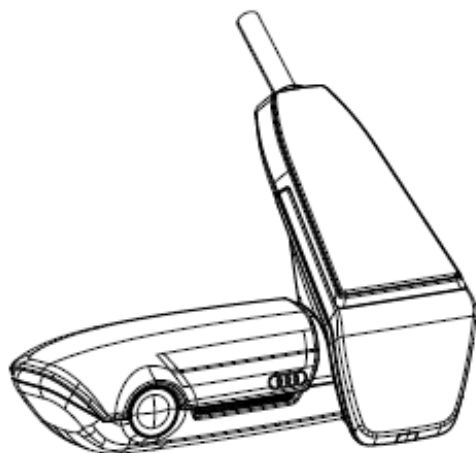


AUDI UTR (Universal Traffic Recorder)

Operating instructions



German
English
French
Spanish
Russian
Japanese
Korean
Chinese

Version 2.1 – 2021-11-10

Contents

Please read before proceeding!	3
General product information	3
Safety instructions	3
Commissioning	4
Updates	4
Operation	6
Pairing with your smartphone	6
Time setting	7
Operating modes	8
Driving mode	8
Parking mode	8
Event recordings	8
Memory usage	9
Manually switching on and off	9
Front camera	10
Rear camera	11
Interior Camera	11
Start menu in the app	12
Settings	13
Modes	14
Imprint	15
Service	15

Please read before proceeding!




General product information

When installing the Universal Traffic Recorder (AUDI UTR), only use the original parts supplied with the product. The AUDI UTR is connected to the vehicle via a vehicle-specific wiring harness that is not part of the basic package. The wiring harness can be purchased separately from Audi Customer Service or a specialist retailer. The UTR must be installed by an AUDI partner or a qualified workshop to ensure that the system is fitted properly. The installation must also be carried out in accordance with the available AUDI Genuine installation instructions. These installation instructions can be obtained from Audi Customer Service or <https://erwin.audi.com>.

Read the operating instructions carefully before commissioning your AUDI UTR for the first time.

Please note that the lawfulness of functions such as recording, storing and transmitting information is subject to the data protection regulations of the country in which the vehicle is operated. In Germany, the applicable regulation is the Federal Data Protection Act (BDSG).

Safety instructions

-  The front camera may be removed only for maintenance purposes (cleaning; inserting and removing the data memory) and it must be re-inserted before driving.
-  Do not operate your smartphone, the AUDI UTR or the associated app while driving to ensure that you are always concentrating on the road.
-  Before driving, ensure that all of the vehicle occupants consent to an audio recording being taken by the UTR and ensure that they comply with the applicable legal requirements for the respective country or region when using the AUDI UTR. Please check in advance whether the use of the UTR is permitted by law in your area and whether there are any restrictions with regard to the use of the acquired image or video data. Users must always comply with legal regulations.



AUDI AG does not have access to the data obtained via the AUDI UTR, the data from the app or the data saved on the customer's smartphone. Furthermore, the data is not stored in the customer's vehicle.

The connection between the customer's smartphone and the AUDI UTR is encrypted by WPA/WPA2 and can be modified by the customer at any time.

GPS data is recorded by the AUDI UTR to determine the vehicle's position and speed. The recorded data is deleted after a specific period of time – refer to the operating instructions: Storage capacity.

For your safety, please observe and follow all other safety instructions.

Commissioning



Insert the memory card (µSD) into the device. Insert and remove the memory card only when the device is switched off, otherwise the data will be damaged and malfunctions may occur. Please use only the highest-quality AUDI-approved memory cards with at least 10,000 write cycles and a write speed of "Class 10" to prevent errors. The µSD cards have a warranty of six months.

Updates

Future legislative changes may result in changes to the functionality of the UTR. It is therefore necessary to update the UTR regularly.

The system can be updated via the smartphone app or via the µSD card. The smartphone app checks for an available update each time it connects to the UTR. The latest version of the smartphone app is required for this feature.

The UTR can be updated without a smartphone by using the µSD card. The relevant firmware can be downloaded from the following link:
<http://www.Service-UTR.com/Audi/UTR2.0/>

Once the file (file extension *.muf) has been downloaded, it can be copied to the top file level of the memory card on a PC or Mac.

Once the µSD card has been inserted into the UTR and the vehicle ignition has been switched on, the update process starts automatically.

Note: Some Internet browsers (e.g. Microsoft Internet Explorer) do not support the download of the UTR firmware. Please use alternative browsers (e.g. Mozilla Firefox, Google Chrome etc.).

Operation



When the ignition is switched on, the UTR automatically activates "Driving mode" and records the journey on the µSD card. When the ignition is switched off, the UTR automatically switches to "Parking mode", in which the vehicle is monitored by radar and G-Sensor. If a person approaches your vehicle or if your vehicle experiences a physical impact, the camera is activated and records the action in a short video. If your vehicle is parked for a long time, the radar system deactivates after a set amount of energy has been used. From then on, your vehicle is monitored only by the G-Sensor ("Standard" setting: radar monitoring is active for 34 hours, following which the G-Sensor alone is active for a further 40 hours). When the UTR is in Parking mode with the "Event-only" setting applied, the vehicle can be monitored for up to 20 days.

Pairing with your smartphone



In principle, the basic settings of the UTR enable operation even without a connection to a smartphone. Audible alerts keep you updated on the operating status of your UTR. You can also watch the recordings via a video player on a PC (e.g. VLC player etc.) after you have connected the µSD card to your PC or MAC. In addition to conventional media players, THE "AUDI UTR Viewer" program can be used on your PC. This program enables additional analyses. You can download the "AUDI UTR Viewer" from the following link:

<http://www.service-utr.com/Audi/Viewer/>

To use the UTR with your smartphone (iOS or Android), you must first download the free "AUDI UTR" app from the App Store (iOS) or Google Play Store (Android). To pair your smartphone with the UTR, please enable Wi-Fi on your phone and connect to the hotspot (SSID) AUDIUTR. The default password is 1234567890.

Please change the default password immediately by opening the AUDI UTR app and going to Settings > Wi-Fi.

After changing your password, you must log in to the Wi-Fi hotspot of the UTR using the new password.

Alternatively, the UTR can be connected via the vehicle Wi-Fi hotspot.

Note:


Only in combination with Audi connect Navigation & Infotainment (Plus)

You can configure the connection to your vehicle Wi-Fi hotspot via the Audi UTR app under the "Wi-Fi" menu item. To do this, select the "Vehicle Wi-Fi Hotspot" item and enter the SSID and password of your vehicle Wi-Fi hotspot.

When you start the app for the first time, you must select the region in which you operate the UTR using the flag icon. This setting relates to legal requirements regarding the functionality of the UTR. You can change the region setting at any time under the "Software" item. The app language depends on your smartphone settings.

 The operating instructions containing detailed explanations of the individual functions are available in the smartphone app under "Software".

Time setting

 The UTR automatically sets the time and date using GPS time (UTC). The time is adjusted for your time zone and the appropriate summer and winter time by aligning with the time set in your smartphone.

Your device is now ready for operation!

Operating modes

Due to different legal requirements, not all of the features listed in this manual are available in every country or region.

Driving mode

Activated automatically when the ignition is switched on. Depending on the selected settings, the UTR either starts to continuously record a video and write it to the memory card in sequences or will take a recording only when vibrations (G-Sensor) are detected.

Parking mode

Parking mode is activated approximately one minute after the ignition is switched off. A 20-second sequence is recorded if the vehicle experiences vibrations or if any motion is detected in front of the radar sensors.

If the recording is triggered by vibrations, it is saved in the "Event" folder on the SD card. If the recording was triggered by motion, it is recorded in the "Parking" folder. Radar detection, vibration detection and image analysis can be configured via the app.

When in Parking mode, the UTR monitors its own energy requirements and the status of the car battery and switches off when the limit value is reached to conserve the energy of the car battery and keep your vehicle operational.

Event recordings

If the vehicle experiences vibrations above the value set for the G-Sensor, separate video files are saved in the "Event" folder on the memory card. Such events are therefore easier to find and are not overwritten as quickly. The start of the event recording is signalled by three beeps.

The sensitivity of the G-Sensor can be set to one of five levels.

Memory usage

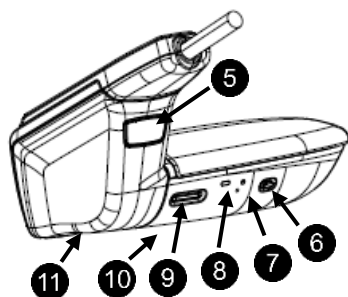
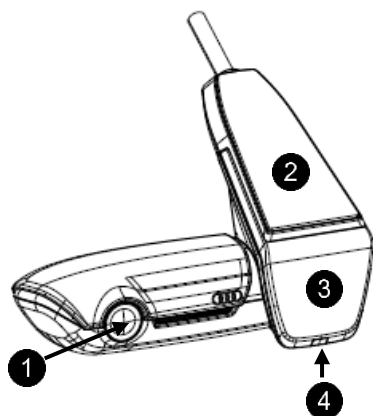
The system separates the memory card into different areas for each respective operating mode (Driving, Parking, Event). In each memory area, the oldest recording is overwritten by the most recent recording. You should therefore back up the data immediately if an incident has occurred. You can download the data to your smartphone via the UTR app or remove the SD card (after switching off the device) to prevent the files from being overwritten. If you edit the SD card on your PC and then use it again with the camera, the SD card will be formatted, clearing all existing videos in the process!

You can use the "SD Format" feature via the app.

Manually switching on and off

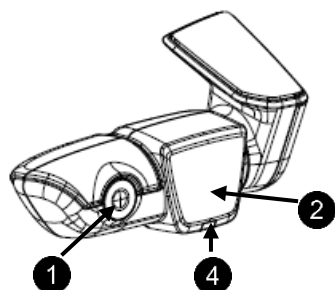
Briefly pressing the ON/OFF button switches the system on. Press and hold the button (for 3 to 10 seconds) to switch off the system.

Front camera

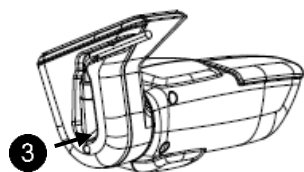


- 1 Camera lens
- 2 GPS
- 3 Radar
- 4 Safety LED
- 5 Button for detaching the camera (push forwards)
- 6 Power button:
 - Camera ON/OFF
 - Switch on: ≤ 3 sec.
 - Switch off: > 3 to 10 seconds (2 beeps)
 - Microphone ON (LED red)/OFF
 - While the device is on; ≤ 3 sec.
 - Start formatting: 6x in succession; ≤ 3 sec.
 - Restore factory settings: ≥ 20 sec. (3 beeps)
- 7 Restart button
 - For restarting the device
- 8 LED to indicate the Wi-Fi status (red Access Point)
- 9 Micro SD slot
 - Only insert and remove the card when the device is switched off
- 10 Speaker
- 11 Microphone

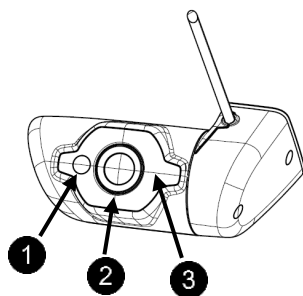
Rear camera



- ① Camera lens
- ② Radar
- ③ Connector for the connecting cable
- ④ Safety LED



Interior Camera



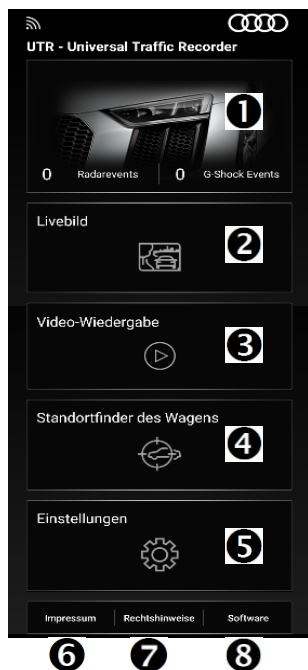
- ① Infrared LED
- ② Camera lens
- ③ Function LED

The interior camera can be purchased separately and activated via the app.

Start menu in the app

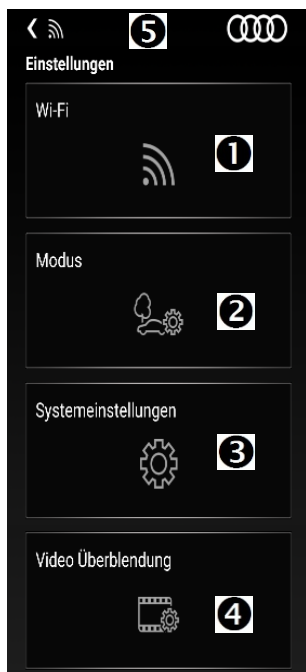
Launch the app and turn on your Wi-Fi. The main menu opens.

You can access the functions by tapping on the icons. The recording may be temporarily paused when certain functions are selected.



- 1 Overview of the events during Parking mode; since the last time the ignition was switched off
- 2 View "Live"
- 3 Video Gallery:
Overview of the videos stored on the device; videos can be viewed (limited resolution) and downloaded (full resolution)
- 4 Car Finder (data will be transferred to your mobile phone only if your mobile phone is connected to your UTR at the time when the ignition is switched off)
- 5 Settings
- 6 Imprint
- 7 Legal information
- 8 Software version, update options and operating instructions

Settings



- 1 Change Wi-Fi settings
AP: The UTR creates its own network
Vehicle Wi-Fi Hotspot: The UTR is integrated into the AUDI hotspot network (depending on the vehicle equipment)
- 2 For settings of the operating modes
- 3 System Settings:
Date, time, reset to factory settings, format uSD card
- 4 Video Overlay:
Here you can activate/deactivate overlays in the video such as time, date, position, driving speed etc.
- 5 Connects the app to the UTR

Modes



- ① Driving mode (active when the vehicle ignition is switched on)
Standard: Front and rear camera @ 30 fps
Race: only front camera @ 60 fps;
G-Sensor deactivated
- ② Parking mode (active when the ignition is switched off and the vehicle is parked)
Standard: Radar monitoring with medium sensitivity for urban environments. Only movements close to the vehicle or vibrations trigger a recording
Event-only: Only vibrations trigger a recording
Off: No monitoring
- ③ Channel
Front only: Recordings taken from the front only
Front + Rear: Recordings taken from the front and rear
- ④ G-Sensor sensitivity settings in Driving mode: 1 (minimum sensitivity) to 5 (maximum sensitivity); if the G-Sensor is triggered, three beeps will sound and the video recording will be stored in the "Event" folder.
- ⑤ G-Sensor sensitivity settings in Parking mode: 1 (minimum sensitivity) to 5 (maximum sensitivity)
- ⑥ Radar sensor sensitivity settings in Parking mode (1 = immediate close range; 3 = maximum range)
- ⑦ Save settings
- ⑧ Reset settings

Imprint

All rights reserved. These operating instructions are protected by copyright. We reserve the right to make technical and optical changes. Subject to printing errors. The information contained in this document may be changed at any time without prior notice. AUDI reserves the right to modify and improve products and to make changes to the content without the need to notify to any persons or companies. Device specifications and the scope of delivery may differ from the information given here.

Service

For up-to-date information or if you have questions about using your AUDI UTR, please refer to the detailed operating instructions (available in various languages as a PDF in the app under "Software") or contact your AUDI partner.

Technical specifications

Item		Specification
Operating Voltage		7~19 V
Power Consumption	Driving Mode	~370 mA @12.8 V
	Parking Mode	LC: ~20 mA @12.8 V VLC: ~3.2 mA @12.8 V
	Off	100 µA @12.8 V
Storage Temperature		-40~+105 °C
Operation Temperature		-40~+85 °C
Dimension	Front Cam	131 x 84.2 x 84 mm
	Rear Cam	119.6 x 64.7 x 49.5 mm
Resolution	Front Cam	QHD (2560x1440p)
	Rear Cam	QHD (2560x1440p)
Viewing Angle	Front Cam	137° D, 114° H, 61° V
	Rear Cam	137° D, 114° H, 61° V
Video Format		H.265
Audio Format		AAC
Image Format		JPG

(Blank page – to ensure an even number of pages or for the table of contents for the next language)