

R&S®BBA300

Release Notes

Software Version 2.3.1

© 2023 Rohde & Schwarz GmbH & Co. KG
Muehldorfstr. 15, 81671 Munich, Germany
Phone: +49 89 41 29 - 0
E-mail: info@rohde-schwarz.com
Internet: <http://www.rohde-schwarz.com>

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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®BBA300 is abbreviated as R&SBBA300

PAD-T-M: 3574.3288.02/00.01/CI/1/EN

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1 Information on the current version and history

1.1 Version 2.3.1

New functionality

Functions

Online help in the Web-MMI (available via ?-button)

SCPI-command `"*OPT?"`

Modified functionality

Functions

-

Improvements

Improvements

Numerous improvements concerning the combination of R&SBBA150/130 and R&SBBA300 to a system

The problem was solved that after switching RF-Operate on/off the SCPI command `"RF:OUTPut:STATe?"` immediately returned the new state even though the new state was not really reached yet.

Numerous improvements concerning the logbook in the Web-MMI.

Known issues

Known Issues

The SCPI commands `"RF:PROBe:STATe"` and `"RF:PROBe:STATe?"` do not have any effect as RF sample port switches are not supported yet.

During a software update, the device shows no hint for a running update. The software distributor shows the progress of the update.

R&SBBA300 without K1 Option cannot change Output Mode and Operating Class from R&SBBA130

Customer can not use the system in the subnet 192.168.58.x (reserved for internal communication)

Switch RF-Operate while muting can cause undefined behavior.

Please start muting after amplifier is in RF-Operate state.

In rare cases it might happen that one or more of the system's units freeze (do not react to any interactions anymore). In that case you are kindly requested to turn the whole system off and on again.

1.2 Version 2.0.0

New functionality

Functions

Combine R&SBBA150/130 and R&SBBA300 to a system

New menu "RF-Path Selection"

Software Option K130 (Fast Amplifier Mute)

Modified functionality

Functions

Renamed "Gain" setting to "Gain Control" in GUI

X105 signal OPERATE_STANDBY inverted

Improvements

Improvements

Faster RF-Operate and RF-Off switching

Fast interlock changes may cause undefined device behavior solved

Improved system availability e.g. continuous operation

Known issues

Known Issues

The SCPI commands "RF:PROBe:STATe" and "RF:PROBe:STATe?" do not have any effect as RF sample port switches are not supported yet.

During a software update, the device shows no hint for a running update. The software distributor shows the progress of the update.

Local Device Time Timestamps are not correct (use Local Browser Time)

R&SBBA300 without K1 Option cannot change Output Mode and Operating Class from R&SBBA130

No error messages from R&SBBA150/130 are logged to R&SBBA300

Customer can not use the system in the subnet 192.168.58.x (reserved for internal communication)

Only one R&SBBA150/130 system is supported

Switch RF-Operate while muting can cause undefined behavior.

Please start muting after amplifier is in RF-Operate state.

In rare cases it might happen that one or more of the system's units freeze (do not react to any interactions anymore). In that case you are kindly requested to turn the whole system off and on again.

1.3 Version 1.5.0

New functionality

Functions

Automatic Standby Feature

Support for timezones

System diagnosis for R&S Service

Operating Misc menu in frontpanel

Added SCPI commands:

SYSTem:DATetime:LOCal

SYSTem:DATetime:ZONe

Modified functionality

Functions

Setting of date and time

Updated base operation system

Gain setting in 0.25 dB steps

Improvements

Improvements

Solved issue: Changing the gain to a positive value is possible but does not have any effect.

Solved issue:

In the Web-MMI the user dialogue cannot be closed after opening it via the button with the user name in the menu with the user name.

In that case use the buttons "Logout" or "Reload App" to exit, please.

GUI Layout improvements

Logbook entry "Reduced RF Power" added in case of continued operation with failure

Known issues

Known Issues

The SCPI commands "RF:PROBE:STATE" and "RF:PROBe:STATE?" do not have any effect as RF sample port switches are not supported yet.

During a software update, the device shows no hint for a running update. The software distributor shows the progress of the update.

Fast interlock changes may cause undefined device behavior

1.4 Version 1.2.0

New functionality

Functions

License / Option Management

Software Option BBA300-K001 - Adjust Operation Point & High Power

Added support for devices of type "DE15", "DE25", "DE50", "DE90", "CDE90" and "DE180".

Two separate configurable interlocks

Rf Operate works with defect transistors

Modified functionality

Functions

-

Improvements

Improvements

Solved issue with interlock for device type "CDE180"

Known issues

Known Issues

The feature of "Automatic Standby" is not supported yet.

Changing the gain to a positive value is possible but does not have any effect.

In the Web-MMI the user dialogue cannot be closed after opening it via the button with the user name in the menu with the user name.
In that case use the buttons "Logout" or "Reload App" to exit, please.

The SCPI commands "RF:PROBe:STaTe" and "RF:PROBe:STaTe?" do not have any effect as RF sample port switches are not supported yet.

During a software update, the device shows no hint for a running update. The software distributor shows the progress of the update.

1.5 Version 1.0.1

New functionality

Functions

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Modified functionality

Functions

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Improvements

Improvements

The problem was solved that in rare cases the amplifier froze (did not react to any interactions anymore).

Known issues

Known Issues

In devices of type "CDE180" opening the interlock with RF-Operate being turned on causes numerous errors while RF-Operate is automatically turned off. After closing the interlock it is not possible to turn RF-Operate on again.

In that case you are kindly requested to turn the amplifier off and on again or restart it via the SCPI command "**RST" or the "Restart"-button in the Web-MMI.

The feature of "Automatic Standby" is not supported yet.

Licence / Option Management is not supported yet.

Changing the gain to a positive value is possible but does not have any effect.

In the Web-MMI the user dialogue cannot be closed after opening it via the button with the user name in the menu with the user name.

In that case use the buttons "Logout" or "Reload App" to exit, please.

The SCPI commands "RF:PROBe:STATe" and "RF:PROBe:STATe?" do not have any effect as RF sample port switches are not supported yet.

In some rare cases there might occur a warning W235 "Gate current out of range for amplifier..." in the logbook while having RF-Operate turned on even though the gate current is OK.

1.6 Version 1.0.0

New functionality

Functions

Devices of type "CDE15", "CDE25", "CDE50" and "CDE180" are supported.

Modified functionality

Functions

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Improvements

Improvements

-

Known issues

Known Issues

In devices of type "CDE180" opening the interlock with RF-Operate being turned on causes numerous errors while RF-Operate is automatically turned off. After closing the interlock it is not possible to turn RF-Operate on again.

In that case you are kindly requested to turn the amplifier off and on again or restart it via the SCPI command "**RST" or the "Restart"-button in the Web-MMI.

The feature of "Automatic Standby" is not supported yet.

Licence / Option Management is not supported yet.

Changing the gain to a positive value is possible but does not have any effect.

In rare cases it might happen that the amplifier freezes (does not react to any interactions anymore). In that case you are kindly requested to turn it off and on again.

The SCPI commands "RF:PROBe:STATe" and "RF:PROBe:STATe?" do not have any effect as RF sample port switches are not supported yet.

In the Web-MMI the user dialogue cannot be closed after opening it via the button with the user name in the menu with the user name.

In that case use the buttons "Logout" or "Reload App" to exit, please.

2 Modifications to the documentation

The current documentation is up-to-date.

3 Firmware update

Further information

- For detailed instructions and information about the Firmware Update refer to the chapter named "Software Update" in the User's Manual.

3.1 Validity information

If necessary list here the material and model numbers the firmware is referring to

Device	Order Number
BBA300	5357.9053K40

3.2 Update information

Downgrading to lower version numbers than the installed one is not supported.

3.3 Updating the firmware

The ZIP-archive contains the files "BBx_[Version].exe" and "OSA_BBx.pdf" and must be extracted to any directory.

Then the file "BBx_[Version].exe" has to be executed.

In the first two screens just press "Next >".

In the third screen called "Device List" select your found and desired BBA300 by clicking the checkbox of the respective line and press "Install" afterwards.

The status in the respective line should change to "Copy..." and others then.

You are kindly requested to be patient and not turn off the system during that process. Completion of the installation is displayed via the status "Ready:..see report for details!" in the respective line.

Finally, the update program can be closed via pressing "Exit".

In case of problems or for detailed instructions and information about the Firmware Update refer to the chapter named "Software Update" in the User's Manual, please.

4 Customer support

Technical support – where and when you need it

For quick, expert help with any Rohde & Schwarz product, contact our customer support center. A team of highly qualified engineers provides support and works with you to find a solution to your query on any aspect of the operation, programming or applications of Rohde & Schwarz products.

Contact information

Contact our customer support center at www.rohde-schwarz.com/support or follow this QR code:



Figure 4-1: QR code to the Rohde & Schwarz support page