

R&S®SGMA-GUI

Release Notes

Software Version 4.90.108.37

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The firmware of the instrument makes use of several valuable open source software packages. For information, see the "Open Source Acknowledgement" document, which is available for download from the R&S SGS product page at <http://www.rohde-schwarz.com/product/SGT100A> > "Downloads" > "Software".

The following abbreviations are used throughout this document: R&S® SGS100A is abbreviated as R&S SGS100A, R&S® SGT100A is abbreviated as R&S SGT100A, R&S® SGU100A is abbreviated as R&S SGU100A.

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1 Information on the Current Version and History

1.1 Version 4.90.108.37

Released: August 2022

New Functionality

- Command INSTRuments:CLEAr
- Scan subnet function

1.2 Version 4.70.012.019

Released: October 2020

New Functionality

- 64 bit. Beginning with this release SGMA-GUI will be released as a 64 bit version
- Increased max. number of instruments to 16 SGSs or 8 SGTs
- Administrator rights no longer required to install SGMA-GUI
- Power Viewer Dialog with S-Parameter selection

1.3 Version 4.30.046.221

Released: April 2019

Fixed Issues

Invalid signature of SGMANDISPROT

559523

1.4 Version 4.30.046.195

Released: February 2019

New Functionality

- Added IP address of LAN device to instrument button
- Increased max. number of instruments to 16 SGSs or 8 SGTs
- New desktop icon and entry in Windows start menu allow to start the program without remote control support
- TCP/IP port number can now be set (Setup/Remote) to allow simultaneous remote control of SGMA-GUI and WinIQSIM2
- RS-Visa is now included in the installation package

Fixed Issues

Error messages after self test	330804
GUI blocks after disconnecting a device from the network	298861
Improved responsiveness of SGMA-GUI when unreachable instruments are activated.	393461
Procedure to establish SGS-SGU via SGMA-GUI extension not always clean	479985
Segmentation fault when closing SGMA-GUI (Linux)	479981
Segmentation fault when starting SGMA-GUI	479983
Value out of range error messages when using level offset	432611
Windows10 installation failed because of unsigned driver	454938

1.5 Version 3.50.124.67

Released: January 2017

New Functionality

- Set clock of attached SGS / SGU
- Open Source Acknowledgement now available in dialog Software / Options
- Option simulation dialog for SGT
- Support for GPIB and HiSLIP remote channel selection in remote commands
- Support for 13 MHz reference oscillator frequency
- Power sensor support
- Added button Apply Settings in network dialog

Fixed Issues

Manage licenses dialog issues	224166, 138553
Blocking in Load Waveform if network drives were removed	138625

1.6 Version 3.20.347.26

Released: November 2015

New Functionality

- Improved network settings dialog

Fixed Issues

Manage licenses dialog (K200) issue	15767
COM1 blocking issue	15334
SaveAs issue (Linux)	15152

1.7 Version 3.20.261.31

Released: June 2015

New Functionality

- Support for SGT DPD and ET options
- Level offset for SGS / SGU / SGT

Fixed Issues

Error messages when option K-18 is missing	15196
Support for NI-Visa V 14.xx	14254

1.8 Version 3.18.251.116

Released: December 2014

Fixed Issues

Option SGT-K90 not recognized	13779
SGT Clock Synchronization issues	13862
"Unknown header..." message in Connectors dialog	13946
Double instrument entries or "zombie" instruments on main window	14061

1.9 Version 3.18.251.87

Released: August 2014

New Functionality

- Improved support for extension R&S®SGU
- File location selector in Ucor Export panel

Fixed Issues

Ucor fill dialog issues	13105
Invisible waveform tags for files in local file system	13018
"Undefined Header" message when changing instrument type	13279
SW crashes in network Zeroconf configuration when unplugging cable	13304

1.10 Version 3.18.251.37

Released: May 2014

New Functionality

- Support for R&S®SGU 100A
- Support for R&S®SGT 100A

2 Software / Firmware Update

2.1 Update Information

A firmware update procedure requires that the instrument is operational. There is no need to uninstall the current firmware. Instrument settings are preserved during the update, including user data and network settings.

NOTICE

- If an update to new versions is required for both the R&S SGMA-GUI and the instrument firmware, it is mandatory that the new instrument firmware is installed prior to updating of the R&S SGMA-GUI to the new version.
 - If a firmware update of a SGS-SGU pair is required update the SGU before updating the SGS.
-

2.2 Installing new instrument firmware

1. Select "SGMA-GUI main panel > Instrument Name > Setup > Maintenance > Operation > Install firmware package".
2. Press "Select Package" and navigate to the directory the new firmware is stored in.
3. Enter the "Security Password". The default password is "123456".
4. Confirm the update with "Accept".

The software transfers the firmware file and automatically starts the update procedure.

During the update, the message "Updating Firmware" is displayed in the Info line.

2.2.1 Windows

Supported operating systems:

- Windows 10, 1607 "Anniversary Edition" and later
- Uninstall any previous version of SGMA-GUI before installing the new software.
- In Windows Explorer double-click **SGMA-GUI_XXXXX.exe** and follow instructions.

2.2.2 Linux (RPM-based, Intel x86_64)

This has been tested on CentOS 7.8.2003. Previous versions of CentOS 7 are expected to work. Newer versions of CentOS, i.e. 8 and newer, as well as other RPM based distributions like SUSE might work.

- Download rs-sigma-gui-xxxx.el7.x86_64.rpm to your computer.
- Run `sudo yum install ./rs-sigma-gui-xxxx.el7.x86_64.rpm`
- Start the application via graphical start menu or via command line as `/opt/rohde-schwarz/sigma-gui/sigma-gui`

Visa

There is no copy of R&S VISA included in this package. You have following options:

- Download & install R&S VISA 5.12.3 or newer. R&S SGMA-GUI is properly configured to utilize this VISA library if present.
- Download & install 3rd party VISA implementation and enter the library filename as key Visa within the section [StartupProcess/OS_LINUX] of `/opt/rohde-schwarz/sigma-gui/opt/data/rc/00-default.ini`.

3 Customer Support

Technical support – where and when you need it

For quick, expert help with any Rohde & Schwarz equipment, contact one of our Customer Support Centers. A team of highly qualified engineers provides telephone support and will work with you to find a solution to your query on any aspect of the operation, programming or applications of Rohde & Schwarz equipment.

Up-to-date information and upgrades

To keep your instrument up-to-date and to be informed about new application notes related to your instrument, please send an e-mail to the Customer Support Center stating your instrument and your wish. We will take care that you will get the right information.

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