

Release Notes for SPD1177 Standard Peripherals Library Drivers

V12.0.4/ 17- February -2025

Main Changes

1. Bug Fix

2. Other Change

- spd1177_hv.c
 - Modify HV_Reset()
- lin_stack/src/lin_ild_uart.c
 - Add HV_Reset() in lin_ild_uart_init()
- Project / 0_Examples
 - Add HV_Reset() in all HV examples

V12.0.3/ 14- February -2025**Main Changes****1. Bug Fix**

- epwr.h
 - Add definition EPWR_COMMUNICATION_MAX_RETRY_CNT
- epwr.c
 - Modify EPWR_ComSpeedInit()
 - Modify EPWR_GetID()
 - Modify EPWR_WriteRegister()
 - Modify EPWR_WriteRegisterField()
 - Modify EPWR_ReadRegister()
 - Modify EPWR_ResetRegister()
 - Modify EPWR_FeedWatchdog()
- spd1177_hv.h
 - Modify definition EPWR_COM_SPEED
 - Add HV_Reset()
- spd1177_hv.c
 - Add HV_GetTrimInfo()
 - Modify HV_Init()
 - Modify HV_InitRegister()
 - Add HV_Reset()

2. Other Change

V11.0.2/ 24- January -2025**Main Changes****1. Bug Fix****2. Other Change**

- i2c.c
 - Modify all interface
- i2c.h
 - Modify note of I2C_SetSDAHoldCount() and I2C_GetSDAHoldCount()
- spd1177_hv.c
 - Modify HV_Init ()
 - Modify HV_InitRegister()
- IDE_Support
 - Add SPC1169_RDN.FLM
- Project / 0_Examples
 - Delete 27_1_I2C_Slave_Bulk_Polling_TxRx
 - Delete 27_1_I2C_Master_Bulk_Polling_TxRx
 - Modify 27_3_I2C_Slave_INT_TxRx
 - Modify 27_3_I2C_Master_INT_TxRx
 - Modify 27_2_I2C_Slave_Polling_TxRx
 - Modify 27_2_I2C_Master_Polling_TxRx
 - Modify 8_5_PWM_TriPhase_Waveform
 - Modify 8_6_PWM_Software_Global_SYNC
 - Modify 8_7_PWM_Software_Group_SYNC
 - Modify 8_8_PWM_GPIO_SYNC
 - Modify 8_9_PWM_Timer_SYNC
 - Modify 8_10_PWM_TBCNT_0_SYNC_and_Signal_Observe
 - Modify 24_1_LIN_Slave_RX
 - Modify 24_2_LIN_Slave_TX
 - Add 26_3_CAN_Int_TX
 - Add 26_3_CAN_Int_RX
- Project / 1_Application
 - Modify IAP_UART
 - Modify IAP_LIN
 - Modify AT24C02_EEPROM

V10.0.1/ 3- December -2024**Main Changes****1. Bug Fix**

- spd1177_hv.c
 - Modify HV_InitRegister()
- Project / 0_Examples
 - Modify 19_4_System_Stop_Wakeup
 - Modify 19_5_System_Sleep_Wakeup

2. Other Change

- system.c/.h
 - Modify SYSTEM_SetStopWakeUpByGPIO(), SYSTEM_SetSleepWakeUpByGPIO()
- pin.c/.h
 - Modify PIN_ResetAllPin()
 - Modify note of PIN_OutStrengthEnum, PIN_SetOutStrength()
- clock.c
 - Modify CLOCK_Init(), CLOCK_InitWithXO(), CLOCK_InitWithRCO()
- spi.c/.h
 - Delete SPI_Send(), SPI_Receive(), SPI_MasterTransceive(), SPI_MasterB2BTransceive(), SPI_SlaveTransceive()
 - Add SPI_FullDuplexTransceive(), SPI_HalfDuplexTx(), SPI_HalfDuplexRx()
- gpio.c/.h
 - Add GPIO_SetOpenDrainOutputHigh(), GPIO_SetOpenDrainOutputLow()
- pwm.c/.h
 - Modify PWM_InitComplementaryPairChannel(), PWM_InitSingleChannel()
 - Modify PWM_GetClockDiv()
- hwlib.h
 - Modify note of SYSTEM_Sleep(), SYSTEM_Stop()
- spd1177.h
 - Modify definition
- lin_stack/src/lin_lld_uart.c
 - Modify definition
- spd1177_hv.h
 - Modify IS_HV_REG()
- Project / 0_Examples
 - Modify definition
 - Modify 8_1_PWM_Single_Output_With_Up_Counting_Mode
 - Modify 8_2_PWM_Single_Output_With_Down_Counting_Mode
 - Modify 8_3_PWM_Single_Output_With_Up_Down_Counting_Mode
 - Modify 8_4_PWM_Complementary_Pair_Channel
 - Modify 8_5_PWM_TriPhase_Waveform
 - Modify 8_6_PWM_Software_Global_SYNC
 - Modify 8_7_PWM_Software_Group_SYNC

- Modify 8_8_PWM_GPIO_SYNC
- Modify 8_9_PWM_Timer_SYNC
- Modify 8_10_PWM_TBCNT_0_SYNC_and_Signal_Observe
- Modify 8_11_PWM_Trigger_ADC_Sample_and_Signal_Observe
- Modify 8_12_PWM_GPIO_Trigger_TZ
- Modify 8_13_PWM_Current_Protect_Trigger_TZ
- Modify 8_14_PWM_ADC_PPU_Trigger_TZ
- Modify 9_1_ECAP_Continue_Absolute
- Modify 9_2_ECAP_Continue_Delta
- Modify 9_3_ECAP_Oneshot_Absolute
- Modify 9_5_ECAP_Continue_Absolute_Dual_Pin
- Modify 13_1_BEMF_Comparator
- Delete 17_1_SPI_Master_B2B_TxRx_Polling
- Delete 17_1_SPI_Slave_B2B_TxRx_Polling
- Modify 17_2_SPI_Master_TxRx_Polling
- Modify 17_2_SPI_Slave_TxRx_Polling
- Modify 17_3_SPI_Master_TxRx_Int
- Modify 17_3_SPI_Slave_TxRx_Int
- Modify 18_5_Flash_With_ISR_In_RAM
- Modify 23_1_Predriver_Operation
- Modify 23_3_Predriver_VDS_Monitor_Trigger_TZ
- Modify 23_4_Predriver_Strength_Optimize
- Modify 23_5_Predriver_Propagation_Delay
- Modify 23_6_Predriver_VBAT_UVOV_Trigger_TZ
- Modify 23_7_Predriver_LIN_TX_Timeout_Trigger_TZ
- Modify 23_8_Predriver_VDD5_OV_Trigger_TZ
- Add 23_9_Predriver_VBATCP_UVOV_Trigger_TZ
- Modify 23_10_Predriver_PMUCLKERR_Trigger_TZ
- Modify 23_11_Predriver_PMUOT_Trigger_TZ
- Project / 1_Application
 - Modify definition
 - Add IAP_CAN
 - Modify EEPROM_Data_Storage_Upon_VBAT_UV_Event
 - Modify MEEPROM_Data_Storage_Upon_VBAT_UV_Event
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V9.0.0/ 14- November -2024

Main Changes

- Created, V9 was based on core SPC1169

