WINDOW_RANGE Help changed ("The signal crosses one level, but does not cross the second level in a specified time.", "") - TimeoutRange.Low - RSRTX_ATTR_TIMEOUT_TRIGGER_RANGE Help changed ("The signal level stays below the trigger level.", "") - TimeoutRange.High - RSRTX_ATTR_TIMEOUT_TRIGGER_RANGE Help changed ("The signal level stays above the trigger level.", "")
1.2.0	01/2018	- Added support for RTM3000 and RTA4000 instruments
1.1.0	10/2017	<ul style="list-style-type: none"> * First official release * Deleted properties/methods: <ul style="list-style-type: none"> - RsRtx.Acquisition.FilterFrequency - RsRtx.Acquisition.WaveformRate - RsRtx.Trigger.Edge.FilterLow - RsRtx.WaveformAcquisition.EnvelopeWaveform.DataPoints - RsRtx.Cursors.InverseDistanceHorizontal - RsRtx.Measurements.Main.ResultTriggerFrequency - RsRtx.Measurements.Main.ResultTriggerPeriod - RsRtx.Measurements.Main.ResultBTriggerFrequency - RsRtx.Measurements.Main.ResultBTriggerPeriod

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.Display.Persistence.TimeAuto - RsRtx.HardcopyandPrinter.IncludeMenuInScreenshot - RsRtx.UtilityFunctions.IDQueryResponse * New properties/methods: - RsRtx.Acquisition.RecordLengthAutomatic - RsRtx.Acquisition.RecordLength - RsRtx.Acquisition.AcquireMode - RsRtx.Acquisition.PeakDetect - RsRtx.Acquisition.HighResolution - RsRtx.Acquisition.NumberOfAveragesReset - RsRtx.Acquisition.WaveformRateMaximum - RsRtx.Probe.CMOffset - RsRtx.DigitalChannel.ProbeEnabled - RsRtx.DigitalChannel.PointSelection - RsRtx.Logic.LogicState - RsRtx.Logic.Type - RsRtx.Logic.Threshold - RsRtx.Logic.ThresholdUserLevel - RsRtx.Logic.Hysteresis - RsRtx.Logic.Arithmetics - RsRtx.Logic.CurrentMaximum - RsRtx.Logic.CurrentMinimum - RsRtx.Trigger.Edge.FilterHFReject - RsRtx.Trigger.Window.WindowRange - RsRtx.Trigger.Window.WindowWidth - RsRtx.Trigger.Window.WindowTimeRange - RsRtx.Trigger.Runt.Width - RsRtx.Trigger.Runt.Delta - RsRtx.Trigger.Runt.Range - RsRtx.Trigger.Timeout.Time - RsRtx.Trigger.Timeout.Range - RsRtx.Trigger.SPI.Source - RsRtx.Trigger.UART.Source - RsRtx.Trigger.MILSTD.Mode - RsRtx.Trigger.MILSTD.Frame - RsRtx.WaveformAcquisition.AcquisitionState - RsRtx.WaveformAcquisition.WaveformExport.ExportName - RsRtx.WaveformAcquisition.WaveformExport.Source - RsRtx.WaveformAcquisition.WaveformExport.Save - RsRtx.WaveformAcquisition.SimpleMathWaveform.ReadWaveform()

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.WaveformAcquisition.SimpleMathWaveform.FetchWaveform() - RsRtx.WaveformAcquisition.SimpleMathWaveform.FetchWaveformHeader() - RsRtx.WaveformAcquisition.SimpleMathWaveformConversion.XStart - RsRtx.WaveformAcquisition.SimpleMathWaveformConversion.XIncrement - RsRtx.WaveformAcquisition.SimpleMathWaveformConversion.YStart - RsRtx.WaveformAcquisition.SimpleMathWaveformConversion.YIncrement - RsRtx.WaveformAcquisition.SimpleMathWaveformConversion.YResolution - RsRtx.WaveformAcquisition.LogicData.Read() - RsRtx.WaveformAcquisition.LogicData.Fetch() - RsRtx.WaveformAcquisition.LogicData.Header() - RsRtx.WaveformAcquisition.LogicDataConversion.XStart - RsRtx.WaveformAcquisition.LogicDataConversion.XIncrement - RsRtx.WaveformAcquisition.LogicDataConversion.YStart - RsRtx.WaveformAcquisition.LogicDataConversion.YIncrement - RsRtx.WaveformAcquisition.LogicDataConversion.YResolution - RsRtx.WaveformAcquisition.DigitalData.Read() - RsRtx.WaveformAcquisition.DigitalData.Fetch() - RsRtx.WaveformAcquisition.DigitalData.Header() - RsRtx.WaveformAcquisition.DigitalDataConversion.XStart - RsRtx.WaveformAcquisition.DigitalDataConversion.XIncrement - RsRtx.WaveformAcquisition.DigitalDataConversion.YStart - RsRtx.WaveformAcquisition.DigitalDataConversion.YIncrement - RsRtx.WaveformAcquisition.DigitalDataConversion.YResolution - RsRtx.Cursors.CursorLine.NextPeak - RsRtx.Cursors.CursorLine.PreviousPeak - RsRtx.Measurements.General.QuickMeasurementState - RsRtx.SimpleMathematics.SimpleMathWaveformEnabled - RsRtx.SimpleMathematics.Position - RsRtx.SimpleMathematics.VerticalScale - RsRtx.SimpleMathematics.Operation - RsRtx.SimpleMathematics.Source.Source - RsRtx.Mask.ScreenshotDestination - RsRtx.Mask.SavesWaveformDestination - RsRtx.Mask.ActionAUXOutputEnabled - RsRtx.Search.WindowLevelLower - RsRtx.Search.WindowLevelUpper - RsRtx.Search.WindowDelta - RsRtx.Search.WindowPolarity - RsRtx.Search.WindowRange - RsRtx.Search.WindowTimeRange - RsRtx.Search.WindowWidth

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.Search.Export.ExportName - RsRtx.Search.Export.Save - RsRtx.Protocols.SPI.CSPolarity - RsRtx.Protocols.UART.FrameCount - RsRtx.Protocols.UART.WordCount - RsRtx.Protocols.UART.WordValue - RsRtx.Protocols.UART.WordStart - RsRtx.Protocols.UART.WordEnd - RsRtx.Protocols.UART.WordEnabled - RsRtx.Protocols.UART.WordSource - RsRtx.Protocols.MILSTD.InterMessageGapTimeInfinite - RsRtx.Protocols.MILSTD.InterMessageGapTimeMinimum - RsRtx.Protocols.MILSTD.InterMessageGapTimeMaximum - RsRtx.Protocols.MILSTD.ResponseTimeInfinite - RsRtx.Protocols.MILSTD.ResponseTimeMinimum - RsRtx.Protocols.MILSTD.ResponseTimeMaximum - RsRtx.PowerAnalysis.Autoset - RsRtx.PowerAnalysis.AutosetCurrent - RsRtx.PowerAnalysis.AutosetVoltage - RsRtx.PowerAnalysis.ConsumptionMeasurement.Results.ApparentPower - RsRtx.PowerAnalysis.ConsumptionMeasurement.Results.PowerFactor - RsRtx.PowerAnalysis.ConsumptionMeasurement.Results.Phase - RsRtx.PowerAnalysis.ConsumptionMeasurement.Results.ReactivePower - RsRtx.PowerAnalysis.CurrentHarmonicsMeasurement.MeasurementDuration - RsRtx.PowerAnalysis.CurrentHarmonicsMeasurement.RealPowerResults.Current - RsRtx.PowerAnalysis.SafeOperatingArea.Point.LinearCurrent - RsRtx.PowerAnalysis.SafeOperatingArea.Point.LogarithmicCurrent - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.VoltageData.Read() - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.VoltageData.Fetch() - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.VoltageData.Header() - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.VoltageDataConversion.XStart - - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.VoltageDataConversion.XIncrement - - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.VoltageDataConversion.YStart - - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.VoltageDataConversion.YIncrement - - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.VoltageDataConversion.YResolution - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.CurrentData.Read() - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.CurrentData.Fetch() - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.CurrentData.Header() - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.CurrentDataConversion.XStart

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.CurrentDataConversion.XIncrement - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.CurrentDataConversion.YStart - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.CurrentDataConversion.YIncrement - - RsRtx.PowerAnalysis.SafeOperatingArea.Results.Acquisition.Point.CurrentDataConversion.YResolution - RsRtx.SpectrumAnalysis.Mode - RsRtx.SpectrumAnalysis.Marker.SetupCenterScreen - RsRtx.SpectrumAnalysis.Marker.SetupRangeToPeak - RsRtx.SpectrumAnalysis.Marker.Results.ReferenceResults() - RsRtx.SpectrumAnalysis.Marker.Results.Results() - RsRtx.SpectrumAnalysis.Marker.Results.DeltaResults() - RsRtx.SpectrumAnalysis.Marker.Results.AllResults() - RsRtx.SpectrumAnalysis.Marker.Results.AllDeltaResults() - RsRtx.Generator.WaveformGenerator.FunctionGenerator.Type - RsRtx.Generator.WaveformGenerator.FunctionGenerator.Frequency - RsRtx.Generator.WaveformGenerator.FunctionGenerator.PulseDutyCycle - RsRtx.Generator.WaveformGenerator.FunctionGenerator.PulseEdgeTime - RsRtx.Generator.WaveformGenerator.FunctionGenerator.RampPolarity - RsRtx.Generator.WaveformGenerator.FunctionGenerator.ExponentialPolarity - RsRtx.Generator.WaveformGenerator.Modulation.Enabled - RsRtx.Generator.WaveformGenerator.Modulation.Type - RsRtx.Generator.WaveformGenerator.Modulation.FunctionType - RsRtx.Generator.WaveformGenerator.Modulation.RampPolarity - RsRtx.Generator.WaveformGenerator.Modulation.AM.Frequency - RsRtx.Generator.WaveformGenerator.Modulation.AM.Depth - RsRtx.Generator.WaveformGenerator.Modulation.FM.Frequency - RsRtx.Generator.WaveformGenerator.Modulation.FM.FrequencyDeviation - RsRtx.Generator.WaveformGenerator.Modulation.ASK.Frequency - RsRtx.Generator.WaveformGenerator.Modulation.ASK.Depth - RsRtx.Generator.WaveformGenerator.Modulation.FSK.HoppingFrequency - RsRtx.Generator.WaveformGenerator.Modulation.FSK.Rate - RsRtx.Generator.WaveformGenerator.Sweep.Enabled - RsRtx.Generator.WaveformGenerator.Sweep.Type - RsRtx.Generator.WaveformGenerator.Sweep.StartFrequency - RsRtx.Generator.WaveformGenerator.Sweep.StopFrequency - RsRtx.Generator.WaveformGenerator.Sweep.Time - RsRtx.Generator.WaveformGenerator.Arbitrary.FileName - RsRtx.Generator.WaveformGenerator.Arbitrary.OpenFile - RsRtx.Generator.WaveformGenerator.Arbitrary.Source - RsRtx.Generator.WaveformGenerator.Arbitrary.Update - RsRtx.Generator.WaveformGenerator.Output.Enabled

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.Generator.WaveformGenerator.Output.Amplitude - RsRtx.Generator.WaveformGenerator.Output.Offset - RsRtx.Generator.WaveformGenerator.Output.UserLoad - RsRtx.Generator.WaveformGenerator.Output.Destination - RsRtx.Generator.WaveformGenerator.Noise.LevelPercent - RsRtx.Generator.WaveformGenerator.Noise.AbsoluteLevel - RsRtx.Generator.PatternGenerator.Enabled - RsRtx.Generator.PatternGenerator.FunctionType - RsRtx.Generator.PatternGenerator.Frequency - RsRtx.Generator.PatternGenerator.Period - RsRtx.Generator.PatternGenerator.Polarity - RsRtx.Generator.PatternGenerator.DutyCycle - RsRtx.Generator.PatternGenerator.SampleTime - RsRtx.Generator.PatternGenerator.CounterDirection - RsRtx.Generator.PatternGenerator.CounterFrequency - RsRtx.Generator.PatternGenerator.BurstEnabled - RsRtx.Generator.PatternGenerator.BurstCycles - RsRtx.Generator.PatternGenerator.IdleTime - RsRtx.Generator.PatternGenerator.TriggerMode - RsRtx.Generator.PatternGenerator.TriggerRunSingle - RsRtx.Generator.PatternGenerator.ARB.PatternLength - RsRtx.Generator.PatternGenerator.ARB.Index - RsRtx.Generator.PatternGenerator.ARB.DataSet() - RsRtx.Generator.PatternGenerator.ARB.DataAppend() - RsRtx.Generator.PatternGenerator.ARB.DataAppendAND() - RsRtx.Generator.PatternGenerator.ARB.DataAppendOR() - RsRtx.Generator.PatternGenerator.Manual.State - RsRtx.Display.DiagramAnnotationEnabled - RsRtx.Display.DiagramAnnotationTrack - RsRtx.Display.ClearScreen - RsRtx.Display.Persistence.PersistenceType - RsRtx.Display.History.Channel.TableMode - RsRtx.Display.History.Channel.ExportName - RsRtx.Display.History.Channel.ExportSave - RsRtx.Display.History.Digital.ExportName - RsRtx.Display.History.Digital.ExportSave - RsRtx.Display.History.Math.ExportName - RsRtx.Display.History.Math.ExportSave - RsRtx.Display.History.Protocol.ExportName - RsRtx.Display.History.Protocol.ExportSave - RsRtx.Display.History.Logic.CurrentAcquisition

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<ul style="list-style-type: none"> - RsRtx.Display.History.Logic.Player - RsRtx.Display.History.Logic.StartAcquisition - RsRtx.Display.History.Logic.StopAcquisition - RsRtx.Display.History.Logic.PlayAll - RsRtx.Display.History.Logic.Speed - RsRtx.Display.History.Logic.Repeat - RsRtx.Display.History.Logic.AcquisitonRelativeTime - RsRtx.Display.History.Logic.AllDates - RsRtx.Display.History.Logic.AllTimeDifferences - RsRtx.Display.History.Logic.AllDaytimes - RsRtx.Display.History.Logic.ExportName - RsRtx.Display.History.Logic.ExportSave - RsRtx.Display.History.Logic.AbsoluteTime() - RsRtx.Display.History.Logic.AcquisitionDate() - RsRtx.Display.Segmentation.RecordMaximumSegments - RsRtx.DataManagement.CopyFile() - RsRtx.DataManagement.MoveFile() - RsRtx.DataManagement.FileCount() - RsRtx.DataManagement.FileDirectoryContent() - RsRtx.DataManagement.FileSubdirectoriesCount() - RsRtx.DataManagement.FileSubdirectories() - RsRtx.DataManagement.SaveInstrumentSettings() - RsRtx.DataManagement.RecallInstrumentsSettings() - RsRtx.HardcopyandPrinter.OutputFormat - RsRtx.HardcopyandPrinter.Data() - RsRtx.HardcopyandPrinter.PageSizeX - RsRtx.HardcopyandPrinter.PageSizeY - RsRtx.System.DeviceMode - RsRtx.System.InterfaceSelect - RsRtx.System.USBClass - RsRtx.System.EthernetDHCP - RsRtx.System.EthernetIPPort - RsRtx.System.EthernetVXI11Port - RsRtx.System.EthernetTransfer - RsRtx.System.EthernetMACAddress - RsRtx.System.EthernetIPAddress() - RsRtx.System.EthernetIPSubnetMask() - RsRtx.System.EthernetIPGateway() - RsRtx.System.PresetEducation - RsRtx.System.DeviceFootprint

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<p>* Modified properties/methods:</p> <ul style="list-style-type: none"> - RsRtx.Acquisition.Divisions - Data type changed. - RsRtx.Acquisition.HorizontalReference - Range - RsRtx.Channel.Coupling - Default changed. - RsRtx.DigitalChannel.Hysteresis - Changed range values. - RsRtx.DigitalChannel.VerticalChannelSize - Changed from enum to real. - RsRtx.Trigger.Channel.LevelB - Range table removed. - RsRtx.Trigger.Edge.Coupling - Command string changed - RsRtx.Trigger.AudioSignals.RightMinimum - Range table removed. - RsRtx.Trigger.AudioSignals.RightMaximum - Range table removed. - RsRtx.Trigger.AudioSignals.LeftMinimum - Range table removed. - RsRtx.Trigger.AudioSignals.LeftMaximum - Range table removed. - RsRtx.Trigger.AudioSignals.TrackChannel.Minimum - Range table removed. - RsRtx.Trigger.AudioSignals.TrackChannel.Maximum - Range table removed. - RsRtx.Cursors.Type - HorizontalVertical - RsRtx.Cursors.Source - QMA - RsRtx.Measurements.ConfigureMeasurementSource() - QMA - RsRtx.Mask.Scaling.VerticalOffset - removed range - RsRtx.Mask.Scaling.VerticalScaling - removed range - RsRtx.Mask.Scaling.VerticalWidth - Removed range - RsRtx.Mask.Scaling.HorizontalWidth - removed range. - RsRtx.Search.SearchResult() - Data type for Polarity and Result Type was changed. - RsRtx.Search.SearchResultAll() - Data type for Polarity and Result Type was changed. - RsRtx.Protocols.Display.Vertical - Default, range changed. - RsRtx.HardcopyandPrinter.ColorScheme - Short command modified. <p>* Deleted Repeated Capabilities:</p> <p>* Modified Repeated Capabilities:</p> <ul style="list-style-type: none"> - Counter - Identifiers ("Counter0,Counter1,Counter2", "Counter1,Counter2") - Counter - Command Values ("1,2", "1,2") <p>* Modified Range Tables:</p> <ul style="list-style-type: none"> - rsrtx_rngHorzReference - RSRTX_ATTR_HORZ_REFERENCE Range changed to <8.33;91.67> - rsrtx_rngLineNumber - RSRTX_ATTR_TV_TRIGGER_LINE_NUMBER Range changed to <1;1125> - CursorFunction - RSRTX_ATTR_CURSOR_MEASUREMENT_TYPE New items: HorizontalVertical - WfmParameter - RSRTX_ATTR_WAVEFORM_EXPORT_SOURCE, RSRTX_ATTR_CURSOR_SOURCE, RSRTX_ATTR_REFERENCE_WAVEFORM_SOURCE

IVI.NET RsRtx Instrument Driver		
Driver history		
Revision	Date	Note
		<p>New items: QMA, XY1</p> <ul style="list-style-type: none"> - Language - RSRTX_ATTR_DISPLAY_LANGUAGE <ul style="list-style-type: none"> New items: Italian, Portuguese, Czech, Polish - HardcopyDeviceLang - RSRTX_ATTR_HARDCOPY_DEVICE_LANGUAGE_OUTPUT_FORMAT <ul style="list-style-type: none"> New items: Gdi, Gif - PageSize - RSRTX_ATTR_HARDCOPY_PAGE_SIZE <ul style="list-style-type: none"> New items: Legal, Letter - TriggerCoupling.HighFrequency - RSRTX_ATTR_TRIGGER_COUPLING <ul style="list-style-type: none"> Command changed ("LFR", "HF") - TriggerType - RSRTX_ATTR_TRIGGER_TYPE_A <ul style="list-style-type: none"> New items: Line - rsrtx_rngProtocolVertical - RSRTX_ATTR_PROTOCOL_DISPLAY_VERTICAL <ul style="list-style-type: none"> Range changed to <-5;5> - SearchCondition - RSRTX_ATTR_SEARCH_CONDITION <ul style="list-style-type: none"> New items: Window - SearchSource - RSRTX_ATTR_SEARCH_SOURCE, RSRTX_ATTR_SEARCH_TRIGGER_D2C_CLOCK_SOURCE <ul style="list-style-type: none"> New items: QMA - DigitalHysteresis - RSRTX_ATTR_DIGITAL_HYSTERESIS <ul style="list-style-type: none"> New items: Small, Medium, Large - DigitalHysteresis - RSRTX_ATTR_DIGITAL_HYSTERESIS <ul style="list-style-type: none"> Deleted items: Maximum, Robust, Normal - TriggerOutMode - RSRTX_ATTR_TRIGGER_OUT_MODE <ul style="list-style-type: none"> New items: Reference, Generator - MeasurementSource - <ul style="list-style-type: none"> New items: QMA - MILSTDCodeType.Selftest - RSRTX_ATTR_MILSTD_TRIGGER_COMMAND_MODE_CODE, RSRTX_ATTR_MILSTD_SEARCH_COMMAND_MODE_CODE, RSRTX_ATTR_PROTOCOL_MILSTD_COMMAND_WORD_MODE_CODE_TYPE <ul style="list-style-type: none"> Command changed ("ISEL", "SEL") - MILSTDTriggerType - RSRTX_ATTR_MILSTD_TRIGGER_TYPE, RSRTX_ATTR_MILSTD_TRIGGER_MODE <ul style="list-style-type: none"> New items: CData - ProbeInputImpedance.Unknown - RSRTX_ATTR_PROBE_INPUT_IMPEDANCE <ul style="list-style-type: none"> Command changed ("UNKN", "UNKNown") - ProbeInputImpedance.FiftyOhm - RSRTX_ATTR_PROBE_INPUT_IMPEDANCE <ul style="list-style-type: none"> Command changed ("50OH", "50OHm") - ProbeInputImpedance.OneMOhm - RSRTX_ATTR_PROBE_INPUT_IMPEDANCE <ul style="list-style-type: none"> Command changed ("1MOH", "1MOHm")
1.0.0	02/2017	* First Beta Version created based on the RsRtm20xx driver

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



Regional contact

Europe, Africa, Middle East

+49 89 4129 12345

customersupport@rohde-schwarz.com

North America

1-888-TEST-RSA (1-888-837-8772)

customer.support@rsa.rohde-schwarz.com

Latin America

+1-410-910-7988

customersupport.la@rohde-schwarz.com

Asia/Pacific

+65 65 13 04 88

customersupport.asia@rohde-schwarz.com

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Rohde & Schwarz GmbH & Co. KG

Mühlendorfstraße 15 | D - 81671 München

Phone + 49 89 4129 - 0 | Fax + 49 89 4129 - 13777

www.rohde-schwarz.com