

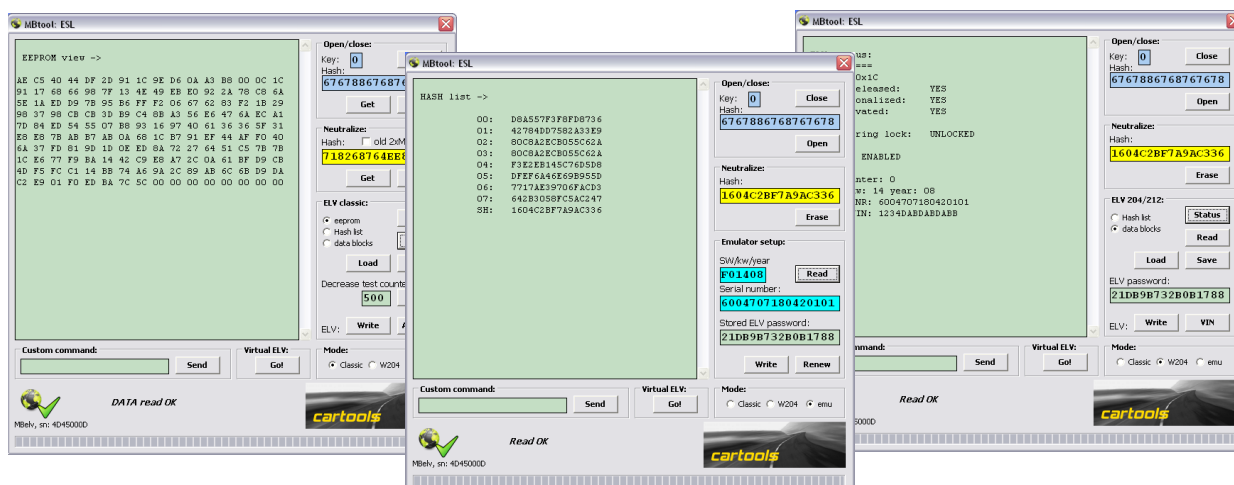


MBelv

Mercedes FBS2 / FBS3 ESL (ELV) tool
K-line

Highlights:

- works with both "classic" and "W204" ESL;
- MBelv software is designed mostly for MBelv hardware, some limited functionality is available using:
 - **MBkey** - can read data blocks, hash list, ELV dump via **IR** using MBelv software;
 - **MBir** - if attached it is possible to do some jobs using any K-line adapter (attached to COM1... COM8).
- open / unlock password calculation for all Motorola based ESL where half hash is used, for ESL unlocking;
- it is possible to erase and unlock older ESL (usually produced before 2000) via "security hole".
- it is possible to send custom commands to ESL (for experts only!);
- virtual ESL emulator functionality: both "classic" and "W204" modes covered, for EIS bench testing;
- HASH list (EEPROM block) readout from ESL via k-line;
- Works as a configurator for **ESL EMULATOR**;
- Use **+12v**, **K-line** and **GND** for connections.



How to set up W204 ESL emulator:

from **EMU tab**: renew emulator before programming. It is possible to copy serial number, firmware version and production date from original ESL if necessary. Otherwise defaults are used. You may personalize EMULATOR like original ESL. Go to W204 tab, read HASH list from emulator. You will see some trash on screen, no matter, actually only ESL password is mandatory. Enter **ESL password**, press Write. Emulator is ready for installation now. You can store VIN too (note: it is one time programmable).

It is possible to calculate **ELV password** from **KEY password** using **MBnec** tool.



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