

VIM-Kline

Volvo VIM014 (immo3),

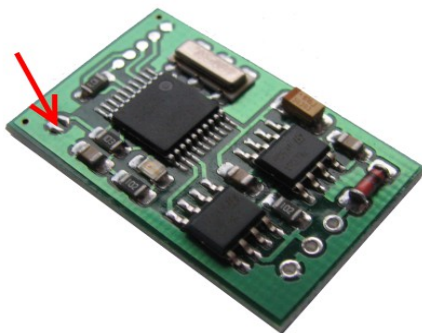
Mitsubishi VIM205,

Renault K-line

Description:

Covered: Volvo cars up to 2004 (98 and up: VIM014 immo3, black box), Mitsubishi Carisma, SpaceStar (VIM205 black or red box, 1998-2005), Renault K-line (immo by wire). Allows user to use ANY necessary PIN code to avoid ECU rewrite / virginize.

How to configure:

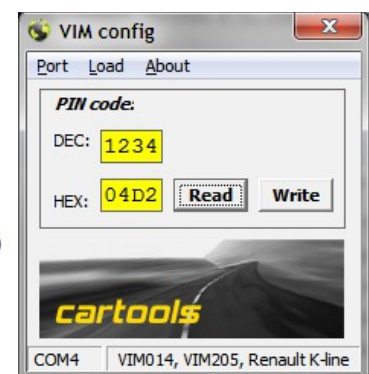
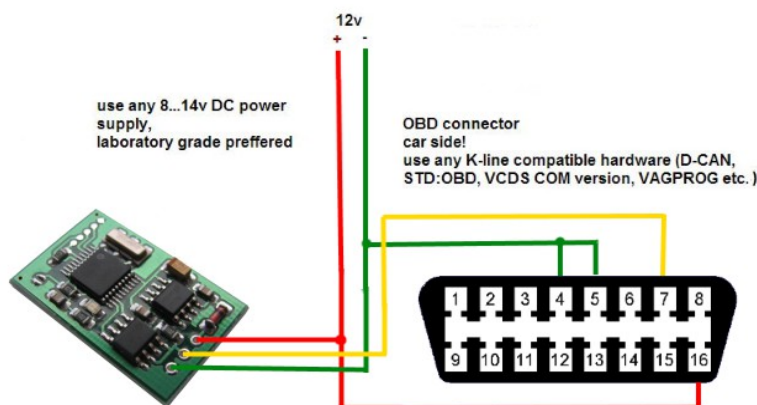


- For configuration JUMPER (pointed by red arrow in picture) must be open - solder joint removed,
- Attach any K-line compatible adapter and power supply,
- Choose COM port (valid values are from 1 to 4),
- Read PIN from emulator to be sure it is connected and powered correctly.
- Enter desired PIN bytes or load it via ECU or IMMO dump.
- Write emulator.
- Now you **must short JUMPER** (place solder joint).

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

Classic method works too: place solder joint to short JUMPER, make ECU virgin and attach emulator. In this case preprogrammed PIN code is used (used by Mitsubishi SpaceStar by default)

Connection diagram for config:



Volvo VIM014 immo3 connector pinout:

- 1 not connected
- 2 Starter
- 3 K line
- 4 ECM
- 5 12V ign
- 6 12V
- 7 led
- 8 gnd
- 9 Antenna 1
- 10 Antenna 2

How to connect emulator:

pin 4 (ECU) - immo line (attach it to emulator);
pin 5 (12v ign) - plus for emulator;
pin 8 (gnd) – minus connection for emulator.



Mitsubishi Carisma / SpaceStar VIM205 connector pinout:

- 1 Antenna 1
- 2 -
- 3 +12v power, from ECU main relay
- 4 -
- 5 -
- 6 - data line to ECU
- 7 Antenna 2
- 8 +12v power, terminal “15”
- 9 gnd
- 10 -
- 11 diag
- 12 diag

How to connect emulator:

pin 6 (ECU) - immo line (attach it to emulator);
pin 8 (12v ign) - plus for emulator;
pin 9 (gnd) – minus connection for emulator.



LED on emulator board:

JUMPER is **open** (emulator is in CONFIGURATION MODE):

- Must see one short blink at power-up;
- Long blink: valid message from PC received .

JUMPER is **shorted** (normal WORKING MODE):

- LED blinks each 1.5 s - code is continuously sent to ECU;

Notes about PIN code:

- Valid PIN codes are from 0000 to 9999 decimal, equal to 0000... 270F hex.
- It is possible to store any HEX value into emulator if you wish and if you know why. For example PIN code 7FFF means “no KEY / invalid KEY”...
- Mitsubishi cars use default PIN codes already stored in factory. Usually nobody changes them. If you configure emulator for Mitsubishi Carisma, it works with ALL Mitsubishi Carisma cars. Same story with SpaceStar.
- By default PIN code necessary for Mitsubishi SpaceStar is stored into emulator. If you have SpaceStar – just short JUMPER and attach wires!