# KEYMASTER POLDIAG

World leaders in servicing BCM2 VAG IMMO

# Read/Decode/Extract IMMO data from BCM2 with LOCKED NEC chip! 2013-2018 ALL BCM2 VERSIONS (8K0, 4H0) SW 621, 633, 711, 825 and much more... NO NEED WORKING KEY!



Support Audi 2008-2018: A4, S4, RS4, A5, S5, RS5, Q5, SQ5, A6 C7, S6, RS6, A7, S7, RS7, A8, S8, and Touareg

FIRST STEPS WITH KEYMASTER POLDIAG

The software can be downloaded with the drivers from

keymaster.pl/download

or

info.autokey.by

- 1. Drivers Instalation
- 2. <u>Server access</u>
- 3. <u>Firmware Update</u>
- 4. BCM2 Locked NEC reading

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- 5. Dealer key preparing (A4,A5,Q5)
- 6. <u>Key Learning</u>
- 7. Synchro Data (A6,A7,A8)
- 8. <u>Diagrams</u>





# **1. DRIVERS INSTALATION**

CAUTION. Windows 10 requires special driver installation procedures.

1. Press and hold down the "SHIFT" key

2. Perform a restart while still holding "SHIFT"



You will see a window during the reboot.



## Next select " Advanced Options"



## And "Startup settings"



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## Now press F7 ( Disable Driver Signature Enforcement)



Now, after booting the system, connect the Keymaster PolDiag devices to the USB.

Go to Windows "DEVICE MENEGER" and install the drivers, indicate the location where you saved the downloaded file.

Note the drivers for WIN7 and WIN10 are the same.

# Do not use a USB hub!

# For our device to work properly, you need to have 2 separate USB ports on your computer.



## **2. SERVER ACCESS**

#### To access our server you need to register on our website www.info.autokey.by

Registration can be done in two ways:

**1: Free:** send us an email with the serial number of your device (OBD INTERFACE + PROGRAMMER) and we will create an account for you.

**2:** Payable: You pay 50EUR on registration and this money goes to your account. You can use them on our website, for example for SYNCHRO DATA or other services.



The login details for our website should be entered in POLDIAG SOFTWARE

DONE. You can use Keymaster PolDiag soft.

Enter the login and password here, <u>the same</u> <u>as you received when</u> <u>registering on our</u> <u>website</u> www.info.autokey.by

## 3. Firmware update.

Once the **drivers are installed** and you can see the **serial numbers** of the devices at the **top** of the program, you should **update the firmware**.







Check the availability of firmware for your devices every time we update the main program.

#### www.keymaster.pl

## 4. BCM2 with LOCKED NEC READING (ALL KEYS LOST)

Connect the **adapter cable wires** as shown in the <u>diagram</u> or <u>diagram for NEC 3635 & NEC 3382</u> Connect the power and <u>CAN HIGH and CAN LOW</u>.

Open our software. Go to the CAR MODEL-> BCM2 section  $\rightarrow$  KEY Learning Now select connection type as " **BENCH MODE**"

PolDiag 1.0.7 beta	- a ×
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Tools         Cols         Cols      <	Indexation         VX         VX
[28.05.2021 13:00:40] PoClag verson 1.0.7 beta. <u>http://kormaster.al</u> [28.05.2021 13:00:40] Program Bunched	

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#### and click "Collect BCM2 DATA BENCH"

After a few seconds, the software will ask you to select where to save the **special file-**> select location and click "**save**"

PolDiag 1.0.7 beta							-	a ×
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## Next click "Read BCM2 immo data BENCH"-> and chose file saved in previus step.



Now the software will start **BCM2 preparation** and then the **immo data extracting**. At this point, it will display **CS**, **VIN**, **MAC**, **number of saved keys and all necessary data**. <u>NOTE- Do not perform any activities until this process is completed!!</u>

					a ×
AUDI Vinterface S/N: Programmer S/	WKEHWY1048111HC0	P Check Update	Q Devices	Settings	🕜 Help
AS (BT)	Information       Vite:       W4.2223100.04-0781       IP Read info         VVX.texce:       002070442       IP Read info         OVOT Special COD Information:       Sky14.87780       IP Read info         Vite:       VALUZ228100.040781       IP Read info         Vite:       VALUZ28100.040781       IP Read info         Vite:       VALUZ28100.0407781       IP Read info         Vite:       VALUZ28100.0407781       IP Read info         Vite:       VALUZ28100.0407781       IP Read Info         EXCLORED.       Collect.01000: EA4, 55, 05)       Collect.01000: EA4, 55, 05)         Collect.01000: EA4, 55, 023       Collect.01000: EA4, 55, 023       Collect.01000: EA4, 55, 023         File:       EAC4 EA045733       IP Read EA042       IP Read EA042         Vite:       IAC432032304931947155559016746647780       IP Read EA042       IP Read EA042         Vite:       IAC43203230493197155559016746647780       IP Read EA042       IP Read EA042         Vite:       IAC4320323049319715559016746647780       IP Read EA042       IP Read EA042         Vite:       IP Read EA042       IP Read EA042       IP Read EA042       IP Read EA042         Vite:       IP Read EA042       IP Read EA042       IP Read EA042       IP Read EA042				
<ul> <li>[33:11:32]; VIN: WAJ2228700A046781</li> <li>[33:11:32]; PART NMRER: 80:9070546E</li> <li>[33:11:32]; SCHWARE VERSION: 662108</li> <li>[33:11:32]; SCHWARE VERSION: 66210890040</li> <li>[33:11:32]; SCHWARE VERSION: 66210890040</li> <li>[33:11:32]; SCHWARE AND CK</li> <li>[33:11:35]; SCHWARE AND CK</li> <li>[33:11:35]; SCHWARE AND CK</li> <li>[33:11:35]; SCHWARE AND CK</li> <li>[33:11:35]; SCHWARE AND CK</li> </ul>	8090794-920) 0000 90000500000000000 Webst OneOn-Whot Newmatter: FelDiag Rev 8004881x04: 21.05.20, 13-12.36.20				

After completing this step disconnect the wires from the BCM2 and fit it back to the car.

Now you can either make the **dealer key** .

## No need save file for future

ALL data are saved on ur server for future use.

# **Important information**

If you want to make **DEALER KEY** in the **future**, **You don't need** to reread bcm2 in **"bench mode"** Just connect our **OBD INTERFACE** to the car's OBD and select "**Read Immo data**,

The software will **recognize the car and then ask whether to display the** data found on the server.

Select "Yes" to see immo data that was saved on ur server. Now You can prepare and learn the next Dealer Key.

## 5. Dealer KEY PREPARING Audi A4,A5,Q5

There are **two ways** to prepare the dealer key. Metode **"A"-** with **Keymaster PolDiag COIL ADAPTER** (fast) :

Press "**Prepare Dealer Key**" Software ask You if You have ur **Coil Adapter**? -> Select "**YES**" and connect the **COIL ADAPTER** to the programmer.

Insert <u>new or renewed</u> key to COIL ADAPTER and press "OK"

AUDI	Interface S/N: WKEHWY1048111HC0 Programmer S/N: DVWAW60 066811GWH		P Check Update	Settings 🔐 📦 Help	
AS [87] Teels RCM2 ECU ECU Secton ECU deselgacable BOSCH VEDC17		Information       VIB:       VM.U2228190.0406/91         VXAG Nor:       8009006422       Image: Stand Normation Stand Normalized Stand Normali Stand Normali Stand Normalized Stand Normanda Normalize			
<ul> <li>[13:11:32]: Coding( [13:11:32]: Coding( [13:11:32]: BCM RE [13:11:55]: session [13:12:36]: Backup [13:15:68]: Cot Key [13:16:53]: Done.</li> </ul>	upte: Disbeatonomonomous PLD Disbeatonomous PLD Disbeatonomous PLD Disbeatonomous planet to ffle: C1Skers\Akas2DreDrivePUptYkeymaster_PoDIag files@CHBE profilestion v	C4_21.05.28_13-12-36.#0		Ŷ	www.keymaster.pl

The software after check key will save the **nessesary data** in the key and **confirm the end of the process**.

O Pi	olDiag 1.0.7 beta						-	0 X
100	AUDI ~	Interface S/N: Programmer S/N:	WKEHWY1048111HC0		P Check Update	Devices	Settings	🕜 Help
	Tools BCH2 ECU Sectorn ECU Sec		DWWAWOLDBOSILLWW	Information VIII: WAUZZEST00A046781 VAA No. 8009706462 Version: 0621 (8009706462) Immobilizer data VIII: WAUZZEST00A046781 Immobilizer data VIII: WAUZZEST00A046781 COBC doll (rull Brand) VIII: Cu Cs. C70BAA4CITYTTYTTYTYTYTYTYTYTYTYTYTYTYTYTYTYTYTY				
	13:11:32): Coding46:011 [13:11:32]: BCM READ CM [13:11:52]: BEM READ CM [13:11:55]: sessionID: 844 [13:11:55]: Badaup saved [13:15:08]: DONE! [13:16:48]: Get Key inform [13:16:53]: Done.	8068200890040802000 0273 to file: C:\Users\\ukasz ation	i3680000000 (OneDriveYulpit¥ceymaster_PolDIag fil	ex/BCH48ENCH_21.05.28_13-12-36.2p				Ŷ



## Metode "B" Dealer KEY from KEY FILE

You can prepare DEALER KEY also when you have **eprom file** read from new or renewed key using other device.

## Press "Prepare Dealer Key"

Software ask You if You have ur **COIL ADAPTER**?-> select "**No**" and then select the **eprom key file** from your disk.

The software will check and save the nessesary data in **key file**. **Save prepared** file on Your disk. Last step is **write prepared file** to the key using the **same tool** as you read. **Dealer key is ready**.

## **6. KEY LEARNING STEPS.**

Connect Keymaster PolDiag OBD INTERFACE to Car OBD.

## Go to the CAR MODEL-> BCM2 section → KEY Learning

Instert the prepared key into the ignition, choose the number of keys you want learn (In our example 1) and select "**KEY LEARNING**"

Confirm that key is in IGNITION.

The software will **ask** if the dashboard **display shows L1 / 1**? (In our example we learn 1 key) If so click "**OK**" and wait to end process confirmation.

DONE. KEY IS READY TO START CAR.

7. Synchro Data (Audi A6,A7,A8)

# **1 CLICK SYNCHRO DATA**



## IMPORTANT !!!! Audi A6, A7, A8

A6, A7, A8 and Touareg need additional data during preparation "dealer key" called "synchro data"

This data is <u>not stored in the BCM2</u>. Our company is the <u>first and only one in the world</u> to offer the possibility of downloading this data <u>automatically</u> from our server.

# How to get synchro data for Audi A6,A7,A8?

Very Easy with Keymaster PolDiag 🙂

Read Immo data from BCM2 with **our device in bench mode**.

Click "Key Synchro Data" and "BCM2 Read Only"

Then "Order synchro data" you will be redirected to the ur store

where you should make the **payment** (120EUR) by specifying the **VIN** of the car for which you need "**synchro data**".

After about 30 – 60 minutes you you can execute preparing dealer key with ur device ...

The server will **automatically find** the data you ordered and prepare the dealer key with **necessary** 

## synchro.

Last step is **KEY LEARNING** direct in CAR DONE.

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## 8. DIAGRAMS

BCM2 PCB CONNECTION DIAGRAM KEYMASTER POLDIAG





Look next pages when Your wires colour is different like on this picture! BCM2 with NEC 3635 NEC 3382 Keymaster PolDiag





NEC 3635 or NEC 3382!

#### WIRES DESCRIPTION

VCC ( with diode) GND RXD TXD PDX (FLMD0) RST (reset)

#### Before you start soldering, please make sure that the colors of the wires are consistent with the diagram!!



BCM2 with NEC 3635 NEC 3382 Keymaster PolDiag





NEC 3635 or NEC 3382!

#### BCM2 PCB CONNECTION DIAGRAM KEYMASTER POLDIAG

