

# R&S®RTB 2cilloscope

## Release Notes

**Firmware Version 03.000**

**This is the first release for the RTB 2 series**

**R&S®RTB22 Oscilloscope, order no. 1333.1005K02**

**R&S®RTB24 Oscilloscope, order no. 1333.1005K04**

© 2024 Rohde & Schwarz GmbH & Co. KG

Muehldorfstr. 15, 81671 Munich, Germany

Phone: +49 89 41 29 - 0

E-mail: [info@rohde-schwarz.com](mailto:info@rohde-schwarz.com)

Internet: <http://www.rohde-schwarz.com>

Subject to change,

R&S® is a registered trademark of Rohde & Schwarz GmbH & Co. KG.

Trade names are trademarks of the owners.

1234.5678.02 | Version 06 | R&S®RTB 2 |

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®RTB 2 is abbreviated as R&SRTB 2.

PAD-T-M: 3574.3288.02/07.00/CI/1/EN

**ROHDE & SCHWARZ**

Make ideas real



# Contents

<b>1</b>	<b>Information on the current version and history .....</b>	<b>3</b>
1.1	New functionality .....	3
1.2	Modified functionality .....	3
1.3	Improvements .....	3
1.4	Known issues .....	3
<b>2</b>	<b>Modifications to the documentation .....</b>	<b>4</b>
<b>3</b>	<b>Firmware update .....</b>	<b>5</b>
3.1	Update the firmware using a USB flash drive .....	5
3.2	Update the firmware using a PC with USB cable connection to the instrument ..	6
3.3	Firmware downgrade.....	6
<b>4</b>	<b>Customer support.....</b>	<b>7</b>

# 1 Information on the current version and history

## 1.1 New functionality

Version	Functions
03.000	This is the first release.

## 1.2 Modified functionality

Version	Functions
03.000	This is the first release.

## 1.3 Improvements

Version	Improvements
03.000	None, as this is a first release.

## 1.4 Known issues

The following tables list the known issues and indicate since which version the issue could be observed.

Since	Issue
03.000	Waveform disappears by changing timebase between 50ms and 100ms with active norm trigger without trigger event. Workaround: Use STOP mode before timebase change.
03.000	Option RTB-K36: Wrong horizontal marker position via SCPI commands after horizontal shift of gain and phase waveform.

## 2 Modifications to the documentation

The current documentation is up-to-date.

## 3 Firmware update

Firmware updates for the R&S®RTB 2 are available as download from the Rohde&Schwarz web page <http://www.rohde-schwarz.com>.

The installation file for R&S®RTB22 is named "RTB2002.FWU".

The installation file for R&S®RTB24 is named "RTB2004.FWU".

To check the installed firmware version, select "Device Information" from the "Setup" menu.

There are several ways to update the device after downloading the firmware installation file.

### 3.1 Update the firmware using a USB flash drive

Copy the update file to a flash drive and insert the flash drive into the USB socket at the front of the instrument:

Follow these steps to update the instrument firmware:

1. Touch on the "Menu" icon on the screen to open the main menu.
2. Scroll down the main menu until the "Setup" icon is visible.
3. Touch on the "Setup" icon to open the setup menu.
4. Select "Firmware Update"; the instrument will display the current version ("Installed") and the version on the USB drive ("New") for both the device firmware and the front controller firmware.
5. Select "Execute" to start the update process for the device firmware.
6. Wait until the update process has completed. This may take up to one minute. The instrument automatically reboots once the update process is finished.

If there is a newer version of the front controller firmware too, select "Execute" once again to update this firmware as well. The front controller firmware update only takes seconds and does not require a reboot of the instrument after it has completed



Interruption of the power during the update process can make the instrument unusable!

---

## 3.2 Update the firmware using a PC with USB cable connection to the instrument

Follow these steps to update the instrument firmware via USB cable:

1. Setup the R&S®RTB 2 Interface settings to USB MTP.  
'SETUP\INTERFACE\USB\PARAMETER' or touch on interface symbol below the date and time in the upper right corner.
2. Connect your PC to the R&S®RTB 2 with a USB cable. The PC's USB host port (type A) connects to the USB device port (type B) on the rear of the oscilloscope.
3. The PC will show a popup message asking if you would like to connect to the oscilloscope.
4. Click on "Open device to view files".
5. Then the primary directories (internal storage, live data and upload) appear.
6. Drag & drop the new version of the firmware to the upload directory.
7. Select 'EXECUTE' on the R&S®RTB 2 to start the update process.
8. Wait until the update process has completed. This may take up to one minute. The instrument automatically reboots once the update process is finished.
7. If there is a newer version of the front controller firmware too, select "Execute" once again to update this firmware as well. The front controller firmware update only takes seconds and does not require a reboot of the instrument after it has completed.



Interruption of the power during the update process can make the instrument unusable!

---

## 3.3 Firmware downgrade

A firmware downgrade is handled like a firmware update.

## 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](http://www.rohde-schwarz.com/support) or follow this QR code:



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