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

R&S®SMA100B

https://www.rohde-schwarz.com/driver/ngp800/

R&S®SMB100B

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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?		
Instrument	**Supported Firmware**	**Remarks**
SMA100B	5.30	
SMB100B	5.30	

2 Revision history

Version 5.30.0 / 08 – 2024

Version 5.0.0 / 12 – 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
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* 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

Version 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

Version 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.

Version 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

Version 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

Version 1.1.0.0 / 05 – 2018

- RsSmx.RFSignal.AnalogModulations.PulseModulation.PulseGenerator.ModeDouble
* Modified:
- RsSmx.RFSignal.RFLevelSettings.RFALCSettings.ALCEnabled - "Off" value added (for backward compatibility)

Version 1.0.0.0 / 11 – 2017

Initial Release

3 Customer support

Technical support – where and when you need it
For quick, expert help with any Rohde & Schwarz product, contact our customer support center. A team of highly qualified engineers provides support and works with you to find a solution to your query on any aspect of the operation, programming or applications of Rohde & Schwarz products.

Contact information
Contact our customer support center at www.rohde-schwarz.com/support
or follow this QR code: