## W204 ELV BOX emulator.

Could be installed instead of faulty original W204/207/212 ESL/ELV.



Requires programming with new GRNKEY.ESL dump - the same way like new or renewed original ESL.

BOX emulator is useful when original ESL has fatal error saved in its memory or if it has jammed or broken motor.

## How to install

Connect MB Keyprog2 EVO device to ELV BOX emulator connector via W204 K-line cable.

Open the ELV EVO prog software.

Choose ESL 204, READ.

g concevero pro	g)		eje
Load Si	ave Edit	J Data J	Help About
			EZS Data
ESL 204 -	Open	Close	Load
	Info		ESL
ESL Status	1C 00		Read
Sonder Hash	D9 09 7A BA	94 F9 9A 2C	Erase
Unlock Hash	00 00 00 00	00 00 00 00	Unlock
Password	00 00 00 00	00 00 00 00	TRSP
			Write
Select ESL 204 Gry Read Suc It is used ESL/ Need calculate Status = 1C 00 Data structure Transport prot	csessfull ELV. Dealer Password is damaged	for renew	
indipolo proc		. 1	
Personalized			

To activate WRITE option – change some data in UNLOCK HASH line and press UNLOCK button:

	T	1000	T	10000	Y		T
Load Sa	ave	Edit	E	Data	-	Help	About
							EZS Data
ESL 204 -	Oper	וו	CI	ose			Load
	Info						ESL
ESL Status	1C 00						Read
Sonder Hash	D9 09 72	A BA	94 F9	9A 2	c		Erase
Unlock Hash	11 00 00	00	00 00	00 0	0		Unlock
Password	00 00 00	00	00 00	00 0	0		TRSP
elect ESL 204 ry Read Suc	csessfull						Write
Select ESL 204 Try Read Suc t is used ESL/ Hed calculate tatus = 1C 00 Data structure Transport prot Personalized Activated Opening state Closing state	csessfull ELV. Dealer Pas is damage ection	sword :d  	for r . 0 . 1 . 1 . 1 . 0	enew			Write

Use the same way when you need to install programmed emulator to other car – to renew emulator.

Now you have ELV BOX emulator ready to be written:

Load T	Save Edit	Data	ТНе	
Loud	Jure Lon	Data		EZC Data
				EZS Data
ESL 204 -	Open	Close		Load
	Info			ESL
ESL Status	10 00			Read
Sonder Hash	D9 09 7A BA 9	4 F9 9A 2	2C	Erase
Unlock Hash	11 00 00 00 00	00 00 0	00	Unlock
Paceword	00 00 00 00 00	00 00 0	00	TRSP
1 4550014			201	
I doswold	Succeesfull			Write
Try erase 1 ESL Erased. To personalizar password in wir Status = 10 00 Data structur Transport pro Personalized Activated Opening state	Succsessfull te ESL/ELV load d ndow and press Wr e is damaged tection 	ump, inser ite butto 0 0 0	t	Write
Try erase : ESL Erased. To personaliza password in wir Status = 10 00 Data structur Transport pro Personalized Activated Opening state Closing state Eatal error	Succsessfull te ESL/ELV load d ndow and press Wr e is damaged tection 	ump,inser ite butto 0 0 0 1 0	t	Write

Load new GRNKEY.ESL file (calculated on <u>www.sonderhash.com</u> server – read please more about the process in ESL EVO prog user manual) and press WRITE:

ESL/ELV Evo pro	og)			E
Load S	ave Edit	Data	Help	About
				EZS Data
ESL 204 -	Open	Close		Load
	Info			ESL
ESL Status	1C 00			Read
Sonder Hash	D9 09 7A BA 94	F9 9A 2C		Erase
Unlock Hash	00 00 00 00 00	00 00 00		Unlock
Password	79 D1 D1 88 D3	FD C8 62		TRSP
Loaded C:\Users	\Andrew\Desktop\20	 D4 stand\ES	SL EMUL	Write
Loaded C:\Users \E88FC1AA_m1.gr Try Write Verify Status = 1C 00 Data structure Transport prot Personalized Activated Opening state	Andrew\Desktop\20 mkey.esl Successfull Ok e is damaged ( 1 1	)4 stand\E5	BL EMUL	Write
Loaded C:\Users \E88FC1AA_m1.gr Try Write Verify Status = 1C 00 Data structure Transport prot Personalized Activated Opening state Closing state Faral error	Andrew\Desktop\20 mkey.esl Succsessfull Ok e is damaged ( 1 1 1	) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) )	SL EMUL	Write

Now ELV BOX emulator is ready to be installed to the car now.

Emulated ELV (BOX emulator) will be read like factory ELV with all diagnostics devices. As additional option you can write original ELV serial number to emulator. Connect MB Keyprog2 EVO device to original ELV via W204 K-line cable, open ESL\_SN\_Writer program and press READ.

Read SN	20	33 9	6 95	40	42	11	01
	F	Rea	d Oł	<			
00 00 00 0	00 00	00 (	00 00		W	rite	SN

Copy serial number and paste it to the WRITE SN line.

Deed CN						
Read SIN	20 33	96	95 40	42	11	01
	Re	ad (	OK			
0 33 96 9	5 40 42	11	01	Wr	ite	SN

Press WRITE SN button. Wait till the message WRITE OK appear.