

# R&S®InstrumentView

## Release Notes

### Software Version 3.3

© 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>

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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®InstrumentView is abbreviated as R&S InstrumentView

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# Contents

<b>1</b>	<b>Information on the current version and history .....</b>	<b>3</b>
1.1	New Functions .....	3
1.2	Modified functions .....	6
1.3	Improvements .....	7
1.4	Known issues.....	8
<b>2</b>	<b>Customer support.....</b>	<b>10</b>

# 1 Information on the current version and history

You can use R&S®InstrumentView with the following products:

- ▶ R&S®FSH4 series
- ▶ R&S®ZVH
- ▶ R&S®FPH
- ▶ R&S®ZPH
- ▶ R&S®ZNH
- ▶ R&S®FPC
- ▶ R&S®FSC
- ▶ R&S®RTH1000
- ▶ R&S®RTA4000
- ▶ R&S®RTB2000
- ▶ R&S®RTC1000
- ▶ R&S®RTM3000
- ▶ R&S®PR200
- ▶ R&S®EM200
- ▶ R&S®ESMW

Available functionality may vary depending on the connected device.

## 1.1 New Functions

The following table lists the new functions and indicates the version in which the new function was introduced:

### New function of Software V3.3:

There are no new functions in this release.

### New functions of earlier Software versions:

Version	Function
V3.2	Support for TRL(Through/Reflect/Line) waveguide calibration (for R&S®ZNH) in the Calibrations Kit Editor.
V3.1	Support for R&S®ZVH CAT mode Split Screen for parallel display of DTF and reflection measurements results.
V3.0	Support for monitoring receiver R&S®ESMW.
V2.9	Support of R&S®FSH-K20 Segmented Sweep Application.
V2.9	Remote display and file transfer support for Oscilloscopes.

V2.8	Support for R&S®FPH-K105 and R&S®ZPH-K105 EMF Measurement Application.
V2.8	Command line interface added to export CSV to and from device files like transducer, limit line, standards etc.
V2.7	Support for Limit Line Editor added for monitoring receivers, R&S PR200 and R&S EM200.
V2.6	Support for Antenna firmware update added for monitoring receivers, R&S PR200 and R&S EM200.
V2.5	Support for R&S®ZNH Firmware Version V1.20.
V2.5	Support for export of S-parameter traces to Touchstone format.
V2.4	Support for Receivers: R&S®PR200 and R&S®EM200 including editors for Transducer Correction Set, Memory List and Suppress List.
V2.4	Support for Network Analyzer: R&S®ZNH including extended editor for Calibration Kit definition.
V2.3	EIRP measurement mode support (for R&S®FPH and R&S®ZPH).
V2.3	USB connection support for Oscilloscope devices.
V2.2	Support for Waveguide dispersion calibration (for R&S®FSH and R&S®ZVH) in the Calibrations Kit Editor.
V2.1	Support for Oscilloscope devices: R&S®RTH1000, R&S®RTA4000, R&S®RTB2000, R&S®RTC1000 and R&S®RTM3000.
V2.0	Support for EMF Live Editing and EMF Quick Scan.
V2.0	ASK/FSK Mode support for R&S®FPH and R&S®ZPH.
V2.0	Dual Trace support for S11/S21 in Vector Network Analysis (for R&S®FPC1500).
V1.90.1	Support for R&S®ZPH model 12.
V1.90	Support for DTF threshold List.
V1.90	One click solution to generate reports across subfolders.
V1.90	Receiver Dual Trace support and Receiver Peak List support (for R&S®FPC only)
V1.90	Support for Logarithmic Limit lines.
V1.90	Included standard Limit Line templates for testing EMC Compatibility.
V1.80	Support for R&S®FSH-K105 EMF Measurement Application.
V1.80	Support added to edit the cable Model for DTF measurements
V1.80	Preview added to Report Generator
V1.70	Fixed Visa transfer errors with bigger files.
V1.70	New Menu Option in Network Analyzer and CAT modes to copy trace as single image.

V1.70	Fixed the issue with Display Line 2, which was not showing in ZPH DTF Split Screen.
V1.70	Dropped support of Windows XP.
V1.60	Support of ZPH Distance To Fault: Split Screen.
V1.60	Support for adding comments and pictures per measurement dataset in reports.
V1.60	Command line ZVH dataset to ZPH dataset converting.
V1.60	Command line dataset to CSV format converting.
V1.50	Remote Firmware Update.
V1.50	Command line dataset processing.
V1.50	Support loading and saving of instrument files using CSV format.
V1.40	Support of Channel Power, Occupied Bandwidth, TDMA Power, Spectrum Emission Mask, ACLR, Harmonic Distortion, AM Modulation Depth.
V1.40	Support of Network Analyzer.
V1.40	Support of Cable and Antenna Tester
V1.40	Support of Distance to Fault
V1.40	Support of Vector Volt Meter
V1.40	Support of FPH and FPC1000 Receiver Mode
V1.40	Support of Interference Analyzer: Carrier to noise, Carrier to Interference
V1.40	Support for full dataset retrieval
V1.40	Support for Meter/Feet
V1.40	"Active to Dataset" & "Dataset to Active" functionality
V1.31	Lab Display (Control of multiple devices)
V1.31	Connection Manager
V1.30	Support of FSH4/8/13/20 Receiver Mode
V1.30	Support of Signal Strength Mapping
V1.30	Support of Spectrogram / Long time recording
V1.20	Support of AM/FM demodulation application
V1.20	Support of the Wizard functionality
V1.20	Support of Remote Display

## 1.2 Modified functions

The following table lists the modified functions and indicates the version in which the modification was carried out:

### Modifications of Software V3.3:

Version	Function
V3.3	Support to load .set file in the Limit Line editor.
V3.3	Included an 'Add Offset' button in Limit Line editor to offset all y values at once.
V3.3	Added a new setting to edit the 'trace name' in Trace Setup for FPC, FPH, ZPH and ZNH.

The following table lists the functions modified in earlier Software versions:

Version	Function
V3.2	Multiple preview enabled in the Report Generator.
V3.2	Updated standard Limit Line templates for testing EMC Compatibility.
V3.0	Added Limit line setup to power meter mode.
V2.9	Marker coupling enabled for ZNH traces in network analyzer mode.
V2.9	Support to import and add traces from CSV files in Oscilloscope workspace.
V2.9	Support to view measurement Rise time, Fall time, Positive width and Negative width for oscilloscope traces.
V2.9	Support for opening wizard files(.mdf) from "open" menu option.
V2.9	Included measurement graph bar color setting in EMF analysis view.
V2.9	Added 'Copy full path' and 'Open Containing folder' for mouse right click on open files tab.
V2.8	Axis Scaling settings added to customize the x-axis and y-axis precisions.
V2.8	Option to choose color for labels in the spectrogram view.
V2.8	Color settings option included for Monitoring receivers.
V2.7	Bandwidth type included in the Memory List editor.
V2.7	Directory explorer replaced with new dialog resembling the file explorer.
V2.6	Support to open .set file in the Transducer editor for Spectrum Analyzers.
V2.5	Support of memory trace export to CSV format.

V2.5	Import and export support for CSV format in Monitoring Receiver editors: Transducer, Suppress List and Memory List.
V2.5	Activate and Retrieve features added to Suppress List and Memory List editors.
V2.5	Configurable scan port added in the connection manager.
V2.5	Multiple Monitoring Receivers can be selected for firmware update.
V2.4	Support for hostname included in Connection Manager.
V2.4	Support for SCPI port configuration for PR200 and EM200, in Connection Manager.
V2.4	Transducer Editor selection for Spectrum Analyzers and Monitoring Receivers
V2.3	Fixed unit conversion issues in Unit Settings in the Power Meter Mode.
V2.2	Improved preview drawing in Transducers editor for constant values.
V2.1	Added Cable Model data points to CSV export for ZPH-CAT measurements.
V2.0	'Use Channel Filter' added to SEM and ACLR in Standards Editor.
V2.0	Enabled saving of changed settings in Multi Transfer.
V1.90	Increased default Frequency Range restrictions in the EMF Config Editor to 20GHz.
V1.90	Fixed results for limit lines in Receiver Mode with transducer.
V1.90	Enabled Preview for SEM Type in Standards Editor.
V1.90	Corrected the result computation and view for relative limit lines.

### 1.3 Improvements

The following tables list the improvements and indicate since which version the issue fix could be observed:

#### Improvements of Software 3.3:

Version	Function
V3.3	Fixed issue with "Generate" button in Report Generator.
V3.3	Fixed the error in loading ZPH traces reported in V3.2.

The following table lists the improvements and issues eliminated in earlier versions:

Version	Function
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V3.2	Fixed the owner property error with command line -ConvertToLimitLine and -ConvertToTransducer.
V3.1	Fixed issue with FPH receiver get-trace showing zero value.
V3.0	Fixed issue in loading csv from RTA4000.
V3.0	Fixed graph glitch issue in polygon style receiver trace when in log scale.
V2.9	Fix for scaling issues in the oscilloscope trace views.
V2.9	Oscilloscope traces are rendered in 10 or 12 divisions to be consistent to the connected oscilloscope
V2.9	Included trigger information in the setup information for oscilloscope trace view.
V2.8	UNC path support fixed for the directory explorer.
V2.7	Fix to retain the date and creation time of files when transferred from device to local.
V2.7	Fix to enable Lab Display for R&S®ZNH.
V2.7	Improved trace load performance for R&S®ZNH datasets.
V2.5	Fix to allow selection of exe files for firmware update.
V2.4.1	Fixes and improvements to ZNH support.
V2.4	Fix to handle 2 Channel Scope devices.
V2.3.1	Older version InstrumentView installation could fail in combination with latest Windows security patch updates. This issue is fixed.
V2.3	Fixed the cKit file compatibility issue in FPC/FPH/ZPH seen in V2.2.
V2.2	Fixed incorrect start and stop frequency shown in ZVH DTF measurement.
V2.2	Fixed Indoor maps with gps not working for some gps coordinates.
V2.2	Fixed file name clipping in Landscape Print mode.
V2.2	Fix for inverted horizontal axis for imported Scope CSV data.
V2.2	Fix to prevent trigger initialization on RTM after Get-trace.
V1.90	Performance and memory improvements within the Report Generator.
V1.90	Performance improvements in Multi Transfer and File Transfer.
V1.90	Enabled display line in setup.

## 1.4 Known issues

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



since	Function
V1.50	Multiple USB Remote Displays are not working reliable

## 2 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:



Bild 2-1: QR code to the Rohde & Schwarz support page