

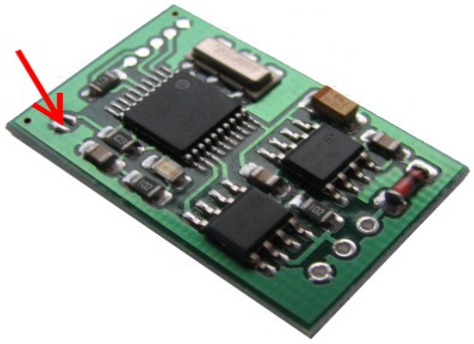
Volvo emulator

VIM015, VIM016 immo3

Description:

For models with separate immobox (VIM015, VIM016): immo3 system, single wire communication between ECU and IMMO3 unit.

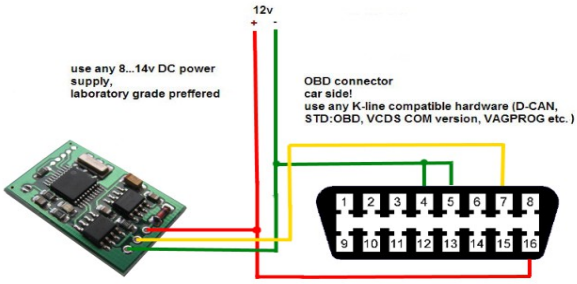
How to configure:

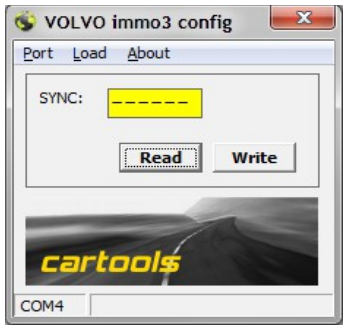


- Jumper must be open (solder joint removed),
- Attach any K-line compatible adapter and power supply,
- Choose COM port (valid values are from 1 to 4),
- Read SYNC from emulator to be sure it is connected and powered correctly.
- Enter desired SYNC bytes or find them via ECU or IMMO3 dump.
- Write emulator.
- Now you can short JUMPER (place solder joint) to avoid further rewrite by accident.

Device is ready to use now, no any additional alignment necessary.

Connection diagram for config:





IMMO-3 connector pinout:

pin 1	Not connected
pin 2	Starter
pin 3	K line
pin 4	**ECM**
pin 5	**12v IGN**
pin 6	12V
pin 7	Immo led
pin 8	**GND**
pin 9	Antenna 1
pin 10	Antenna 2

How to connect emulator:

pin 4 (**ECM**) - immo line (attach it to emulator);
pin 5 (**12v IGN**) - plus for emulator;
pin 8 (**GND**) – minus connection for emulator.

- If necessary pull down "Starter" wire to ground: bridge pins 2 and 8.
- To enable ECU diagnostics bridge pins 3 and 4: K-line and ECU (W-line),
- v2 emulator is active for 5 seconds after power-up, then silent.

LED on emulator board:

There must be one short blink at power-up. If request from ECU is received, there are 2 further options possible -

- Long blink (0.4s): valid message received (normal communication),
- Four short blinks: invalid message or wrong mode is set by jumper.

(c) RobinDAB '2017-2026

cartools