



ROHDE & SCHWARZ

Radiomonitoring and Radiolocation
Division

Release Notes

Firmware Update V03.50

R&S EB510

4091.7009.02

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Dear Customer,

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1 General Information

Installation CD: EB510

CD Version: V01.02

Release date: July 2012

Part No.: 4091.7321.00

1.1 Manual for EB510

The following manual is supplied with the EB510: **Operating Manual EB510**, order no. 4091.7344.02 – 02.

1.2 How to obtain a current version of the manual

- Order a printed Operating Manual from Rohde & Schwarz, order no. 4091.7344.02.
- Please ask your local support for a manual in PDF format.
- You will also find PDF documents of the current release of the manual on the Software/Documentation CD.

2 Current Release

2.1 EB510 Firmware V03.50

2.1.1 New Features

- Software option R&S EB510-DDC (Digital Down Converter) is now supported.
- Jumbo frames is now supported.

2.1.2 Improvements

- IQ LAN streaming performance has been improved.

2.1.3 Changes

- GPSC Trace channel data is now tied to Main Receiver instead of DDC1.
- Switching to an unsupported antenna polarization no longer reports an error message. It will be silently discarded.

2.1.4 Problems Solved

- Changing demodulation to phase demodulation causes audio to stop. This problem has been resolved.
- FSCAN & MSCAN now works with small bandwidths.
- The PSCAN spectrum started flickering when changing the attenuation. This problem has been resolved.

2.1.5 Known Errors and Limitations

- Due to hardware limitations only the first 1000 memory channels are stored nonvolatile. To store channels 1001 to 9999, the internal or external GUI "PRESET Profile" function can be used.
- The current version of RAMON (EB510-CTL_5.4.0.11158) will crash when used together with EB510 Firmware V03.50 in polychrome histogram mode.

2.2 EB510 GUI V03.50

2.2.1 New Features

- GUI supports Digital Down Converter Option

2.2.2 Improvements

- The panel config dialogs now have a button to automatically adjust the level range.

2.2.3 Changes

- In case the EB510 is connected to a time server, network time can be used as a time source.

2.2.4 Problems Solved

- When displaying the IF panorama in differential mode, the color coding bar at the right of IF panorama is now showing the correct color coding, which is the same as the color coding bar in the waterfall panel.
- Temporary files and folders which are created for file export operations are now properly deleted when closing the dialog.
- When a USB flash drive is removed during file export the GUI will not “hang” anymore.
- If memory contains only extreme (high and low) frequencies and no frequencies in between (e.g. 100, 110, 120, 2000, 2010, 2020), the zooming in MScan now works properly.

2.2.5 Known Errors and Limitations

- During FScan if the user chooses a step size larger than 10 MHz, a warning “Value too high” will be displayed. Nevertheless the scan can work without problem.

3 Release History

3.1 EB510 Firmware V02.50

3.1.1 New Features

- Not Applicable.

3.1.2 Improvements

- Not Applicable.

3.1.3 Changes

- Not Applicable.

3.1.4 Problems Solved

- Not Applicable.

3.1.5 Known Errors and Limitations

- No known errors and limitations.

3.2 EB510 GUI V2.50

3.2.1 New Features

- Not Applicable.

3.2.2 Improvements

- Not Applicable.

3.2.3 Changes

- Not Applicable.

3.2.4 Problems Solved

- Not Applicable.

3.2.5 Known Errors and Limitations

- When displaying the IP panorama in differential mode, the color coding bar at the right of IF panorama is shown in gray. It should be the same as the color coding bar in the waterfall panel.
- When starting the export dialog, some temporary files and folders are created. These temp files / folders are not deleted after closing the dialog. A side effect is that the folders from then onwards appear in the Recording dialog and, other than by sanitizing, can not be deleted.
- There is a chance that the GUI hangs when a USB flash drive is removed during export.
- If memory contains only extreme (high and low) frequencies and no frequencies in between (e.g. 100, 110, 120, 2000, 2010, 2020), the zooming in MScan can not work: the scan stops and the frequencies have to be re-enabled in the Memory Edit dialog.

3.3 First Release

EB510 V02.50 is the first official version.