

R&S® AFQ100B

I/Q Modulation Generator

Release Notes

Firmware Version 2.15.231.65

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81671 Munich, Germany

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The following abbreviations are used throughout this document:

R&S® AFQ100B is abbreviated as R&S AFQ100B.



ROHDE & SCHWARZ

Test and Measurement

Release Notes

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1 Information on the Current Version and History

1.1 Version 2.15.231.65

- New Standard Galileo (K266)
- New Standard LTE Release 9 (K284)
- New Standard IEEE 802.11 AC (K286)
- New Standard Glonass (K294)

1.2 Version 2.15.231.59

- Bugfix: Artifacts in error history removed

1.3 Version 2.15.231.58

- Bugfix: GPIB address not persistent

1.4 Version 2.15.231.55

- Support for new SDRAM modules
- Improved marker operations
- Increased upper limit for repeat count
- New Standard T-DMB/DAB (K253)
- New Standard Tetra Release 2 (K268)

1.5 Version 2.09.285.25

- Support for new SDRAM modules
- Improved marker synchronisation at 300 MHz

1.6 Version 2.09.285.24

- Bug in software memory test fixed

1.7 Version 2.09.285.21

- New standard Bluetooth+ (K260)
- New standard GSM EDGE+ (K241)
- New standard HD-Radio (K352)
- Bug in command remote control command "sour:equ:mod:rffr xxx;*opc?" fixed

1.8 Version 2.09.285.20

- Impairments phase error now limited to +/- 14 deg
- Missing recovery version information fixed
- GUI sometimes locked up after pressing trigger button at startup fixed
- Equalizer gain and phase data were limited to integer numbers fixed

1.9 Version 2.09.285.07

- First release

Note:

In this release, internal marker generators are not yet implemented for wideband mode (samples rates > 300MHz).

Use markers stored in memory instead.

2 Modifications to the Documentation

The current documentation is up-to-date.

3 Installing the Firmware

3.1 Installing new instrument firmware

1. Save the current version

It is highly recommended to save the current/running version. This can be done very easily (and it is completely intuitive with a mouse).

1. Switch off the device and switch it on again. When the device is starting now you see the Bootmanager window (blue background, white field inside and a red selection line) after a short time. If you see this window select "Backup/Recovery" and press **ENTER**.
2. After a short time you see a new window (blue background!) with five buttons. Select "**Make backup**" via the up or down arrow keys. Confirm this with the key **ENTER**. The device shows you the versions of what will be stored. Select the button "Make Backup" and the device starts working. This takes a while, but you get an information, when you can switch off the device (press the power on key for four seconds).

If you want to restore a previously saved version select "**Restore Backup**" at point 2.

2. Call Windows desktop

- Connect USB mouse to instrument.
- On the signal generator's graphical user interface select File Exit to shut down the generator software.
- Open Windows Explorer.

3. Uninstall old firmware version

- Double-click **RsSigGenUninstaller.cmd**
This script file identifies and removes all currently installed R&S instrument software items.
Confirm Message Box with "Ok".
The process will take several minutes.
- Confirm restart dialog prompt to restart the instrument.

4. Install new firmware version

- Double-click the item **AFQ100B_2.15.231.65.exe**
- Click button "Finish" when displayed (the instrument then restarts automatically).

5. Update PCI FPGA

Some firmware versions come with an updated PCI FPGA configuration which must be installed by the user. A message in the info line will notify you if an FPGA update is required. To update the PCI FPGA

- Go to dialog Setup / System / Update

- Click button **PCI-FPGA** and follow instructions. Make sure not to power off the instrument before the operation has completed!
- Shut down the program and **power off** the instrument.
- Switch instrument on again to make the changes active.

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.

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