

R&S®NRPV

Virtual Power Meter

Release Notes

Application Version 1.8.0

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81671 Munich, Germany

Subject to change – Data without tolerance limits is not binding.

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The following abbreviations are used throughout this document:

R&S®NRPV is abbreviated as R&S NRPV.



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Test and Measurement

Release Notes

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1 Information on the Current Version and History

General information

This document describes the installation procedure for the R&S®NRPV Virtual Power Meter Software. It furthermore describes the differences between the several software versions. The most current version of the application can be obtained from www.rohde-schwarz.com.

1.1 Version 1.8.0

Released: June 2015

Changes

- Fixed handling of file change notification reload mechanism
- Fixed issue of changes in offset-files are not recognized after loading
- Fixed issue of unsent parameter to sensor when changing trigger from auto to normal
- Added 'Save Data' function in Trace context-menu to save data to CSV files
- Enhanced 'Task-file-was-modified' recognition
- Increasing resolution of recording data depending on selected resolution unit
- New Trigger Master/Slave dialog and handling
- Deactivated Trigger Master Submenu
- Considering Fence on/off switch when setting timeslot fence timing parameters
- Supporting new NRPxxS[N] series power sensors

1.2 Version 1.6.5

Released: July 2014

Changes

- Refrain from sending commands to sensors which do not support them
- Considering Fence on/off setting in Timeslot mode

1.3 Version 1.6.2

Released: August 2013

Changes

- Added 'Save Data' function in Trace measurement for exporting Trace data to CSV files
- Added an entry in the 'File' menu to open NRPV data folder in an explorer window
- Added possibility to enlarge result fields of Trace Markers (also known as 'zoomed out result display' [see NRPV user-manual chapter 5.1.1.1])

Known issues

- Display unit '%' should read ' $\Delta\%$ '

1.4 Version 1.6.0

Released: June 2013

Changes

- Added data recorder for numerical measurements
- Marker capable of searching -3 dB point also in linear (Watt) scaling
- Fixed scaling/auto-scaling in linear and logarithmic trace display
- Fixed missing storage of certain settings in taskfiles (MaxHold in Trace mode; DisplayUnit in ContAV mode)
- Corrections in documentation/user manual

Known issues

- Display unit '%' should read ' $\Delta\%$ '

1.5 Version 1.4.0

Released: May 2012

Changes

- Fixed display of Statistics graph ('0.0' values have been shown incorrectly)
- While writing an NRPZ-K1 license into a sensor a busy window is displayed to prevent the user from disconnecting the sensor before the write operation is finished
- Licensing dialog sometimes displayed an old device ID for activation of an unregistered license for a given sensor. This has been fixed.
- Entering temporary activation key gives a grace period of 2 hours for unlicensed sensors (instead of formerly 1 hour)
- Handling of Triggered/Trigger Waiting symbols in single-triggered Trace mode fixed
- Fixed Averaging Off state for sensors which support Realtime-mode
- Installer now also creates an uninstall option in NRPV program group
- Fixed 'Next Peak' calculation in Trace mode
- Added 'Print' functions to all measurement modes
- Added 'Copy To Clipboard' functions to all measurement modes
- Fixed installer's splash screen position
- Added a check to the installer whether the NRP-Toolkit driver package has already been installed

Known issues

- Display unit '%' should read 'Δ%'

1.6 Version 1.2.0

Released: April 2011

Initial Release

Known issues

- Occasionally the drawing of a new trace result is delayed by up to 0.1 second
- While processing NRPZ-K1 license for a sensor no hourglass is shown
- System shutdown closes all measurement windows before taskfile becomes saved

2 Software Installation and Update

This section describes the installation of the NRPV software on a Microsoft® Windows based PC. Additionally, the section contains information on the software packages, prerequisites and uninstalling.

Prerequisites

- It is recommended that you use the latest version of the NRPV software, provided at the R&S website <http://www.rohde-schwarz.com>
- Close all running applications before installing
- The driver-suite for R&S® NRP-Zxx series and R&S® NRPxxS[N] series of USB power sensors needs to be installed for being able to communicate with the power sensors. This package is called NRP-Toolkit. It can be installed before or after the installation of the NRPV software. NRP-Toolkit can be obtained from the R&S website http://www.rohde-schwarz.com/en/software/nrp_s_sn/

2.1 Installation



NRPV requires at least 50 MB of free disk space.

1. Download or copy the latest version of NRPV setup program from the R&S website <http://www.rohde-schwarz.com>.
2. Execute `NRPV_SetupV1.8.0.exe`, and follow the instructions of the setup wizard.

During installation, the setup program:

- installs the "Microsoft VC Runtime libraries", which may take some time
- provides selection of the destination directories for the NRPV application files and user manual
- checks whether a reasonably new NRP-Toolkit is installed on the PC and informs the user if an action is required to update or install the NRP-Toolkit

2.1.1 Uninstalling NRPV

Uninstall a version of NRPV with the aid of the PC's control panel:

1. "Start > Settings > Control Panel" in the windows task bar and then open the "Add or Remove Programs" dialog.
2. Select NRPV **Virtual Power Meter V1.x.y** and uninstall the program with "Remove" (x.y represents the version).

3 Open Source Acknowledgement

This software makes use of valuable open source software packages:

TinyXML	http://sourceforge.net/projects/tinyxml/	Zlib License
wxWidgets	http://www.wxwidgets.org	wxWindows Library Licence v. 3.1
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zlib	http://www.zlib.net/	Zlib License
OpenSSL	http://www.openssl.org/	

The OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>) includes cryptographic software written by Eric Young (eay@cryptsoft.com) and software written by Tim Hudson (tjh@cryptsoft.com).

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Rohde & Schwarz would like to thank the open source community for their valuable contribution.

```
/* zlib.h -- interface of the 'zlib' general purpose compression
library
version 1.2.5, April 19th, 2010
```

```
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```

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```
Jean-loup Gailly
Mark Adler
```

```
*/
```

wxWindows Library Licence, Version 3.1

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