

# VAG K+CAN Commander 1.0

Diagnostic tool for cars from Volkswagen Audi Group

## Features:

1. Diagnostic via CAN and K-line.
2. Covers all electronic control units in vehicles (diagnostic addresses from 0x01 to 0x80). This can allow of user to investigate and diagnosis some new units untouchable for remaining diagnostic tools. Functions are under CAN-TP2.0.
3. Manual definition of running diagnostic session – not like remaining diagnostic tools always standard diagnostic session 0x89. Function is under CAN-TP2.0.
4. Broadcast diagnostic request – disable normal communication, clear DTCs, Logistic (transport) mode, Functions are under CAN-TP2.0.
5. Allows managing of brand new units (and immobilizer units) where is allowed programming of PIN, SKC, BGW, MAC. Functions are under CAN-TP2.0.
6. Most of popular diagnostic requests – identifications, coding, adaptations, DTCs and s.o. Functions are under CAN-TP2.0.
7. Special function - odometer correction in instrument clusters and EDC15x.
8. Special function - read Security Access Code/Login WFS.
9. Special function - read/write EEPROM from instrument cluster/immobilizer. All supported clusters CAN/K.
10. Special function - VAG MMI TV Activation.
11. Special function - Read/Write EEPROM of Engine Control Units BOSCH VAG-EDC15x, VAG-ME7.1.1, VAG-Cartronic ME7.8.
12. Special function - Key learning buttons for easy usage (not needed security code).
13. Special function - Key learning Porsche CAYENNE (not needed security code) K+CAN.

List of vehicles covered from function odometer change via OBDII:

- Audi Q7 (CAN)
- Audi A2 (K)
- Audi A3 2003+ (CAN)
- Audi A3 VDO/M73 up to 2003 (K)
- Audi A4 VDO/M73 (K)
- Audi A6 VDO (K)
- Audi A6 (CAN)
- Audi Allrounder (K) up to 2004
- Audi A8 up to Jan 1999 and from 2003 to July 2006 (K+CAN)
- Audi TT (K)
- Seat Alhambra (K)
- Seat Altea (CAN)
- Seat Arosa (K)
- Seat Cordoba after 1999 (K)
- Seat Ibiza VDO after 1999 (K)
- Seat Leon (K+CAN)
- Seat Toledo (K+CAN)
- Skoda Octavia (K)
- Skoda Octavia II (CAN)
- Skoda Superb (K)
- Skoda Roomster (K)
- Skoda Scout (CAN)
- Skoda Fabia (K)
- VW Bora (K)
- VW Beetle (K)
- VW Caddy (CAN)
- VW EOS (CAN)
- VW Golf4 VDO/Motometer(K)
- VW Golf5 VDO up to October 2006 (CAN)
- VW Crossgolf (CAN)
- VW Individual (CAN)
- VW Jetta (K+CAN)
- VW Passat B5/B6 (K+CAN)
- VW Polo VDO/Motometer (K)
- VW Sharan (K)
- VW T4/T5 VDO (K)
- VW Touareg VDO (CAN)

List of vehicles covered from function security access code/login reading via OBDII:

- Audi A2
- Audi A3 VDO/M73 up to 2003
- Audi A4 VDO/M73 up to 2000
- Audi A4 after 2000 - petrol engines  $\geq 1.8$
- Audi A6 VDO (K)
- Audi A6 (CAN) petrol engines
- Audi Allrounder (K) up to 2004
- Audi Allrounder (CAN) petrol engines
- Audi A8 up to 1998
- Audi A8 from 2001 to 2002 2.5TDI
- Audi A8 (CAN) 2003+
- Audi TT (K)
- Audi Q7 petrol engines
- Seat Altea (CAN)
- Seat Cordoba after 1999 (K)
- Seat Ibiza (VDO) after 1999 (K)
- Seat Leon (K+CAN)
- Seat Toledo (K+CAN)
- Skoda Octavia
- Skoda Octavia II (CAN)
- Skoda Superb
- Skoda Roomster
- Skoda Scout (CAN)
- Skoda Fabia
- VW Bora
- VW Beetle
- VW Caddy (CAN)
- VW EOS (CAN)
- VW Golf4 VDO/Motometer
- VW Golf5 VDO up to October 2006 (CAN)
- VW Crossgolf (CAN)
- VW Individual (CAN)
- VW Jetta (K+CAN)
- VW Passat B5 (K) B6(CAN)
- VW Polo5
- VW Sharan after year 2000
- VW T5
- VW Phaeton petrol
- VW Touareg petrol
- VW Touaran VDO (CAN)
- PORSCHE Cayenne (CAN/K)

List of vehicles covered from function key learning without need of security access code/login via OBDII:

- Audi A2
- Audi A3 VDO/M73 up to 2003
- Audi A4 VDO/M73 up to 2000
- Audi A4 after 2000 - petrol engines  $\geq 1.8$
- Audi A6 VDO (K)
- Audi Allroad (K) up to 2004
- Audi A8 up to 1998
- Audi A8 from 2001 to 2002 2.5TDI
- Audi A8 (CAN)
- Audi TT (K)
- Seat Altea (CAN)
- Seat Cordoba after 1999 (K)
- Seat Ibiza (VDO) after 1999 (K)
- Seat Leon (K+CAN)
- Seat Toledo (K+CAN)
- Skoda Octavia
- Skoda Octavia II (CAN)
- Skoda Superb
- Skoda Roomster
- Skoda Scout (CAN)
- Skoda Fabia
- VW Bora
- VW Beetle
- VW Caddy (CAN)
- VW EOS (CAN)
- VW Golf4 VDO/Motometer
- VW Golf5 VDO up to October 2006 (CAN)
- VW Crossgolf (CAN)
- VW Individual (CAN)
- VW Jetta (K+CAN)
- VW Passat B5 (K) B6(CAN)
- VW Polo5
- VW Sharan after year 2000
- VW Phaeton petrol
- VW Touareg petrol
- VW T5
- VW Touaran VDO (CAN)
- PORSCHE Cayenne (CAN/K)



- Identification
- H/W number
- S/W version
- Extended identification
- Read DTCs
- Clear DTCs
- Coding
- Measured values
- Actuator test

**Adaptation**

Start Enter/Test

Cancel Save

?

**SecurityAccess**

Security Access

Security Acc(CS)

?

**Diagnostic session**

86 Enter

- Special functions**
- Instrument / Immobilizer
  - ECU reflashing
  - Broadcast
  - Components Security
  - Download/Upload
  - TV activation

Value(DEC) Value(HEX)

1 1

+ -

?

**Target (Electronic Control Unit)**

49 EZS (Kessy)

Open Channel

- CAN High Speed Transport Protocol 2.0
- CAN Low Speed Transport Protocol 2.0
- CAN High Speed Transport Protocol 1.6
- CAN Low Speed Transport Protocol 1.6
- ISO9141 KWP2000 light plus/KWP1281
- CAN High Speed Transport Protocol 2.0

Read Freeze Frame

Establishment diagnostic session with selected unit ....

Instrument cluster / Immobilizer special functions

Odometer

Read current odometer value

3211 Current odometer value

2111 New odometer value

Change odometer

Vehicle model :

Automatic Identification

Reset cluster

Seat Ibiza Crypto 2006+/ VDO K

Immobilizer WFS secret code

4838 SECURITY ACCESS CODE

Read Security Access Code

Key programming

Keys 2

Program Keys

Memory access

Read EEPROM Write EEPROM

Read RAM Image Write RAM Image

Read ROM/FLASH

ReadMemoryByAddress

Start Address	Size	Block Length	Step
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Read Memory

Read Freeze Frame

Diagnostic session

86 Enter

TV activation

Connection type

ISO9141 KWP2000 light plus/KWP1281

Instrument cluster / Immobilizer special functions

Odometer

Read current odometer value

0 Current odometer value

0 New odometer value

Change odometer

Vehicle model :

Porsche Cayenne CAN

Reset cluster

Porsche Cayenne CAN / CARTRONIC K / Kessy CAN / GATEWAY CAN  
WP1ZZZ9PZ6LA43575 - VWZ3Z0E1413484

Immobilizer WFS secret code

2796 SECURITY ACCESS CODE

Read Security Access Code

Key programming

Keys 1

Program Keys

Memory access

Read EEPROM Write EEPROM

Read RAM Image Write RAM Image

Read ROM/FLASH

ReadMemoryByAddress

Start Address	Size	Block Length	Step
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Read Memory

Actuator test ? Download/Upload Close Channel ?

Read Freeze Frame Diagnostic session 89 Enter TV activation

Connection type CAN High Speed Transport Protocol 2.0