

DWDIO.DLL

Subject: Release note

Revision: 8.0

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Last Updated: 28/05/2008 10:04

Last Updated By: YBA

Printout Date: 28/05/2008 10:09

File: N:\dwdtools\dwdio\Documentation\Release_note\dwdio_dll_release_note.doc

Version history

Date	Revision	Who	Description
18.02.2004	0.1	PBO	First document
08.03.2004	0.2	PBO	Updated to dwdio.dll release 8.8
19.04.2004	0.3	PBO	Updated due to new dwdio.dll release 8.9
30.04.2004	1.0	PBO	Updated due to new dwdio.dll release 9.0
03.06.2004	1.1	PBO	Updated due to new dwdio.dll release 9.1
14.07.2004	1.2	PBO	Updated due to new dwdio.dll release 9.2
01.09.2004	1.3	PBO	Updated due to new dwdio.dll release 9.3
21.10.2004	1.4	PBO	Updated due to new dwdio.dll release 9.4
07.12.2004	1.5	PBO	Updated due to new dwdio.dll release 9.5
27.01.2005	1.6	PBO	Updated due to new dwdio.dll release 9.6
24.02.2005	1.7	PBO	Updated due to new dwdio.dll release 9.7
22.03.2005	1.8	PBO	Updated due to new dwdio.dll release 9.8
08.04.2005	1.9	PBO	Updated due to new dwdio.dll release 9.9
21.04.2005	2.0	PBO	Updated due to new dwdio.dll release 10.0
07.06.2005	2.1	PBO	Updated due to new dwdio.dll release 11.0
20.06.2005	2.2	PBO	Updated due to new dwdio.dll release 11.1
27.07.2005	2.3	PBO	Updated due to new dwdio.dll release 12.0
01.09.2005	2.4	PBO	Updated due to new dwdio.dll release 13.0
06.10.2005	2.5	PBO	Updated due to new dwdio.dll release 14.0
17.10.2005	2.6	PBO	Updated due to new dwdio.dll release 14.1
08.11.2005	2.7	PBO	Updated due to new dwdio.dll release 15.0
15.11.2005	2.8	PBO	Updated due to new dwdio.dll release 16.0
12.12.2005	2.9	PBO	Updated due to new dwdio.dll release 17.0
21.12.2005	3.0	PBO	Updated due to new dwdio.dll release 17.1
14.02.2006	3.1	PBO	Updated due to new dwdio.dll release 18.0
03.03.2006	3.2	PBO	Updated due to new dwdio.dll release 18.1
13.03.2006	3.3	PBO	Updated due to new dwdio.dll release 19.0
30.03.2006	3.4	PBO	Updated due to new dwdio.dll release 20.0
18.04.2006	3.5	PBO	Updated due to new dwdio.dll release 21.0
30.05.2006	3.6	PBO	Updated due to new dwdio.dll release 22.0
09.06.2006	3.7	PBO	Updated due to new dwdio.dll release 23.0
13.06.2006	3.8	PBO	Updated due to new dwdio.dll release 23.1
26.06.2006	3.9	PBO	Updated due to new dwdio.dll release 23.2
29.06.2006	4.0	PBO	Updated due to new dwdio.dll release 24.0
15.08.2006	4.1	PJE	Updated due to new dwdio.dll release 24.01
21.08.2006	4.2	PBO	Updated due to new dwdio.dll release 24.2
25.08.2006	4.3	PBO	Updated due to new dwdio.dll release 24.3
29.08.2006	4.4	PBO	Updated due to new dwdio.dll release 24.4
08.09.2006	4.5	PBO	Updated due to new dwdio.dll release 24.5
08.09.2006	4.6	PBO	Updated due to new dwdio.dll release 25.0
25.09.2006	4.7	PBO	Updated due to new dwdio.dll release 25.1

30.10.2006	4.8	PBO	Updated due to new dwdio.dll release 26.0
08.11.2006	4.9	PBO	Updated due to new dwdio.dll release 26.1
21.11.2006	5.0	PBO	Updated due to new dwdio.dll release 27.0
02.01.2007	5.1	PBO	Updated due to new dwdio.dll release 28.0
22.01.2007	5.2	PBO	Updated due to new dwdio.dll release 28.1
22.02.2007	5.3	PBO	Updated due to new dwdio.dll release 29.0
12.03.2007	5.4	PBO	Updated due to new dwdio.dll release 30.0
11.04.2007	5.5	PBO	Updated due to new dwdio.dll release 31.0
18.05.2007	5.6	PBO	Updated due to new dwdio.dll release 32.0
24.05.2007	5.7	PJE	Updated due to new dwdio.dll release 33.0
18.06.2007	5.8	PBO	Updated due to new dwdio.dll release 34.0
12.07.2007	5.9	PBO	Updated due to new dwdio.dll release 35.0
16.07.2007	6.0	PBO	Updated due to new dwdio.dll release 35.1
19.07.2007	6.1	PBO	Updated due to new dwdio.dll release 36.0
18.08.2007	6.2	PBO	Updated due to new dwdio.dll release 37.0
20.08.2007	6.3	PBO	Updated due to new dwdio.dll release 38.0
12.09.2007	6.4	PBO	Updated due to new dwdio.dll release 39.0
25.09.2007	6.5	PBO	Updated due to new dwdio.dll release 40.0
05.10.2007	6.6	PBO	Updated due to new dwdio.dll release 41.0
12.10.2007	6.7	PBO	Updated due to new dwdio.dll release 42.0
23.10.2007	6.8	PBO	Updated due to new dwdio.dll release 43.0
01.11.2007	6.9	PBO	Updated due to new dwdio.dll release 44.0
05.11.2007	7.0	PBO	Updated due to new dwdio.dll release 45.0
21.11.2007	7.1	PBO	Updated due to new dwdio.dll release 46.0
30.11.2007	7.2	PBO	Updated due to new dwdio.dll release 46.1
18.12.2007	7.3	PBO	Updated due to new dwdio.dll release 47.0
14.02.2008	7.4	PBO	Updated due to new dwdio.dll release 47.1
17.03.2008	7.5	PBO	Updated due to new dwdio.dll release 48.0
11.04.2008	7.6	PBO	Dwdio.dll v48.0 upgrade
23.04.2008	7.7	PBO	Updated due to new dwdio.dll release 49.0
21.05.2008	7.8	PBO	Updated due to new dwdio.dll release 50.0
21.05.2008	7.9	PBO	Updated due to new dwdio.dll release 50.1
27.05.2008	8.0	YBA	Updated due to new dwdio.dll release 51.0

Approved/owner

SW Developer
Per Bøgebjerg (PBO)

Version:	51.0
Release date:	27.05.2008
General information:	New UMTS calibration functions added New band definition added
New Function:	DWD_get_tx_base_pa_low_v2 DWD_store_tx_base_pa_low_v2 DWD_get_tx_slope_pa_low_v2 DWD_store_tx_slope_pa_low_v2 DWD_get_tx_base_pa_high_v2 DWD_store_tx_base_pa_high_v2 DWD_get_tx_slope_pa_high_v2 DWD_store_tx_slope_pa_high_v2 DWD_get_tx_low_dbm_v2 DWD_store_tx_low_dbm_v2 DWD_get_tx_low_dac_v2 DWD_store_tx_low_dac_v2 DWD_get_tx_high_dbm_v2 DWD_store_tx_high_dbm_v2 DWD_get_tx_high_dac_v2 DWD_store_tx_high_dac_v2 DWD_get_pwrdet_ch_coeff_v2 DWD_store_pwrdet_ch_coeff_v2 DWD_get_tx_channel_v2 DWD_store_tx_channel_v2 DWD_get_rx_channel_v2 DWD_store_rx_channel_v2 DWD_getif_start_ph_connect_v2
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	50.1
Release date:	21.05.2008
General information:	There was a problem to readout "first_error_ram_address" when target send it back in hex decimal in the DWD_ucal_start_ram_test function.
New Function:	
Updated function (with interface	N/A

changes):	
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	50.0
Release date:	21.05.2008
General information:	New UCAL function added to solve SMS767952
New Function:	• DWD_ucal_start_ram_test()
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	49.0
Release date:	23.04.2008
General information:	Typedef struct dwd_tx_rx_calib_ch_type updated to solve SMS755228 New function added to solve SMS752597.
New Function:	• DWD_get_tx_high_pa_dac_v2() • DWD_store_tx_high_pa_dac_v2() • DWD_get_tx_high_pa_dbm() • DWD_store_tx_high_pa_dbm()
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	48.0
Release date:	11.04.2008
General information:	Structure dwd_aud_sg3_dsp_type in dwdptest.h updated with new entry point in order to solve SMS754562
New Function:	N/A
Updated function (with interface changes):	N/A
Updated or corrected	N/A

function:	
Deleted function:	N/A
Renamed function:	N/A

Version:	48.0
Release date:	17.03.2008
General information:	- Added to new functions to support initialize of INL module during calibration.(SMS718466) - Sleep functionality from version 45.2 has been merged into main branch.
New Function:	- DWD_inl_init - DWD_inl_get_init_status - DWDIO_low_cpu_load_sleep_time
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	47.1
Release date:	14.02.2008
General information:	Removed some line error detection from DWD_start_ptest_mode function. (SMS729630)
New Function:	N/A
Updated function (with interface changes):	
Updated or corrected function:	DWD_start_ptest_mode
Deleted function:	N/A
Renamed function:	N/A

Version:	47.0
Release date:	18.12.2007
General information:	New function added to verify battery calibration (SMS710660)
New Function:	- DWD_chr_get_vbat_idle
Updated function (with interface changes):	N/A
Updated or corrected	N/A

function:	
Deleted function:	N/A
Renamed function:	N/A

Version:	46.1
Release date:	30.11.2007
General information:	Support for new band configuration (B1_B2_B8) added. Security function to clear and verify system code has been updated so the DLL timeout value now is multiplied with 3 instead of 2. The reason for that is it has been observed it takes longer time to clear and verify this code in some of the latest target build on MPEH platform.
New Function:	N/A
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	46.0
Release date:	21.11.2007
General information:	New functions added.
New Function:	- DWD_fast_check_comm_link - DWD_get_rxlev_ch_no_comp - DWD_store_rxlev_ch_no_comp
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	45.0
Release date:	05.11.2007
General information:	Added six new functions to GETIF interface.
New Function:	- DWD_getif_start_dch_connect - DWD_getif_start_dch_rel_req - DWD_getif_dch_enable_loop - DWD_getif_dch_disable_loop - DWD_getif_tch_rxlev_meas - DWD_getif_pdch_rxlev_meas

Updated function (with interface changes):	- DWD_getif_start_idle_req - DWD_getif_start_rxlev_band
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	44.0
Release date:	01.11.2007
General information:	Added two new functions to solve UTP: SMS687187 regarding RXLEV temp compensation parameter with 6 entries pr band. Added a new function to start PTEST mode in target, if target has send a string "AT#PTEST_PREPERED" to dwdio.dll first. (SMS638456)
New Function:	- DWD_get_rxlev_tmp_comp3 - DWD_store_rxlev_tmp_comp3 - DWD_start_ptest_mode
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	43.0
Release date:	23.10.2007
General information:	Added two new functions to support TX IQ calibration.
New Function:	- DWD_inl_trigger_txiq - DWD_inl_get_txiq_meas_result
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	42.0
Release date:	12.10.2007
General information:	Added new function to support GETIF (GSM Test interface in reduced signalling mode)
New Function:	- DWD_getif_start_ph_chn_rel - DWD_get_parm_xx_address - DWD_get_parm_xx_item_type_size
Updated function (with interface changes):	- DWD_getif_start_idle_req - DWD_getif_start_ph_connect - DWD_getif_start_rxlev_band_req
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	41.0
Release date:	05.10.2007
General information:	Added new function to support GETIF (GSM Test interface in reduced signalling mode)
New Function:	- DWD_get_calib_bitmap - DWD_store_calib_bitmap - DWD_getif_start_idle_req - DWD_getif_start_ph_connect - DWD_getif_start_sync_req - DWD_getif_start_rxlev_band_req
Updated function (with interface changes):	- DWD_ucal_init_tx_cal (some unused parameter removed)
Updated or corrected function:	N/A
Deleted function:	- DWD_get_hasp_id - DWD_sec_user_cmd - DWD_sec_user_cmd_v2
Renamed function:	N/A

Version:	40.0
Release date:	26.09.2007
General information:	Support for new EEP static fixed name added.

New Function:	- DWD_clear_rx_buffer - DWD_clear_tx_buffer - DWD_get_available_UMTS_band - DWD_received_raw_data - DWD_send_raw_data
Updated function (with interface changes):	N/A
Updated or corrected function:	- DWD_get_pwrdet_enabled - DWD_get_tx_high_pa_dac - DWD_store_tx_high_pa_dac - DWD_get_tx_low_pa_dac - DWD_store_tx_low_pa_dac - DWD_get_tx_low_tempcoeff - DWD_store_tx_low_tempcoeff - DWD_get_tx_low_pa_dbm - DWD_store_tx_low_pa_dbm - DWD_get_tx_high_tempcoeff - DWD_store_tx_high_tempcoeff - DWD_get_tx_base_default_low - DWD_store_tx_base_default_low - DWD_get_tx_base_default_high - DWD_store_tx_base_default_high - DWD_get_tx_channel - DWD_store_tx_channel - DWD_get_tx_voltage_ref - DWD_store_tx_voltage_ref - DWD_get_tx_high_voltage_pwr_region - DWD_store_tx_high_voltage_pwr_region - DWD_get_tx_low_voltage_pwr_region - DWD_store_tx_low_voltage_pwr_region - DWD_get_rx_threshold - DWD_store_rx_threshold - DWD_get_rx_low_tempcoeff - DWD_store_rx_low_tempcoeff - DWD_get_rx_mid_tempcoeff - DWD_store_rx_mid_tempcoeff - DWD_get_rx_high_tempcoeff - DWD_store_rx_high_tempcoeff - DWD_get_rx_channel - DWD_store_rx_channel - DWD_get_rx_refp1_pgc - DWD_store_rx_refp1_pgc - DWD_get_rx_refp2_pgc - DWD_store_rx_refp2_pgc - DWD_get_rx_refp3_pgc - DWD_store_rx_refp3_pgc - DWD_get_pa_timing_offset

	- DWD_store_pa_timing_offset - DWD_get_edge_pa_timing_offset - DWD_store_edge_pa_timing_offset - DWD_get_gmsk_pa_temp_comp - DWD_store_gmsk_pa_temp_comp - DWD_get_edge_pa_temp_comp - DWD_get_edge_pa_temp_comp2 - DWD_store_edge_pa_temp_comp - DWD_store_edge_pa_temp_comp2 - DWD_get_edge_pa_ch_comp_boundary - DWD_get_gmsk_pa_ch_comp_boundary
Deleted function:	N/A
Renamed function:	N/A

Version:	39.0
Release date:	12.09.2007
General information:	Added new function to support antenna switch
New Function:	- DWD_get_set_diag_antenna_switch
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	38.0
Release date:	20.08.2007
General information:	Added two new functions to get and store all RXLEV channel compensation offset parameters for each band instead of only store 6 value for GSM850 and GSM900 and 8 for DCS1800 and PCS1900.
New Function:	- DWD_get_rxlev_ch_comp_offset2 - DWD_store_rxlev_ch_comp_offset2
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A

Deleted function:	N/A
Renamed function:	N/A

Version:	37.0
Release date:	18.08.2007
General information:	Added a new function to support 64 entries for EDGE txcorr instead of 32 Dwdptest.h updated with new type definition - typedef signed char dwd_edge_txcorr_type2[64];
New Function:	- DWD_store_edge_txcorr2
Updated function (with interface changes):	
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	36.0
Release date:	19.07.2007
General information:	EEP function to new 2 and 2.5G calibration concept added.
New Function:	- DWD_get_edge_pa_ch_comp2 - DWD_get_edge_pa_temp_comp2 - DWD_get_edge_tx_voltage_comp - DWD_get_gmsk_pa_ch_comp2 - DWD_get_gmsk_pa_temp_comp2 - DWD_get_gmsk_tx_voltage_comp - DWD_get_rxlev_tmp_comp2 - DWD_set_power_down_mode - DWD_store_edge_pa_ch_comp2 - DWD_store_edge_pa_temp_comp2 - DWD_store_edge_tx_voltage_comp - DWD_store_gmsk_pa_ch_comp2 - DWD_store_gmsk_pa_temp_comp2 - DWD_store_gmsk_tx_voltage_comp - DWD_store_rxlev_tmp_comp2
Updated function (with interface changes):	- DWD_get_gmsk_pa_temp_comp - DWD_store_gmsk_pa_temp_comp - DWD_get_edge_pa_temp_comp - DWD_store_edge_pa_temp_comp

	- DWD_ee_get_eep_prefix_from_target
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	35.1
Release date:	16.07.2007
General information:	Hot fix release: The Connection check function has been updated in a sequence where there target already running in Online mode but dwdio.dll doesn't. The Online mode request is send every time now when the dwdio.dll switches from AT# to Online Mode, so the transfer bandwidth also can be synchronised.
New Function:	N/A
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	35.0
Release date:	12.07.2007
General information:	New function added to support FMD driver. Enum type feature present updated in dwdpctest.h
New Function:	DWD_fmd_generic DWD_fmd_generic_timeout_delay
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	34.0
Release date:	18.06.2007
General information:	New function added to support SGOLDRADIO. Typedef struct named dwd_pwrdrdet_ch_coeff_type changed to use signed int16 instead of signed char.

	Typedef union named dwd_aud_dsp_type and dwd_aud_afe_type updated to support EGOLDVOICE (egv)
New Function:	DWD_get_DSR DWD_get_internal_temp_sensor DWD_get_gmsk_pa_pedestal_default DWD_store_gmsk_pa_pedestal_default DWD_get_gmsk_pa_pedestal_offset DWD_store_gmsk_pa_pedestal_offset DWD_get_edge_pa_gainstep_corr DWD_store_edge_pa_gainstep_corr DWD_get_8psk_bias_mode_no DWD_store_8psk_bias_mode_no DWDIO_use_low_cpu_load
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	33.0
Release date:	30.05.2007
General information:	New functions added for UMTS handling New structures added to accommodate new UMTS functions Modified functions and removed functions (see below function list)
New Function:	Dwdio Doc ref and function name 5.2.15 DWD_ucal_get_tx_PDET 8.2.23 DWD_get_tx_base_pa_low 8.2.24 DWD_store_tx_base_pa_low 8.2.25 DWD_get_tx_base_pa_high 8.2.26 DWD_store_tx_base_pa_high 8.2.27 DWD_get_tx_slope_pa_low 8.2.28 DWD_store_tx_slope_pa_low 8.2.29 DWD_get_tx_slope_pa_high 8.2.30 DWD_store_tx_slope_pa_high 8.2.31 DWD_get_tx_low_pa_dbm 8.2.32 DWD_store_tx_low_pa_dbm 8.2.33 DWD_get_rx_refp3_dbm 8.2.34 DWD_store_rx_refp3_dbm 8.2.35 DWD_get_rx_refp3_pgc 8.2.36 DWD_store_rx_refp3_pgc 8.2.37 DWD_get_pwrDET_enabled 8.2.38 DWD_get_tx_base_default_low 8.2.39 DWD_store_tx_base_default_low

	8.2.40 DWD_get_tx_base_default_high 8.2.41 DWD_store_tx_base_default_high 8.2.42 DWD_get_pwrdet_offset 8.2.43 DWD_store_pwrdet_offset 8.2.44 DWD_get_voltage_compensation 8.2.45 DWD_store_voltage_compensation 8.2.46 DWD_get_tx_voltage_ref 8.2.47 DWD_store_tx_voltage_ref 8.2.48 DWD_get_tx_low_voltage_pwr_region 8.2.49 DWD_store_tx_low_voltage_pwr_region 8.2.50 DWD_get_tx_high_voltage_pwr_region 8.2.51 DWD_store_tx_high_voltage_pwr_region 8.9.3 DWD_get_rx_mid_tempcoeff 8.9.3 DWD_store_rx_mid_tempcoeff 8.9.51 DWD_get_rx_reftemp 8.9.53 DWD_store_rx_reftemp 8.9.52 DWD_get_tx_reftemp 8.9.54 DWD_store_tx_reftemp
Updated function (with interface changes):	Dwdio Doc ref and function name 8.9.1 DWD_get_rx_high_tempcoeff 8.9.2 DWD_store_rx_high_tempcoeff 8.9.5 DWD_get_rx_low_tempcoeff 8.9.6 DWD_store_rx_low_tempcoeff 8.9.21 DWD_get_tx_high_tempcoeff 8.9.22 DWD_store_tx_high_tempcoeff 8.9.23 DWD_get_tx_low_tempcoeff 8.9.24 DWD_store_tx_low_tempcoeff 8.9.41 DWD_get_tx_high_pa_dac 8.9.42 DWD_store_tx_high_pa_dac 8.9.43 DWD_get_pwrdet_ch_coeff 8.9.44 DWD_store_pwrdet_ch_coeff
Updated or corrected function:	N/A
Deleted function:	DWD_get_rx_temprt DWD_store_rx_temprt DWD_get_tx_temprt DWD_store_tx_temprt DWD_get_tx_ch_coeff_pa_low DWD_store_tx_ch_coeff_pa_low DWD_get_tx_ch_coeff_pa_high DWD_store_tx_ch_coeff_pa_high DWD_get_pwrdet_channel DWD_store_pwrdet_channel
Renamed function:	N/A

Version:	32.0
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Release date:	18.05.2007
General information:	New generic command added. New sec command added. Typedef enum "dwd_fuse_chip_id_type" in dwdptest.h updated to EGOLDVOICE.
New Function:	DWD_adaptor_generic – DWD_adaptor_generic_timeout_delay DWD_sysmon_generic - DWD_sysmon_generic_timeout_delay DWD_sec_verify_fuseregisters
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	31.0
Release date:	11.04.2007
General information:	UserCommand function added again. The function was removed in dwdio.dll v28.0
New Function:	DWD_user_command DWD_user_command_timeout
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	30.0
Release date:	12.03.2007
General information:	Dwd_adc_meas_type updated in dwdptest.h with new entries. Dwd_adc_adjusted_comp_parms_type is also updated with new entries similar to dwd_adc_meas_type, but this change could give some problem if the DWD_store_adc is used. Internally in this function is a memcpy use and the size of this structure is used as an input to update eep static parameters. So before using the DWD_store_adc function then check your EEP cfg file to see how many entries there are in eep_static.chr_adjcomp and compare it with the updated structure so you don't make an overwrite.
New Function:	DWD_aud_radio_enable DWD_aud_radio_disable DWD_aud_radio_read_current_status

	DWD_aud_radio_rssi_subscribe DWD_aud_radio_set_station DWD_gdd_get_data_dump_size DWD_gdd_get_data_dump DWD_see_generic DWD_see_generic_timeout_delay
Updated function (with interface changes):	DWD_meas_all_adc DWD_meas_all_adc_direct DWD_get_adc DWD_store_adc
Updated or corrected function:	DWD_ucal_set_interface
Deleted function:	N/A
Renamed function:	N/A

Version:	29.0
Release date:	22.02.2007
General information:	- New compiler introduced (Turbo c++ 2006) - Dynamic UMTS band support added. - Introduced support for 1000 bytes buffer in AT# mode
New Function:	DWD_get_rx_temprt DWD_get_tx_temprt DWD_store_rx_temprt DWD_store_tx_temprt DWD_rf_umts_band_supported
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	DWD_use_ffs_extended_buffer
Renamed function:	N/A

Version:	28.1
Release date:	22.01.2007
General information:	50 ms delay in functions DWD_ucal_get_rx_linear_rssi and DWD_ucal_get_rx_pgc_rssi has been removed. dwd_sec_fuseregisters_type updated. dwd_fuse_chip_id_type added to dwdpctest.h.
New Function:	
Updated function (with interface changes):	N/A
Updated or corrected	DWD_ucal_get_rx_linear_rssi

function:	DWD_ucal_get_rx_pgc_rssi
Deleted function:	N/A
Renamed function:	N/A

Version:	28.0
Release date:	02.01.2007
General information:	- Cleanup for unused function. - New production test function to audio test added. - The util_wrap_function has been updated so it only returns src_len+nof_cr+1 instead of src_len+nof_cr+5, this will solve a problem where you don't see some extra byte when using the DWD_set_v24_mode. - All function starting with DWD_gti_ucal_xx has been changed to DWD_ucal_xx - Delay in two functions DWD_ucal_rx_linear_rssi and DWD_ucal_get_rx_pgc_rssi changed to 50 ms instead of 2000 ms.
New Function:	DWD_gra_generic, DWD_ee_get_eep_prefix_from_target. DWD_aud_add_uplink_path, DWD_aud_add_downlink_path, DWD_aud_remove_downlink_path, DWD_aud_remove_uplink_path, DWD_set_resource_volume, DWD_set_master_volume, DWD_activate_hw, DWD_set_dsp_parameter, DWD_get_dsp_parameter, DWD_set_afe_parameter, DWD_get_afe_parameter, DWD_aud_tone_start, DWD_aud_tone_stop, DWD_aud_ringer_start, DWD_aud_ringer_stop, DWD_clean_target, DWD_inl_get_pa_type (was already introduced in v26. but not in v27.0) DWD_sec_set_fuseregisters
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	DWD_bandquery, DWD_xbandselect, DWD_rx_monitor_start, DWD_rx_monitor_stop

	DWD_check_gg DWD_battery_status DWD_charger_status DWD_capacity_status_direct DWD_charger_status_direct DWD_set_vhome_offset DWD_sig_poll_gprs_attached DWD_sig_gprs_attach_req DWD_rf_get_generic_info DWD_rf_get_hf_corr_values DWD_rf_set_antenna_ch_compensation DWD_rf_set_max_pa_ch_comp_offset DWD_set_iqrms_sample_number DWD_receive_irda_v2. DWD_send_irda_v2 DWD_switch_off_backligh DWD_switch_on_backlight DWD_switch_vibrator_on DWD_switch_vibrator_on_continus DWD_switch_vibrator_off removed DWD_chr_set_reverse_charging DWD_gdd_get_lcd_id DWD_poll_key_matrix_result DWD_get_audio_data DWD_set_audio DWD_set_ear_piece DWD_set_mic DWD_set_speakeramp_handsfree DWD_set_volume_step DWD_start_buzzer_tune DWD_stop_buzzer_tune DWD_start_melody_tune DWD_start_melody_tune_hp DWD_stop_melody_tune DWD_play_buzzer_tone DWD_start_buzzer_melody DWD_aud_execute_audio_measurement DWD_set_audio_uplink_path DWD_set_audio_downlink_path DWD_update_audio_path DWD_set_power_down_mode DWD_get_egoldradio_version_revision DWD_chr_get_measurement_control_status DWD_get_hw_coding DWD_set_cust_key DWD_get_vhome_offset DWD_store_vhome_offset DWD_get_lcd_contrast_v2 DWD_store_lcd_contrast_v2
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	DWD_get_generic_tag_parms DWD_store_generic_tag_parms DWD_monitor_pin_generic_func DWD_afr_generic DWD_afr_generic_timeout_delay DWD_get_mail DWD_user_command DWD_user_comman_timeout_delay
Renamed function:	DWD_gti_uca_ xx -> DWD_uca_ xx

Version:	27.0
Release date:	21.11.2006
General information:	Support for UMTS band configuration added.
New Function:	DWD_sec_clear_sec_area DWD_gti_uca_get_umts_config DWD_get_rx_high_tempcoeff DWD_store_rx_high_tempcoeff DWD_get_rx_low_tempcoeff DWD_store_rx_low_tempcoeff DWD_get_rx_ch_coeff DWD_store_rx_ch_coeff DWD_get_rx_channel DWD_store_rx_channel DWD_get_rx_refp1_dbm DWD_store_rx_refp1_dbm DWD_get_rx_refp1_pgc DWD_store_rx_refp1_pgc DWD_get_rx_refp2_dbm DWD_store_rx_refp2_dbm DWD_get_rx_refp2_pgc DWD_store_rx_refp2_pgc DWD_get_rx_threshold DWD_store_rx_threshold DWD_get_tx_high_tempcoeff DWD_store_tx_high_tempcoeff DWD_get_tx_low_tempcoeff DWD_store_tx_low_tempcoeff DWD_get_tx_ch_coeff_pa_low DWD_store_tx_ch_coeff_pa_low DWD_get_tx_ch_coeff_pa_high DWD_store_tx_ch_coeff_pa_high DWD_get_tx_channel DWD_store_tx_channel DWD_get_tx_low_dbm DWD_store_tx_low_dbm DWD_get_tx_high_dbm DWD_store_tx_high_dbm

	DWD_get_tx_low_dac DWD_store_tx_low_dac DWD_get_tx_high_dac DWD_store_tx_high_dac DWD_get_tx_low_pa_dac DWD_store_tx_low_pa_dac DWD_get_tx_high_pa_dac DWD_store_tx_high_pa_dac DWD_get_pwrdet_ch_coeff DWD_store_pwrdet_ch_coeff DWD_get_pwrdet_channel DWD_store_pwrdet_channel DWD_get_pwrdet_dbm DWD_store_pwrdet_dbm DWD_get_pwrdet_adc DWD_store_pwrdet_adc
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	26.2
Release date:	12.12.2006
General information:	New function added to get PA type from target. Dwdptest.h updated with some new entry in dwd_rf_present_codes_type, dwd_chr_generic, dwd_baseband_present_codes. New typedef enum dwd_rf_pa_indicator also added. Internal GDD data stream buffer increased to 700.000 bytes
New Function:	DWD_inl_get_pa_type
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	26.1
Release date:	08.11.2006
General information:	Bug fix release

New Function:	
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_bluetooth_generic_timeout_delay DWD_rtc_generic_timeout_delay DWD_bl_generic_timeout_delay
Deleted function:	N/A
Renamed function:	N/A

Version:	26.0
Release date:	30.10.2006
General information:	Trace buffer increased to 1000000. Structure "dwd_sec_get_hw_details_type" in dwdptest.h updated with unsigned char gpuk_key_hash[20], unsigned char mpuk_key_hash[20], unsigned char spuk_key_hash[20];
New Function:	DWD_get_parm_xx_from_nv DWD_store_parm_xx_to_nv DWD_gti_ucal_get_rx_linear_rssi DWD_gti_ucal_rx_standby DWD_gti_ucal_tx_standby
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	25.1
Release date:	25.09.2006
General information:	A problem to get ATC capability regarding EEP patch concept in the first connection check if Online Mode is supported has been fixed. UTP: SMS00399714
New Function:	N/A
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	25.0
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Release date:	08.09.2006
General information:	Online Mode has been matured. The function "Send_block" has been changed so the header and data will be send in the same package to avoid some time delays on PC side ,this problem are only related to OnlineMode. Error handling updated to with new error messages. The name of the function in func_trc.txt has been updated so the names now are the same as the function there have been called. Function names start with "DWD_" is exported and functions and without is local function in dwdio.dll
New Function:	DWD_customer_generic DWD_customer_generic_timeout_delay DWD_get_dwdio_capability DWD_gti_ucal_get_rx_pgc_rssi DWD_gti_ucal_init_rx_cal DWD_gti_ucal_init_tx_cal DWD_gti_ucal_rx_uarfcn DWD_gti_ucal_set_interface DWD_gti_ucal_set_rx_lna_mode DWD_gti_ucal_set_tx_gain DWD_gti_ucal_set_tx_uarfcn DWD_osc_generic DWD_osc_generic_timeout_delay DWD_pc3_pow_generic DWD_pc3_pow_generic_timeout_delay DWD_use_ffs_extended_buffer_size DWD_xdrv_generic DWD_xdrv_generic_timeout
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	24.5
Release date:	08.09.2006
General information:	Solved a problem in internal receive command where the input buffer was flushed before receiving data. If target has a very small delay between the requests and confirm mail could it sometime happen the first valid data was flushed.
New Function:	N/A
Updated function (with interface	N/A

changes):	
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	24.4
Release date:	29.08.2006
General information:	Function update.
New Function:	N/A
Updated function (with interface changes):	N/A
Updated or corrected function:	Function DWD_set_v24_mode updated due to a problem when dwdio.dll run OnlineMode.
Deleted function:	N/A
Renamed function:	N/A

Version:	24.3
Release date:	25.08.2006
General information:	Function update.
New Function:	N/A
Updated function (with interface changes):	N/A
Updated or corrected function:	Function DWD_store_dynamic_parm_xx updated due to access violation problem regarding un-initialize variable.
Deleted function:	N/A
Renamed function:	N/A

Version:	24.2
Release date:	21.08.2006
General information:	Function update.
New Function:	
Updated function (with interface changes):	N/A
Updated or corrected function:	Function DWD_dump_static updated due to an error when eep static size is higher than max. "online_mt_trans_width " which is set to 10240 byte as default in dwdio.dll
Deleted function:	N/A
Renamed function:	N/A

Version:	24.01
Release date:	15.08.2006
General information:	Function update.
New Function:	
Updated function (with interface changes):	N/A
Updated or corrected function:	Functions DWD_read_static_nv and DWD_read_dynamic_nv now support reading of blocks larger than 230 bytes.
Deleted function:	N/A
Renamed function:	N/A

Version:	24.0
Release date:	29.06.2006
General information:	New Bluetooth commands added. New generic function for backlight driver added and a new function to freeze EEP calibration data.
New Function:	DWD_bl_generic DWD_bl_generic_timeout_delay DWD_btd_enter_rf_test_mode_extended DWD_btd_get_fft_test_result DWD_btd_start_fft_test DWD_ee_freeze_calib_data
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	23.2
Release date:	26.06.2006
General information:	DWD_get_battery_info updated due to new parameters added for pulse charging logging in atctst_chr_debug_info_type (atctstif.h).
New Function:	
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_get_battery_info
Deleted function:	N/A
Renamed function:	N/A

Version:	23.1
Release date:	13.06.2006
General information:	Bug fix release due to some problem with some EEP store function where the EEP static data are overwritten instead of EEP static modify data.
New Function:	
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_store_gmsk_pa_temp_comp DWD_store_afc DWD_store_aud_parms DWD_store_config DWD_store_edge_txcorr DWD_store_generic_tag_parms DWD_store_rxlev_ch_comp_offset DWD_store_rxlev_gain_offset_v2 DWD_store_test_station_parms
Deleted function:	N/A
Renamed function:	N/A

Version:	23.0
Release date:	09.06.2006
General information:	Support for new EEP static patch concept has been added.
New Function:	DWD_get_used_eep_static_patch_concept
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_store_to_nv_memory
Deleted function:	N/A
Renamed function:	N/A

Version:	22.0
Release date:	30.05.2006
General information:	The function to change the serial interface mode has been changes. It will not load all the EEP value from target, but only load the EEP CFG file to be able to find the offset of "eep_static.atc_startup.mode" and change this value. Two structures in dwdptest.h updated. Dwd_features_present_codes_type updated with new entry "dwd_pcm_player_present". Dwd_rf_present_codes_type updated with new entry "dwd_smarti_pm2".

	Problem with slow response solved. Call to ReleaseMutex was missing in some function.
New Function:	DWD_cc_generic DWD_cc_generic_timeout_delay DWD_check_for_eep_cfg_file DWD_get_eep_cfg_filename DWD_inl_generic DWD_inl_generic_timeout_delay DWD_send_irda_data_continuous
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_set_serial_interface_mode
Deleted function:	
Renamed function:	N/A

Version:	21.0
Release date:	18.04.2006
General information:	The connection check function is updated to return false if starting online mode failed. This has only influence for these target system where online mode are supported.
New Function:	DWD_dma_generic DWD_dma_generic_timeout_delay DWD_start_trace_extended DWD_stop_trace_extended
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	DWD_convert_function_trace2txt
Renamed function:	DWD_umts_generic has been renamed to DWD_gti_generic

Version:	20.0
Release date:	30.03.2006
General information:	Dwd_ee_opcode_type and ee_opcode enum updated with new entries. <i>dwd_get_nof_stored_exceptions</i> <i>dwd_get_exception_data</i> <i>dwd_get_exception_data_init</i> Dwd_baseband_present_codes_type and enum dwd_baseband_present_codes updated with new entries.

	<i>dwd_sgold3</i> <i>dwd_egold_voice</i> Dwd_btd_opcodes_type and enum dwd_btd_opcode updated with new entries. <i>dwd_btd_set_tx_continuous_mode_extended</i>, <i>dwd_btd_check_sleepx_signal</i> dwd_bb_ver_enum_type updated with: <i>dwd_bb_ver_sgold3 = dwd_bb_ver_egoldradio</i> Typedef structure }dwd_rx_afc_calib_data_type_v2 added; Problem to send AT command when Online mode are enabled has been solved.
New Function:	DWD_osc_get_rx_afc_calib_data_v2. DWD_btd_set_tx_cw_extended_mode. DWD_btd_check_sleepx_signal DWD_atc_generic DWD_atc_generic_timeout_delay DWD_pmu_generic DWD_pmu_generic_timeout_delay DWD_inl_get_xo_source DWD_get_afc_extended DWD_store_afc_extended
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_get_battery_info - atctst_chr_debug_info_type updated with new entries for pulse charging, this have impact of this dwdio.dll function. DWD_set_v24_mode – There was a problem to sue this function when running in Online Mode.
Deleted function:	N/A
Renamed function:	N/A

Version:	19.0
Release date:	13.03.2006
General information:	New dwdio.dll function added. Enums in dwdptest.h updated. Enum dwd_rf_bands_support updated with a new tri-band 850_1800_1900. Missing “typedef” in enum dwd_features_present_codes and dwd_afr_opcode added. Enum for gdd opcode updated with new entries. Enum for btd opcode updated with new entries. Typedef enum gdd_hw_id_type updated with new entries, GDD_MAIN_CAM, GDD_SUB_CAM & GDD_HW_ID_NONE.

New Function:	DWD_cgu_generic DWD_cgu_generic_timeout_delay DWD_umts_generic DWD_umst_genetic_timeout_delay DWD_btd_set_tx_burst_extended_mode DWD_btd_set_afh_channel_map DWD_btd_init
Updated function (with interface changes):	DWD_start_online_mode (dma_monitor_count and dma_monitor added). DWD_btd_get_hw_info(Bluetooth_init added.)
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	18.1
Release date:	03.03.2006
General information:	Bug fix to DWD_sw_reset. Data was not sent correct in online mode.
New Function:	N/A
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_sw_reset
Deleted function:	N/A
Renamed function:	N/A

Version:	18.0
Release date:	14.02.2006
General information:	The bool type has new been replaced by a new Boolean type defined in dwdptest.h (#define Bool unsigned char). The HINSTANCE type is now declared as an unsigned int if #define __BORLANDC__ not have been set. Support for ONLINE mode has been implemented. Problem to send normal AT command in dongle free dwdio.dll has been solved.
New Function:	DWD_spcu_generic DWD_spcu_generic_timeout_delay DWD_setup_call DWD_chr_set_reverse_charging DWD_sec_verify_system_code. DWD_sec_clear_system_code. DWD_sec_get_hw_detail

	DWD_sec_get_security_status, DWD_sec_freeze_imei, DWD_sec_get_imeis, DWD_rf_generic DWD_rf_generic_timeout, DWD_rf_get_generic_info, DWD_rf_get_hf_corr_value, DWD_rf_set_antenna_ch_compensation, DWD_aud_execute_audio_measurement, DWD_sec_store_soft_imei, DWD_set_edge_pa_timing_offset, DWD_sec_user_cmd_v2 DWD_rf_set_max_pa_ch_comp DWD_chr_get_charger_type, DWD_start_online_mode, DWD_stop_online_mode, DWD_online_loopback DWD_online_mode_status.
Updated function (with interface changes):	DWD_dut_in_idle DWD_set_power_saving DWD_get_irda_result, DWD_check_rtc, DWD_verify_sim_connection, DWD_charger_inserted, DWD_poll_keyboard_result, DWD_poll_keyboard_result64, DWD_set_audio, DWD_btd_enter_rf_test_mode, DWD_btd_sw_reset, DWD_btd_setup_pcm_loopback, DWD_btd_check_host_interface, DWD_btd_check_pcm_interface, DWD_check_gg, DWD_store_imei, DWD_dump_static_wchksm, DWD_store_to_nv_wchksm, DWD_use_eep_archive, DWD_external_msg_handler, DWD_send_at_command, DWD_check_for_ptest. For all these command is the Boolean type in the parameter list changed to the Bool type defined in dwdptest.h
Updated or corrected function:	DWD_memory_read. DWD_get_hw_coding.
Deleted function:	DWD_get_status DWD_set_status

Renamed function:	N/A
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Version:	17.1
Release date:	21.12.2005
General information:	Function DWD_memory_read corrected. Address was not copied correct if dwdio.dll uses dongle security.
New Function:	N/A
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_memory_read
Deleted function:	N/A
Renamed function:	N/A

Version:	17.0
Release date:	12.12.2005
General information:	New dwdio.dll function added. Dwd_bb_rev_enum_type updated with dwd_bb_rev20 in dwdptest.h New dwdio.dll variant added.
New Function:	DWD_get_sim_icc_id DWD_ver_generic DWD_ver_generic_timeout_delay DWD_trap_generic DWD_trap_generic_timeout_delay DWD_emd_generic DWD_emd_generic_timeout_delay DWD_rtc_generic DWD_rtc_generic_timeout_delay DWD_iic_generic DWD_iic_generic_timeout_delay DWD_get_rxlev_gain_offset_v2 DWD_store_rxlev_gain_offset_v2 DWD_set_rxlev_gain_offset_v2 DWD_get_edge_txcorr DWD_store_edge_txcorr DWD_btd_bmu_get_address DWD_btd_bmu_store_address DWD_btd_bmu_get_tx_power_offset DWD_btd_bmu_store_tx_power_offset DWD_btd_bmu_get_baud_rate DWD_btd_bmu_store_baud_rate DWD_get_lcd_contrast_v2 DWD_store_lcd_contrast_v2 DWD_get_hw_coding

Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_check_comm_link DWD_chr_generic
Deleted function:	DWD_non_sig_use_calib_parms
Renamed function:	DWD_lcd_get_hw_id -> DWD_gdd_get_lcd_id

Version:	16.0
Release date:	15.11.2005
General information:	Two new audio generic functions added to solve 32 byte alignment problems.
New Function:	DWD_aud_generic_longint DWD_aud_generic_longint_timeout_delay
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	15.0
Release date:	08.11.2005
General information:	• Spell error corrected in dwdptest.h, • The typedef structure “dwd_equ_data” updated so it is the same as T_ATCTST_EQU_DATA from atctstif.h
New Function:	DWD_configure_sim_simulation DWD_btd_get_hw_info
Updated function (with interface changes):	• Set_current_directory: String path changed to char * path. • DWD_btd_get_bluemoon_firmware_version: Version is made as a void * to support two structure type depending on hardware ID of the Blue-moon chip. • DWD_osc_xocal: New input parameter added.
Updated or corrected function:	• DWD_wrk_get_ptm: Updated to support the updated dwd_equ_data structure type.
Deleted function:	N/A
Renamed function:	N/A

Version:	14.1
Release date:	17.10.2005
General information:	A problem to release the dwdio.dll from memory has been solved. The problem occurred if the function DWD_set_v24_mode was called. New dwdio.dll variant are also added.
New Function:	N/A

Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	14.0
Release date:	06.10.2005
General information:	Support for standard calling convention (__stdcall) added. The crash by using the dwdio.dll in Visual Basic seems to be solved after removing a form unit from the dwdio.dll. A similar problem in Labview seems also to be solved. Enum there not was declared as type def enum id now declared as type def enum by using a #define.
New Function:	DWD_lcd_get_hw_id DWD_fs_ms_generic DWD_fs_ms_generic_timeout_delay DWD_get_product_name DWD_non_sig_use_calib_parms DWD_osc_get_xocal
Updated function (with interface changes):	DWD_wrk_start_tch DWD_get_dynamic_parm_xx DWD_store_dynamic_parm_xx
Updated or corrected function:	DWD_get_parm_xx DWD_store_parm_xx These two function is updated so it not are possible to get or store value out of the eep static area, otherwise last_error will be updated with "Error - Reading static parms out of bounds" or "Error - Store static parms out of bounds".
Deleted function:	DWD_get_dynamic_tag_parms
Renamed function:	N/A

Version:	13.0
Release date:	01.09.2005
General information:	In general there have been a clean up in dwdptest.h, so all the exported dll function is more readable. They are now grouped in a way so it match the production_test_pc_dll document. New typedef enum structure is added (dwd_bb_EGR_rev_enum_type). This is

	added to support EgoldRadio. The typedef enum structure <code>dwd_bb_ver_enum_type</code> is updated with <code>dwd_bb_ver_egoldradio</code> Typedef struct <code>dwd_rx_afc_calib_data_type</code> is updated so the <code>freqoffset</code> is a signed <code>int16</code> instead of unsigned <code>int16</code> New customer variant added.
New Function:	<code>DWD_poll_key_matrix_result</code> <code>DWD_set_power_down_mode</code> <code>DWD_get_egoldradio_version_revision</code> <code>DWD_chr_get_measurement_control_status</code>
Updated function (with interface changes):	<code>DWD_osc_get_rx_afc_calib_data</code> (<code>channel</code> is added as input)
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	12.0
Release date:	27.07.2005
General information:	Default baud rate have now been set to 115200, since most of the project now are using this speed. New <code>dwdio.dll</code> variant added.
New Function:	<code>DWD_btd_set_tx_burst_mode</code> <code>DWD_btd_set_tx_cw_mode</code> <code>DWD_btd_set_rx_cw_mode</code> <code>DWD_btd_get_bluemoon_firmware_version</code> <code>DWD_key_generic</code> <code>DWD_key_generic_timeout_delay</code> <code>DWD_set_audio_parms</code> <code>DWD_set_iqrms_sample_number</code> <code>DWD_rtc_set_date_val</code> <code>DWD_rtc_get_date_val</code> <code>DWD_rtc_set_time_val</code> <code>DWD_rtc_get_time_val</code> <code>DWD_rtc_set_event_datetime</code> <code>DWD_rtc_get_event_datetime</code> <code>DWD_rtc_clear_event_datetime</code> <code>DWD_bl_set_backlight</code>
Updated function (with interface changes):	N/A

Updated or corrected function:	N/A
Deleted function:	DWDIO_set_CharDelay DWD_get_error_status DWD_get_pc_id
Renamed function:	N/A

Version:	11.1
Release date:	20.06.2005
General information:	Minor bug fix added to an internal function (bool are_we_ready_to_store_dynamic). There was added a “;” in the end of an “if” sentence, which is a failure.
New Function:	N/A
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	11.0
Release date:	07.06.2005
General information:	The function DWD_set_com_port is corrected with a small update, so you are able to toggle between two comport running in a loop. The function DWD_program_pers_code is updated with a 15 sec timeout delay. The function DWD_btd_store_device is updated to write on the fly to target when storing a new device name. The function DWD_btd_get_mode and DWD_btd_store_mode is updated to operate only on Bit5 in this eep_dynamic.bt_parms.bt_settings parm . DWD_btd_store_mode is also updated to write on the fly to target when storing a new mode.
New Function:	DWD_ee_generic DWD_ee_generic_timeout_delay
Updated function (with interface changes):	N/A
Updated or corrected function:	
Deleted function:	N/A
Renamed function:	N/A

Version:	10.0
Release date:	21.04.2005

General information:	Function to reading picture from target in a fast way is added. The function DWD_receive_irda_data_v2 is updated internally. It's the order of sending data to target there are changed, since there was a byte alignment problem on the target side. The old order was the following: Funccode, pattern, timeout, baud rate. The new order is the following: Funccode, pattern, baud rate, timeout.
New Function:	DWD_get_gdd_data_stream
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_receive_irda_data_v2
Deleted function:	N/A
Renamed function:	N/A

Version:	9.9
Release date:	08.04.2005
General information:	DWD_close_com_port is updates to clear the allocated memory where dynamic EEPROM mirror was stored. The same behavior is there also for static EEPROM mirror.
New Function:	- DWD_btd_setup_pcm_loopback - DWD_btd_check_host_interface - DWD_btd_check_pcm_interface - DWD_btd_get_mode - DWD_btd_store_mode
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_close_com_port
Deleted function:	N/A
Renamed function:	N/A

Version:	9.8
Release date:	22.03.2005
General information:	Dynamic handling of EEPROM are now made as the same way as the static EEPROM.. New functions to test 64bit keyboard and new functions to Bluetooth testing added.

	DWD_btd_store_tx_power_offset and DWD_btd_get_tx_power is updated to operation only on bit: 0000XX00
New Function:	• DWD_btd_get_device_name • DWD_store_device_name • DWD_send_irda_data_v2 • DWD_receive_irda_data_v2 • DWD_get_irda_test_result • DWD_get_dynamic_parm_xx • DWD_store_dynamic_parm_xx • DWD_store_to_dynamic_nv_memory • DWD_set_keypad_reference_matrix_64 • DWD_poll_keyboard_result_64bit • DWD_btd_enter_rf_test_mode • DWD_btd_sw_reset • DWD_get_current_key_matrix_64bit • DWD_get_keypad_reference_matrix_64 • DWD_check_for_ptest
Updated function (with interface changes):	• DWD_use_eep_archive
Updated or corrected function:	• DWD_start_extern_poly_ringer • DWD_btd_store_tx_power_offset • DWD_btd_get_tx_power_offset
Deleted function:	N/A
Renamed function:	N/A

Version:	9.7
Release date:	24.02.2005
General information:	New Bluetooth production function added and a new function to support Gain setting for new RF chip set.
New Function:	• DWD_btd_get_address • DWD_btd_store_address • DWD_btd_get_tx_power_offset • DWD_btd_store_tx_power_offset • DWD_btd_get_baud_rate • DWD_btd_store_baud_rate • DWD_set_rf_gain_v2
Updated function (with interface changes):	• DWD_led_on • DWD_led_off • DWD_rf_present

Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	9.6
Release date:	27.01.2005
General information:	New dwdio.dll release where new functions build on top of GDD generic function is added to support camera test in production, using the new interface. New variant is also created (Apac5, Apac6, Apac7 and Apac8)
New Function:	• DWD_vibrator_on • DWD_vibrator_off • DWD_gdd_cam_enable • DWD_gdd_cam_disable • DWD_gdd_cam_capture • DWD_gdd_set_cam_compression • DWD_gdd_set_cam_brightness • DWD_gdd_get_cam_brightness_limits • DWD_gdd_set_cam_antiflicker_mode • DWD_gdd_set_cam_twilight_mode • DWD_gdd_set_cam_image_format • DWD_gdd_set_cam_contrast • DWD_gdd_get_cam_contrast_limits • DWD_gdd_read_llc_register • DWD_gdd_write_llc_register • DWD_set_lcd_contrast_v2 • DWD_get_lcd_contrast_limits • DWD_lcd_test_image_v2 • DWD_lcd_set_pixel • DWD_led_on • DWD_led_off • DWD_gtl_generic • DWD_gtl_generic_timeout_delay
Updated function (with interface changes):	N/A
Updated or corrected function:	Some compiler warning removed from the following functions: • DWD_ffs_generic_timeout_delay • DWD_put_jpeg_picture • DWD_store_sub_lcd_contrast • DWD_get_bb_version_revision

	• DWD_get_sec_version • DWD_set_com_port • DWD_store_to_nv_memory • DWD_set_baud_rate • DWD_get_picture • DWD_store_sub_lcd_contrast • DWD_start_intern_poly_ringer • DWD_stop_intern_poly_ringer • DWD_start_extern_poly_ringer • DWD_stop_extern_poly_ringer • DWD_usb_attach_status
Deleted function:	N/A
Renamed function:	N/A

Version:	9.5
Release date:	07.12.2004
General information:	New dwdio.dll release where new functions to audio and key test added. With this release is it now possible to change current path, so it possible to e.g. have the EEP cfg file in another directory.
New function:	• DWD_extern_flip_key_simulation • DWD_extern_longkeypress • DWD_start_extern_poly_ringer • DWD_stop_extern_poly_ringer • DWD_start_intern_poly_ringer • DWD_stop_intern_poly_ringer • DWD_usb_attach_status (This function is not verified yet) • DWD_set_audio_downlink_path • DWD_set_audio_uplink_path • DWD_update_audio_path • DWD_send_atcpwroff • DWD_send_atcfun_startup_cmd • DWD_get_bb_version_revision • Current_directory • Set_current_directory
Updated function (with interface changes):	• DWD_features_present
Updated or corrected function:	• DWD_non_sig_set_calib_parm
Deleted function:	• DWD_stop_test_image
Renamed function:	• DWD_start_test_image (renamed to DWD_lcd_test_image)

Version:	9.4
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Release date:	21.10.2004
General information:	New dwdio.dll release where function to RX calibration function to the OneSecond Calibration concept is added.
New function:	• DWD_set_afc_v2 (Added to BP2 platform). • DWD_mmci_hw_check (Used to verify connection to MMC Card). • DWD_get_handle_for_com_port(unsigned char comport) • DWD_change_pa_level_v2() • DWD_osc_set_rx_calib_channel(). • DWD_osc_set_rx_calib_gain(). • DWD_osc_get_rx_afc_calib_status(). • DWD_osc_get_rx_afc_calib_result(). • DWD_osc_get_rx_afc_calib_data(). • DWD_interrupt_requested_mail().
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_set_rf_mode: Updated to support one new mode. DWD_store_imei. (Response time increased to 10 second) DWD_mmci_generic. (Updated to call DWD_mmci_generic_timeout_delay instead DWD_ffs_generic_timeout_delay).
Deleted function:	DWD_set_audio_loop DWD_clear_audio_loop
Renamed function:	DWD_inl_set_tx_calib_channel() changed to DWD_osc_set_tx_calib_channel. DWD_inl_set_tx_calib_power_levels() changed to DWD_osc_set_tx_calib_power_levels.

Version:	9.3
Release date:	01.09.2004
General information:	Security enhancement added. Many functions are changed to support DWDIO_SetTimeOutDelay. A list of the involved function can be found in the production_test_pc_dll_v7.3.doc in chapter 14.
New function:	• DWD_aud_generic_timeout_delay • DWD_xbandselect (Not verified yet) • DWD_bandquery (Not verified yet) • DWD_inl_set_tx_calib_channel • DWD_inl_set_tx_calib_power_levels • DWDIO_SetTimeOutDelay • DWDIO_GetTimeOutDelay • DWDIO_ResetTimeOutDelay
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_set_rf_mode: Updated to support two new modes.
Deleted function:	N/A
Renamed function:	N/A

Version:	9.2
Release date:	14.07.2004
General information:	New compiler introduced (Borland C++ Builder version 6.0) Security enhancement added.
New function:	• DWD_gtb_generic_timeout_delay • DWD_led_generic • DWD_led_generic_timeout_delay • DWD_get_ComWindowsHandle • DWD_get_status • DWD_set_status • DWD_use_eep_archive
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	9.1
Release date:	03.06.2004
General information:	New dwdio.dll release where function to GPRS testing are added.
New function:	- DWD_sig_poll_gprs_attached() - DWD_sig_gprs_attach_req() - DWD_non_sig_set_calib_parm() - DWD_fs_generic() - DWD_fs_generic_timeout_delay()
Updated function (with interface changes):	N/A
Updated or corrected function:	- DWD_get_parm_xx. - DWD_store_parm_xx.
Deleted function:	N/A
Renamed function:	N/A

Version:	9.0
Release date:	30.04.2004
General information:	Until know two dwdio.dll mirrors has been maintained for each DUT connected and where used as follow: 1: All get commands was refereeing to the mirror holding the original data read out from the DUT.

	2: All store commands was refereeing to the mirror holding the updated value which will be send to the DUT, when calling the function DWD_store_to_nv_memory. This has been changed now, so both commands “Get” & “Store”# refereeing to the same mirror.
New function:	DWD_get_dll_id_no DWD_ftl_generic DWD_ftl_generic_timeout_delay DWD_nand_generic DWD_nand_generic_timeout_delay
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_get_adc, DWD_get_adc_v2 DWD_get_afc DWD_get_audio_parms DWD_get_config DWD_get_customer_parms DWD_get_edge_pa_ch_comp DWD_get_edge_pa_ch_comp_boundary DWD_get_edge_pa_temp_comp DWD_get_edge_pa_timing_offset DWD_get_gmsk_pa_ch_comp DWD_get_gmsk_pa_ch_comp_boundary DWD_get_gmsk_pa_temp_comp DWD_get_lcd_contrast DWD_get_lcd_contrast_sub_display DWD_get_max_pa_ch_comp DWD_get_pa_offset DWD_get_pa_timing_offset DWD_get_pmb_temp_offset DWD_get_pn_number DWD_get_production_date DWD_get_rxlev_ch_comp_offset DWD_get_rxlev_gain_offset DWD_get_rxlev_tmp_comp DWD_get_serial_number DWD_get_testseries_id DWD_get_test_station_parms DWD_get_vhome_offset
Deleted function:	N/A
Renamed function:	N/A

Version:	8.9
Release date:	19.04.2004
General information:	New dwdio.dll release THIS RELEASE ARE USING A NEW UPDATES OF THE COMPORT COMPONENT (4.06)
New function:	DWD_get_gmsk_pa_ch_comp_boundary(); DWD_get_edge_pa_ch_comp_boundary(); DWD_switch_vibrator_on_continus(); DWD_get_trap_version(); DWD_start_melody_tune_hp();
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	DWD_get_additional_version_info. DWD_clear_rxlev_aq DWD_configure_rxlev_aq DWD_external_ll_trace_graph_draw DWD_external_ll_trace_rx_indicator DWD_get_ch_array DWD_get_equip_threshold DWD_get_hw_version_string DWD_get_mslog DWD_get_rxlev_aq DWD_handle_graph_mail DWD_init_graph_data DWD_measure_equip_threshold DWD_nv_generic DWD_start_ll_trace DWD_stop_ll_trace DWD_stop_rxlev_aq DWD_store_equip_threshold DWD_store_hw_version_string DWD_store_sp_lock
Renamed function:	N/A

Version:	8.8
Release date:	08.03.2004
General information:	New dwdio.dll release
New function:	DWD_get_on_key_status(); DWD_bluetooth_generic(); DWD_bluetooth_generic_timeout_delay(); DWD_get_adc_v2(); DWD_store_adc_v2();

	DWD_store_adc_direct_v2(); DWD_get_instantaneous_load(); DWD_util_generic(); DWD_util_generic_timeout_delay();
Updated function (with interface changes):	DWD_meas_all_adc_v2: The structure "dwd_adc_meas_v2_type" is updated with "accid_adc_value". - DWD_meas_all_adc_direct_v2. The structure "dwd_adc_meas_v2_type" is updated with "accid_adc_value".
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	8.7
Release date:	29.01.2004
General information:	The dwdat.dll is now loaded dynamic instead of static. (It not all DWDIO.DLL variants there use this extra DLL) The typedef enum "dwd_loopback_mode_type" is updated with two more entry point (dwd_loopback_asym_burst_by_burst and dwd_loopback_tx_mixed). Important note: This interface changed there was made in dwdio.dll v8.3 for the functions DWD_meas_all_adc and DWD_meas_all_adc_direct is now changed back as it was before dwdio.dll version 8.3. If you want to use these functions with the new interface then use DWD_meas_all_adc_v2 or DWD_meas_all_adc_direct_v2 instead.
New function:	DWD_get_lcd_contrast_sub_display(); DWD_store_sub_lcd_contrast(); DWD_Get_DLL_Handle(); DWD_meas_all_adc_v2(); DWD_meas_all_adc_direct_v2();
Updated function (with interface changes):	DWD_meas_all_adc_direct(): Curr removed. DWD_meas_all_adc(): curr removed from the input structure "dwd_adc_meas_type" DWD_wrk_start_ptm(): tx_mix_control_cs and tx_mix_any_other_cs added to the input interface.
Updated or corrected function:	DWD_set_volumestep(): Changed to handle value from 0 -> 11 DWD_program_pers_code(): The RX timeout is increased from 2.5 -> 5 second.
Deleted function:	N/A
Renamed function:	N/A

Version:	8.6
Release date:	10.12.2003
General information:	N/A
New function:	DWD_fwval_setup_adjust_mode();

	DWD_mmci_generic(); DWD_mmci_generic_timeout_delay(); DWD_rtt_generic(); DWD_set_ums_fdd_test_mode(); DWD_send_ums_fdd_coprocessor_cmd();
Updated function (with interface changes):	DWD_wrk_start_rach(); Updated with new input parameters (bsic and rach type). DWD_wrk_start_ptm(); Updated with new input parameter (loopback_mode). DWD_get_eep_info(); Updated the structure “dwd_get_eep_info_type” with eep revision.
Updated or corrected function:	DWD_set_ms_baudrate(); Updated to support 230400 and 460800 bps DWD_pow_management_generic_func(); DWD_acc_generic(); DWD_afr_generic(); DWD_aud_generic(); DWD_cam_generic(); DWD_chr_generic(); DWD_ffs_generic(); DWD_sec_generic_timeout_delay(); DWD_monitor_pin_generic(); Modified to check for number of received bytes not are higher than 200 bytes, which is the maximum rx buffer size.
Deleted function:	N/A
Renamed function:	N/A

Version:	8.5
Release date:	21.10.2003
General information:	N/A
New function:	DWD_vib_generic DWD_acc_generic DWD_get_edge_power_ramp
Updated function (with interface changes):	DWD_led_set_colorstream (Interface changed to handle total_time and on_time for each color)
Updated or corrected function:	N/A
Deleted function:	DWD_store_wap_settings DWD_store_selected_logo DWD_store_selected_logo_ext DWD_store_language_selection DWD_get_wap_settings DWD_reset_wap_settings DWD_store_greeting DWD_get_greeting DWD_get_selected_logo DWD_store_custom_setting DWD_get_custom_setting DWD_master_custom_reset DWD_get_sp_test_approval_string DWD_store_sp_test_approval_string DWD_get_language

Renamed function:	N/A

Version:	8.4
Release date:	03.10.2003
General information:	N/A
New function:	DWD_sim_generic DWD_gdd_generic DWD_get_ffs_revision
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_ffs_generic DWD_ffs_generic_timeout_delay DWD_put_jpeg_picture These three functions are updated to solve a potential problem if there are many 'CR' chars in the data TX buffer (data send to target).
Deleted function:	N/A
Renamed function:	N/A

Version:	8.3
Release date:	05.09.2003
General information:	Support new dwdio.dll variant added
New function:	DWD_sec_generic DWD_sec_generic_timeout_delay DWD_pow_management_generic_func DWD_led_set_photolight DWD_monitor_pin_generic
Updated function (with interface changes):	DWD_meas_all_adc_direct (new parameter added) DWD_meas_all_adc (new parameter added in the struct dwd_adc_meas_type). DWD_wrk_start_tch (txpwr removed, new parameter amr_config and audio_enable added) DWD_wrk_start_idle (Updated with new parameter txpwr)
Updated or corrected function:	DWD_receive_irda_data(Updated so the function not will timeout after 2 seconds if the timeout is set to a higher value
Deleted function:	N/A
Renamed function:	N/A

Version:	8.2
Release date:	15.07.2003
General information:	N/A
New function:	DWD_get_hasp_id

	DWD_dump_static_wchksum DWD_store_to_nv_wchksum DWD_user_command_timeout
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	8.1
Release date:	07.07.2003
General information:	N/A
New function:	DWD_get_ffs_version DWD_baseband_present DWD_rf_present
Updated function (with interface changes):	
Updated or corrected function:	DWD_enter_irda_test_mode DWD_exit_irda_test_mode DWD_send_irda_data
Deleted function:	DWD_irda_set_baud_rate
Renamed function:	N/A

Version:	8.0
Release date:	23.06.2003
General information:	N/A
New function:	DWD_get_edge_pa_dac16_range(). DWD_chr_generic(). DWD_gtb_generic(). DWD_get_audio_data().
Updated function (with interface changes):	Input parms to DWD_start_melody_tune changed (Tune changed from unsigned char to unsigned int16). DWD_send_at_command function changed with new input parm "wait_for_char".
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

Version:	7.9
Release date:	11.06.2004

General information:	N/A
New function:	DWD_get_edge_pa_timing_offset(); DWD_store_edge_pa_timing_offset(); DWD_get_edge_pa_ch_comp(); DWD_store_edge_pa_ch_comp(); DWD_get_gmsk_pa_ch_comp(); DWD_store_gmsk_pa_ch_comp(); DWD_get_edge_pa_temp_comp(); DWD_store_edge_pa_temp_comp(); DWD_get_gmsk_pa_temp_comp(); DWD_store_gmsk_pa_temp_comp(); DWD_set_edge_pa_ch_comp(); DWD_set_gmsk_pa_ch_comp(); DWD_led_set_colorstream(); DWD_led_changed_intensity(); DWD_send_dsp_cmd(); (There are some known problems with this function).
Updated function (with interface changes):	N/A
Updated or corrected function:	DWD_get_afc(); DWD_get_adc(); DWD_store_audio_parms(); DWD_get_audio_parms(); DWD_get_pa_offset(); DWD_store_pa_offset(); DWD_store_vhome_offset(); DWD_store_pa_timing_offset(); DWD_store_rxlev_gain_offset(); DWD_get_rxlev_gain_offset(); DWD_store_rxlev_ch_comp_offset(); DWD_get_rxlev_ch_comp_offset(); DWD_store_test_station_parms(); DWD_get_test_station_parms(); DWD_get_lcd_contrast(); DWD_store_lcd_contrast(); DWD_store_production_date(); DWD_get_production_date(); DWD_get_customer_parms(); DWD_get_equip_threshold(); DWD_store_equip_threshold(); DWD_get_pmb_temp_offset(); DWD_store_pmb_temp_offset(); DWD_get_rxlev_tmp_comp(); DWD_store_rxlev_tmp_comp(); DWD_store_selected_logo_ext(); DWD_reset_wap_settings(); DWD_master_custom_reset();
Deleted function:	N/A

Renamed function:	N/A
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Version:	7.8
Release date:	08.05
General information:	N/A
New function:	DWD_get_picture DWD_put_jpeg_picture DWD_sec_user_cmd
Updated function (with interface changes):	N/A
Updated or corrected function:	N/A
Deleted function:	N/A
Renamed function:	N/A

