

# R&S® NGUx01

## Release Notes

### Firmware Version 03.055



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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® NGUx01 is abbreviated as NGU.

PAD-TM: 3574-3288-02/03.00/CI/1/EN

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# 1 Information on the Current Version and History

## 1.1 Version 03.028

Version	Improvements
03.028	<ul style="list-style-type: none"> <li>- Added Ramp for NGU</li> <li>- Added Arb for NGU</li> <li>- Added Graphical View</li> <li>- Added SCPI Channel List Commands</li> </ul>

## 1.2 Version 03.043

### Improvements

Version	Improvements
03.043	<ul style="list-style-type: none"> <li>- Improved Fastlog</li> <li>- Improved Auto Range</li> <li>- Improved Arb</li> </ul>

### Known Issues

Version	Known-Issues
03.043	<p>With active mode "auto range" changes in current can be amplified by step voltage changes in fastlog (solved with 03.047).</p> <p>Current overrange is not visualized correctly in graphical view (solved with 03.047).</p>

## 1.3 Version 03.047

### Improvements

Version	Improvements
03.047	<ul style="list-style-type: none"> <li>- Improved Fastlog for activated Auto Range</li> <li>- Improved Graphical View on overrange events and for negative values</li> <li>- Fixed issue with lock commands via SCPI</li> </ul>

## 1.4 Version 03.055

### Improvements

Version	Improvements
03.055	<ul style="list-style-type: none"><li>- Added user warning on detection of erroneous adjustment data</li><li>- Harmonized fastlog sample rates with NGM (downward compatibility)</li><li>- Improved robustness and determinism for instrument internal communication</li><li>- Improved over current protection behavior on output on</li><li>- Improved ARB behavior</li><li>- Aligned adjustment with HW changes</li><li>- Improved protection for sink mode operation</li><li>- Improved trigger behavior and harmonize logic with NGM</li></ul>

## 2 Modifications to the Documentation

The current documentation is up-to-date.

## 3 Firmware Update

### 3.1 Update Information

Firmware updates for the R&S NGUx01 are available as download from the Rohde & Schwarz web page <http://www.rohde-schwarz.com>.

The installation file R&S NGUx01 is named `NGU_03_055.rsu`.

Attention: Microsoft browsers (Internet Explorer and Edge) rename the RSU files automatically to ZIP files. Please rename the downloaded ZIP file back to RSU.

### 3.2 Updating the Firmware

To update the firmware

1. Press Menu button
2. Open Device Menu -> Device Update
3. Navigate to update file (RSU file)
4. Press "UPDATE" button

After the update to the new version, the instrument will start with preset instrument settings.

To check the installed firmware version

1. Press Menu button
2. Open Device Menu -> Device Information

The firmware version is shown in the Information dialog.

### 3.3 Emergency Update of Firmware

If described firmware update (3.2) did not work, please use emergency update procedure:

1. Insert an USB memory stick (FAT32) with the latest firmware update file (RSU file) downloaded from the R&S website.
2. Press Enter (Encoder) and Output button
3. Power up the device
4. Wait for 5 seconds.
5. Release Enter (Encoder) and Output button
6. After 10 seconds the update process starts automatically

If the emergency update did not work, please contact customer support team.

## 4 Recommendations on Secure Operation

The R&S NGUx01 is designed to operate at local workplaces or in secured networks (LAN). It should not be accessible from the internet, because this is a potential security risk. As an example, attackers could misuse or damage your device.

Please always install the latest firmware.

It is highly recommended that you work closely with your IT department or system administrator to ensure compliance with your company policies when connecting devices to your company's network.

## 5 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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