

Driver history for the R&S[®] NRP-Z Power Sensors

Contents

Contents	1
NRP-Z driver history	1

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Revision	Date	Note
1.73	05/2008	Please use NRP-Toolkit 1.7.3 - fixed memory leak in NrpDataAvailableCallback for aux channels - added (char*) type casts to get rid of gcc -Wwrite-string warnings: 'deprecated conversion from string constant...'
1.71	03/2008	Please use NRP-Toolkit 1.7.0 - thread-safe initialization and fixed some LINUX compiler warnings
1.70	03/2008	- fixed deadlock situation in error handling
1.69	03/2008	- fixed compilation under LINUX (stricmp() was missing)
1.68	03/2008	- cleared LabWindows/CVI compiler/linker warnings
1.67	02/2008	Please use NRP-Toolkit 1.6.0 or later Modifications: - fixed compilation problem with #included "visa.h"
1.66	01/2008	Please use NRP-Toolkit 1.6.0 Modifications: - integrated latest version of NrpControl2.dll NRP-Toolkit 1.6.0
1.65	01/2008	Modifications: - added SYST:INFO item 'FPGA Build', and made item check case insensitive
1.64.1	12/2007	Modifications: - fixed installer of VXI Plug&Play driver - added fixed LIB files. Please note that revision of DLL and driver remains 1.64.
1.64	11/2007	Modifications: - added conditional defines for LINUX compilation HINT: There is currently no notification mechanism for service requests (SRQ) under LINUX ! - added rsnrpz_GetSensorCount() and rsnrpz_GetSensorInfo() - fixed rsnrpz_chan[s]_isMeasurementComplete checks in Statistics modes
1.63	08/2007	Modifications: - added rsnrpz_GetAvailableSensors() to retrieve a list of all actually connected sensors
1.62	07/2007	Modifications: - fixed usage of the same event-handles for both read and write operations due to Rev 1.60 changes (rsnrpz_meass_readMeasurement())

NRP-Z driver history

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		did not work any more)
1.61	06/2007	Modifications: - fixed CriticalSection issue
1.60	06/2007	Modifications: - fixed usage of more than one session at a time. In that case the rsnrpz_close() unloaded/closed the NrpControl driver as soon as the first session was closed. This was wrong! NrpCloseDriver() is only allowed to be called after the LAST session was closed!
1.51	05/2007	Modifications: - New functions: rsnrpz_trigger_setMasterState rsnrpz_trigger_getMasterState rsnrpz_trigger_setSyncState rsnrpz_trigger_getSyncState
1.50.	02/2007	Modifications: - enhanced version of rsnrpz_init(); now queries the registry to find out whether a long distance connection should be established (for 'AnywhereUSB' remote hub)
1.40	10/2006	Modifications: - New functions: rsnrpz_get_timeout rsnrpz_set_timeout Fixes a timeout-terminated hang in USB Write Functions on Windows XP Embedded
1.31	08/2006	Modifications: - New functions: rsnrpz_bandwidth_setBw rsnrpz_bandwidth_getBw rsnrpz_bandwidth_getBwList rsnrpz_chan_setBurstChopperEnabled rsnrpz_chan_getBurstChopperEnabled Timegates subsystem rsnrpz_tslot_setTimeSlotMidOffset rsnrpz_tslot_getTimeSlotMidOffset rsnrpz_tslot_setTimeSlotMidLength rsnrpz_tslot_getTimeSlotMidLength rsnrpz_tslot_setTimeSlotChopperEnabled rsnrpz_tslot_getTimeSlotChopperEnabled rsnrpz_trigger_setDropoutTime rsnrpz_trigger_getDropoutTime rsnrpz_chan_setAuxiliary rsnrpz_chan_getAuxiliary rsnrpz_meass_readMeasurementAux rsnrpz_meass_fetchMeasurementAux rsnrpz_meass_readBufferMeasurementAux rsnrpz_meass_fetchBufferMeasurementAux rsnrpz_stat_confTimegate rsnrpz_stat_confScale rsnrpz_stat_setOffsetTime rsnrpz_stat_getOffsetTime rsnrpz_stat_setMidOffset rsnrpz_stat_getMidOffset rsnrpz_stat_setMidLength rsnrpz_stat_getMidLength rsnrpz_stat_setScaleRefLevel

NRP-Z driver history

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		rsnrpz_stat_getScaleRefLevel rsnrpz_stat_setScaleRange rsnrpz_stat_getScaleRange rsnrpz_stat_setScalePoints rsnrpz_stat_getScalePoints rsnrpz_stat_getScaleWidth rsnrpz_scope_fastZero rsnrpz_corr_setSParmDevice rsnrpz_corr_getSParmDevice rsnrpz_chan_setReflectionGammaUncertainty rsnrpz_chan_getReflectionGammaUncertainty rsnrpz_chan_zeroAdvanced
1.30	11/2005	Modifications: - FPHelp fixed - command Index Added into CHM - Added support of NRP-Z37, 27, 81 - Modified functions: rsnrpz_chan_mode - New functions: rsnrpz_chan_configureReflectGammaCorr rsnrpz_chan_setReflectionGammaMagn rsnrpz_chan_getReflectionGammaMagn rsnrpz_chan_setReflectionGammaPhase rsnrpz_chan_getReflectionGammaPhase
1.22	05/2005	Modifications: Fixed description in: - rsnrpz_trigger_configureInternal - rsnrpz_trigger_setLevel - rsnrpz_trigger_getLevel
1.21	04/2005	Modifications: - Fixed rsnrpz_CloseSensor - forces freeing of user data
1.20	11/2004	Modifications: - Fixed NrpControl2.dll - Fixes rsnrpz_AddSensor ()
1.19	08/2004	Modifications: - Fixed NrpControl2.dll
1.18.	03/2004	Modifications: - Fixed NrpControl2.dll - Instrument Descriptor: If only one sensor is connected it is possible to use * for the product id or the serial number
1.17	12/2003	Modifications: - Removed debug lines with MessageBeep function (now it's 10x faster)
1.16	11/2003	Modifications: - Added new NrpControl2.dll (revision 01.21) - Float parameters are formatted with %e instead of %f - Minor changes in FP file - Fixed rsnrpz_status_checkEvent function - Changed default value of transition from PTR to NONE - changed function rsnrpz_InitializeRegisters - changed FP of rsnrpz_status_catchEvent - Fixed rsnrpz_chan_infosCount
1.15	09/2003	Modifications: - Added new NrpControl2.dll (revision 01.21) - Minor changes in FP file

NRP-Z driver history		
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1.14	08/2003	Modifications: - Added new Nrpcontrol2.dll (revision 01.20)
1.13	08/2003	Modifications: - Added VISA constants and types into header file. VISA is not required.
1.12	07/2003	Modifications: - Fixed bug in the error callback
1.11	07/2003	Modifications: - ignored Sample Error in release version. - used macro constant for device errors instead of magic numbers - isMeasComplete functions don't reflect measurement bits and they return TRUE when data are available. When functions return TRUE and new data has not been received, all other isMeasurementComplete function calls return FALSE.
1.10	07/2003	Modifications: - Fixed rsnrpz_chans_isMeasurementComplete and rsnrpz_chan_isMeasurementComplete. Functions do not return VI_TRUE when sensor is in wait for trigger state - Fixed functions rsnrpz_chans_zero and rsnrpz_chan_zero These function do not wait for acknowledge. - Added better checking for invalid session handle - Fixed functions rsnrpz_avg_setAutoEnabled, rsnrpz_avg_getAutoEnabled rsnrpz_scope_setAutoEnabled, rsnrpz_scope_getAutoEnabled. - If direction is RSNRPZ_DIRECTION_PTR, and is then set to RSNRPZ_DIRECTION_NTR, the ...PTR is removed - rsnrpz_close and rsnrpz_CloseSensor functions send *RST. - Installer distribute NrpControl2.dll v01.10
1.01	06/2003	Modifications: - Cosmetic changes in the help - Fixed rsnrpz_error_message function (translate NrpControl2 errors) - Fetch function returns an error when data are not available - Fixed functions rsnrpz_chans_isZeroingComplete and rsnrpz_chans_isMeasurementComplete
1.00	05/2003	Driver created