R&S®SGS100A
RF Source
Release Notes
Firmware Version 2.20.475.43

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

Test And Measurement

Release Notes

ROHDE&SCHWARZ

Table of Contents

1 Information on the Current Version and History

1.1 Version 2.20.475.43

Released : July 2012

New Functionality

Topic	Ref. No.
Option B112V (I/Q modulation up to 12.75 GHz)	10128
64 bit kernel mode drivers for Windows and Linux	10272
Level dialog: Level range	10325
Internal adjustment dialog: Delta temperature	10326
Installation of SGMA-GUI on Windows-PC w.o. Internet access	10306

Resolved Issues

Topic	Ref. No.
USB remote control now also stable for USB full speed mode	10113
Pressing the front side power button during boot causes inconsistent display of ext. reference frequency	10121
Faulty display of PEP between 6GHz and 12.75 GHz	10201
Sporadic fast bus errors	10323
Sporadic setting times >4 ms	10292

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Known Issues

Topic	Ref. No.
Remote control commands SYST:DATE and SYST:TIME stop PCIe remote control interface	10323

1.2 Version 2.20.417.20

Released : March 2012

New Functionality

- PEP and Crest display
- Modulator wideband state via fast PCIe
- Additional maintenance features (Factory recovery, USB install..)
- Eco mode
- HiSLIP – protocol support

- Improved monitoring via VXI-11 SGMA-GUI for Linux
- Simultaneous operation of SGMA-GUI and WinIQSIM2

Known Issues

Topic	Ref. No.
USB remote control now also stable for USB full speed mode	10113
Pressing the front side power button during boot causes inconsistent display of ext. reference frequency	10121

1.3 Version 2.20.265.42

Released : September 2011

New Functionality

- SGMA-GUI for Linux
- PCIe remote control for Windows
- Improved temperature compensation (RF level)
- Improved adjustments

1.4 Version 2.15.355.14

Initial Version May 2011

2 Modifications to the Documentation

The current documentation is up-to-date.

3 Installing the Software / Firmware

Note: 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.

3.1 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.

3.2 Installing new SGMA-GUI software

3.2.1 Windows

Supported operating systems:
- Windows XP (32 bit)
- Windows Vista (32 bit)
- Windows 7 (32 bit)
- Windows 7 (64 bit)

Administrator rights are necessary for installation and starting SGMA-GUI.

- Uninstall any previous version of SGMA-GUI before installing the new software.
- In Windows Explorer double-click **SGMA-GUI_2.20.475.43.exe** and follow instructions.

Using both SGMA-GUI and WinIQSIM2:
SGMA-GUI and WinIQSIM2 share some software components.
If both SGMA-GUI and WinIQSIM2 are installed on your computer and you uninstall one of them please execute the repair function of the other program by starting its uninstall function and selecting "Repair".

Installation on Windows XP computers without Internet access:
If the installation of SGMA-GUI fails with error message
"A certificate chain processed, but terminated in a root certificate which is not trusted by the trust provider." read on else ignore this paragraph.

The SGMA-GUI setup package has been code signed by Rohde&Schwarz to guarantee its authenticity. To verify the package's signature the installer needs a certificate which is either already installed on the computer or which the installer can download from the Internet.

With Windows XP computers which are not connected to the internet the installer may not be able to obtain the required certificate and terminates the installation with the above error message. In this case either connect the computer to the internet or else install certificate Rohde-Schwarz.p7b and retry the installation.

To install the certificate right-click on the file symbol and in the context menu select install.

3.2.2 Linux

Copy file **SGMA-GUI-INSTALL_2.20.475.43** to your computer. Make the file executable and execute it in a terminal. Follow instructions.

4 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.

USA & Canada

Monday to Friday	(except US public holidays)
8:00 AM – 8:00 PM	Eastern Standard Time (EST)
Tel. from USA	888-test-rsa (888-837-8772) (opt 2)
From outside USA	+1 410 910 7800 (opt 2)
Fax	+1 410 910 7801
E-mail	CustomerSupport@rohde-schwarz.com

East Asia

Monday to Friday	(except Singaporean public holidays)
8:30 AM – 6:00 PM	Singapore Time (SGT)
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Fax	+65 6 846 1090
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08:00 – 17:00	Central European Time (CET)
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