



Product and Technology Communications

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Mobility goes smart and individual: Audi at CES 2020

- **The AI:ME show car as an empathetic mobility partner**
- **3D mixed reality head-up display and Audi Intelligence Experience**
- **From driving experience to personal experience drive with Audi**

Las Vegas/Ingolstadt, January 6, 2020 – At the 2020 Consumer Electronics Show (CES), Audi will once again display exciting exhibits – from futuristic vision vehicles to technologies ready for series production. In doing so, the premium brand is defining the digital experience of the future. CES is one of the world’s biggest specialized fairs for consumer electronics and is considered to be an indicator of future topics. It will take place from January 7 to 10, 2020, in Las Vegas.

Open the door, take a seat, and get away from the urban stress: The fully automated Audi AI:ME represents a personal “third living space,” alongside our homes and workplaces, that is familiar with the desires and needs of its users. Passengers can use eye tracking to communicate with the show car intuitively and have it order their favorite food, for example. They can also enjoy a wellness experience in the AI:ME: A pair of VR goggles in the car allows the occupants to enjoy a virtual flight across a spectacular mountain landscape. The technology adapts virtual content to the movements of the vehicle in real time. The result: Passengers can fully relax and get away from their hectic day-to-day lives. They return to reality when they have arrived at their destination. The ordered food was delivered on time, coordinated by the AI:ME on the basis of the users’ personal preferences and the car’s navigation data. Journalists can test this concept of an empathetic mobility partner as part of an automated drive at CES 2020.

Audi Intelligence Experience: the empathetic car

A car that thinks for itself and is even empathetic? The “Audi Intelligence Experience” shows how it’s done: The car knows its user and their habits and uses intelligent functions combined with artificial intelligence to increase the passengers’ safety, wellbeing, and comfort. The self-learning navigation system is already integrated in the current generation of the MMI systems. It saves preferred destinations, connects them with the date, time, and current traffic situation, and derives suggested routes from this data. In the future, the car will also conduct a precise analysis as to the functions and settings that its user prefers, ranging from the seat position, media, route guidance, and temperature to the fragrancing of the interior. After a short time, the empathetic Audi is familiar with the user’s preferences and implements them autonomously. If desired, it even bases its settings on the user’s condition by observing their driving style and vital functions. At CES 2020, visitors can experience the basic functions of the Audi Intelligence Experience in a prototype.



Two displays, two innovations: spacial vision and the on-demand offer

A navigation arrow that points exactly into the side road where the destination is located: This will already become reality in an exhibit in 2020 with the 3D mixed reality head-up display. Audi will present the new technology it developed in cooperation with Samsung at CES. Just like with a 3D television, two views are generated of each picture: one pixel for the left eye and the neighboring pixel for the right eye. To the driver, the pictures of the 3D mixed reality head-up display appear to be floating at a distance of 8 to 10 meters; through clever representation, the apparent distance is even increased to over 70 meters. Advantage: The eyes, accustomed to a long-range view, do not have to refocus.

The transparent display on demand is a further highlight: The screen is 15 cm high, 122 cm wide, and partially embedded into the instrument panel. It offers two layers: a transparent OLED display and a black layer for a particularly deep shade of black. The highlight: Sections of the display that are not required for showing information remain transparent. They give the impression of a glass pane and thus offer an unobstructed view of the road.

The future of the automobile is fully electric and intelligently connected

More than just a pie in the sky: The current Audi models offer networking at its finest. The new 3rd generation modular infotainment platform, or MIB 3 for short, is the core. Its main processor operates ten times faster than the MIB 2. This provides significant improvements in terms of route planning and traffic forecasts, for example. Audi will also present the latest innovations in the area of lighting technology at CES 2020. Should the driver get tired, special light can provide a remedy: Blue, cool white light, for example, has a stimulating and invigorating effect. The Audi project "Human-Centric Lighting" illustrates how the way you feel can be influenced by targeted light colors to support the passengers' concentration and memory, for example.

The portfolio of the exhibits shown at the Audi booth at CES range from the [Audi AI:ME](#) vision vehicle and the near-production-level show car [Audi Q4 e-tron concept](#) with a 12.3-inch touchscreen all the way to the [Audi e-tron Sportback](#) (combined electric power consumption in kWh/100 km*: 26.0–21.9 (WLTP); 22.7–20.6 (NEDC); combined CO₂ emissions in g/km: 0) with digital matrix LED headlights, which will already be available in the spring of 2020.

More information is available from the Audi Media Center at:
<https://www.audi-mediacyber.com/en/ces-2020-exclusive-12281>

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** Information on fuel/electric power consumption and CO₂ emission figures given in ranges depend on the equipment selected for the vehicle*



The specified fuel consumption and emission data have been determined according to the measurement procedures prescribed by law. Since September 1, 2017, certain new vehicles are already being type-approved according to the Worldwide Harmonized Light Vehicles Test Procedure (WLTP), a more realistic test procedure for measuring fuel consumption and CO₂ emissions. Starting on September 1, 2018, the New European Driving Cycle (NEDC) will be replaced by the WLTP in stages. Owing to the more realistic test conditions, the fuel consumption and CO₂ emissions measured according to the WLTP will, in many cases, be higher than those measured according to the NEDC. For further information on the differences between the WLTP and NEDC, please visit www.audi.de/wltp.

We are currently still required by law to state the NEDC figures. In the case of new vehicles which have been type-approved according to the WLTP, the NEDC figures are derived from the WLTP data. It is possible to specify the WLTP figures voluntarily in addition until such time as this is required by law. In cases where the NEDC figures are specified as value ranges, these do not refer to a particular individual vehicle and do not constitute part of the sales offering. They are intended exclusively as a means of comparison between different vehicle types. Additional equipment and accessories (e.g. add-on parts, different tire formats, etc.) may change the relevant vehicle parameters, such as weight, rolling resistance and aerodynamics, and, in conjunction with weather and traffic conditions and individual driving style, may affect fuel consumption, electrical power consumption, CO₂ emissions and the performance figures for the vehicle.

Fuel consumption and CO₂ emissions figures given in ranges depend on the tires/wheels used and chosen equipment level. Further information on official fuel consumption figures and the official specific CO₂ emissions of new passenger cars can be found in the "Guide on the fuel economy, CO₂ emissions and power consumption of all new passenger car models," which is available free of charge at all sales dealerships and from DAT Deutsche Automobil Treuhand GmbH, Hellmuth-Hirth-Str. 1, 73760 Ostfildern, Germany, or under www.dat.de.

The Audi Group, with its brands Audi, Ducati and Lamborghini, is one of the most successful manufacturers of automobiles and motorcycles in the premium segment. It is present in more than 100 markets worldwide and produces at 18 locations in 13 countries. 100 percent subsidiaries of AUDI AG include Audi Sport GmbH (Neckarsulm), Automobili Lamborghini S.p.A. (Sant'Agata Bolognese, Italy) and Ducati Motor Holding S.p.A. (Bologna, Italy).

In 2018, the Audi Group delivered to customers about 1.812 million automobiles of the Audi brand, 5,750 sports cars of the Lamborghini brand and 53,004 motorcycles of the Ducati brand. In the 2018 fiscal year, AUDI AG achieved total revenue of €59.2 billion and an operating profit before special items of €4.7 billion. At present, approximately 90,000 people work for the company all over the world, more than 60,000 of them in Germany. Audi focuses on sustainable products and technologies for the future of mobility.
