

IVI-COM Driver history for R&S®UPV and R&S®UPP200/400/800 Audio Analyzer

Products:

- | R&S®UPV
- | R&S®UPP200/400/800

Driver history for IVI-COM driver		
Revision	Date	Note
2.7.0.0	03/2013	Added interfaces for SCPI communication (IRsUpvSystem and IRsUpvSystemIO)
2.6.0.0	12/2012	<p>Added support for UPP instruments (UPP200, UPP400 and UPP800)</p> <p>Added Analyzer External Sweep</p> <p>Added Analyzer Function FFT Equalizer</p> <p>Added Analyzer Function Settling</p> <p>Added Analyzer Trigger Settling</p> <p>Modified functions:</p> <p>IRsUpvAnalogAnalyzer.InputImpedance - added new enum values (110, 10k and 20k Ohms)</p> <p>IRsUpvAnalogGenerator.Impedance - added new enum value (25 Ohms)</p> <p>IRsUpvAnalyzerConfiguration.ReferenceChannel - added new enum value (Off)</p> <p>IRsUpvAnalyzerFunctionDistortionMeasurementsTHD.MeasMode - added new enum value (LevelOddDi)</p> <p>IRsUpvAnalyzerFunctionFreqPhaseMeasurement.CombinedMeasurement - added new enum values (FreqSampleFreq and On)</p> <p>IRsUpvAnalyzerFunctionWaveform.TtriggerSource - added new enum value (Trigger Channel)</p> <p>IRsUpvDigitalGenerator.SyncTo - added new enum values (ExtDARS, ExtClock and ExtInvClock)</p> <p>IRsUpvMeasurementsConfigurationChannel.FrequencyReference - added new enum value (Source)</p> <p>New properties and methods:</p> <p>IRsUpvAnalyzerFunctionFFTMeasurement.FrequencyLimit</p> <p>IRsUpvAnalyzerFunctionFFTMeasurement.FrequencyLimitLow</p> <p>IRsUpvAnalyzerFunctionFFTMeasurement.FrequencyLimitUpp</p> <p>IRsUpvAnalyzerFunctionFFTMeasurement.Triggered</p> <p>IRsUpvAnalyzerFunctionLevelMeasurements.SNSSequence</p> <p>IRsUpvAnalyzerFunctionSNMeasurement.MeasurementTimeValue</p> <p>IRsUpvAnalyzerFunctionWaveform.CompFactor</p> <p>IRsUpvAnalyzerTrigger.Time</p> <p>IRsUpvAnalyzerTrigger.Points</p> <p>IRsUpvI2SAnalyzer.AudioBits</p> <p>IRsUpvI2SGenerator.BCLKFrequency</p> <p>IRsUpvI2SGenerator.ChannelMode</p> <p>IRsUpvI2SGenerator.MCLKFrequency</p> <p>IRsUpvMeasurements.Abort</p> <p>IRsUpvMeasurementsConfigurationChannel.FrequencyReferenceValue</p> <p>IRsUpvMeasurementsConfigurationChannel.FrequencyUnitAuto</p> <p>IRsUpvMeasurementsConfigurationChannel.FrequencyUserUnit</p> <p>IRsUpvMeasurementsConfigurationChannel.PhaseReferenceValue</p> <p>IRsUpvMeasurementsConfigurationChannel.PhaseUnitAuto</p> <p>IRsUpvMeasurementsConfigurationChannel.PhaseUserUnit</p> <p>IRsUpvMeasurementsResultsBarGraph.WriteBarGraphTraceDataSets</p>

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		IRsUpvMeasurementsResultsFFT.WriteFFTTraceDataSets IRsUpvMeasurementsResultsSweep.WriteSweepTraceDataSets IRsUpvMeasurementsResultsWaveform.WriteWaveformTraceDataSets IRsUpvSignalsRandom.MeanFrequency IRsUpvSignalsPlay.Restart IRsUpvSignalsPlay.RestartMode IRsUpvSweepAutoManualSettings.FrequencyHalt IRsUpvSweepAutoManualSettings.FrequencyHaltValue IRsUpvSweepAutoManualSettings.PhaseHalt IRsUpvSweepAutoManualSettings.PhaseHaltValue IRsUpvSweepAutoManualSettings.VoltageHalt IRsUpvSweepAutoManualSettings.VoltageHaltValue
2.5.0.0	09/2009	Driver update for UPV firmware version 2.5 New features: Added Audio Quality Measurements (PEAQ) Modified functions: IRsUpvAnalyzerFunction.Function - added new enum value (PEAQ) IrsUpvSignals.Function - added new enum values (Square and Chirp)
2.4.0.0	08/2008	Driver update for UPV firmware version 2.4 New features: - Added Analog 8 Channel option - Added Analog 16 Channel option - Added USI Dual Channel option - Added USI 8 Channel option - Added Speach Quality Measurements (PESQ) - Modified functions: IRsUpvAnalogAnalyzer - added new repeated capabilities IRsUpvAnalyzerConfiguration.SelectInstrument - added new instrument types (Analog Multichannel and USI instruments) IRsUpvAnalyzerFunctionFFT.Window - changed command for Hanning enum IRsUpvAnalyzerFunctionFFTMeasurement.AverageCount - changed range IRsUpvAnalyzerFunction.Function - added DIM, PESQ IRsUpvAnalyzerFunctionDistortionMeasurementsTHDN.RejectBandwidth IRsUpvAnalyzerFunctionFilters.Prefilter - added AES 17 and C Weighting IRsUpvAnalyzerFunctionFiltersDigitalFilter.AnalyzerFilter - added AES 17 and C Weighting IRsUpvAnalyzerFunctionLevelMeasurements.MeasTime IRsUpvAnalyzerFunctionLevelMeasurements.DCMeasTime IRsUpvAnalyzerFunctionLevelMeasurementsRMSSelective.FrequencyMode - added enum Frequency IRsUpvAnalyzerFunctionOfflineAnalysis.TriggerSource - added Gen Burst IRsUpvAnalyzerFunctionSNMeasurements.MeasurementTime

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		IRsUpvAnalyzerFunctionSweep.SweepControl - deleted enums (MSweep, MLISt) IRsUpvAnalyzerFunctionWaveform.TriggerSource - added Gen Burst IRsUpvAnalyzerTrigger.StartCondition - added new enum values IRsUpvDigitalGenerator.SourceMode - deleted enum (ADATa) IRsUpvFilterEqualizer.Filter - added AES 17 and C Weighting IRsUpvGeneratorConfiguration.SelectInstrument - added new instrument type (USI Dual Channel instrument) IRsUpvMeasurements.Mode - added Wait IRsUpvMeasurementsConfigurationChannel.Reference - added new enum values IRsUpvSignalsDIM.SquareToSine - added DIMS IRsUpvSignalsRandom.Shape - added new enum File New properties and methods: IRsUpvAnalogAnalyzer.ACDCCoupling IRsUpvAnalogAnalyzer.Range IRsUpvAnalyzerConfiguration.ReferenceChannel IRsUpvAnalyzerFunctionProtocolAnalysis.QueryProtocolError IRsUpvAnalyzerTrigger.TrigerChannel IRsUpvDigitalGenerator.SyncOutput IRsUpvDigitalGenerator.SyncTo IRsUpvGeneratorConfiguration.OutputEnabled IRsUpvMeasurements.Timeout IRsUpvMeasurementsConfigurationChannel.FrequencyReference IRsUpvMeasurementsConfigurationChannel.MeasChannel IRsUpvMeasurementsConfigurationChannel.PhaseReference IRsUpvMeasurementsConfigurationChannel.ReadMeasurementResult IRsUpvMeasurementsConfigurationChannel.ReadMeasurementResultMax IRsUpvMeasurementsConfigurationChannel.ReadMeasurementResultMin IRsUpvMeasurementsResultsBarGraph.ReadBarGraphAxisData IRsUpvMeasurementsResultsBarGraph.ReadBarGraphAxisDataCount IRsUpvMeasurementsResultsFFT.ReadBarGraphAxisData IRsUpvMeasurementsResultsFFT.ReadBarGraphAxisDataCount IRsUpvMeasurementsResultsSweep.ReadBarGraphAxisData IRsUpvMeasurementsResultsSweep.ReadBarGraphAxisDataCount
1.0.0.0	10/2007	Created.

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Regional contact

Europe, Africa, Middle East

+49 1805 12 42 42* or +49 89 4129 137 74

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

Certified Quality System
ISO 9001
DQS REG. NO 1954 QM

Rohde & Schwarz GmbH & Co. KG

Mühlhofstraße 15 | D - 81671 München

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

www.rohde-schwarz.com