

HPA OnePort Flashing Instructions for DQ250/DQ381/DQ500 DSG

Congratulations on your purchase of the HPA OnePort flashing device. This compact OBD II dongle gives you the power to flash HPA software tunes to your ECU quickly and easily.

The OnePort software is available as a ZIP file for download here:

http://www.hpamotorsports.com/downloads/OnePort-DSG/

NOTE: Windows 8, 8.1, and 10 users will need to follow these instructions before proceeding:

1) Hold down the Shift key while you click the "Restart" option in Windows. Your computer will restart into the menu.



2) Select the "Troubleshoot" tile on the Choose an option screen that appears.





100 - 10185 199B Street Langley, BC Canada V1M 3W9 P: 604-888-7274 F: 604-888-7276 www.hpamotorsport.com

3) Select "Advanced options".



4) Click the "Startup Settings" tile.



5) Click the "Restart" button to restart your PC into the Startup Settings screen.





6) Type "7" or "F7" at the Startup Settings screen to activate the "Disable driver signature enforcement" option.

St	artup Settings
Pres	is a number to choose from the options below:
Use r	number keys or functions keys F1-F9.
1) Er	nable debugging
2) E	nable boot logging
3) E	nable low-resolution video
4) E	nable Safe Mode
5) E	nable Safe Mode with Networking
6) E	nable Safe Mode with Command Prompt
7) D	isable driver signature enforcement
8) D	visable early launch anti-malware protection
9) D	visable automatic restart after failure
Pres	is F10 for more options
Pres	s Enter to return to your operating system

7) Your PC will boot with driver signature enforcement disabled and you'll be able to install unsigned drivers. However, the next time you restart your computer, driver signature enforcement will be disabled—unless you go through this menu again.

Step 1) Install the OnePort-DSG flashing program:

- 1) Plug the OnePort Dongle into a USB port on your laptop.
- 2) Download and Run the OnePort-VAG installation file on your laptop.
- 3) Follow the instructions throughout the Setup Wizard



4) For Windows 7-10, you will receive a security message, you must select the option "Install this driver software anyway" enable for the program to work. If you do not see this message, you will need to repeat steps 1-7 above.



5) After a few moments the program will finish installing and take you to a final screen confirming the installation is complete.

Step 2) Read the DSG Mechatronic

- 1) Connect the USB cable directly to an available port on your and connect the other end to the OnePort dongle.
- 2) Plug the OnePort dongle into the OBDII port on your car.
- 3) Make sure both your laptop battery and car battery are fully charged. We recommend you hook the car up to a battery charger/maintainer if available.
- 4) Turn ignition to the ON position but DO NOT START THE CAR



100 - 10185 199B Street Langley, BC Canada V1M 3W9 P: 604-888-7274 F: 604-888-7276 www.hpamotorsport.com

5) Launch the OnePort user interface software by double clicking on the desktop icon and click "Next>".



6) Click "Next>" again.





100 - 10185 1998 Street Langley, BC Canada V1M 3W9 P: 604-888-7274 F: 604-888-7276 www.hpamotorsport.com

7) Click "<u>N</u>ext>" one more time.



8) The OnePort software will attempt to detect your DSG Mechatronic Type.





9) Please note the red warning at the bottom the page is normal and can be ignored if the ECU type has not been detected.

🚰 OnePort-DSG for VAG Gearbox Version 1.0.0, Build 0183 EXP - 31/12/2017 🛛 🗾 🔤			
	Vehicle information : Detected ECU Type : Vehicle Ident. No. : USB Device informatio	· · · · · · · · · · · · · · · · · · ·	
	USB Device SN :	9128 - Slave	
14 A CO A C	Coded ECU Type :	No ECU coding needed	
	Coded Ident. No. :	No identification needed	
DSC Performance Flashing	The system was not ab If this is a result of an u the ECU type manually.	le to identify the vehicle's ECU type. nsuccessfull programming please try to select	
	Please click 'Next' to pro	oceed	
	< <u>B</u> ack	Next > Close Help ++	

- 10) Select the corresponding DSG Gearbox type from the pull-down bar at the top of the screen beside "Detected ECU Type". DSG DQ250 Gearbox selections will be as follows:
 - a. Model year < 2009 Temic DQ250 Cxx
 - b. Model year 2009 to 2011 Temic DQ250 Exx
 - c. Model year 2012 to 2015 (Not MQB) Temic DQ250 Fxx
 - d. Model year > 2015 (MQB) Temic DQ250 MQB
 - e. Model year > 2018 Golf R (7 Speed) Temic DQ380
 - f. Model year > 2019 TT-RS / RS3 (7 Speed) DQ500 MQB

😭 OnePort-DSG for VAG Gearbox Version 1.0.0, Build 0183 EXP - 31/12/2017 🛛 📃 💌			
DSC Performance Flashing	Vehicle information : Detected ECU Type : Vehicle Ident. No. : USB Device information USB Device SN : Coded ECU Type : Coded ECU Type : Coded Ident. No. : The system was not able t if this is a result of an unsu ECU type manually.	Temic DQ200 Temic DQ200 MQB Gen #1 Temic DQ200 MQB Gen #2 Temic DQ200 MQB Gen #2 Temic DQ250 Exx Temic DQ250 Fxx Temic DQ250 Fxx Temic DQ250 MQB Temic DQ500 Temic DQ500 Temic DQ500 Temic DQ500 Temic DL501 Gen #1 Temic DL501 Gen #2 Temic DL501 Gen #2 Temic DL501 Gen #2 Temic DL500 Bosch AL420 (GS19.11.4) Bosch AL420 (GS19.11.7) Marelli SL600	
	< Back	Next > Close He	elp ++



100 - 10185 1998 Street Langley, BC Canada V1M 3W9 P: 604-888-7274 F: 604-888-7276 www.hpamotorsport.com

11) You will be prompted to confirm your selection. Click "Yes".



12) Click "<u>N</u>ext>" at the following screen where it asks you to code the device.

🛃 OnePort-DSG for VAG Gearbox Version 1.0.0, Build 0183 EXP - 31/12/2017 👥 💻 🌉			
OnePort-DSG for VAG Gear	box Version 1.0.0, Build 0183 EXP - 31/12/2017 Vehicle information : Detected ECU Type : Temic DQ250 Fix Vehicle Ident. No. : USB Device information : USB Device SN : 9128 - Slave Coded ECU Type : No ECU coding needed Coded Ident. No. : Clicking the 'Next' button will code your hardware device with the following information :		
	ECU Type : Bosch MED17 (TC1767) Identification number : WAUDFBFR2DA080013		
	Please verify these details are correct		
	Please click 'Next' to proceed		
	< Back Next > Close Help ++		

13) You will then be prompted with a dialog box asking for further confirmation. Click "Yes".



100 - 10185 1998 Street Langley, BC Canada V1M 3W9 P: 604-888-7274 F: 604-888-7276 www.hpamotorsport.com

🚰 OnePort-DSG for VAG Gearbox Version 1.0.0, Build 0183 EXP - 31/12/2017 🛛 📃 🗮 🖊			
	Vehicle information : Detected ECU Type : Temic DQ250 Fxx Vehicle Ident. No. :		
Are yr follov ECU 1 Identi	bu sure you would like to code your hardware device with the ving information : Type : Temic DQ250 Fxx fication number :		
FPAN	Yes No Please click 'Next' to proceed < Back		

- 14) For DQ380/DQ381/DQ500 MQB Transmissions Only: On the laptop "Function" screen click "Read ECU Memory". This will prompt you to save a file to a location.
- 15) When prompted, select a folder location you can remember and save the to the recommended file name. This process will fail but the tool has coded your DSG with the necessary modifications for reading.
- 16) At the "Function" screen, where you have an option to "Read ECU Memory", turn off the vehicle ignition and remove the OnePort dongle from the OBD2 port. **DO NOT** close the OnePort program or disconnect the USB cable from the laptop or dongle.
- 17) At this point, remove the intake air box. Under the air box you will find the DSG connector.



Z:\HPA MOTORSPORTS INC\PRODUCTS\ECU Flashing\ OnePORT-DSG Instructions_v4.0.pdf



18) Rotate the tab on the connector counter-clockwise to unlock and remove.



19) Now install the adapter cable's round connector onto the DSG mechatronic. Rotate the tap clockwise to click it in place.





- 20) Connect the OnePort Dongle to the OBD2 port on the cable.
- 21) Connect the alligator clips from the cable to the battery.
- 22) On the laptop "Function" screen click "Read ECU Memory"
- 23) When prompted, select a folder location you can remember and save the to the recommended file name.
- 24) The "Reading ECU memory..." status screen will appear and the process can take up to 15 minutes
- 25) When the process is complete you may prompted to turn off the ignition, if so click the "Ignition is OFF" button.
- 26) Remove key from ignition and disconnect the cables and reinstall OEM plug and airbox.
- 27) Email the file you saved to HPA.

Step 3) Write the new DSG tune file

- 28) Connect the USB cable directly to an available port on your and connect the other end to the OnePort dongle.
- 29) Plug the OnePort dongle into the OBDII port on your car.
- 30) Make sure both your laptop battery and car battery are fully charged. We recommend you hook the car up to a battery charger/maintainer if available.
- 31) Turn ignition to the ON position but DO NOT START THE CAR



100 - 10185 199B Street Langley, BC Canada V1M 3W9 P: 604-888-7274 F: 604-888-7276 www.hpamotorsport.com

32) Launch the OnePort user interface software by double clicking on the desktop icon and click "Next>".



33) Click "Next>" again.





100 - 10185 199B Street Langley, BC Canada V1M 3W9 P: 604-888-7274 F: 604-888-7276 www.hpamotorsport.com

34) Click "<u>N</u>ext>" one more time.



35) The OnePort software will attempt to detect your DSG Mechatronic Type.





36) Please note the red warning at the bottom the page is normal and can be ignored if the ECU type has not been detected.

🚼 OnePort-DSG for VAG Gearbox Version 1.0.0, Build 0183 EXP - 31/12/2017 👘 💻 🖊		
DSC Performance Flashing	Vehicle information : Detected ECU Type :	
	USB Device information : USB Device SN : 9128 - Slave Coded ECU Type : No ECU coding needed Coded Ident. No. : No identification needed	
	The system was not able to identify the vehicle's ECU type. If this is a result of an unsuccessfull programming please try to select the ECU type manually.	
	Please click 'Next' to proceed	
	< Back Next > Close Help ++	

37) Select the corresponding DSG Gearbox type from the pull-down bar at the top of the screen beside "Detected ECU Type" the same as you selected during the read process.

😭 OnePort-DSG for VAG Gearbox Version 1.0.0, Build 0183 EXP - 31/12/2017 🛛 📃 🗮 🌉			
DSC Performance Flashing	Vehicle Information : Detected ECU Type : Vehicle Ident. No. : USB Device Information USB Device SN : Coded ECU Type : Coded Ident. No. : The system was not able t if this is a result of an unsu ECU type manually.	Temic DQ200 Temic DQ200 MQB Gen #1 Temic DQ200 MQB Gen #2 Temic DQ250 Exx Temic DQ250 Exx Temic DQ250 Fxx Temic DQ250 Fxx Temic DQ250 MQB Temic DQ500 Temic DQ500 Temic DQ500 MQB Temic DL501 Gen #1 Temic DL501 Gen #1 Temic DL501 Gen #2 Temic DL501 Gen #2 Temic DL800 Bosch AL420 (GS19.11.4) Bosch AL600 (GS19.11.7) Marelli SL600	
	< Back	Next > Close Hel	p ++



100 - 10185 1998 Street Langley, BC Canada V1M 3W9 P: 604-888-7274 F: 604-888-7276 www.hpamotorsport.com

38) You will be prompted to confirm your selection. Click "Yes".

Steppert-DSG for	r VAG Gearbox Version 1.0.0, Build 0183 EXP - 31/12/2017
	Vehicle information : Detected ECU Type : Temic DQ250 Fxx Vehicle Ident. No. : USB Device information : OnePort-DSG
	Are you sure you know better ? Click 'Yes' to keep your new selection. Click 'No' to restore previous selection. type. se try to select the
Perform Flash	Yes No
FEX	Please click 'Next' to proceed
	< Back Next > Close Help ++

39) Click "<u>N</u>ext>" at the following screen.

😭 OnePort-DSG for VAG Gearbox Version 1.0.0, Build 0183 EXP - 31/12/2017 🛛 🗾 💳			
DSC Performance Flashing	Vehicle information : Detected ECU Type : Vehicle Ident. No. :	Temic DQ250 Fxx 👻	
	USB Device informatio USB Device SN : Coded ECU Type : Coded Ident. No. :	n : 9128 - Slave No ECU coding needed	
	Vehicle identification has The system is now ready	been retrieved and tested successfully. to communicate with this vehicle.	
	Please click 'Next' to pro	ceed	
	< Back	Next > Close Help ++	

- 40) At the "Function" screen, click on "Program ECU Memory".
- 41) Select the tuned file provided by HPA and click "Open"



- 42) When the process is complete you may be prompted to turn off the ignition, if so click the "Ignition is OFF" button.
- 43) Remove key from ignition and disconnect the cables from the OBDII port.
- 44) Start your car and enjoy your new flash!