

History and release notes for the Rohde & Schwarz Handheld Spectrum Analyzers FSH3, FSH6, FSH18

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FSH driver history		
Revision	Date	Note
1.8	01/2007	<p>Update for Firmware 11.20 Support for FSH3/FSH6 and FSH18</p> <p>- Added: RSFSH Configure Direction Transducer.vi RSFSH Get Display.vi RSFSH Get Electrical Cable Length.vi RSFSH Get Marker Impedance Reference.vi RSFSH Get Marker Measurement Mode.vi RSFSH Get X Transducer.vi RSFSH Get Y Transducer.vi RSFSH Get Z Transducer.vi RSFSH Read Complex Corrected Trace Data (ASCII).vi RSFSH Read Complex Corrected Trace Data.vi RSFSH Set Display.vi RSFSH Set Marker Impedance Reference.vi RSFSH Set Marker Measurement Mode.vi RSFSH Set X Transducer.vi RSFSH Set Y Transducer.vi RSFSH Set Z Transducer.vi</p> <p>- Modified: RSFSH Set Level Range.vi RSFSH Get Level Range.vi RSFSH Define Limit Line.vi RSFSH Set Tracking Generator Mode.vi RSFSH Get Tracking Generator Mode.vi RSFSH Read Trace Data.vi RSFSH Read Trace Data From Saved Data Set.vi</p>
1.7	03/2006	<p>Release for FSH firmware version 10.0</p> <p>Modifications: - Added functions: rsfsh_setTraceToMemory rsfsh_trackingGeneratorScalarTransmissionCalibration rsfsh_trackingGeneratorInitiateCalibration rsfsh_trackingGeneratorNextPhaseCalibration rsfsh_defineLimitLine</p>

FSH driver history

Revision	Date	Note
		rsfsh_deleteLimitLine rsfsh_limitLinesList rsfsh_getExternalReferenceStatus rsfsh_setTraceMathMode rsfsh_getTraceMathMode rsfsh_calibrateDistanceToFault rsfsh_set3GPPAntennaDiversio rsfsh_get3GPPAntennaDiversio rsfsh_set3GPPScramblingCode rsfsh_get3GPPScramblingCode rsfsh_get3GPPMeasurement rsfsh_get3GPPSynchronizationResult - Modified functions: rsfsh_setMeasurementMode rsfsh_getMeasurementMode
1.6	08/2005	Modifications: - Added functions: rsfsh_setAccessory rsfsh_getAccessory - Modified functions: rsfsh_setMeasurementMode rsfsh_getMeasurementMode
1.5	02/2005	- Release for FSH firmware version 8.0 Modifications: - Added carrier / noise subsystem - Modified functions: setSerialBaudRate getSerialBaudRate setLevelUnits getLevelUnits setResolutionBandwidth getResolutionBandwidth setSweepTime setMarkerState getMarkerState setMarkerPosition getMarkerValue setDeltamarkerState getDeltamarkerState setDeltamarkerPosition getDeltamarkerValue setMarkerTo setMarkerMode getMarkerMode setMeasurementMode getMeasurementMode - Added functions: setExternalInputConnector getExternalInputConnector setAutoSpanMode getAutoSpanMode setDynamicRange getDynamicRange getAutoSweepTime setTriggerLevel

FSH driver history

Revision	Date	Note
		getTriggerLevel setTraceAverage getTraceAverage readTraceDataFromSavedDataSet readTraceDataFromSavedDataSet (ASCII) setActiveMarker getActiveMarker setActiveDeltaMarker getActiveDeltaMarker setMarkerDemodulationMode getMarkerDemodulationMode setMarkerDemodulationTime setMarkerDemodulationAFOutputVolume getMarkerList getDeltaMarkerList setTrackingGeneratorLevelAttenuation getTrackingGeneratorLevelAttenuation getReflection setReflectionUnit getReflectionUnit setPowerSensorStandard getPowerSensorStandard setChannelPowerCustomizedStandard getChannelPowerCustomizedStandard setOccupiedBandwidthCustomizedStandard getOccupiedBandwidthCustomizedStandard setTDMAPowerCustomizedStandard getTDMAPowerCustomizedStandard
1.4	09/2004	Modifications: - Added receiver subsystem - Modified functions: rsfsh_setMeasurementMode rsfsh_getMeasurementMode rsfsh_setTraceDetector rsfsh_getTraceDetector - Added functions: rsfsh_setLowerThresholdLine rsfsh_getLowerThresholdLine rsfsh_setUpperThresholdLine rsfsh_getUpperThresholdLine rsfsh_setThresholdOff
1.3	04/2004	Modifications: - Added support for FSH6 (max frequency range up to 6 GHz) - Problem with precision of values fixed (loss of digits) Formatting functions uses for double values "%Lf" Scanning functions uses for double values "%Le"
1.2	01/2004	Release for FSH3 firmware version 6.0 Modifications: Added VIs Get Measured Cable Loss.vi Set Tracking Generator Mode.vi Get Tracking Generator Mode.vi Modified VIs: Set Level Range.vi Set Resolution Bandwidth.vi Set Frequency Offset.vi

FSH driver history

Revision	Date	Note
1.1	11/2003	Release for FSH3 firmware version 5.0 Modifications: Set Auto Resolution Bandwidth.vi Get Auto Resolution Bandwidth.vi Set Auto Video Bandwidth.vi Get Auto Video Bandwidth.vi Read Complex Trace Data.vi Read Complex Trace Data (ASCII).vi
1.0	06/2003	Created

Getting Started

Interface Configuration of the FSH

To set up the connection successfully, the interface parameters of the instrument and the computer must correspond to each other. The interface is set as follows:

Parity: none

Data bits: 8

Stop bits: 1

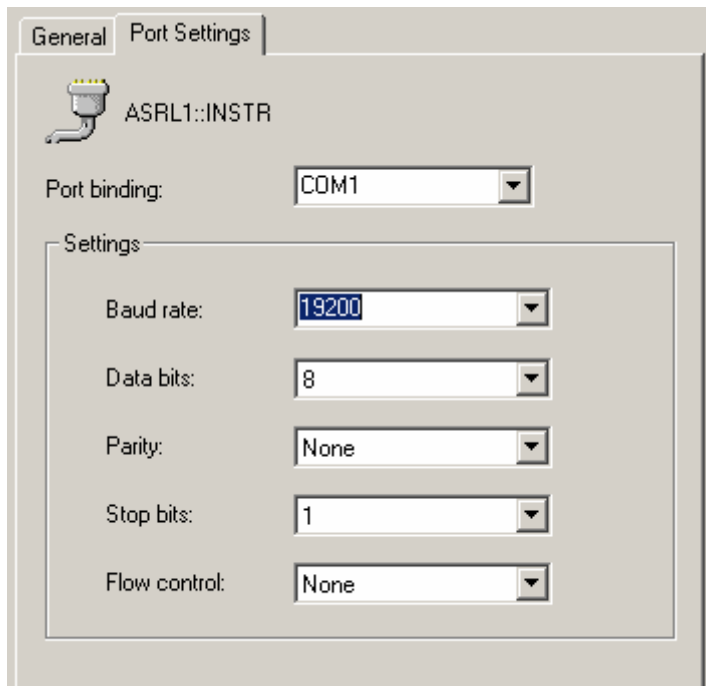
Start bits: 1

Protocol: None

The above settings are fixed except for the baud rate. The default baud rate setting is 19200 baud.

NI VISA

Use the National Instruments Measurement & Automation Explorer to set the parameters.

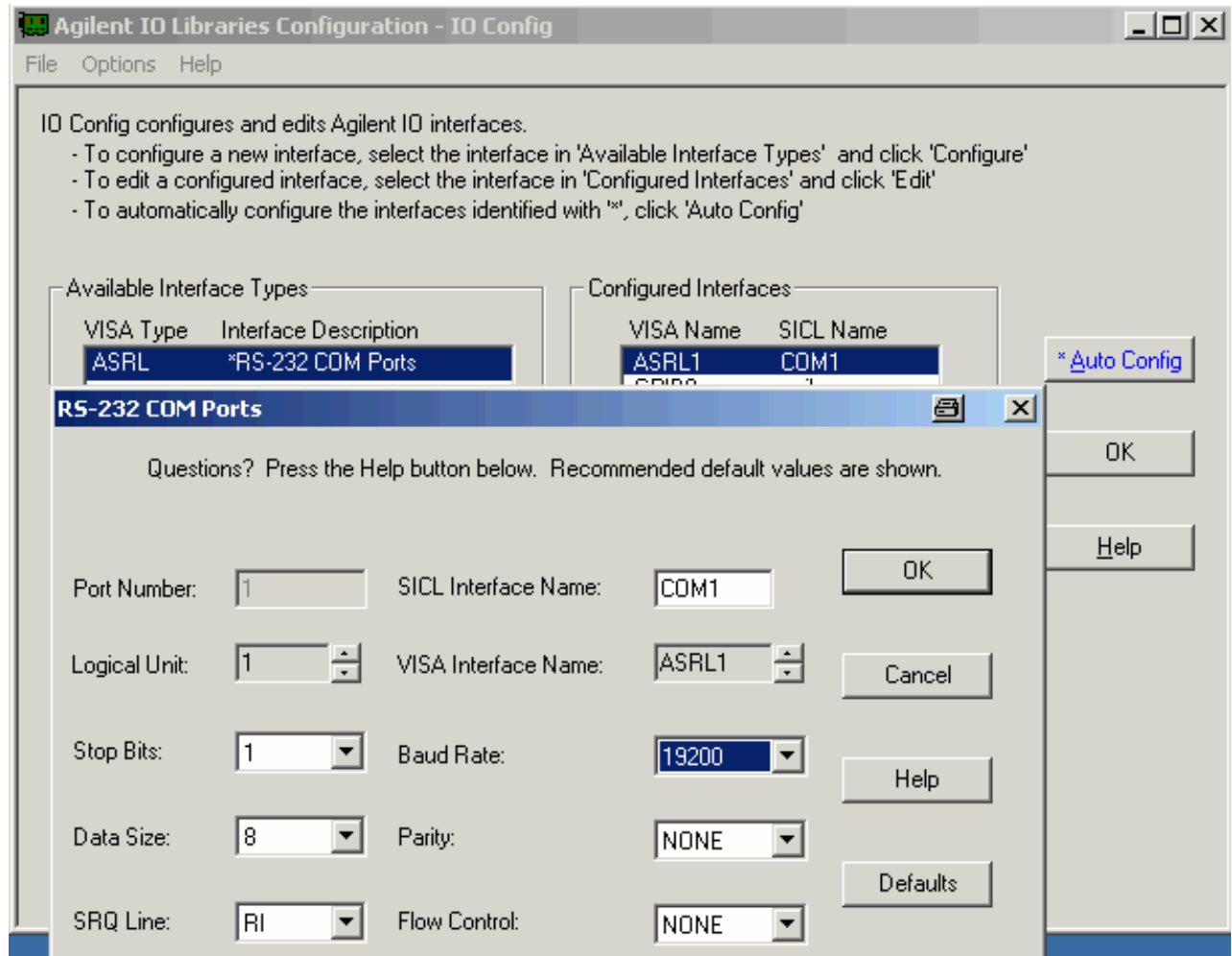


It is also possible to set the values with the viSetAttribute function.

Agilent VISA

The IO Library M01.01 or higher is required.

Use the IO library to set the parameters.



It is also possible to set the values with the viSetAttribute function.

Additional Help for LabVIEW drivers

In addition, the instrument driver documentation is included in compressed HTML format (Windows CHM help file) stored together with the LabVIEW driver sources.

Each VI's help is linked to the section in the "CHM" file that describes all the features of the VI.

- **LabVIEW 6.1 and higher** an additional help topic can be accessed directly by pressing "[Click here for more help](#)" in the Context Help
- **LabVIEW 6.0** an additional help topic can also be accessed by pressing "[Click here for more help](#)" in the Context Help which opens the additional help start page.