

# R&S® USB Write Protection Utility (for Instruments with Windows XP®) Installation Manual

USB ports can pose a security threat in high-security locations. Generally, this threat comes from small USB pen drives (also known as memory sticks, key drives, etc.), which can be very easily concealed, yet can quickly read or write several GBytes of data.

The R&S® USB Write Protection Utility disables the writing capability on any USB port for storage devices. After installation and rebooting the instrument, any USB mass memory device which is plugged into the instrument cannot be written to. If the writing capabilities are required again at the USB port, uninstall the R&S® USB Write Protection Utility. After rebooting the instrument, writing to USB mass memory devices is enabled again.

Note that different utility setup files exist for different operating systems. **Be sure to install the correct files for the operating system used by the specific instrument.** This document describes the preconditions and installation required to use the USB Write Protection Utility on the following instruments using the Windows XP® operating system:

EMI Test Receivers	R&S®ESU	Real-Time Spectrum Analyzers	R&S®FSVR
	R&S®ESR	Signal Analyzers	R&S®FSQ
	R&S®ESRP		R&S®FSG
	R&S®ESL	Baseband Analyzers	R&S®FMU
Spectrum Analyzers	R&S®FSL	Vector Network Analyzers	R&S®ZVL
	R&S®FSP		R&S®ZVA
	R&S®FSU		R&S®ZVB
	R&S®FSV (order no. 1307.9002Kxx)		R&S®ZVT



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# 1 Installation

## Preconditions

The R&S® USB Write Protection Utility described here works on instruments using the Windows XP® operating system **with ServicePack 2** only. Check the system properties in the Windows® control panel to ensure this service pack is installed.

For some instruments, in order to install the utility you must plug a keyboard and a mouse into the instrument.

## To install the R&S® USB Write Protection Utility on the instrument

1. If the instrument firmware is running, terminate it by pressing ALT+F4.
2. Start the Windows Explorer and select the directory which contains the USBProtection-1-1.03.msi file.
3. Select the file and press the ENTER key to start the installation.

Installation starts and all necessary files are stored to the hard disk of the instrument.

**Note:** Do not perform any actions on the instrument during installation!

4. Reboot the instrument to activate the USB write protection.

## To uninstall the R&S® USB Write Protection Utility

1. If the instrument firmware is running, terminate it by pressing ALT+F4.
2. Open the Windows "Start" menu, for example by pressing the CTRL & ESC keys, then select "Settings > Control Panel > Add or Remove Programs".
3. Select the "R&S USB Utility" entry, then select "Remove".

The R&S® USB Write Protection Utility is uninstalled.

4. Reboot the instrument to activate the USB port writing capabilities.

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Mühldorfstr. 15, 81671 München, Germany  
Phone: +49 89 41 29 - 0  
Fax: +49 89 41 29 12 164  
E-mail: [info@rohde-schwarz.com](mailto:info@rohde-schwarz.com)  
Internet: [www.rohde-schwarz.com](http://www.rohde-schwarz.com)

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