



ELSECSYS
ADVANCED ELETRONIC SOLUTIONS

CPPRO

USER MANUAL



ABOUT

We create a future of customizing cars software by developing high quality tools that let you use your imagination without any limitations. Personalize your car, personalize your future.



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PART A

CPPRO DEVICE – VAG Vehicle 2010-2017 4H/4G/7P Platform COMPONENT PROTECTION SOLUTION

ECU SUPPORTED LIST





v01.043

- The Component protection Programming function is supported by all listed below modules





Prog Num	ECU NAME	Diag Addr	Comp. Prot. Supp. Method	Other Function	Example ECU Picture
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CPPRO DEVICE Supported ECU List







1.	1	GATEWAY 4G/4H/7P LEAR 2010-2018 H01, H03,H04,H05, H08, H10 H11, H12, H13, H14, H15 ALL POSSIBLE HW AND SW VERSION SUPPORTED!!!	19	FULL OBD	Functions: - CompProt - Rd Eep - Replace Gateway (Copy CP Data from one to the other)	
2.	2	BCM1 V1 (9S12) 4G/4H/7P/8k 2010-2017	09	FULL OBD	Functions: CompProt -Rd/Wr Eep	
3		BCM1 V2 (MPC5) 4G/4H/7P/8k 2010-2017		FULL OBD	Functions: CompProt -Rd/Wr Eep -	
4.	3	CLIMATRONIC 4H Continental v1,v2 2010..2017	08	FULL OBD	Functions: CompProt -Rd/Wr Eep -FACTORY RESET	

5	3	CLIMA 4G/ Continental v1,v2, 2010..2018	08	FULL OBD	Functions: -CompProt -Rd/Wr Eep -FACTORY RESET	
6	3	CLIMATRONIC 4G/ Continental v1,v2 2010..2018	08	FULL OBD	Functions: -CompProt -Rd/Wr Eep -FACTORY RESET	
7	3	CLIMATRONIC 7P Continental 2010..2018	08	FULL OBD	Functions: -CompProt -Rd/Wr Eep -FACTORY RESET	
8	4	BCM2 4G/4H/7P/8K 2010-2013 2013-2014 A4/A5/Q5/ A6/A7/A8/TUAREG	46	2010-2013: FULL OBD 2013-2014: DIRECT NEC/OBD – Touch contact Needle BCM BOARD(no need	Functions: -CompProt -Rd/Wr Eep -Key Progr -Copy WFS Data To Other BCM	


				to solder)		
9	5	SEAT MEMORY FRONT R-L, REAR R-L 4H/4G/8K/8R	06 36 48 5B	FULL OBD	Functions: -CompProt -Rd/Wr Eep - FACTORY RESET	
10	16	ACC1/ACC2 4H/4G/7P 2010-2017	13 8B	FULL OBD + FLEXRAY (BY CARNET FLEX ADAPTER)	Functions: -CompProt -Rd/Wr Eep - FACTORY RESET - Module parametrisation	
11	7	GATEWAY 8T0 8K	19	OBD/EEP	- CompProt - Rd/Wr Eep - Replace Gateway (Copy CP Data from one to the other)	
12	17	GATEWAY 8R0 A4/A5/Q3 Lift	19	FULL OBD	- CompProt - Rd/Wr Eep - Replace Gateway (Copy CP Data from one to the other)	

13		GATEWAY 8U0907468 Q3		FULL OBD	- CompProt - Rd/Wr Eep - Replace Gateway (Copy CP Data from one to the other)	
14	8	AIRBAG 4G/4H	15	FULL OBD	Functions: -CompProt -Rd/Wr Eep	
15	9	NIGHTVISION GEN1 4G/4H 2010-2015	84	FULL OBD	Functions: -CompProt -Rd/Wr Eep	
16	10	MMI3 FRONT/REAR JTB HARMAN BECKER 2010-2015	5F 7F	FULL OBD	Functions: -CompProt -Rd/Wr Eep	

17	11	AMPLIFIER MIB ALPINE EV_AMPMst16C3ALPI, EV_AMPMst16C3Gen2ALPI EV_AMPMst16C1Gen2pALP	47	FULL OBD	Functions: -CompProt -Rd/Wr Eep	
18	11	AMPLIFIER MIB ALPINE EV_AMPMst11CALPI , EV_AMPMst12C1ALPI, EV_AMPMst16C1ALPI,	47	FULL OBD	Functions: -CompProt -Rd/Wr Eep	
19	12	DASHBOARD BOSCH 4G/4H/7P 2010-2017	17	FULL OBD	Functions: -CompProt -Rd/Wr Eep - FACTORY RESET	
20	13	RGS Belt Tens LEFT/RIGHT 4G/4H SW70	8F 90	v0070- BY EEPROM	Functions: -CompProt -Rd Eep	

21	13	<p>RGS</p> <p>Belt Tens</p> <p>LEFT/RIGHT</p> <p>4G/4H</p> <p>SW70</p>		v0080: BY MCU	<p>Functions:</p> <ul style="list-style-type: none"> -CompProt -Rd Eep 	
22	14	<p>MMI MIB1/2 JTB</p> <p>HARMAN</p> <p>4G/4M/8V</p>	5F	<p>OBD2+</p> <p>MMI BACK PLUG</p>	<p>Functions:</p> <ul style="list-style-type: none"> -CompProt -Rd/Wr Eep 	
23	15	<p>WEBASTO</p> <p>4G/4H/8K</p>	18	FULL OBD	<p>Functions:</p> <ul style="list-style-type: none"> -CompProt -Rd/Wr Eep - FACTORY RESET 	

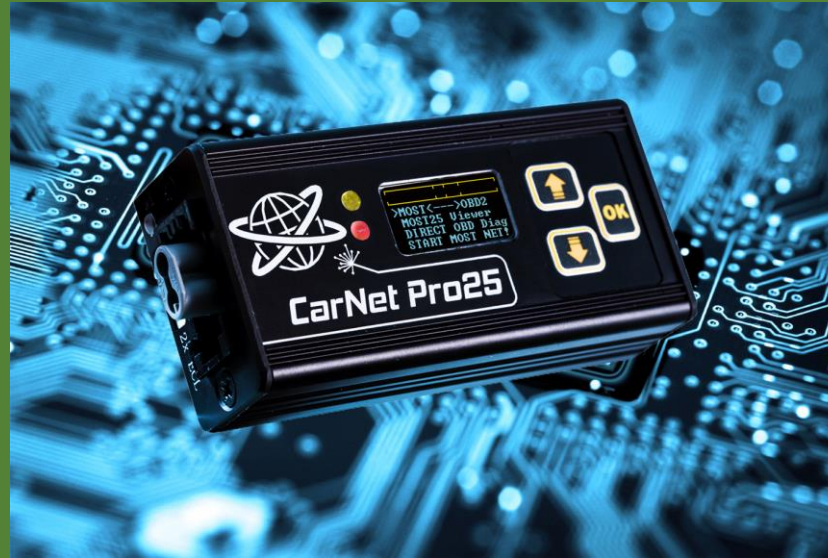
24	50	ARU JTB RADIO HARMAN	56	OBD/EEP	SOON WILL Be UPDATED Direct by MOST25 For FREE!!!	
25	52	AMP B&O D4C7	47	OBD/EEP	SOON WILL Be UPDATED Direct by MOST25 For FREE!!!	
26	53	AMP B&O LCPKO	47	OBD/EEP		Under develop
27	54	AMP BOSE 3G MOST25 BOSEG3 D4 BOSEG3 C7 BOSEG3 A1Q3	47	OBD/EEP	SOON WILL Be UPDATED Direct by MOST25 For FREE!!!	
28	57	MMI RMC1/RMC2 DELPHI FRONT 4G/4H	5F	OBD/EEP	Functions: -CompProt Read/Write Decrypted EEPROM (there is hard encryption!!!)	 

29	58	MMI MIB1 PM6 PANASONIC	5F	OBD/EEP		
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EDITORS

30	600	EEPROM EDITOR	STD EEPRO M	All standard serial EEPROM Universal On Board Programmer Pin contact Control Voltage range regulated: 1.7-5.1 Volt DC Current consumption measurement (0...1000ma)	ASCII/ HEX Editor Read/Write/Verify Data swap Negation Voltage reg Save/open file	
31	601	RFID PCF7935 EDITOR	PCF 7930 7931793 5			
32	602	RFID MEGAMOS SOKYMAT EDITOR				

Carnet Pro25 supported list



(SubDevice for VAG MOST25 MEDIA ECU Direct Access by fiber Optic)

33	1	<p>MOST MASTER/ GATEWAY</p> <p>• OBD2-TP2.0<-> >MOST25 DAP diagnostic protocol bridge</p>	MOST25			
34	2	<p>• MOST</p> <p>ENHANCED TESTABILITY</p> <p>(Low Level Most IF Test</p> <p><i>(like sending data frame with echo feedback, checking</i></p>	MOST25			


		<p><i>Board voltages, testing</i></p> <p><i>Sleep/Wakeup/pwr down functionality of any selected ECU from current MOST Network.)</i></p>				
35	3	<p>VAG MOST25 SWDL UNIVERSAL ECU FLASHER</p> <p>Programming By FIBER OPTIC</p> <p><i>Support any most25 ecu</i></p>	MOST25			
36		<p>Coming soon:</p> <p><i>In short time all customers will get full free update to support MOST25 Media ECU Component protection functionality same as in MOST150 – direct by fiber optical cable-</i></p> <p><i>Instead of current method- by physical EEPROM acces !!!</i></p>	MOST25			

Carnet Pro150 supported list




(SubDevice for VAG MOST150(MIB) MEDIA ECU Direct Access by fiber Optic)

37	1	MOST MASTER/ GATEWAY OBD2-UDS<- >MOST150 DAP diagnostic protocol bridge OBD2<->MOST	MOST150			
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38	2	<p>MOST</p> <p>ENHANCED TESTABILITY</p> <p>(Low Level Most IF Test</p> <p><i>(like sending data frame with echo feedback, checking Board voltages, testing Sleep/Wakeup/pwr down functionality of any selected ECU from current MOST Network.))</i></p>	MOST150			
39	3	<p>VAG MOST150 SWDL UNIVERSAL ECU FLASHER.</p> <p>ECU Programming By FIBER OPTIC</p> <p><i>Support almost most150 ecu</i></p>	MOST150			
40	100	<p>MIB DVD</p> <p>ALPINE</p> <p>“DVDC2_APN”</p>	47	<p>CP FULL OBD\</p> <p>Direct fiber Optic</p>	<p>Functions:</p> <ul style="list-style-type: none"> -CompProt -Rd Eep 	

41	101	TV TUNER MIB “DVB-DTV” MITSHUBISHI	57	CP FULL OBD\ Direct fiber Optic	Functions: -CompProt -Rd Eep	
42	102	AMPL BOSE MIB Bose6416A/P	47	CP FULL OBD\ Direct fiber Optic	Functions: -CompProt -Rd Eep	
43	103	AMPL BANG&OLUFS Advanced: 4G/4M/4N <u>Swdl Prj ID:</u> AMP_BAO_P3,(4G/4M) AMP_BAO_D5(4N,4K)	47	CP FULL OBD\ Direct fiber Optic	Functions: -CompProt -Rd Eep	

44	103	AMPL BANG&OLUFS Advanced: 4N/4K(A6/A7 /A8 2019) <u>Swdl Prj ID:</u> AMP_BAO_D5(4N,4K)	CP FULL OBD\ Direct fiber Optic	Functions: -CompProt -Rd Eep	
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2019/08/13



Short specification of CPPRO:

- 2x CAN Bus Interface,
- - ISO9141(K-Line)

- **Additional IO Ports For Direct MCU Programming**
- **RFID 125KHC Internal Basestation**
With ferrite Antenna
- **SD Card Reader**
- **Very precise Capacitive Touch screen**
- **Color Display 4.3 InH 480/272**
- **In Circuit serial EEprom Programmer**
With Pins contact check and reg voltage 1.6..5V
- **(std serial eeprom 95xx/24xx/93xx)-**
- **USB 1.2 Port**
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- **Each Program can be activated or not by:**

- **Request/Activation File or by**
- **Via USB PC Link(BULK CLASS) with User SW - by Network automatically**

Around 200MB Internal User memory as Two user disk Partition of internal File System (plus External SD Card)

Once the usb is plugged to pc – all 3 user Disks Can Be accessed everytime as standard MSD Disk from windows file manager (Windows USB MSD Class) For each disk visibility on pc msd class, it can be configured from CPPRO settings (MENU//System//SystemSettings) individually by user.

IMPORTANT NOTICE

- 1. Device working completely OFFLINE – it not using any unauthorised acces to manufacturer database service so no problem with fact as one day the GECO chinesse acces will be closed permanently.**
- 2. Device working very fast – usually in standard case for CP program need no more than 1-5 min.**
- 3.**
- 4. Device support in full range VAG platform 4G/4H/7P(A6/A7/A8/TUAREG) from 2010-2018, is very well tested usually all working perfect.**

Its because device first was planned especially to cover only for this groups of cars.

But:

Because many cp units beetwen 4h/4G platform are similar or the same as in A4.A5/Q5 cars decided to start support also this cars.

For now the media(mmi and most devices) are almost are same so it is solved also for A4/A5/Q5 Cars too , the BCM1/2, Webasto, Seat Memory now are also covered.

Of course the gateways 8R/8U/8T are are 100% supported by obd2 with CPPRO. The missing CP units (klima, dash and airbags) will be covered soon.

- 5. The MOST25 Media devices like amplifiers/radio unit/cd changer finally will be done using direct MOST25 connection same as in All MOST150 - MIB units. And this change will be completely free for users using current solution.**
- 6. There one more goot thing for the users!!! All MIB MOST 150 MEDIA devices supported for now by direct fiber optic MOST acces are nearly 100 % same to new 2018/19 4N/4K/4M platform (new Q7 A6/A7/AS8) . But therer no way to access to gateway. The solution is the small board emulator connected on CAN MIB . Its completely solving the problem – working same as gateway and unlocking required modules instead of gateway. It was 100% succesfully tested, and soon the cp emulators boards will be added to the offer.**