



```

CarApp
Car_Status_t Car_init(void);
Car_Status_t Car_update(void);
  
```

```

Motor
Mtr_Status_t Mtr_init(void);
Mtr_Status_t Mtr_Run(u8Mtr_channel_t u8_MtrNum,
u8Mtr_direction_t u8_direction, u8Mtr_Spd_t u8_speed);
  
```

```

Button
Bttn_Status_t Bttn_init(void);
Bttn_Status_t Bttn_getState(u8Bttn_channel_t u8_BttnNum,
u8Bttn_State_t *pu8_state);
Bttn_Status_t Bttn_update(u8Bttn_channel_t u8_BttnNum,
u8Bttn_State_t *pu8_state);
  
```

```

DIO
Dio_Status_t Dio_init(strDio_channelConfig_t *strDio_channels);
Dio_Status_t Dio_setPin(u8Dio_pinNum_t u8_pinNum);
Dio_Status_t Dio_clearPin(u8Dio_pinNum_t u8_pinNum);
Dio_Status_t Dio_togglePin(u8Dio_pinNum_t u8_pinNum);
Dio_Status_t Dio_readPin(u8Dio_pinNum_t u8_pinNum,
u8Dio_pinState_t *pu8_pinState);
  
```

```

Timers
Gpt_Status_t Gpt_init(strGpt_channelConfig_t *strGpt_channels);
Gpt_Status_t Gpt_Start(u8Gpt_channel_t u8_channelNum,
u32Gpt_value_t u32_value);
Gpt_Status_t Gpt_Stop(u8Gpt_channel_t u8_channelNum);
Gpt_Status_t Gpt_getValue(u8Gpt_channel_t u8_channelNum,
u32Gpt_value_t *pu32_value);
  
```

```

Pwm
Pwm_Status_t Pwm_init(strPwm_channelConfig_t *strPwm_channels);
Pwm_Status_t Pwm_Start(u8Pwm_channel_t u8_channelNum,
u32Pwm_freq_t u32_freq, u8Pwm_DC_t u8_DC);
Pwm_Status_t Pwm_Stop(u8Pwm_channel_t u8_channelNum);
  
```