

# Emulator\_VW\_Immobilizer

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## Getting Started

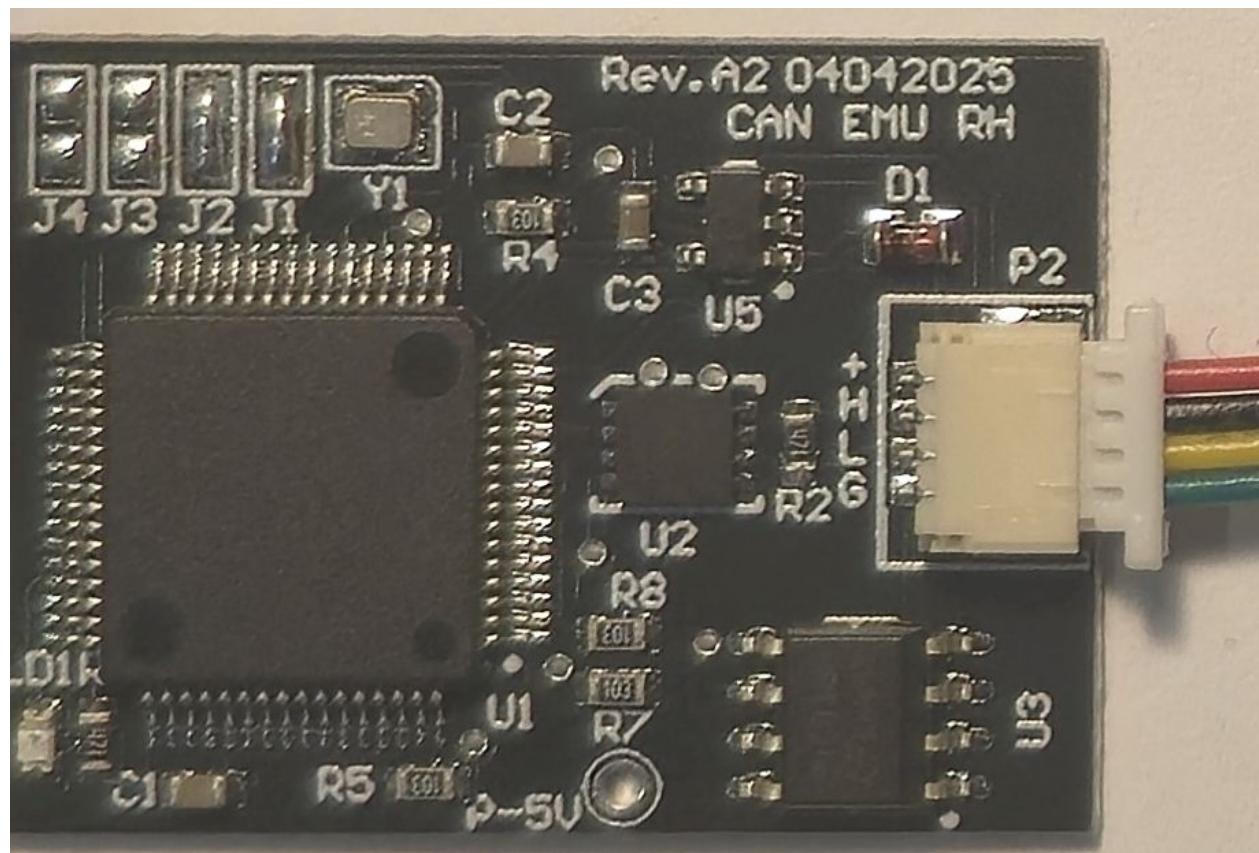
## System requirements

## Requirements:

1. Emulator VW Immo
2. Programmer EEPROM 24C01 memory
3. Tool UHDS or other for decode required data for put it in emulator

## Getting help

### Emulator Photo:



### Wires description:

RED +12V  
Black CAN H  
Yellow CAN L  
Green GND

J1...J4 -set configuartion Emu:

J1 , J2 , J3 , J4 -open - Emulator in test mode. After power it it blink SW version (for example 1 Long and 3 times short blinks -sw = 13)

J2 -Closed , J2 , J3 , J4 -Open -Emulator Imm0 3

J1 , J2 -Closed , J3 , J4 -Open -Emulator Imm0 4

J1 -Closed , J2 , J3 , J4 -Open -Emulator Imm0 5

J3 -Closed , J1 , J2 , J4 -Open -Emulator Imm0 4 ELV

### Imm0 3

Imm0 3 Audi/VW/Seat/Skoda Emulator by CAN

Install Emu you have to solder 4 wires and program 24c01 EEPROM (on Emu Board).

J2 -Closed , J2 , J3 , J4 -Open -Emulator Imm0 3 !!!

For create file 24c01 you have to use our program :Vw\_Emu\_Tool1.exe

Please choose Imm04 and next You must put 6 bytes CS

When all is done you can test ECU on board . Connect 12V to ECU and LED on Emulator should be ON (constant Light).

Switch ignition on, LED installed on EMU should be ON (constant Light).

If LED blinks regular then mean Emulator not get request from ECU

If LED blinks fast for some seconds then (wrong checksum inn 24c01 EEeprom)

if LED is OFF then mean CS or other immo data are set wrong in 24c01 EEeprom

If LED blinks 1 long and 4 short then EEeprom 24c01 on Emu board is not programmed or wrong data is programmed.



## Immobilizer 4

### Immobilizer 4 Audi/VW/Seat/Skoda Emulator

(EDC16, EDC17, MED17, MED9.1, MED9.5, PCR2.1, PPD1 etc...)

Emulator is designed for ECU with immobilizer 4 system. It replaces the original immobilizer system and allows the engine to start.

Install Emu you have to solder 4 wires and program 24c01 EEPROM (on Emu Board).

Solder J1 and J2 jumper on Emulator board !!!!

For create file 24c01 you have to use our program :Vw\_Emu\_Tool1.exe

Please choose Immobilizer 4 and next You must put 6 bytes CS , MAC1 , PW(power class) and Brand CAR

Note: MAC1 some tools can show swapped for example: 1234 you must put 3412 ( you must check by self need swap or not).

When all is done you can test ECU on board . Connect 12V to ECU and LED on Emulator should be ON (constant Light).

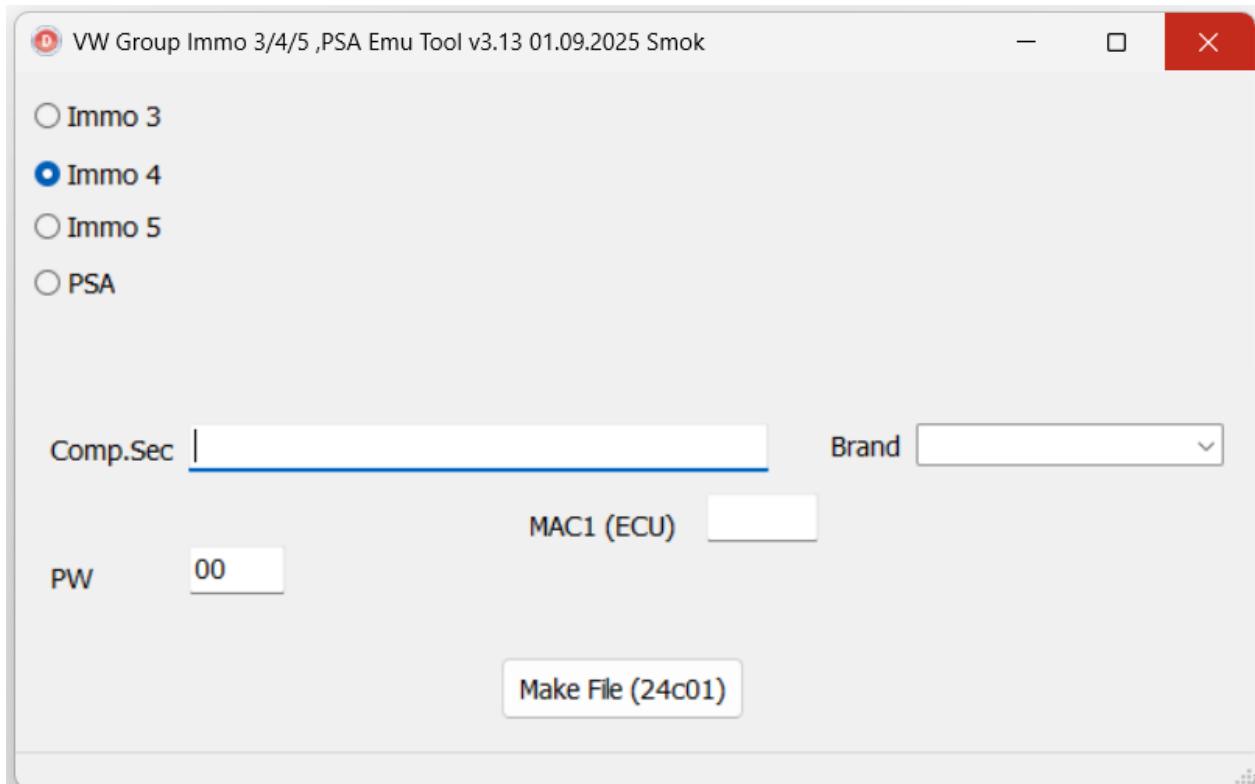
Switch ignition on, LED installed on EMU should be ON (constant Light).

If LED blinks regular then mean Emulator not get request from ECU

If LED blinks fast for some seconds then (wrong checksum in 24c01 EEPROM)

if LED is OFF then mean CS or other immobilizer data are set wrong in 24c01 EEPROM

If LED blinks 1 long and 4 short then EEPROM 24c01 on Emu board is not programmed or wrong data is programmed.



## Immobilizer 5

### Immobilizer 5 Audi/VW/Seat/Skoda Emulator

#### System requirements

What we need to have for install Emulator Immobilizer 5:

1. Immobilizer 5 Emulator Board
2. ECU with Immobilizer 5 system (Audi A4 2007...) Golf7, Octavia 3, Audi A3 2012... etc... It works on kind of ECU Bosch, Siemens, Continental, Delphi (EDC17, MED17, Simos etc...)
3. We have to know actual ECU immobilizer data : 16 bytes CS, 4bytes MAC (mean : 2 bytes MAC ECU, 2 bytes MAC Immobilizer).

Warning!! There is no possible to use Emulator if don't have above Immobilizer Data.

J1 -Closed, J2, J3, J4 -Open -Emulator Immobilizer 5.

We have to start software Vw\_Emu\_Tool1.exe

We choose Immobilizer 5 and next we have to fill data CS, MAC1 and MAC2

Now we press button Make File 24c01. Soft ask us for save output file.

Now with any eeprom programmer we write this file into 24c01 EEprom localized on Emulator Imm05 board. We

don't need desolder we can do by clip or of course we can desolder eeprom and program it in programmer socket.

Now we have to connect Emulator to ECU. We connect 4 wires CAN H , CAN L, GND , +12V (term 15).

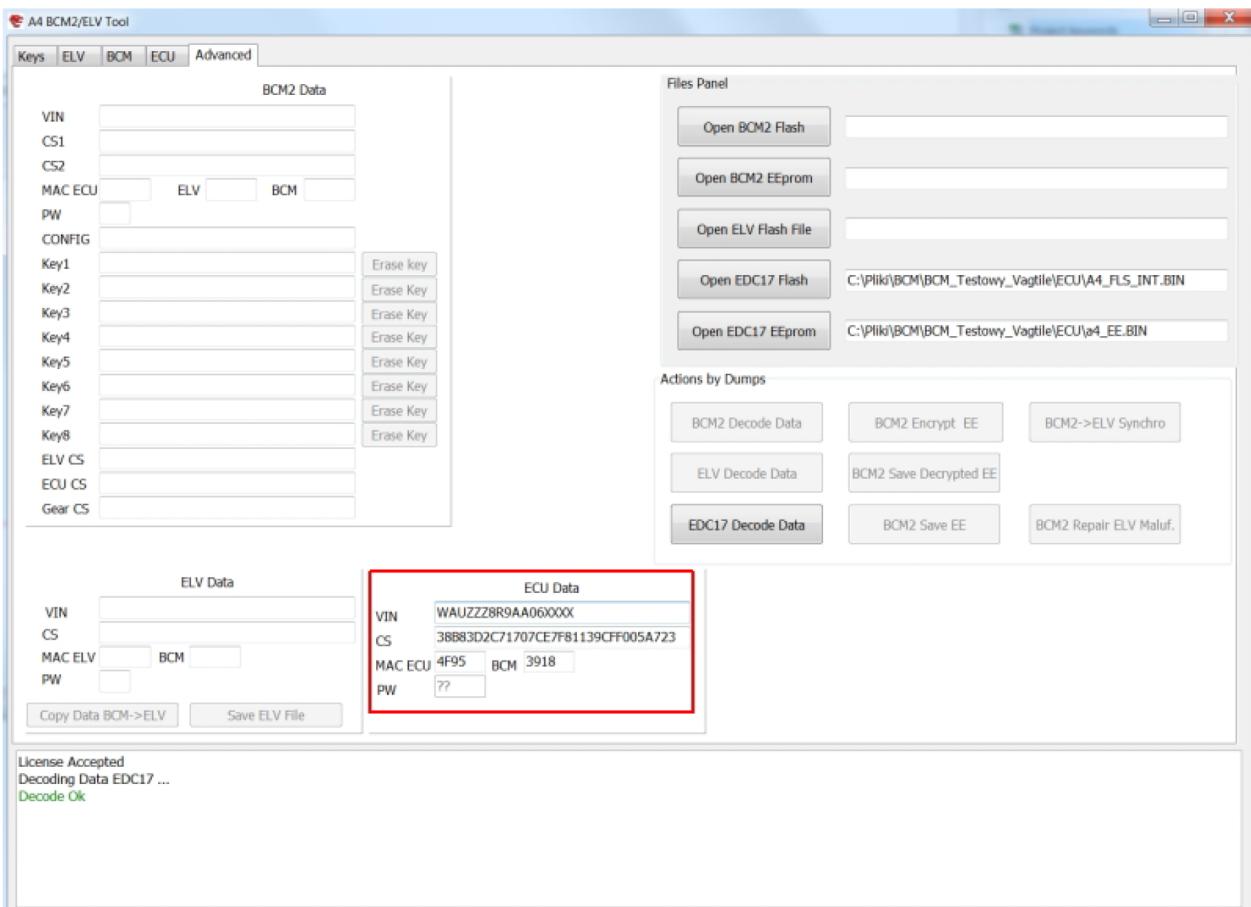
Switch ignition on, LED installed on EMU should be ON (constant Light).

If LED blinks regular then mean Emulator not get request from ECU

If LED blinks fast for some seconds then (wrong checksum inn 24c01 EEprom)

if LED is OFF then mean CS or other immo data are set wrong in 24c01 EEprom

Co



We required have dump flash file and eeprom and by option Imm0 5 we can decode data from ECU.

Warning !!! If we use other soft for decode data we must know that MAC1 and MAC2 are sometimes swaped and

we must experiment how to write it.

