

R&S® NGA100 Power Supply Series

Release Notes

Firmware Version 4.009

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The software makes use of several valuable open source software packages. For information, see the "Open Source Acknowledgment" provided with the product.

The following abbreviations are used throughout this document: R&S® NGA100 Power Supply Series is abbreviated as R&S NGA100 Power Supply Series.

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1 Information on the Current Version and History

1.1 Version

Firmware package contents

Version	Contents
4.009	NGA1xx.rsu firmware update file

New Functionality

Version	Functions

Modified Functionality

Version	Functions
4.005	Remove current boost support to eliminate current overshoots

Improvements

Version	Improvements
04.005	Current overshoot during CC to CV transition
04.005	Low current transition ranges
04.005	Unexpected OVP when current is changed from MAX to MIN
04.005	Able to press output button even when menu page is shown
04.005	SCPI command processing improvement
04.005	Ramp timing consistency
04.006	Disable LED for CHN selection device is 1CH
04.006	Upgrade device properly when front controller contains on OS image
04.007	Support 64 and 32 bit mainboard micro-controller upgrade
04.007	Auto save configuration
04.007	Factory SCPI utilities for setting MB serial and material number
04.007	Current overshoot improvement for NGA 100V devices
04.008	WLAN display fixes
04.008	1CH variant fuse functionality fixes
04.008	Support upgrade when K0-maintenance is provided
04.009	Fix application crash during bootup when configuration is corrupted.

Known Issues

Version	Known-Issues

2 Modifications to the Documentation

The current documentation is up-to-date.

3 Firmware Update

3.1 Validity Information

The installation file is valid for:

NGA101

NGA102

NGA141

NGA142

3.2 Updating the Firmware

The firmware update process can be done via GUI menu:

1. Download firmware update files from R&S NGA100 product page and unzip it. The latest firmware file can be downloaded from R&S web site. The firmware update file is NGA1xx.rsu.
2. Copy the firmware update file into base directory of a USB flash drive. Do not rename this file.
3. Power up the instrument and connect the USB drive.
4. Press the Menu key → Select Utilities → Select Update
5. If a valid firmware update file is found, the "Update" button will become visible. Press the rotary knob or Enter key to start firmware update.
6. The update process will start. Wait until the firmware update is finished. The instrument will automatically restart after the update.

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 will provide 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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