

## Release Notes for SPD1179B 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\_lld\_uart.c
  - Add HV\_Reset() in lin\_lld\_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

