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## AlfaPerformance Dongle OBD2 User Manual

### – Alfa Romeo Giulia & Stelvio 2.0 / Quadrifoglio

#### **Intended use and responsibility**

The AlfaPerformance OBD 2 dongle is intended for use in **sports and Track Day environments**, on **circuits and private areas**.

Some functions **are not approved for use on public roads** and may alter the original behavior of the vehicle.

The user is responsible for compliance with current regulations.

#### **Compatibility**

- Alfa Romeo Giulia 2.0 / Quadrifoglio
- Alfa Romeo Stelvio 2.0 / Quadrifoglio

#### **Description**

The AlfaPerformance OBD2 dongle is an advanced electronic module that connects to the vehicle's OBD2 socket and enables sports, diagnostic and monitoring functions directly on the original instrument panel, without permanent modifications to the control units.

#### **Installation**

1. Turn off the vehicle.
2. Connect the dongle to the OBD socket.
3. Start the vehicle first Ignition and Then Engine. The system initializes automatically.

#### **Access the Menu**

- Press and hold the RES button for approximately 1.5 seconds to open or close the menu.
- Push the SET button on the steering wheel up or down to navigate between items, see Menu Structure.
- Press RES briefly to confirm.



## Menu Structure

- AlfaPerformance
- Parameters
- Setup

## PARAMETERS – Real-Time Data

Display of the main vehicle parameters, ranging from 2.0 and QV

- Engine oil temperature - Oil level - Oil pressure - Coolant temperature - Gearbox temperature - Turbo pressure (relative and absolute) - Engine torque - Engine power - Engine speed (RPM) - Battery voltage
- Parameters may vary depending on the model



**For continuous display of the parameters, it is recommended to set the following in the dashboard menu:**

- Show phone info = OFF
- Show audio info = OFF
- Show navigation info = OFF



## PERFORMANCE

- Recording of maximum power, torque, Boost and RPM values.
- Acceleration measurements: - 0–100 km/h - 100–200 km/h
- On 2.0 Engine Resetting of records by quickly double-clicking the gear shift Release button, for QV Engine need to unplug the AlfaPerformance Dongle.

## SETUP – Special Functions

### Exhaust Valves (QV only)

- Quick double click of the Gearbox Release button: valves OPEN.
- Long press ( $\geq 3$  seconds) of the Gearbox Release button: valves CLOSED.
- The valves automatically return to their original management when the vehicle is turned off.

- Only for Giulia QV Open & Close Front Aereo splitter. In the Setup Menu, select AeroSplitter

If “AeroSplitter: Open” is displayed, briefly press the RES button to lower the splitter; press it again to close it.

Please note that after opening or closing the splitter, you must turn off the ignition to be able to adjust the position again.

- An immobilizer has been newly implemented for all models.

Important: The immobilizer is also configured in the setup menu using the SET UP button: Press SET UP to arm (active) or SET DOWN to disarm (deactivated). Then briefly press RES and select SAVE&EXIT to save the settings to the EEPROM. This ensures that if someone attempts to steal the vehicle, the panic alarm will sound.

It is recommended to set it to “Armed” only if absolutely necessary.

To deactivate the alarm, please send an email to [info@alfaperformance.ch](mailto:info@alfaperformance.ch)

#### Q4 Disabler (Giulia Q4 / Stelvio Q4 & QV)

- The Q4 Disabler function can be activated or deactivated from the Setup menu.
- Briefly pressing RES changes the status between Enabled (active) and Disabled (deactivated).

#### Start & Stop

- ON/OFF

setting from the Setup menu. • If set to OFF, the system is automatically deactivated each time the engine is started.

- The setting is stored in memory.

#### Dyno Mode

Test bench mode.

- Can only be activated when the vehicle is stationary. Short press RES sets ON/OFF
- Temporarily deactivates ABS controls for use on a test bench
- Automatically deactivates when the vehicle is switched off.

#### Clearing DTC Errors

- Vehicle stationary, gear shift in **N** and **engine off** .
- The menu must be visible in the instrument panel.
- Push the gear lever forward for **at least 3 seconds** .
- The deletion is performed automatically.
- When finished, the instrument panel returns to the previously displayed screen.

#### Saving Settings

The selected settings are stored and maintained even after the vehicle is switched off.

- Record MAX ON/OFF
- StartStop ON/OFF
- Immobilizer Armed/Disarmed

## Security Notes

- No permanent modifications to the control units.
- All functions are reversible
- Use the Performance , Q4 Disabler and Dyno Mode functions only in suitable environments.
- The manufacturer is not responsible for uses that do not comply with the Highway Code , and assumes no liability.

## Power Off Information

AlfaPerformance Dongle can remain connected to the OBD2 even when the car is off. The 3 CAN Transceivers are put into Standby after 5 seconds if no messages arrive from the CAN Bus, The Hardware goes Sleep after 10 seconds.

- AlfaPerformance recommends that at each shutdown the Menu be closed by the User by pressing the RES button for approximately 2 seconds.