



#### 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);
```