

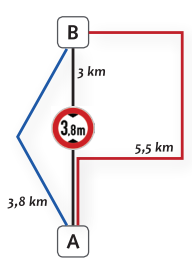
PTV TruckNavigator 7

Truck navigation: Save time and money!

PTV TruckNavigator 7 is professional software for truck navigation devices. In addition to the standard features of truck navigation software, PTV TruckNavigator calculates truck-specific routes, taking into account truck attributes such as thoroughfare height or truck blocks, avoids local detours and provides warnings near dangerous zones. This saves time and money.



Truck restrictions, danger warnings, additional information



The truck-specific attributes of the PTV TruckNavigator are stored in the map data:

- Roads closed to trucks.
- Restrictions such as weight, axle load, vehicle length, vehicle clearance heights and widths.
- Restrictions for hazardous goods, water-pollutants and explosive substances as well as roads closed to trailers (dependent on map data).
- Users can configure the truck's vehicle profile (height, width, weight, axle load, hazardous goods etc.) on the device at any time. In this way the navigation

always takes into account the relevant road closures or other information (e.g. empty or loaded runs).

- Danger warnings before sharp turns, steep inclines, uneven roads or side winds (dependent on map data).
- ADR restriction codes (A-E) are displayed on the map for tunnels.
- Avoidance of tunnels with ADR restriction codes during navigation.
- Display of low-emission zones.
- Display of roll-on/roll-off terminals and RoLa* terminals. *(“rolling road”)

Truck-specific routing

Truck drivers have high demands for optimal route guidance. If these are not automatically accommodated, the user has a large number of setting and selection possibilities:

- PTV TruckNavigator avoids unsuitable secondary roads.
- PTV TruckNavigator route planning automatically avoids residential areas. The truck enters the residential area at the very last moment before reaching its destination.
- The driver can decide the extent to which he wants to avoid narrow side roads and transits through cities. For this purpose he can select different routing profiles.
- Turning manoeuvres on unseparated roadways can be avoided.
- PTV TruckNavigator is able to recognise when the destination and start addresses are in restricted areas such as pedestrian zones or factory grounds. In this case the driver is also safely guided to his destination.

Basic functions

- Precise visual cues and spoken instructions.
- 2D and 3D navigation using clear intuitive maps.
- Professional routing and navigation.
- Extrapolated positioning in tunnels.
- Dynamic navigation: Information on traffic congestion is received on a TMC receiver free-of-charge and used to update the route while on the road.
- PTV TruckNavigator supports the following languages: Bulgarian, Czech, Danish, Dutch, English, French, German, Hungarian, Italian, Norwegian, Polish, Portuguese, Romanian, Russian, Slovak, Slovenian, Spanish, Swedish and Turkish.
- Auto Smartzoom enlarges the map view when approaching manoeuvres.
- Directions given for motorway signs.
- Automatically switches between day and night view.
- Speed limit warnings in many countries.
- Text2Speech as standard for CarPC.
- Entry of coordinates.
- Numbered motorway exits.
- Realistic motorway signs and junction views.

New:

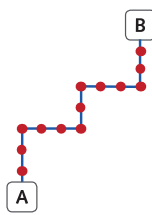
- Additional cost-saving potential with the "avoid toll" setting.
- Revised design elements result in a much higher quality appearance.
- Due to the intelligent self-learning mode (ETA), time is calculated on the basis of individual driving behaviour, resulting in a more accurate calculation of the arrival time.

Connected navigation

The planner can manage the navigation of the truck from his desktop: Order files (RC-interface) and interfaces in C and C# (RI-interface) enable communication between the PTV TruckNavigator and the control center. These functions are used to

- send addresses of one or more stop-off points from the control center to the navigation.
- request GPS positions from the navigation and make them available to third-party applications.
- start and stop mobile navigation.
- transfer messages to the navigation to be posted on the display.
- transfer offroad routes (roads not featuring on maps) if destinations are located on private roads, for example.
- show other connected vehicles (buddies) via interface.

Guided navigation



Guided navigation provides the possibility to transfer complete routes from the central software at the control center (e.g. map&guide) to the navigation device in the vehicle. This guarantees that

- the optimum route calculated by the PC is followed exactly.
- kilometer estimates and the actual driving time are similar.
- toll calculations are correct.
- emissions calculations are realistic.
- the vehicle is also navigated correctly on offroad routes.

Available maps

- DACH City (Germany, Switzerland, Austria, Liechtenstein)
- Europe city map package
- Arab countries city map package

More available upon request



Available road details:

- Detailed Network (Full coverage)
- Major Roads and better

Available truck-attributes:

- 🚛 Countries with truck-attributes (NAVTEQ and TeleAtlas collectively)

Platforms

PTV TruckNavigator is available for various platforms:

- ▶ **CarPC / Notebook (Win32 Systems):** PTV TruckNavigator PC / notebook edition
- ▶ **Windows Mobile:** PTV TruckNavigator mobile edition
- ▶ **Industry platforms based on Windows CE** (e.g. PSION Workabout pro, Höft&Wessel skeye. pad, Motorola MC 65): Available upon request.

Supported operating systems

Microsoft Windows Mobile 5, 6.x
 Microsoft Windows CE, 5.x, 6.x
 Microsoft Windows 2000, Windows XP, Windows Vista, Windows 7
 More available upon request.