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## Predictive route data

The top navigation system, the MMI navigation plus, is networked in a pioneering manner with the driver assistance and safety systems on board the large Audi models. Its navigation database describes the entire European road system in countless details.

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The navigation system uses a protocol developed by Audi to provide the information predictively to the computers that manage the Audi adaptive cruise control with stop & go function, the headlights and the automatic transmission. This enables these systems to precisely adapt their function to the given conditions in advance.

On the highway, the radar-assisted cruise control can also precisely compute the lanes in curves. On winding country roads the automatic transmission does not unnecessarily upshift on short straight stretches. And in urban areas, the junction lights go on as the car approaches the intersection even if the driver does not signal – this ensures even better safety.

Status: 2011