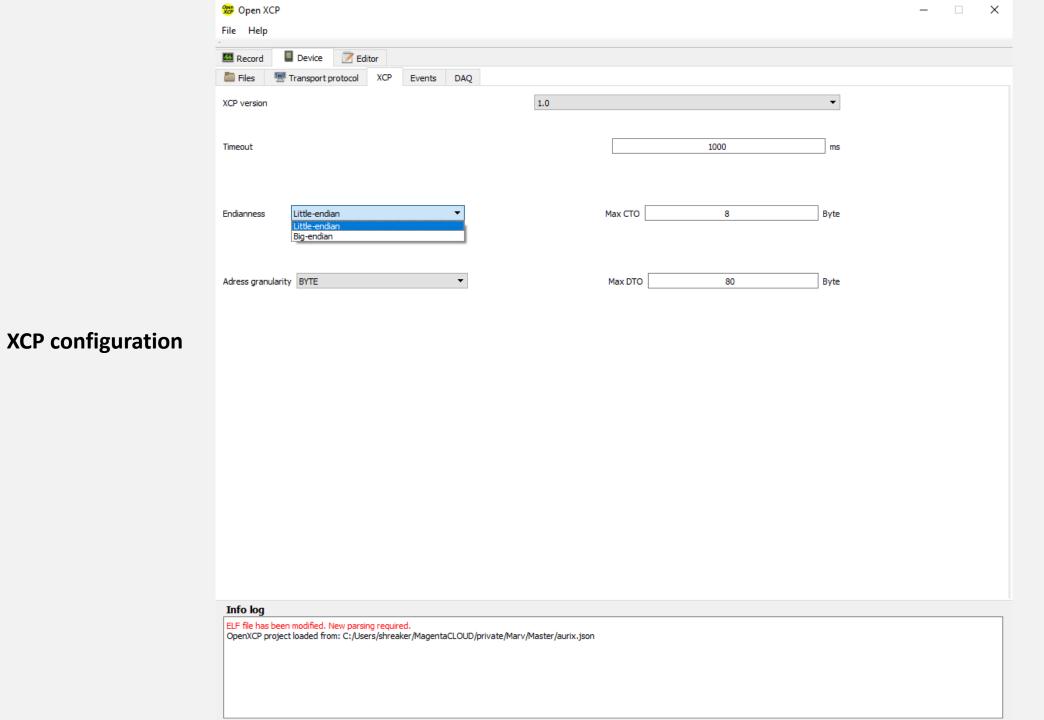
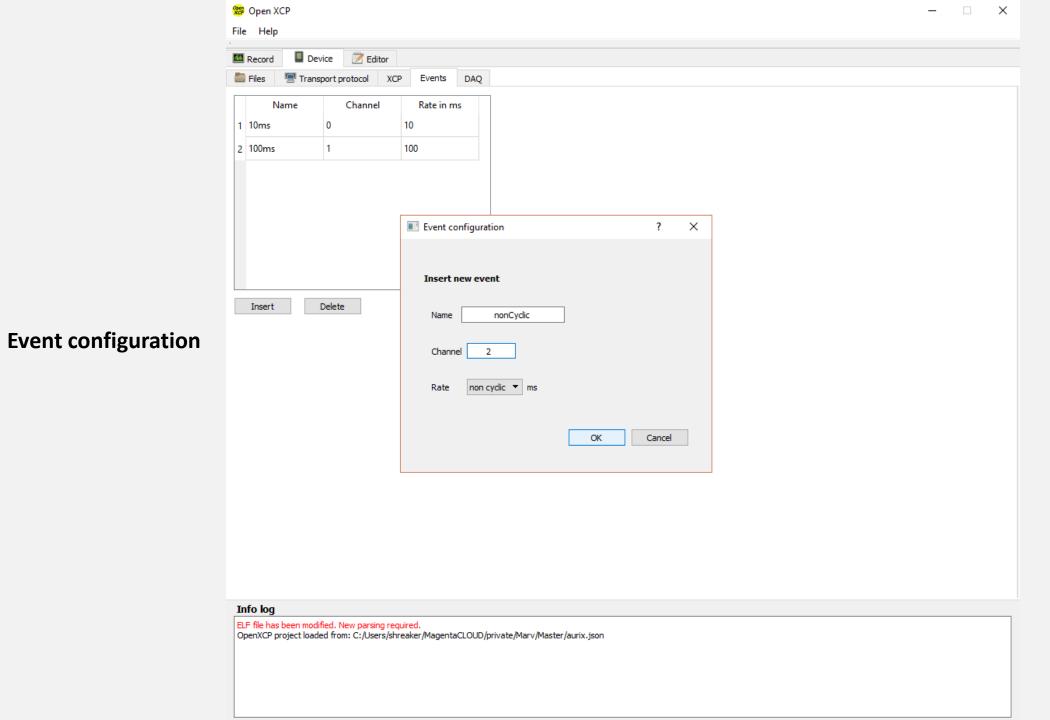
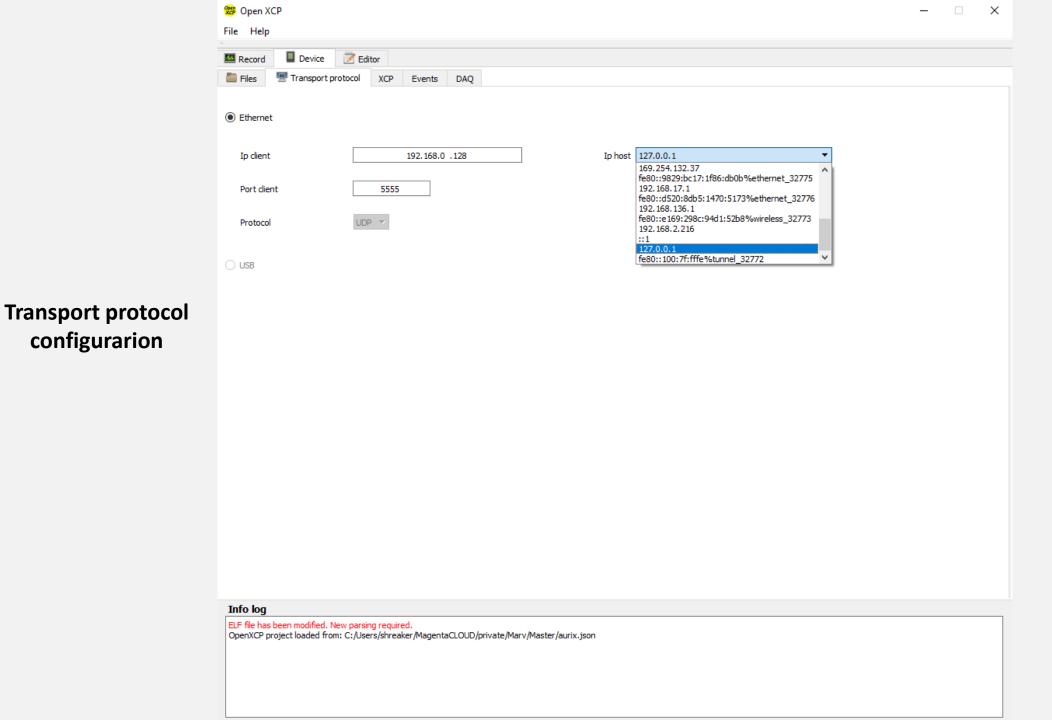
OpenXCP manual

Date: 08.12.2017 Author: Michael Wolf

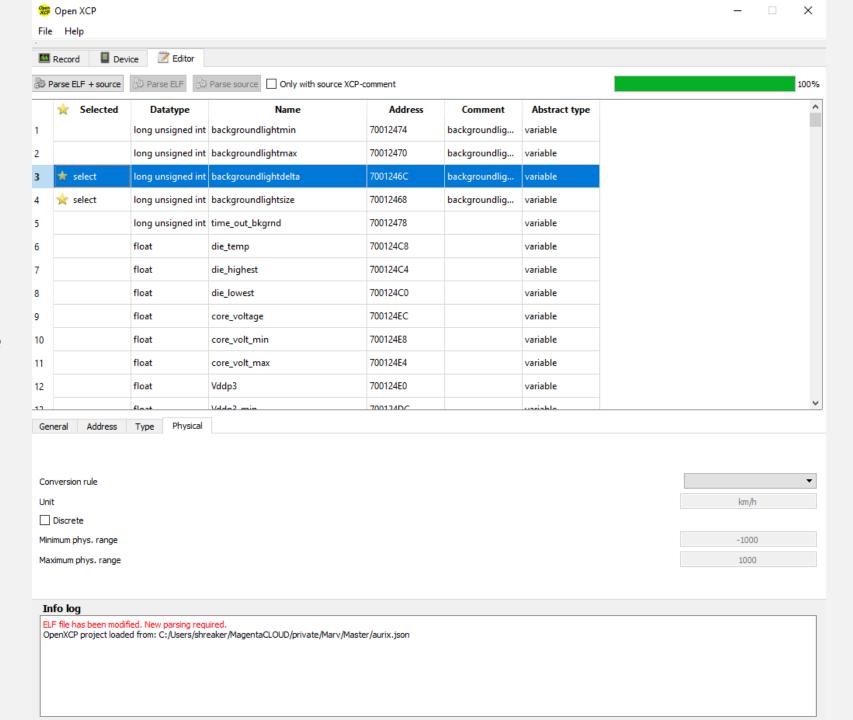




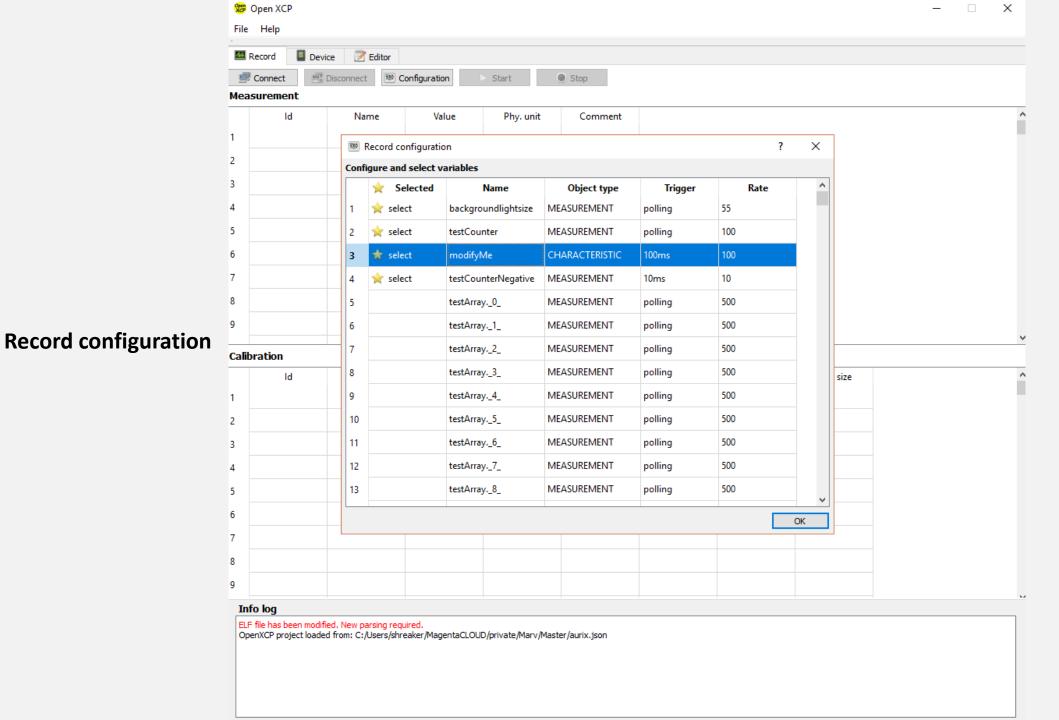


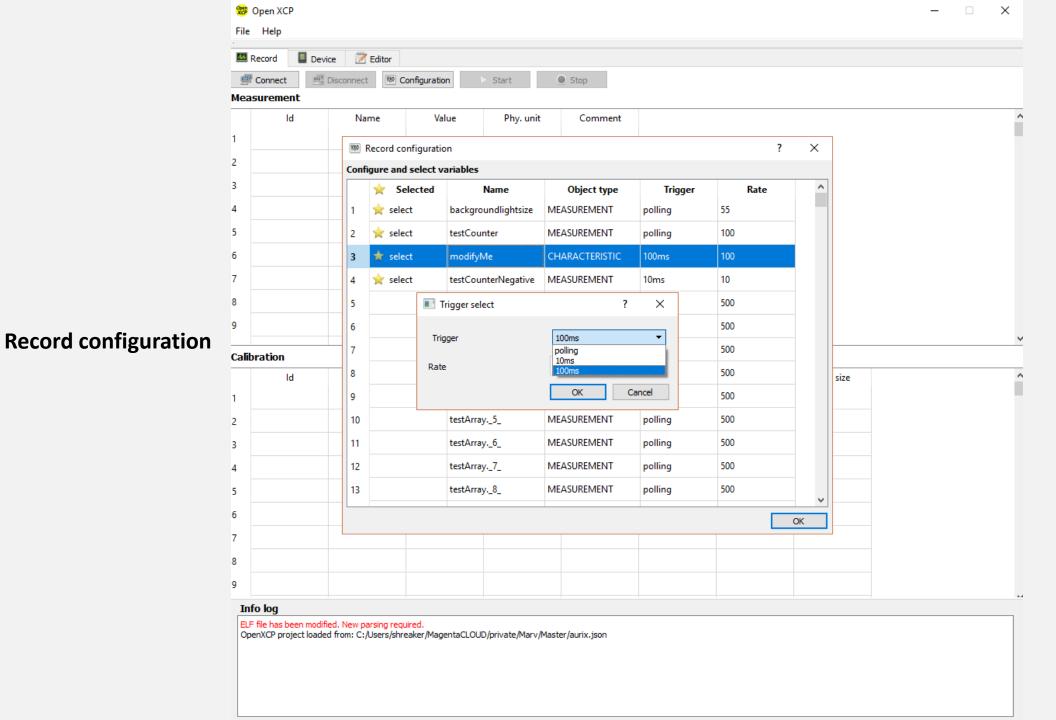


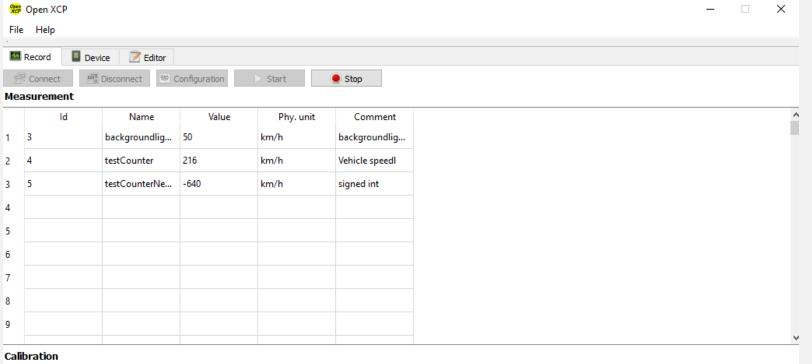
configurarion



Parse ELF + source







Record session

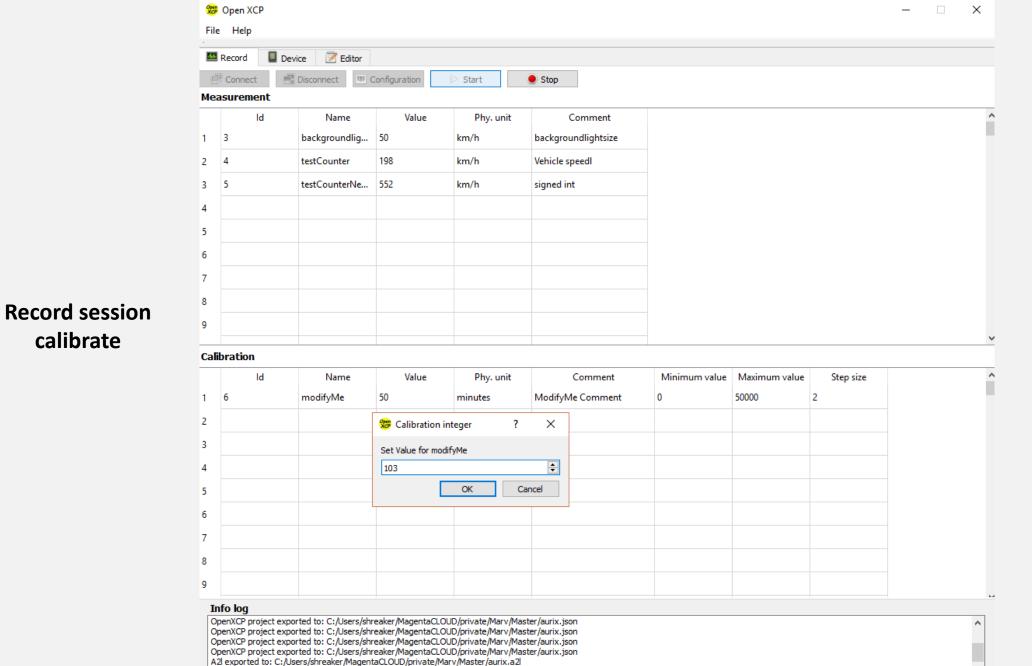
	ld	Name	Value	Phy. unit	Comment	Minimum value	Maximum value	Step size
1	6	modifyMe	50	minutes	ModifyMe Co	0	50000	2
2								
3								
4								
5								
6								
7								
8								
9								

Info log

OpenXCP project exported to: C:/Users/shreaker/MagentaCLOUD/private/Marv/Master/aurix.json
A2l exported to: C:/Users/shreaker/MagentaCLOUD/private/Marv/Master/aurix.a2l
A2l exported to: C:/Users/shreaker/MagentaCLOUD/private/Marv/Master/aurix.a2l
A2l exported to: C:/Users/shreaker/MagentaCLOUD/private/Marv/Master/aurix.a2l

A2| exported to: C:/Users/shreaker/MagentaCLOUD/private/Marv/Master/aurix.a2| A2| exported to: C:/Users/shreaker/MagentaCLOUD/private/Marv/Master/aurix.a2|

| A2| exported to: C:/Users/shreaker/MagentaCLOUD/private/Marv/Master/aurix.a2| | OpenXCP project exported to: C:/Users/shreaker/MagentaCLOUD/private/Marv/Master/aurix.json



A2l exported to: C:/Users/shreaker/MagentaCLOUD/private/Marv/Master/aurix.a2l A2l exported to: C:/Users/shreaker/MagentaCLOUD/private/Marv/Master/aurix.a2l A2l exported to: C:/Users/shreaker/MagentaCLOUD/private/Marv/Master/aurix.a2l A2l exported to: C:/Users/shreaker/MagentaCLOUD/private/Marv/Master/aurix.a2l

OpenXCP project exported to: C:/Users/shreaker/MagentaCLOUD/private/Marv/Master/aurix.json

calibrate

Record CSV example

4	Α	В	С	D	E
1	date	time			
2	08.12.2017	11:40:44			
3					
4	t[s]	modifyMe[minutes]	testCounterNegative[km/h]	testCounter[km/h]	backgroundlightsize[km/h]
5	0.020000		-850		
6	0.030000		-850		
7	0.039000		-850		
8	0.049000		-850		
9	0.059000		-850		
10	0.064000				50
11	0.069000		-850		
12	0.079000		-850		
13	0.089000	103	-850		
14	0.099000		-850		
15	0.104000			62	
16	0.109000		-850		
17	0.120000		-849		
18	0.125000				50
19	0.130000		-849		
20	0.139000		-849		
21	0.149000		-849		
22	0.159000		-849		
23	0.169000		-849		
24	0.179000		-849		
25	0.188000				50
26	0.189000		-849		
27	0.190000	103			
28	0.207000		-849		
29	0.217000		-849		
30	0.225000			62	
31	0.226000		-848		
32	0.234000		-848		
33	0.241000		-848		
34	0.249000				50
35	0.256000		-848		

```
A2L_Example.a2l
841
842
         /* OpenXCP Ethernet */
843
844
         /begin XCP ON UDP IP
845
             0x0100
846
             0x15B3
847
             ADDRESS "192.168.0.128"
848
         /end XCP ON UDP IP
849
850
         /end IF DATA
851
         /begin IF DATA CANAPE ADDRESS UPDATE
852
         /end IF DATA
853
854
         /begin MOD PAR ""
855
         /end MOD PAR
856
857
         /* OpenXCP MEASUREMENT / CHARACTERISTIC */
858
859
         /begin MEASUREMENT backgroundlightmin "backgroundlightmin"
860
             A UINT64 NO COMPU METHOD 0 0 -1000 1000
861
             READ WRITE
862
             ECU ADDRESS 0x70012474
863
             ECU ADDRESS EXTENSION 0x0
             FORMAT "%.15"
864
865
             /begin IF DATA CANAPE EXT
866
                 100
867
                 LINK MAP "backgroundlightmin" 0x70012474 0x0 0 0x0 1 0x0 0x0
868
                 DISPLAY 0 -1000 1000
869
             /end IF DATA
870
             SYMBOL LINK "backgroundlightmin" 0
871
             PHYS UNIT "km/h"
872
         /end MEASUREMENT
```

A2L export example

Project file example (JSON)

```
144
Project_File_Example.json
                                                      162
     ₽{
                                                      178
           "ethernet": {
                                                      179
                                                                  "xcp configuration": {
               "ip client": "192.168.0.128",
                                                      180
                                                                      "DAQ": "dynamic",
               "ip host": "192.168.0.209",
                                                                      "address granularity": "BYTE",
                                                      181
  5
               "port client": 5555,
                                                      182
                                                                      "endian": "Little-endian",
  6
               "protocol": "UDP"
                                                      183
                                                                      "events": [
                                                      184
  8
           "files": {
                                                      185
                                                                              "channel": 0,
 16
           "variables": [
                                                      186
                                                                              "name": "10ms",
 17
                                                      187
                                                                              "rateInMs": 10
 18
                    "DISCRETE": false,
                                                      188
 19
                    "ECU ADDRESS": "0x70012474",
                                                      189
 20
                    "MAX REFRESH": 100,
                                                                              "channel": 1,
                                                      190
 21
                    "PHYS UNIT": "km/h",
                                                      191
                                                                              "name": "100ms",
 22
                    "READ WRITE": true,
                                                      192
                                                                              "rateInMs": 100
 23
                    "XcpType": "MEASUREMENT",
                                                      193
 24
                    "abstract datatype": "variable"
                                                      194
 25
                    "conversion": "",
                                                      195
                                                                      "max CTO": 8,
 26
                    "datatype": "long unsigned int"
                                                      196
                                                                      "max DTO": 80,
                    "long id": "backgroundlightmin"
                                                      197
                                                                      "timeout": 1000,
 28
                    "lower limit": -1000,
                                                      198
                                                                      "transport protocol": "Ethernet",
 29
                    "name": "backgroundlightmin",
                                                      199
                                                                      "xcp version": "1.0"
 30
                    "size": 4,
                                                      200
                    "upper limit": 1000
 31
                                                      201
 32
                                                      202
```