

# LabWindows/CVI, VXIplug driver history for the R&S® BTC Broadcast Test Center

## Products:

| R&S® BTC



Driver history for LabWindows/CVI and  
VXIplug&play Instrument Driver for  
C/C++, VEE, etc.

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# 1 Supported Instrument

In the following table, the supported R&S instruments and firmware versions are listed:

<b>Which instruments are supported?</b>		
<b>Current revision of instrument driver supports these instruments and firmware versions:</b>		
<b>Instrument</b>	<b>Supported Firmware</b>	<b>Remarks</b>
BTC	2.32	

## 2 LabWindows/CVI and VXIplug&play History

rsbtc Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
2.32.0	06/2018	<p>* New:</p> <p>ATSC 3.0 standard</p> <p>rsbtc_ConfigureBERTresholdClkDataEn</p> <p>rsbtc_ConfigureFadingExternalRFRremoteConnection</p> <p>rsbtc_ConfigureFadingExternalRFCoupling</p> <p>rsbtc_ConfigureFadingExternalRFParameters</p> <p>rsbtc_ReadFadingExternalRFConnectionState</p> <p>rsbtc_ConfigureDVBS2SpecialPLScramblingState</p> <p>* Modified:</p> <p>rsbtc_ConfigureDTVTransmissionStandard</p> <p>rsbtc_ConfigureDVBCInputSignal</p> <p>rsbtc_ConfigureDVBS2SpecialPLScrambling</p> <p>rsbtc_ConfigureInterferer</p> <p>rsbtc_ConfigureBERDataInputInterface</p>
1.70.1	12/2015	<p>* Modified:</p> <p>RSBTC_ATTR_DVBS2_CODING_MODULATION_CODING</p> <p>rsbtc_ConfigureDVBS2TimeSliceCoding - Modulation Coding - added modulation coding settings for DVB-S2-X</p>
1.70.0	07/2015	<p>* New:</p> <p>rsbtc_ConfigureDVBS2CIDSignal</p> <p>RSBTC_ATTR_DVBS_CID_ENABLED</p> <p>RSBTC_ATTR_DVBS_CID_HOST_SIGNAL</p> <p>RSBTC_ATTR_DVBS_CID_FREQUENCY_OFFSET</p> <p>rsbtc_ConfigureDVBS2CIDCoordinates</p> <p>RSBTC_ATTR_DVBS_CID_CONTENT_LATITUDE_LONGITUDE_ENABLED</p> <p>RSBTC_ATTR_DVBS_CID_CONTENT_LATITUDE</p> <p>RSBTC_ATTR_DVBS_CID_CONTENT_LONGITUDE</p> <p>rsbtc_ConfigureDVBS2CIDTelephone</p> <p>RSBTC_ATTR_DVBS_CID_CONTENT_TELEPHONE_ENABLED</p> <p>RSBTC_ATTR_DVBS_CID_CONTENT_TELEPHONE_NUMBER</p> <p>RSBTC_ATTR_DVBS_CID_CONTENT_TELEPHONE_EXTENSION_ENABLED</p> <p>RSBTC_ATTR_DVBS_CID_CONTENT_TELEPHONE_EXTENSION_NUMBER</p> <p>rsbtc_EnableDVBS2PhaseNoise</p> <p>RSBTC_ATTR_DVBS2_PHASE_NOISE_ENABLED</p>

rsbtc Instrument Driver		
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Revision	Date	Note
		rsbtc_ConfigureDVBSPhaseNoise RSBTC_ATTR_DVBS_PHASE_NOISE_CW_MODE RSBTC_ATTR_DVBS_PHASE_NOISE_MAGNITUDE RSBTC_ATTR_DVBS_PHASE_NOISE_SHAPE rsbtc_ConfigureDVBS2CIDSsignal RSBTC_ATTR_DVBS2_CID_ENABLED RSBTC_ATTR_DVBS2_CID_HOST_SIGNAL RSBTC_ATTR_DVBS2_CID_FREQUENCY_OFFSET rsbtc_ConfigureDVBS2CIDCoordinates RSBTC_ATTR_DVBS2_CID_CONTENT_LATITUDE_LONGITUDE_ENABLED RSBTC_ATTR_DVBS2_CID_CONTENT_LATITUDE RSBTC_ATTR_DVBS2_CID_CONTENT_LONGITUDE rsbtc_ConfigureDVBS2CIDTelephone RSBTC_ATTR_DVBS2_CID_CONTENT_TELEPHONE_ENABLED RSBTC_ATTR_DVBS2_CID_CONTENT_TELEPHONE_NUMBER RSBTC_ATTR_DVBS2_CID_CONTENT_TELEPHONE_EXTENSION_ENABLED RSBTC_ATTR_DVBS2_CID_CONTENT_TELEPHONE_EXTENSION_NUMBER rsbtc_EnableDVBS2PhaseNoise RSBTC_ATTR_DVBS2_PHASE_NOISE_ENABLED rsbtc_ConfigureDVBS2PhaseNoise RSBTC_ATTR_DVBS2_PHASE_NOISE_CW_MODE RSBTC_ATTR_DVBS2_PHASE_NOISE_MAGNITUDE RSBTC_ATTR_DVBS2_PHASE_NOISE_SHAPE rsbtc_ConfigureDTMBControl RSBTC_ATTR_DTMB_CODING_CONTROL rsbtc_ConfigureDTMBSFN RSBTC_ATTR_DTMB_SFN_SIP_RESTAMPING RSBTC_ATTR_DTMB_SFN_MUTE_1ST_SIGNAL_FRAME RSBTC_ATTR_DTMB_SFN_1PPS_ROUTING RSBTC_ATTR_DTMB_SFN_DELAY_OFFSET rsbtc_ConfigureDTMBSFNDelay RSBTC_ATTR_DTMB_SFN_MAX_DEVIATION_TIME RSBTC_ATTR_DTMB_SFN_STATIC_DELAY rsbtc_ReadDTMBSFNDelay RSBTC_ATTR_DTMB_SFN_NETWORK_DELAY RSBTC_ATTR_DTMB_SFN_PROCESSING_DELAY RSBTC_ATTR_DTMB_SFN_DYNAMIC_DELAY RSBTC_ATTR_DTMB_SFN_TOTAL_DELAY RSBTC_ATTR_DTMB_SFN_MAX_DEVIATION_TIME RSBTC_ATTR_DTMB_SFN_STATIC_DELAY

rsbtc Instrument Driver		
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Revision	Date	Note
		RSBTC_ATTR_READ_DTMB_CODING_LOCAL_MAXIMUM_DELAY RSBTC_ATTR_DTMB_SFN_DISPATCH_TIME rsbtc_EnableDIRECTVPhaseNoise RSBTC_ATTR_DIRECTV_PHASE_NOISE rsbtc_ConfigureDIRECTVPhaseNoise RSBTC_ATTR_DIRECTV_PHASE_NOISE_CW_MODE RSBTC_ATTR_DIRECTV_PHASE_NOISE_MAGNITUDE RSBTC_ATTR_DIRECTV_PHASE_NOISE_SHAPE rsbtc_ARBWaveformPoints RSBTC_ATTR_ARBITRARY_WAVEFORM_GENERATION_POINTS rsbtc_ConfigureIQDigitalOutState RSBTC_ATTR_BASEBAND_DIGITAL_IQ_OUTPUT_ENABLED rsbtc_ConfigureIQDigitalOutIQSwap RSBTC_ATTR_BASEBAND_DIGITAL_IQ_OUTPUT_IQ_SWAP rsbtc_ConfigureIQDigitalOutLevel RSBTC_ATTR_BASEBAND_DIGITAL_IQ_OUTPUT_SET_LEVEL_VIA RSBTC_ATTR_BASEBAND_DIGITAL_IQ_OUTPUT_PEAK_LEVEL RSBTC_ATTR_BASEBAND_DIGITAL_IQ_OUTPUT_LEVEL rsbtc_ConfigureIQDigitalOutSampleRate RSBTC_ATTR_BASEBAND_DIGITAL_IQ_OUTPUT_SAMPLE_RATE_SOURCE RSBTC_ATTR_BASEBAND_DIGITAL_IQ_OUTPUT_SAMPLE_RATE rsbtc_ConfigureFadingMIMORelativeTapGainVectorSetToUnity RSBTC_ATTR_FADING_MIMO_RELATIVE_TAP_VECTOR_SET_TO_UNITY rsbtc_ConfigurePlayFileReset RSBTC_ATTR_MM_GENERATOR_PLAY_WINDOW_RESET rsbtc_ConfigureMMGGatewayMode RSBTC_ATTR_MMG_GATEWAY_MODE rsbtc_GetMMGGatewayStatusInfo RSBTC_ATTR_MMG_GATEWAY_STATUS_INFO rsbtc_ConfigureMMGGatewayDVBT2MIInput RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_USE_CASE RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_PROFILES RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_PLP_GROUPS RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_PLP RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_VV_STREAM_GENERATION rsbtc_ConfigureMMGGatewayDVBT2MIPLPGroup RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_PLP_GROUP_ID RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_MAP_TO_PROFILE RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_INPUT_TYPE rsbtc_ConfigureMMGGatewayDVBT2MIPLPGroupInput

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		RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_INPUT_SELECT rsbtc_ConfigureMMGGatewayDVBT2MIPLPGroupPRBS RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_GENERATOR_DATA_RATE RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_COMMON_SLOT_INTERVAL RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_NUM_CHAPTERS RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_NUM_EIT_PACKETS RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_TS_OVER_PLP_ID RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_TS_OVER_CPLP RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_PRBS_ID rsbtc_ConfigureMMGGatewayDVBT2MIPLPGroupPRBSNumRep rsbtc_ConfigureMMGGatewayDVBT2MIPLP RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_PLP_ID RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_PLP_TYPE rsbtc_ConfigureMMGGatewayDVBT2MIPLPMapToGroup RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_MAP_TO_GROUP rsbtc_ConfigureMMGGatewayDVBT2MIPLPData RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_PLP_DATA RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_NEW_TS_ID rsbtc_ConfigureMMGGatewayDVBT2MIPLPRunLength rsbtc_ConfigureMMGGatewayDVBT2MIModeStreamPLP RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_MODE_STREAM_BB_MODE RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_MODE_STREAM_NULL_PACKET_DELETION RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_MODE_STREAM_AUTO_ISSY rsbtc_ConfigureMMGGatewayDVBT2MIModeStreamPLPISSY RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_MODE_STREAM_ISSY RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_MODE_STREAM_MAX_BUFFER_SIZE RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_MODE_STREAM_BUFFER_SIZE_UNIT RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_MODE_STREAM_DESIGN_DELAY rsbtc_ConfigureMMGGatewayDVBT2MIModeStreamPLPInBandSign RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_MODE_STREAM_INBAND_SIGNALLING RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_MODE_STREAM_INBAND_SIGNALLING_A RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_MODE_STREAM_INBAND_SIGNALLING_B rsbtc_ConfigureMMGGatewayDVBT2MIBICMParameters RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_BICM_FEC_FRAME RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_BICM_CODE_RATE RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_BICM_CONSTELLATION RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_BICM_CONSTELLATION_ROTATION rsbtc_ConfigureMMGGatewayDVBT2MIBICMTimeInterleaverParameters RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_BICM_TIME_INTERLEAVER_TYPE RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_BICM_FRAME_INTERVAL

rsbtc Instrument Driver		
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Revision	Date	Note
		RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_BICM_TIME_INTERLEAVER_LENGTH RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_BICM_FIRST_FRAME_INDEX rsbtc_ConfigureMMGGatewayDVBT2MIBICMMaxBlocks RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_BICM_AUTO_NUM_BLOCKS_MAX RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_BICM_NUM_BLOCKS_MAX rsbtc_ConfigureMMGGatewayDVBT2MIFramingOFDMParameters RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_FRAMING_CHANNEL_BANDWIDTH RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_FRAMING_FFT_SIZE RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_FRAMING_GUARD_INTERVAL RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_FRAMING_PILOT_PATTERN rsbtc_ConfigureMMGGatewayDVBT2MIFramingOFDM RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_FRAMING_T2_FRAMES_PER_SUPER_FRAME RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_FRAMING_DATA_SYMBOLS_PER_T2_FRAME RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_FRAMING_SUBSLICES_PER_T2_FRAME rsbtc_ConfigureMMGGatewayDVBT2MITransmissionSystem RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_SCHEDULING RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_TRANSMISSION_SYSTEM  RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_PEAK_TO_AVERAGE_POWER_RATIO RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_FUTURE_EXTENSION_FRAMES RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_TIME_FREQUENCY_SLICING rsbtc_ConfigureMMGGatewayDVBT2MITransmissionSystemIdentification RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_NETWORK_ID RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_CELL_ID RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_ID rsbtc_ConfigureMMGGatewayDVBT2MITransmissionFutureExtensionFrames RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_FEF_LENGTH RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_FEF_TYPE RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_FEF_INTERVAL rsbtc_ConfigureMMGDVBT2MITransmissionL1Parameters RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_L1_T2_VERSION RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_L1_POST_MODULATION RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_L1_REPETITION RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_L1_POST_EXTENSION RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_L1_POST_SCRAMBLED RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_L1_BIAS_BALANCING_BITS RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_T2_BASE_LITE RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_T2_SYSTEM_L1_RF_FREQUENCY rsbtc_ConfigureMMGGatewayDVBT2MIOutputParameters RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_OUTPUT_T2_TIMESTAMP_MODE RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_OUTPUT_TIME_OFFSET



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Revision	Date	Note
		rsbtc_ConfigureMMGGatewayDVBT2MIOutputProfile RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_OUTPUT_T2_MI_PID RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_OUTPUT_T2_MI_SID RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_OUTPUT_T2_MI_TS_TYPE RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_OUTPUT_T2_MI_PMT_PID RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_OUTPUT_T2_MI_DATA_RATE rsbtc_ConfigureMMGGatewayDVBT2MIOutputRestart RSBTC_ATTR_MMG_GATEWAY_DVBT2MI_OUTPUT_RESTART * Modified rsbtc_ConfigureISDBTSpecialSettings - add "Unused" option in "AC data" controls
1.70 beta	07/2015	* New: rsbtc_ConfigureSignalPolarity RSBTC_ATTR_BASEBAND_SIGNAL_POLARITY rsbtc_ConfigureDVBS2SpecialPLScrambling RSBTC_ATTR_DVBS2_SPECIAL_PL_SCRAMBLING_SEQUENCE_ID RSBTC_ATTR_DVBS2_SPECIAL_PL_GOLD_CODE_INDEX rsbtc_ConfigureDVBS2S2X RSBTC_ATTR_DVBS2_CODING_S2_X RSBTC_ATTR_DVBS2_CODING_S2_X_SUPER_FRAME RSBTC_ATTR_DVBS2_CODING_S2_X_CHANNEL_BONDING
1.62.0	02/2015	* For firmware version 1.62 * New rsbtc_ConfigureDistortionLimiter rsbtc_ConfigureLevelWithUnits rsbtc_ConfigureISDBTEEWSystem rsbtc_ConfigureISDBTEEWParameters rsbtc_ConfigureFadingMIMOCorrelationMatrixTable rsbtc_ConfigureFadingMIMORelativeTapGainVectorTable rsbtc_LoadAnalogTVBTSCLibrary rsbtc_AnalogTVBTSCLibraryCatalog rsbtc_AnalogTVBTSCLibraryCatalogLength RSBTC_ATTR_IP_INPUT RSBTC_ATTR_IP_INPUT_ALIAS RSBTC_ATTR_IP_INPUT_TYPE RSBTC_ATTR_IP_INPUT_MULTICAST_ADDRESS RSBTC_ATTR_IP_INPUT_PORT RSBTC_ATTR_IP_INPUT_IGMPV3_SOURCE_ADDRESS RSBTC_ATTR_IP_INPUT_PING_SOURCE_ADDRESS RSBTC_ATTR_DVBT_SFN_1PPS_ROUTING RSBTC_ATTR_DVBT_SFN_OFFSET

rsbtc Instrument Driver		
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Revision	Date	Note
		RSBTC_ATTR_DVBC2_MODE_STREAM_ADAPTATION_PLP_BUNDLING RSBTC_ATTR_ISDBT_SFN_1PPS_ROUTING RSBTC_ATTR_ISDBT_SFN_OFFSET RSBTC_ATTR_ISDBT_EEW_STATE RSBTC_ATTR_ISDBT_EEW_SIGNAL_TYPE RSBTC_ATTR_ISDBT_EEW_AREA_INFORMATION RSBTC_ATTR_ISDBT_EEW_APPLY RSBTC_ATTR_ISDBT_EEW_NUMBER_OF_EPICENTERS RSBTC_ATTR_ISDBT_EEW_EPICENTER_INFORMATION_TYPE RSBTC_ATTR_ISDBT_EEW_EPICENTER_WARNING_ID RSBTC_ATTR_ISDBT_EEW_EPICENTER_LATITUDE RSBTC_ATTR_ISDBT_EEW_EPICENTER_LONGITUDE RSBTC_ATTR_ISDBT_EEW_EPICENTER_DEPTH RSBTC_ATTR_ISDBT_EEW_EPICENTER_OCCURRENCE_TIME RSBTC_ATTR_ISDBT_EEW_EPICENTER_APPLY RSBTC_ATTR_DVBS2_CODING_S2_X RSBTC_ATTR_DVBS2_CODING_S2_X_SUPER_FRAME RSBTC_ATTR_DVBS2_CODING_S2_X_CHANNEL_BONDING RSBTC_ATTR_READ_CMMB_MEASURED_REQUIRED_DATA_RATE RSBTC_ATTR_READ_CMMB_STREAM_FORMAT RSBTC_ATTR_TDMB_SFN_NETWORK_COMPENSATION RSBTC_ATTR_TDMB_SFN_TX_COMPENSATION_DELAY RSBTC_ATTR_TDMB_SFN_TX_PROCESSING_DELAY RSBTC_ATTR_TDMB_SFN_TX_DELAY RSBTC_ATTR_TDMB_SFN_STATIC_DELAY RSBTC_ATTR_TDMB_SFN_TOTAL_DELAY RSBTC_ATTR_TDMB_SFN_MAX_DEVIATION_TIME RSBTC_ATTR_TDMB_SFN_1PPS_ROUTING RSBTC_ATTR_ANALOG_TV_BTSC_LOAD_FILE RSBTC_ATTR_RX_DISTORTION_NONLINEARITY RSBTC_ATTR_TX_DISTORTION RSBTC_ATTR_RX_DISTORTION RSBTC_ATTR_RX_DISTORTION_NONLINEARITY_PHASE RSBTC_ATTR_RX_DISTORTION_NONLINEARITY_GAIN RSBTC_ATTR_FADING_STANDARD_DELAY_FREQUENCY_SHIFT RSBTC_ATTR_FADING_STANDARD_DELAY_FREQUENCY_SPREAD RSBTC_ATTR_FADING_MIMO_MATRIX_VALUE_COLUMN_MAGNITUDE RSBTC_ATTR_FADING_MIMO_MATRIX_VALUE_COLUMN_PHASE RSBTC_ATTR_FADING_MIMO_MATRIX_VALUE_CONFLICT_COLUMN RSBTC_ATTR_FADING_MIMO_MATRIX_ACCEPT

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		RSBTC_ATTR_FADING_MIMO_RELATIVE_TAP_VECTOR_GAIN RSBTC_ATTR_FADING_MIMO_RELATIVE_TAP_VECTOR_PHASE RSBTC_ATTR_RF_SIGNAL_LEVEL_DIGITAL_ATTENUATION RSBTC_ATTR_MM_GENERATOR_IP_INPUT RSBTC_ATTR_MM_GENERATOR_IP_INPUT_ALIAS RSBTC_ATTR_MM_GENERATOR_IP_INPUT_TYPE RSBTC_ATTR_MM_GENERATOR_IP_INPUT_MULTICAST_ADDRESS RSBTC_ATTR_MM_GENERATOR_IP_INPUT_PORT RSBTC_ATTR_MM_GENERATOR_IP_INPUT_IGMPV3_SOURCE_ADDRESS RSBTC_ATTR_MM_GENERATOR_IP_INPUT_PING_SOURCE_ADDRESS RSBTC_ATTR_SYSTEM_REBOOT RSBTC_ATTR_SYSTEM_RESTART RSBTC_ATTR_SYSTEM_SHUTDOWN RSBTC_ATTR_BER_IP_INPUT RSBTC_ATTR_BER_IP_INPUT_ALIAS RSBTC_ATTR_BER_IP_INPUT_TYPE RSBTC_ATTR_BER_IP_INPUT_MULTICAST_ADDRESS RSBTC_ATTR_BER_IP_INPUT_PORT RSBTC_ATTR_BER_IP_INPUT_IGMPV3_SOURCE_ADDRESS RSBTC_ATTR_BER_IP_INPUT_PING_SOURCE_ADDRESS RSBTC_ATTR_MM_GENERATOR_TRANSPORT_STREAM_REMUX RSBTC_ATTR_MM_GENERATOR_TRANSPORT_STREAM_PLAYER_TYPE RSBTC_ATTR_MM_GENERATOR_TRANSPORT_STREAM_PLAYER_INPUT_STATE RSBTC_ATTR_MM_GENERATOR_OUTPUT_CONFIG_DATA_RATE * Modified rsbtc_ConfigureSignalType rsbtc_ReadDVBT2SFNTimestampParameters rsbtc_ReadCMMBInputSignalDataRate rsbtc_ConfigureAnalogTvSoundModulation rsbtc_ConfigureIQDigitalInputLevel rsbtc_ConfigureInterferer rsbtc_DistortionFileOperations rsbtc_ConfigureFadingStandardSet rsbtc_ConfigureFadingPathProfileTableNumeric rsbtc_ConfigureIQDigitalOutput RSBTC_ATTR_ARBITRARY_WAVEFORM_GENERATION_SAMPLES - changed data type to DBL RSBTC_ATTR_RF_SIGNAL_IQ_DIGITAL_OUTPUT_CONNECTED_DEVICE - changed command RSBTC_ATTR_RF_SIGNAL_LEVEL_UNIT RSBTC_ATTR_AUDIO_BC_FM_AUDIO_PLAYER_ATTENUATION_1 - fixed range RSBTC_ATTR_AUDIO_BC_FM_AUDIO_PLAYER_ATTENUATION_2

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		RSBTC_ATTR_AUDIO_BC_AM_AUDIO_PLAYER_ATTENUATION RSBTC_ATTR_RF_SIGNAL_MODULATION_WIDEBAND_IQ_GAIN - changed command RSBTC_ATTR_FADING_GENERAL_SIGNAL_DEDICATED_TO * Deleted rsbtc_ConfigureDistortionNonlinearityPhaseTable rsbtc_ConfigureDistortionFrequencyResponsePhaseTable rsbtc_ConfigureLevelStep rsbtc_ConfigureFrequencyStep RSBTC_ATTR_DVBT_SPECIAL_MODULATION_DATA_CARRIER RSBTC_ATTR_DVBT_SPECIAL_MODULATION_PILOT_CARRIER RSBTC_ATTR_DVBT_SPECIAL_MODULATION_TPS_CARRIER RSBTC_ATTR_DVBT_SPECIAL_DATA_CARRIER RSBTC_ATTR_DVBT_SPECIAL_PILOT_CARRIER RSBTC_ATTR_DVBT_SPECIAL_TPS_CARRIER RSBTC_ATTR_DVBT_SPECIAL_ALL_CARRIERS_EQUAL_CW RSBTC_ATTR_READ_CMMB_MAX_USEFUL_DATA_RATE RSBTC_ATTR_TX_ADJUST_IQ_MODULATOR RSBTC_ATTR_DTMB_SFN_DELAY_ADJUST RSBTC_ATTR_DTMB_SFN_DISTRIBUTION_DELAY RSBTC_ATTR_READ_DTMB_CODING_LOCAL_DELAY RSBTC_ATTR_DTMB_SFN_RF_DELAY RSBTC_ATTR_DTMB_SFN_FREQUENCY_OFFSET RSBTC_ATTR_DTMB_SFN_TX_POWER RSBTC_ATTR_DTMB_SFN_TX_ADDRESS RSBTC_ATTR_DVBS2_CODING_CODE_RATE RSBTC_ATTR_DVBS2_CODING_CONSTELLATION RSBTC_ATTR_AUDIO_BC_DIGITAL_IQ_INPUT_STATE RSBTC_ATTR_RF_SIGNAL_LEVEL_STEP_INCREMENT RSBTC_ATTR_RF_SIGNAL_LEVEL_STEP_STATE RSBTC_ATTR_FADING_PARAMETER_SET RSBTC_ATTR_FADING_USER_INSERT_LOSS
1.50.0	02/2014	* For firmware version 1.50 - Initial version

### **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 more than 75 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

### **Environmental commitment**

- Energy-efficient products
- Continuous improvement in environmental sustainability
- ISO 14001-certified environmental management system



### **Regional contact**

Europe, Africa, Middle East

+49 89 4129 12345

[customersupport@rohde-schwarz.com](mailto:customersupport@rohde-schwarz.com)

North America

1-888-TEST-RSA (1-888-837-8772)

[customer.support@rsa.rohde-schwarz.com](mailto:customer.support@rsa.rohde-schwarz.com)

Latin America

+1-410-910-7988

[customersupport.la@rohde-schwarz.com](mailto:customersupport.la@rohde-schwarz.com)

Asia/Pacific

+65 65 13 04 88

[customersupport.asia@rohde-schwarz.com](mailto:customersupport.asia@rohde-schwarz.com)

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**Rohde & Schwarz GmbH & Co. KG**

Mühlendorfstraße 15 | D - 81671 München

Phone + 49 89 4129 - 0 | Fax + 49 89 4129 - 13777

[www.rohde-schwarz.com](http://www.rohde-schwarz.com)