IVI.NET driver history for the R&S® SMA100B RF and Microwave Analog Signal Generator

Products:

| R&S®SMA100B

| R&S®SMB100B

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

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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
SMA100B	5.00	
SMB100B	4.90	

2 IVI.NET driver history

RsSmx Instrument Driver		
Driver history for C#, Visual Basic .NET		
Revision	Date	Note

5.0.0	11/2022	* Updated for firmware 5.00
		* New core 3.7.0
		
		* New properties/methods:
		- RsSmx.RFSignal.RFLevelSettings.RFALCSettings.ExternalDetectorCouplingFactor
		- RsSmx.RFSignal.RFLevelSettings.RFALCSettings.ExternalDetectorRequiredGeneratorLevel
		- RsSmx.RFSignal.SweepMode.RFFrequencySweep.RFFrequencySweepBlankPoints()
		- RsSmx.PowerAnalysis.Traces.FrequencySource
		- RsSmx.PowerAnalysis.Traces.PowerSource
		- RsSmx.PowerAnalysis.Traces.TimeSource
		- RsSmx.PowerAnalysis.Traces.Mathematics.FrequencyX
		- RsSmx.PowerAnalysis.Traces.Mathematics.FrequencyY
		- RsSmx.PowerAnalysis.Traces.Mathematics.PowerX
		- RsSmx.PowerAnalysis.Traces.Mathematics.PowerY
		- RsSmx.PowerAnalysis.Traces.Mathematics.TimeX
		- RsSmx.PowerAnalysis.Traces.Mathematics.TimeY
		
		* Modified properties/methods:
		- RsSmx.RFSignal.RFLevelSettings.RFALCSettings.ALCEnabled - values
		- RsSmx.RFSignal.AvionicStandards.ILS.LocalizerSettings.COMID.DashLength - change rng table name
		
		* Modified Range Tables:
		- ALCEnabled.Off - RSSMX_ATTR_ALC_ENABLED, RSSMX_ATTR_ALC_MODE
		    Help changed ("Provided only for backward compatibility with other Rohde & Schwarz signal generators. The R&S SMA100B accepts these values and maps them automatically as follows: 0|OFF = OFFTable", "Provided only for backward compatibility with other Rohde & Schwarz signal generators. The R&S SMA100B accepts these values and maps them automatically as follows: 0|OFF = OFFTable ")
		- ALCEnabled - RSSMX_ATTR_ALC_ENABLED, RSSMX_ATTR_ALC_MODE
		    New items: Preset, ExternalALC
		
		* Fixed RsSmx_rngClockSynthesisPower range to -24..+30

4.70.0	05/2021	* Aligned version of the driver with the version of the instrument firmware * Added support for firmware version 4.70 * New core 3.0.0 See the **RsSmx.chm** help file for complete changes description
1.3.1	02/2021	* New core 2.13.0 * Fixed setting of initial VISA Timeout which previously led to VISA timeout error in the driver constructor.
1.3.0	01/2021	* 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.
1.2.0.0	06/2019	* Added support for firmware version 4.60 * New subsystems: - Avionic - Power Analysis See the **RsSmx.chm** help file for complete changes description
1.1.0.0	05/2018	* New attribute:

RsSmx Instrument Driver		
Driver history for C#, Visual Basic .NET		
Revision	Date	Note
		- RsSmx.RFSignal.AnalogModulations.PulseModulation.PulseGenerator.ModeDouble * Modified: - RsSmx.RFSignal.RFLevelSettings.RFALCSettings.ALCEnabled - "Off" value added (for backward compatibility)
1.0.0.0	11/2017	Initial Release

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