

faro_can_sdk_receive_sample.c

This document build base on faro_can_sdk_receive_sample.c function:

-h --help description

command	Value(First)	Value(Second)
-h	N/A	N/A
Description: Showing functions list description		
Syntax: sudo ./bin/faro_can_sdk_receive_sample -p <UART Device> -h		
Example : sudo ./bin/faro_can_sdk_receive_sample -p /dev/ttyUSB0 -h		
Receive: functions list description		

-s--scan port

Command	Value(First)	Value(Second)
-s	N/A	N/A
Description : Scan available Com Port in computer.		
Example : sudo ./bin/faro_can_sdk_receive_sample -p /dev/ttyUSB0 -s		
Receive: /dev/ttyUSB1 /dev/ttyUSB0		

-p – open port

Command	Value(First)	Value(Second)
-p	Port name	N/A
Description: Set comport. Using Seliconlab comport, port name will be “ttyUSBx” Syntax: sudo ./bin/faro_can_sdk_receive_sample -p <UART Device> <UART Device> Seliconlab comport, port name will be “ttyUSBx”		
Example sudo ./bin/faro_can_sdk_receive_sample -p /dev/ttyUSB0		

-d-- deinit time

Command	Value(First)	Value(Second)
-d	Program run time(seconds)	N/A
Description: Set Demo program running time. If not set this command, Demo program will be set default time in 30 seconds, when running time out, demo program will stop and exit automatically. If set value is -1, then demo program will not stop, until user using “ctrl-c”to manure stop demo program. Syntax: sudo ./bin/faro_can_sdk_receive_sample -p <UART Device> <DemoAP command> <deinit time> <DemoAP command> <deinit time> Set value for close demo function, unit second. Default value is 30 second. If set value -1, then demo program will not stop, until user using “ctrl-c”to manure stop demo Value : -1 ~ 65535		
Example : sudo ./bin/ faro_can_sdk_receive_sample -p /dev/ttyUSB0 -g -d 40		

Receive:

Firmware version and thread will stop in 40 second.

-g – get firmware version

Command	Value(First)	Value(Second)
-g	N/A	N/A
Description : Get module firmware version.		
Syntax: sudo ./bin/faro_can_sdk_receive_sample -p <UART Device> -g		
Example : sudo ./bin/faro_can_sdk_demo_receive_sample -p /dev/ttyUSB0 -g		
Receive: fw_ver: 04.01.10.20.14		

-c – can config

Command	Value(First)	Value(Second)
-c	Can Port value	Can speed
Description : Set module can speed value.		
Syntax: sudo ./bin/faro_can_sdk_receive_sample -p <UART Device> -c <port> <can speed>		
<port> Set can port 0 : port 0 1 : port 1		
<can speed> Set can speed 0 : 1M 1 : 800K 2 : 500K 3 : 250K		

4 : 200K
5 : 125K
<p>Example :</p> <pre>sudo ./bin/faro_can_sdk_receive_sample -p /dev/ttyUSB0 -c 0 2</pre> <p>Receive :</p> <p>port = 0, speed = 2</p>

-r – Receive Demo

Command	Value(First)	Value(second)
-r	Raw CAN receive.	N/A
description: do Raw Can receive Demo.		
Syntax: sudo ./bin/faro_can_sdk_receive_sample -p <UART Device> -r		
<p>Example :</p> <pre>sudo ./bin/faro_can_sdk_receive_sample -p /dev/ttyUSB0 -r 0</pre> <p>Receive :</p> <p>Receive count = 1, port = 0, ID = 0x000007DF, data = 0x01 0x02 0x03 0x04 0x05 0x06 0x07 0x08</p>		

-t – test cnt

Command	Value(First)	Value(Second)
-t	Set time value	N/A
Description: Set counter for test loop.		
Syntax: sudo ./bin/faro_can_sdk_receive_sample -p <UART Device> <DemoAP command> -t <count>		
<p><DemoAP command></p> <p>Set Demo Option:</p> <p>Value : according -h -- help description</p> <p><count></p> <p>Set Demo or test loop count:</p> <p>Value : counter value</p>		

Example :

```
sudo ./bin/faro_can_sdk_receive_sample -p <UART Device> -g -t 10
```

Receive:

```
get FW count = 1, can_fw_ver: 04.01.10.20.14
get FW count = 2, can_fw_ver: 04.01.10.20.14
get FW count = 3, can_fw_ver: 04.01.10.20.14
get FW count = 4, can_fw_ver: 04.01.10.20.14
get FW count = 5, can_fw_ver: 04.01.10.20.14
get FW count = 6, can_fw_ver: 04.01.10.20.14
get FW count = 7, can_fw_ver: 04.01.10.20.14
get FW count = 8, can_fw_ver: 04.01.10.20.14
get FW count = 9, can_fw_ver: 04.01.10.20.14
get FW count = 10, can_fw_ver: 04.01.10.20.14
```

-v-- SDK version

Command	Value(First)	Value(Second)
-v	N/A	N/A
Description: Get SDK version.		
Syntax sudo ./bin/faro_can_sdk_receive_sample -p <UART Device> -v		
Example : sudo ./bin/faro_can_sdk_receive_sample -p /dev/ttyUSB0 -v		
Receive: Version v5.0.2		

-q – quiet mode

Command	Value(First)	Value(Second)
-q	N/A	N/A
Description : Set DemoAP no receive any data syntax: sudo ./bin/faro_can_sdk_receive_sample -p <UART Device> -q		
Example: sudo ./bin/faro_can_sdk_receive_sample -p /dev/ttyUSB0 -j 0 -q Receive: N/A		