

# History notes for R&S®SFE Broadcast Tester and R&S®SFE100 Test Transmitter Driver Documentation

- | R&S®SFE Broadcast Tester
- | R&S®SFE100 Test Transmitter

Driver History Notes for LabVIEW,  
LabWindows/CVI and VXPlug&Play  
drivers for VEE, C++, C#, Visual Basic,  
Visual Basic.NET etc.



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# 1. Driver history for LabVIEW

Driver history for LabVIEW		
Revision	Date	Note
1.20	07/2008	<p>Driver update for SFE Broadcast Tester firmware version 1.20</p> <p>- added VIs:</p> <ul style="list-style-type: none"> <li>rssfe Modulation Signal Info and Statistics.vi</li> <li>rssfe Modulation IQ Input Refresh.vi</li> <li>rssfe Configure DVBC Input Signal.vi</li> <li>rssfe Configure DVBC Test Signal.vi</li> <li>rssfe Read DVBC Packed Length.vi</li> <li>rssfe Read DVBC Values.vi</li> <li>rssfe Configure DVBC Coding.vi</li> <li>rssfe Enable DVBC Special Settings.vi</li> <li>rssfe Configure DVBC Special Reed Solomon.vi</li> <li>rssfe Configure DVBC Settings.vi</li> <li>rssfe Configure DVBS Input Signal.vi</li> <li>rssfe Configure DVBS Test Signal.vi</li> <li>rssfe Read DVBS Packed Length.vi</li> <li>rssfe Read DVBS Values.vi</li> <li>rssfe Configure DVBS Coding.vi</li> <li>rssfe Enable DVBS Special Settings.vi</li> <li>rssfe Configure DVBS Special Reed Solomon.vi</li> <li>rssfe Configure DVBS Settings.vi</li> <li>rssfe Configure 8VSB Input Signal.vi</li> <li>rssfe Configure 8VSB Test Signal.vi</li> <li>rssfe Read 8VSB Packed Length.vi</li> <li>rssfe Read 8VSB Values.vi</li> <li>rssfe Set 8VSB Symbol Rate.vi</li> <li>rssfe Read 8VSB Constellation.vi</li> <li>rssfe Read 8VSB Roll Off.vi</li> <li>rssfe Configure 8VSB Settings.vi</li> <li>rssfe Configure DTMB Channel Bandwidth.vi</li> </ul> <p>- modified VIs/attributes:</p> <ul style="list-style-type: none"> <li>rssfe Configure Modulation.vi, RSSFE_ATTR_MOD_DM_SPECTRUM - added *OPC</li> </ul>
1.10	03/2008	<p>Driver update for SFE Broadcast Tester firmware version 1.10</p> <p>Modifications:</p> <p>- added VIs:</p>

Driver history for LabVIEW		
Revision	Date	Note
		rssfe Configure ISDBT Input Signal.vi rssfe Configure ISDBT Test Signal.vi rssfe Read ISDBT Input Data Rate rssfe Read ISDBT Values.vi rssfe Configure ISDBT System.vi rssfe Configure ISDBT Layer Coding.vi rssfe Configure ISDBT Coding.vi rssfe Configure ISDBT Sub Channel.vi rssfe Configure ISDBT Segments.vi rssfe Read ISDBT Bandwidth.vi rssfe Enable ISDBT Special Settings.vi rssfe Configure ISDBT Special AC Data Settings.vi rssfe Enable ISDBT Special Alert Broadcast.vi rssfe Configure ISDBT Settings.vi rssfe Configure Analog TV Video Input Signal.vi rssfe Configure Analog TV Video.vi rssfe Configure Analog TV Video Level.vi rssfe Load Analog TV Video Library.vi rssfe Analog TV Video Library Catalog.vi rssfe Analog TV Video Library Catalog Length.vi rssfe Configure Analog TV Audio Input Signal.vi rssfe Configure Analog TV Audio.vi rssfe Configure Analog TV Audio AF.vi rssfe Read External Audio Input Level.vi rssfe Configure Analog TV NICAM Source.vi rssfe Configure Analog TV NICAM AF.vi rssfe Configure Analog TV NICAM.vi rssfe Configure Analog TV Video Vision Picture.vi rssfe Read Analog TV Values.vi rssfe Enable Analog TV Special Settings.vi rssfe Configure Analog TV Preemphasis.vi rssfe Configure Analog TV Pilot.vi rssfe Configure Analog TV Subcarrier Settings.vi rssfe Configure Analog TV Special Settings.vi rssfe Configure Analog TV Special Video and Carrier.vi rssfe Configure Analog TV Special VSB Characteristic.vi rssfe Set Analog TV Special AM Modulation Depth.vi rssfe Configure Analog TV Special NICAM.vi rssfe Configure Modulation ATV Transmission Standard.vi rssfe Read Analog TV External Input Level.vi - Removed VIs: rssfe Configure DTMBH Coding.vi

Driver history for LabVIEW		
Revision	Date	Note
		- Modified VIs: rssfe Configure DTMB Control.vi rssfe Configure DTMB Network Mode.vi rssfe Configure DTMB Coding.vi
1.02.1	11/2007	Modifications:  - Minor fixes in express VI
1.02	10/2007	Driver for SFE Broadcast Tester firmware version 1.02  Initial revision!

## 2 Driver history for LabWindows/CVI and VXIplug&play drivers for VEE, C++, C#, Visual Basic, Visual Basic.NET etc

History for LabWindows/CVI and VXIplug&play drivers for VEE, C++, C#, Visual Basic, Visual Basic.NET etc		
Revision	Date	Note
1.20	07/2008	<p>Driver update for SFE Broadcast Tester firmware version 1.10</p> <p>Modifications:</p> <p>- New functions:</p> <ul style="list-style-type: none"> <li>rssfe_readModulationSigInfoStat</li> <li>rssfe_confTxModIqInputRefreshgs</li> <li>rssfe_confDVBCInputSignal</li> <li>rssfe_confDVBCTestSignal</li> <li>rssfe_readDVBCPackedLength</li> <li>rssfe_readDVBCValues</li> <li>rssfe_confDVBCCoding</li> <li>rssfe_actEnableDVBCSpecial</li> <li>rssfe_confDVBCSpecialReedSolomon</li> <li>rssfe_confDVBCSettings</li> <li>rssfe_confDVBSInputSignal</li> <li>rssfe_confDVBSTestSignal</li> <li>rssfe_readDVBSPackedLength</li> <li>rssfe_readDVBSValues</li> <li>rssfe_confDVBSCoding</li> <li>rssfe_actEnableDVBSpecial</li> <li>rssfe_confDVBSpecialReedSolomon</li> <li>rssfe_confDVBSSettings</li> <li>rssfe_conf8VSBInputSignal</li> <li>rssfe_conf8VSBTestSignal</li> <li>rssfe_read8VSBPackedLength</li> <li>rssfe_read8VSBValues</li> <li>rssfe_set8VSBsymbolRate</li> <li>rssfe_read8VSBConstellation</li> <li>rssfe_read8VSBRollOff</li> <li>rssfe_conf8VSBSettings</li> </ul> <p>modified functions/attributes:</p> <ul style="list-style-type: none"> <li>rssfe_confTxModulation, RSSFE_ATTR_MOD_DM_SPECTRUM - added *OPC</li> </ul>

History for LabWindows/CVI and VXIplug&play drivers for VEE, C++, C#, Visual Basic, Visual Basic.NET etc		
Revision	Date	Note
1.10	03/2008	<p>Driver update for SFE Broadcast Tester firmware version 1.10</p> <p>Modifications:</p> <p>- New functions:</p> <ul style="list-style-type: none"> <li>rssfe_confISDBTInputSignal</li> <li>rssfe_confISDBTTestSignal</li> <li>rssfe_readISDBTInputDataRate</li> <li>rssfe_readISDBTValues</li> <li>rssfe_confISDBTSystem</li> <li>rssfe_confISDBTLayerCoding</li> <li>rssfe_confISDBTCoding</li> <li>rssfe_confISDBTSubChannel</li> <li>rssfe_confISDBTSegments</li> <li>rssfe_readISDBTBandwidth</li> <li>rssfe_actEnableISDBTSpecial</li> <li>rssfe_confISDBTSpecialAcDataSettings</li> <li>rssfe_EnableISDBTSpecialAlertBroadcast</li> <li>rssfe_confISDBTSettings</li> <li>rssfe_confAnalogTvVideoInputSignal</li> <li>rssfe_confAnalogTvVideo</li> <li>rssfe_confAnalogTvVideoLevel</li> <li>rssfe_loadAnalogTvVideoLibrary</li> <li>rssfe_analogTvVideoLibraryCatalog</li> <li>rssfe_analogTvVideoLibraryCatalogLength</li> <li>rssfe_confAnalogTvAudioInputSignal</li> <li>rssfe_configAnalogTvAudio</li> <li>rssfe_configAnalogTvAudioAf</li> <li>rssfe_readExternalAudioInputLevel</li> <li>rssfe_confAnalogTvNICAMSource</li> <li>rssfe_configAnalogTvNICAMaf</li> <li>rssfe_configAnalogTvNICAM</li> <li>rssfe_confAnalogTvVideoVisionPicture</li> <li>rssfe_readAnalogTvValues</li> <li>rssfe_actEnableAnalogTvSpecial</li> <li>rssfe_confAnalogTvPreemphasis</li> <li>rssfe_confAnalogTvPilot</li> <li>rssfe_confAnalogTvSubcarrierSettings</li> <li>rssfe_confAnalogTvSpecialSettings</li> <li>rssfe_confAnalogTvSpecialVideoCarrier</li> <li>rssfe_confAnalogTvSpecialVsbCharacteristic</li> <li>rssfe_setAnalogTvSpecialAmModulationDepth</li> </ul>



History for LabWindows/CVI and VXIplug&play drivers for VEE, C++, C#, Visual Basic, Visual Basic.NET etc		
Revision	Date	Note
		rssfe_setAnalogTvSpecialNICAM rssfe_confAtvTransStandard rssfe_readAnalogTvExternalInputLevel - Removed functions: rssfe_confDTMBHCoding - Modified functions: rssfe_confDTMBControl rssfe_confDTMBNetworkMode rssfe_confDTMBCoding
1.02.1	11/2007	Modifications: - New rsidr_core version
1.02	10/2007	Driver for SFE Broadcast Tester firmware version 1.02  Initial revision!

### **About Rohde & Schwarz**

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation, as well as secure communications. Established 75 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

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