Instrument cluster

Instrument cluster overview

The instrument cluster is the driver's information centre.

Applies to: vehicles with Audi virtual cockpit

Fig. 2 Instrument cluster overview

Applies to: vehicles with analogue instrument cluster

Fig. 3 Instrument cluster overview

Depending on your vehicle's equipment, the following content may be displayed in the instrument cluster:

① Display
- – Coolant temperature gauge . . 19
- – Boost pressure display 21

② Left dial
- – Rev counter 19

③ Tab area 17

④ Central area 17

⑤ Status line (one or two lines)

⑥ Reset button for trip recorder 20

⑦ Right dial
- – Convenience display
- – Speedometer

⑧ Display
- – Fuel gauge 265

⑨ Additional display on right with speedometer

⑩ Additional display on left with:
- – Transmission position . . . . . 85 ▶

WARNING

Applies to: vehicles with Audi virtual cockpit

The display may be deactivated if a serious system fault occurs. The warning lamp may also light up. Stop the vehicle safely. Obtain professional assistance.

Note

– Most of the illustrations on the following pages show the colour analogue instrument cluster*. The display and position of the elements may be different on the monochrome instrument cluster or the Audi virtual cockpit*.
– You can change the measurement units for temperature or speed, etc. via the infotainment system ⇨ *page 256*.
– If there is a fault in the instruments, the letters **DEF** appear in the trip recorder display. Have the fault rectified as soon as possible.
– Depending on the vehicle equipment, the instrument lighting (for dials and needles) may be switched on when the ignition is on and the vehicle's lights are off. The illumination of the dials and needles is automatically reduced as it becomes dark outside and is eventually switched off altogether. This function is intended to remind the driver to switch on the dipped headlights in good time.

How to use the multi-function steering wheel

Applies to: multi-function steering wheel plus

Fig. 4 Driver information system display (Audi virtual cockpit)

Fig. 5 Left side of multi-function steering wheel plus

The information in the instrument cluster is organised in different tabs (1). The details from each tab are displayed in the central area (2).

Important: The ignition must be switched on.

Selecting a tab

▸ Press the ◁ or ▷ button (3) repeatedly until the desired tab is selected.

Returning to the previous function level

▸ Press the ⮌ button (5).

Opening/closing a menu

▸ Press the left or right control button ❩ or ❨ (6).

Selecting and confirming a function

Important: A menu or a list must be displayed.

▸ To select a function, scroll the left thumbwheel (7) to the desired function.
▸ To confirm a selection, press the left thumbwheel (7).

Changing views

▸ Press the VIEW button (4) ⇨ *page 18*.

The equipment installed on your vehicle determines which of the following tabs are available:

1st tab	Vehicle functions ⇨ *page 21*
2nd tab	Driver messages (only visible if one or more warning/indicator lamps or driver messages are displayed)
3rd tab	Radio ⇨ *page 167* Media ⇨ *page 167*

4th tab	Telephone ⇨ *page 168*
5th tab	Navigation ⇨ *page 169*

Control buttons

Applies to: vehicles with Audi virtual cockpit

Fig. 6 Selection menu and options menu

Left control button

– **To call up/close the selection menu**: Press the left control button ⇨ *Fig. 6* on the multi-function steering wheel. You can use the left thumbwheel to select and confirm a function in the selection menu (e.g. to select a new waveband).

Right control button

– **To call up/close the options menu**: Press the right control button ⇨ *Fig. 6* on the multi-function steering wheel. You can use the left thumbwheel in the options menu to select context-sensitive functions or change certain settings (e.g. extended programme information).

Note

Whether a selection menu or options menu is available depends on the function you have selected.

Changing views

Applies to: vehicles with Audi virtual cockpit

Fig. 7 Standard view: classic/sport*

Fig. 8 Extended view

Changing views

- Press the VIEW button (4) ⇨ *page 17, Fig. 5* to switch from the standard view ⇨ *Fig. 7* to the extended view ⇨ *Fig. 8*. Press the VIEW button again to return to the standard view.

Choosing a standard view

Applies to: vehicles with sport view

You can choose between classic and sport view, depending on your vehicle's equipment.

- Call up the first tab (Vehicle functions) using the ◁ / ▷ button on the multi-function steering wheel.
- Select the following on the multi-function steering wheel: left control button > **Layout** > **Sport layout** or **Classic layout**.

Changing settings for additional display

The additional displays that can be selected vary depending on the equipment installed on your vehicle.

- Call up the first tab (Vehicle functions) using the ◁ / ▷ button on the multi-function steering wheel.
- On the multi-function steering wheel, select right control button > **Additional display**.
- Select the desired additional display.

Note

Applies to: vehicles with sport view

Always select the desired standard view before starting a journey, because the display functions will not be available for a few seconds.

Coolant temperature gauge

Applies to: vehicles with coolant temperature gauge

The coolant temperature gauge (1) ⇨ *page 16* only works when the ignition is switched on. In order to avoid possible damage to the engine, please read the following notes for the different temperature ranges.

Engine cold

If the LEDs are still in the lower range of the display, this indicates that the engine has not yet reached operating temperature. Avoid high engine speeds, full acceleration and heavy engine loads.

Normal temperature

The LEDs will settle somewhere in the centre of the display once the engine has reached operating temperature. If the warning lamp lights up in the instrument cluster display, the coolant temperature is too high ⇨ *page 278*.

CAUTION

– Additional lights and other accessories in front of the air inlet reduce the cooling effect of the radiator. At high outside temperatures and high engine loads, there is a risk of the engine overheating.
– The front spoiler also ensures proper distribution of the cooling air when the vehicle is moving. If the spoiler is damaged this can reduce the cooling effect, which could cause the engine to overheat. Obtain professional assistance.

Note

Applies to: vehicles with diesel engine

These engines are so efficient that they may not reach their full operating temperature in very cold weather. This is quite normal and no cause for concern.

Rev counter

The rev counter (2) ⇨ *page 16* indicates the number of engine revolutions per minute. The start of ▶

the red zone on the dial indicates the maximum engine speed which may be used briefly in all gears when the engine is warm and after it has been run in properly. However, it is advisable to change up a gear or move the selector lever to D/S (or lift your foot off the accelerator) before the needle reaches the red zone.

Engine speed governing

Applies to: vehicles with engine speed governing

If the indicator lamp lights up, the engine speed will automatically be governed to the speed displayed in the instrument cluster. This protects the engine components, e.g. against overheating or when starting a cold engine.

The rev limiter is deactivated when you take your foot off the accelerator briefly while the engine is running at its normal operating temperature.

If the rev limiter has been activated because of a fault in the engine management system, the indicator lamp or EPC will also light up. Make sure that the engine speed does not exceed the speed displayed in the driver information system, for example when shifting down a gear. Drive to a qualified workshop without delay and have the fault rectified.

CAUTION

The rev counter needle (2) must only ever briefly go into the red zone on the scale; otherwise there is a risk of engine damage. The start of the red zone on the dial is different for some engine versions.

Mileage recorder

The trip recorder and odometer are displayed in the status line (5) ⇨ *page 16*.

The trip recorder shows the distance that has been travelled since it was last reset. It is used to measure individual journeys. The odometer records the vehicle's total mileage.

Resetting trip recorder

▸ To reset the trip recorder to zero, press the reset button (6) ⇨ *page 16*.

Outside temperature display

The outside temperature is displayed in the status line (5) ⇨ *page 16*.

When the vehicle is stationary or travelling at very low speeds, the temperature displayed in the instrument cluster may be higher than the actual outside temperature as a result of the heat radiated from the engine.

At temperatures below +5°C a snowflake symbol appears next to the temperature display ⇨ ⚠.

WARNING

Do not rely on the outside temperature display as an ice warning. Bear in mind that there may be patches of ice on the roads even at outside temperatures around +5 ℃ – risk of accident!

Engine oil temperature gauge

Applies to: vehicles with engine oil temperature gauge

The engine oil temperature is indicated by a bar display in the instrument cluster, depending on your vehicle's equipment.

Applies to vehicles with analogue instrument cluster: Call up the lap timer ⇨ *page 118*.

▸ Applies to vehicles with Audi virtual cockpit: Call up the vehicle functions tab and change to the extended view or the sport view* ⇨ *page 18*.

The display shows --- °C at low engine oil temperatures.

The engine has reached its operating temperature in normal driving conditions when the oil temperature is between 80 ℃ and 120 ℃. If the engine is running under increased load at high ambient temperatures, the oil temperature may increase above this value. This is no cause for concern, provided that the indicator/warning lamps or are not lit.

Boost display

Applies to: vehicles with boost display

The current boost level of the engine (that is, the current charge pressure) is indicated by a bar.

▸ Applies to vehicles with Audi virtual cockpit: Call up the vehicle functions tab and change to the extended view or the sport view* ⇨ *page 18*.

Vehicle functions

Overview

The on-board computer is displayed in the first tab of the driver information system. Further vehicle functions are available depending on the equipment on your vehicle.

▸ Press the left control button.

– On-board computer ⇨ *page 21*, or ⇨ *page 22*
– Efficiency program ⇨ *page 23*
– Digital speedometer
– Lap timer ⇨ *page 118*
– Assist
– Traffic signs ⇨ *page 115*
– Reduced display
– Lap times ⇨ *page 118*
– Statistics ⇨ *page 119*
– Layout ⇨ *page 18*

On-board computer (Audi virtual cockpit)

Applies to: vehicles with Audi virtual cockpit

Fig. 9 Instrument cluster: Consumption display

Resetting values to zero

Important: The **consumption**, **short-term memory** or **long-term memory** display must be selected.

▸ To reset the figures in the selected memory to zero, press the left thumbwheel on the multifunction steering wheel for one second. Or:
▸ On the multi-function steering wheel, select right control button > **Reset values***.

The equipment installed on your vehicle determines which of the following displays are available:

– Date and time ⇨ *page 256*
– Average fuel consumption ⇨ *page 21*
– AdBlue range ⇨ *page 267*
– Short-term memory summary
– Long-term memory summary
– Energy consumers ⇨ *page 21*
– Driver assistance ⇨ *page 121*
– Traffic sign recognition

The short-term memory collects the information on a journey from the time the ignition is switched on until it is switched off. If the journey is resumed within two hours after the ignition is switched off, the new figures are automatically included in the calculation.

Unlike the short-term memory, the long-term memory is not erased automatically. In this way, you can determine the period for which you wish the on-board computer to supply driving information.

Average fuel consumption

The current power consumption can be shown in a bar display. The average power consumption from the short-term memory can also be displayed. If the bar turns green, your vehicle is saving energy (e.g. using recuperation).

Energy consumers*

In the **Energy consumers** view, auxiliary equipment currently affecting the vehicle's fuel consumption is listed. The display shows up to three energy consumers. The energy consumer drawing the most power appears at the top of ▶

the list. If more than three energy consumers are switched on, the ones currently using the most power are displayed. In addition, a scale indicates the overall current fuel consumption of all energy consumers.

Economy tips*

Applies to: vehicles with Audi drive select and efficiency mode

In **efficiency** mode, economy tips are shown briefly on the instrument cluster display in certain situations where fuel economy is affected. By following these economy tips, you can save fuel.

To clear an economy tip from the display immediately, press the left thumbwheel on the multi-function steering wheel.

To activate/deactivate economy tips: Select the following on the infotainment system: MENU button > **Car** > **Audi drive select**. Select: **efficiency** > right control button > **Economy tips**.

Note

- The date, the time and the time/date display format can be changed via the infotainment system ⇨ *page 256*.
- The economy tips are not always displayed in every conceivable situation, but are deliberately spaced out over time.
- Once you have cleared an economy tip from the display, it will not appear again until the next time you switch on the ignition.

On-board computer (analogue instrument cluster)

Applies to: vehicles with analogue instrument cluster

Fig. 10 Instrument cluster: Consumption display

Depending on the vehicle's equipment, you may be able to call up different displays on the on-board computer. Alternatively, specific types of information may be shown, such as the mileage recorder.

Resetting values to zero

Important: The **consumption**, **short-term memory** or **long-term memory** display must be selected.

▸ To reset the figures in the selected memory to zero, press the left thumbwheel on the multi-function steering wheel for one second.

On-board computer

On the on-board computer you can call up the following displays in turn by scrolling the left thumbwheel on the multi-function steering wheel:

– Date ⇨ *page 256*
– Range
– AdBlue range* ⇨ *page 267*
– Short-term memory 1
– Average fuel consumption
– Long-term memory 2
– Engine oil temperature*

The short-term memory collects the information on a journey from the time the ignition is switched on until it is switched off. If the journey is resumed within two hours after the ignition is switched off, the new figures are automatically included in the calculation.

Unlike the short-term memory, the long-term memory is not erased automatically. In this way, you can determine the period for which you wish the on-board computer to supply driving information.

Note

The date, the time and the time/date display format can be changed via the infotainment system ⇨ *page 256*.

Efficiency program

Applies to: vehicles with efficiency program

Resetting values to zero

▸ To reset the figures in the selected memory to zero, press the left thumbwheel on the multi-function steering wheel for one second.

The efficiency program can help to save fuel. It evaluates fuel efficiency data, shows a list of auxiliary equipment affecting fuel consumption, and suggests gear changes. It also provides economy tips for saving fuel.

The efficiency program uses the trip and fuel consumption data from the short-term memory. When you clear the data from the efficiency program, the values in the short-term memory are reset to zero.

The following additional displays are available in the efficiency program, depending on the vehicle equipment:

– **Advanced gear shift indicator**: The advanced gear shift indicator is based on the same logic as the “regular” gear shift indicator. The “regular” gear shift indicator disappears from the display when the advanced gear shift indicator appears ⇨ *page 23*.
– **Energy consumers**: The efficiency program shows a list of energy consumers currently affecting the vehicle's fuel consumption. The display shows up to three energy consumers. The energy consumer drawing the most power appears at the top of the list. If more than three energy consumers are switched on, the ones currently using the most power are displayed. In addition, a scale indicates the overall current fuel consumption of all energy consumers.
– **Economy tips**: Economy tips will automatically appear intermittently in the efficiency program in certain situations. By following these economy tips, you can save fuel. To clear an economy tip from the display immediately, press any of the controls on the multi-function steering wheel.

Gear shift indicator

To familiarise yourself with the gear shift indicator, drive in the normal way to start with. A gear change will be recommended on the instrument cluster display if the gear you are in is not the most economical choice. If no gear change is recommended, you are already in the most economical gear.

Vehicles with manual gearbox

– ▶ **Change up a gear:** The suggested gear appears to the right of the current gear when a higher gear is recommended.
– ◀ **Change down a gear:** The suggested gear appears to the left of the current gear when a lower gear is recommended.
– ▶**N**: This is displayed in place of the current gear. Put the gear lever in neutral and take your foot off the clutch pedal. The engine will be switched off automatically.

Vehicles with automatic gearbox

The display is only visible in tiptronic mode ⇨ *page 86*. The symbol ↑ after the current gear means **change up a gear**.

CAUTION

The gear shift indicator is intended to help save fuel. It is not intended to recommend the right gear for all driving situations. In certain situations, only the driver can choose the correct gear (for instance when overtaking or driving up a steep gradient).

Further function selector buttons

Applies to: multi-function steering wheel plus

Fig. 11 Right side of multi-function steering wheel plus

Adjusting the volume

You can adjust the volume of an audio source or system message (e.g. during a speech dialogue) directly while it is being played.

- To turn the volume up/down, scroll the right thumbwheel (3) ⇨ *Fig. 11* up/down or turn the volume control knob ⇨ *page 155, Fig. 122* clockwise or anti-clockwise.
- To mute the sound, press the right thumbwheel or the volume control knob.

Selecting the previous/next track/station

- Press the |◁◁ / ▷▷| button (4) or briefly push the volume control knob to the left/right.

Fast forward/rewind

- Press and hold the |◁◁ / ▷▷| button (4) or push the volume control knob to the left/right and hold it there until the desired playing position is reached.

Quick access button on steering wheel

Button (5) gives you quick access to various functions, depending on your vehicle's equipment.

You can program the ✳ button with various functions.

- To use the function currently programmed, press the ✳ button.
- To find out which function is currently programmed, press and hold the ✳ button. Or:
- Select the following on the infotainment system: MENU button > **Car** > left control button > **Vehicle settings** > **Steering wheel button**.
- Select and confirm the desired function.

Repeating the last navigation cue

- Press the NAV button (6) while route guidance is active.
- To adjust the volume of the navigation cues, scroll the right thumbwheel (3) up/down during route guidance while a navigation cue is being spoken.

Switching the voice control function on/off

button (2); refer to ⇨ *page 173*.

Operating telephone functions

button (1); refer to ⇨ *page 168*.

This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s).
Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.
L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage,
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/ TV technician for help.

CAUTION:
Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

This device complies with FCC and ISED radiation exposure limits. Equipment should be operated with minimum distance of 3 cm between the radiator and the user.

Cet équipement est conforme aux limites d'exposition aux radiations établies par FCC et l'ISDE. L'équipement doit être utilisé avec une distance minimale de 3 cm entre l'antenne de l'apareil et l'utilisateur.