PTV NAVIGATOR 10.2 for Android

RELEASE NOTES

Document information

Short title	Release Notes PTV Navigator for Android
Version:	10.2
Author:	PTV AG
Release date:	28. November 2017
System Requirements	Minimum Android API-Level is 15
Available maps	When the new software is released, these are the latest maps: 2016.1T (TomTom), 2017.2H (HERE) Upcoming map releases: TomTom 2017.2T (Beginning of December 2017)
Release Notes	Please visit **http://ptv.to/navireleasenotes** for an overview of Release Notes for previous versions.
Preferences	Please visit **http://ptv.to/navipreferences** for a documentation of all system preferences.

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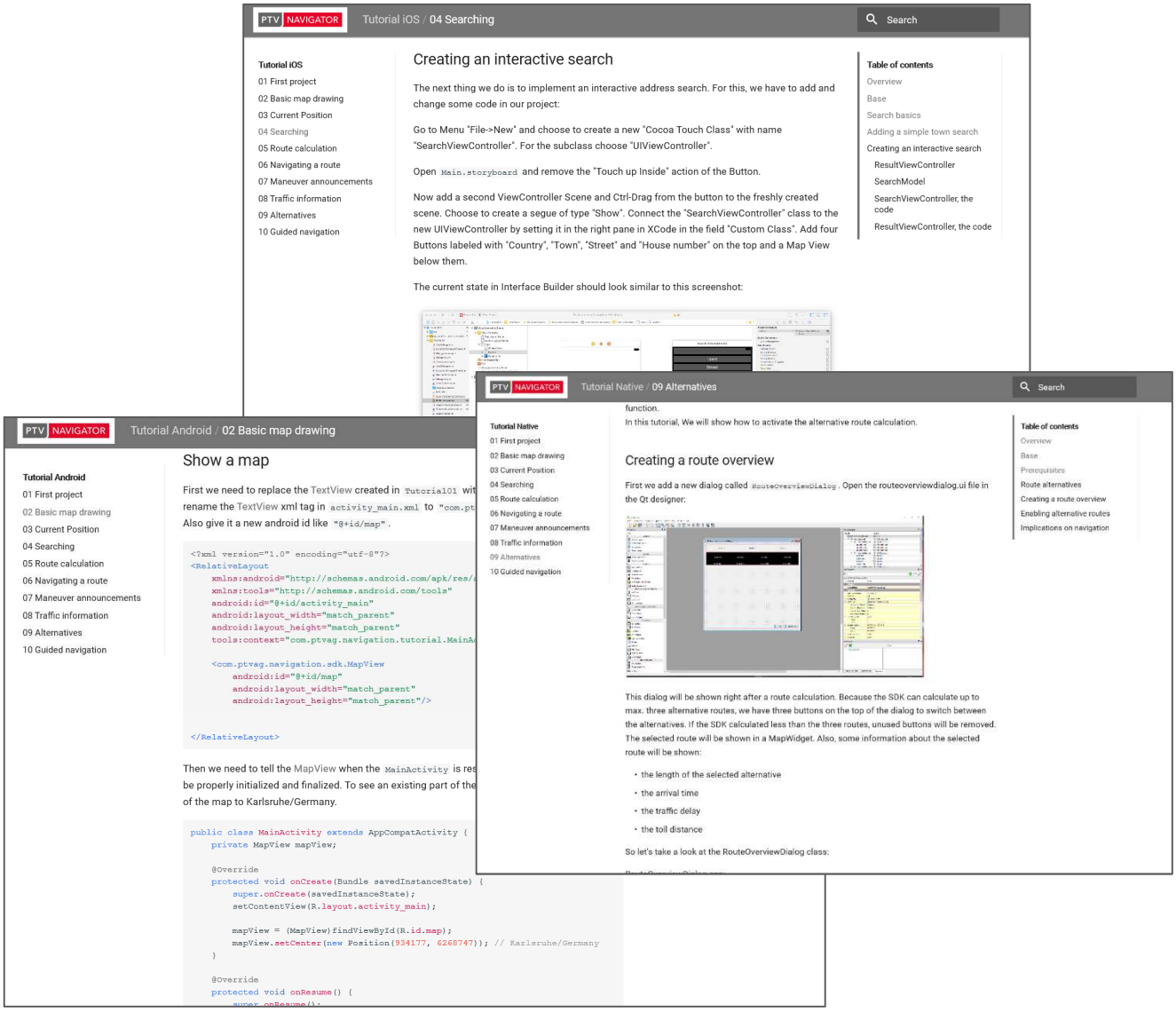
1 Product News

PTV Navigator Components (SDK)

We are proud to announce that PTV Navigator Components (SDK) - a set of libraries that allow you to build your own navigation application for Android, iOS and Windows - is now officially available.

Please contact your Sales Representative if you would like to test PTV Navigator Components.

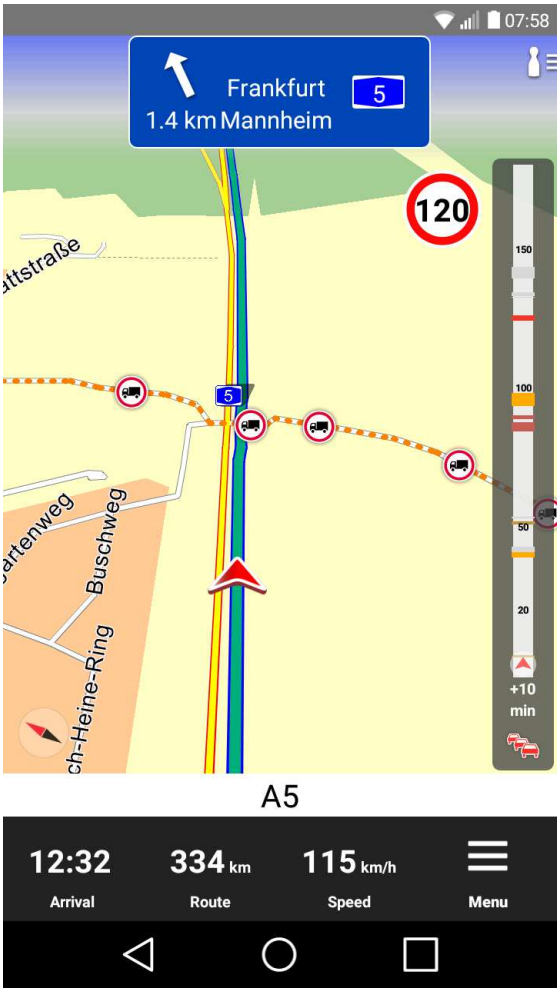
We provide you with access to the product using a tutorial-based approach, here are some screenshots of the tutorials we offer:



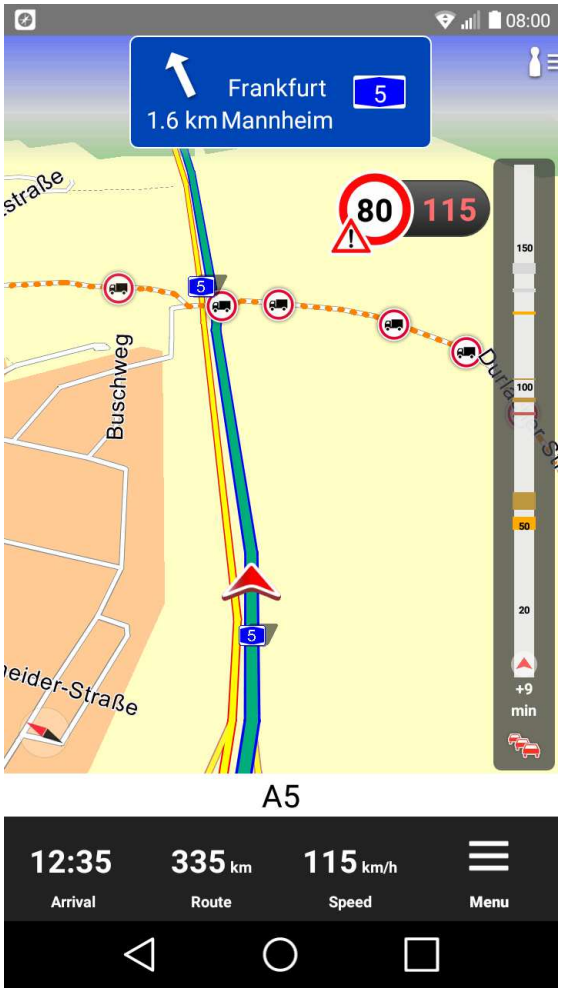
2 New Features

2.1 Truck Speed Limits

When using a truck profile, it´s relevant that you see the corresponding speed limits for trucks. So far, even for a truck we have only been able to display car-speedlimits; from this version onwards we are able to display speedlimits for trucks as well – and of course to warn the driver.



Before: speed warner shows car speedlimit



10.2 speed warner shows correct limit for trucks

You need to update your map data to a new version to be able to use this feature – the relevant data is inside a new filetype *.dpu that will be made available soon:
Planned release for TomTom 2017.2T: December 2017
Planned update for existing HERE 2017.2H: January 2018

Customers with old maps will get the same behavior as before.

2.2 Improved GPS Lifecycle

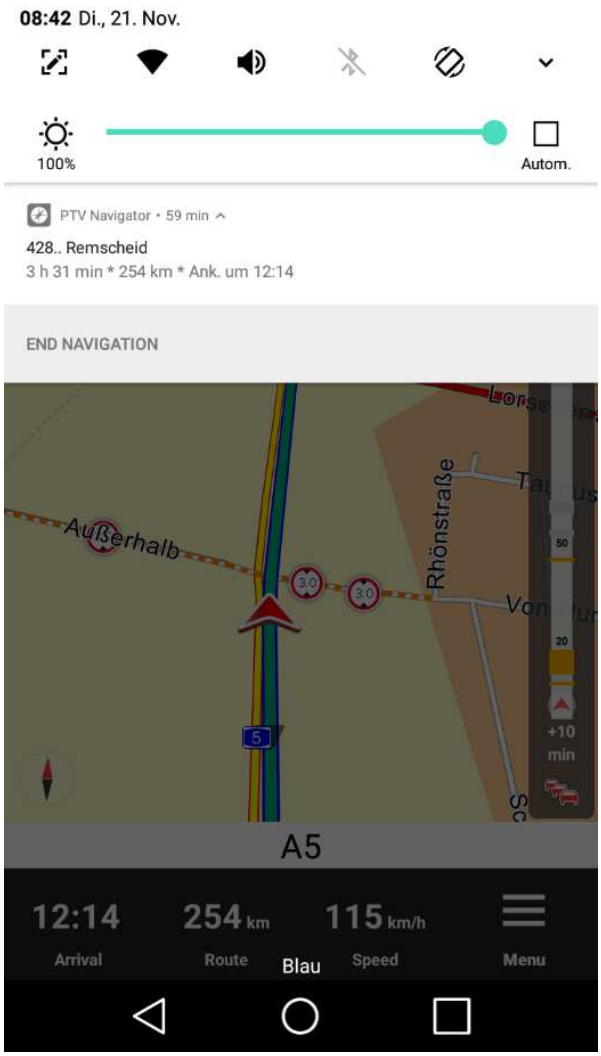
We have refactored our internal GPS lifecycle to make it more predictable and transparent when GPS is active.

With this new version….

- …you will find the relevant route details in the notifier.
- …with that, you are also able to stop the navigation out of the notifier (only available for Android versions > Lollipop).
- …will be aware of an active navigation in the background any time due to the icon in the notifier.

The menu item “Navigation in the background” is no longer available.

With this new feature, you will no longer be able to just “swipe out” PTV Navigator in Android´s task manager – the navigation will nevertheless continue if there´s an active route.
To “kill” PTV Navigator, please first stop the current navigation and then swipe out the app in the task manager.



Route details in the notifier

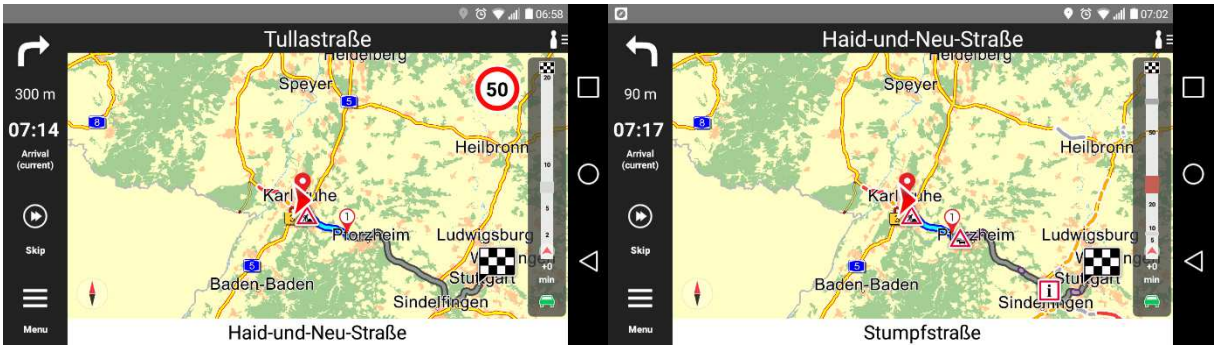
2.3 Usability improvements

Several features have been improved or added to give the driver a better user experience:

2.3.1 Traffic Information – see incidents on multi-station-tours as well

You will now see all traffic incidents on the route – even if you have a multi-station-tour.

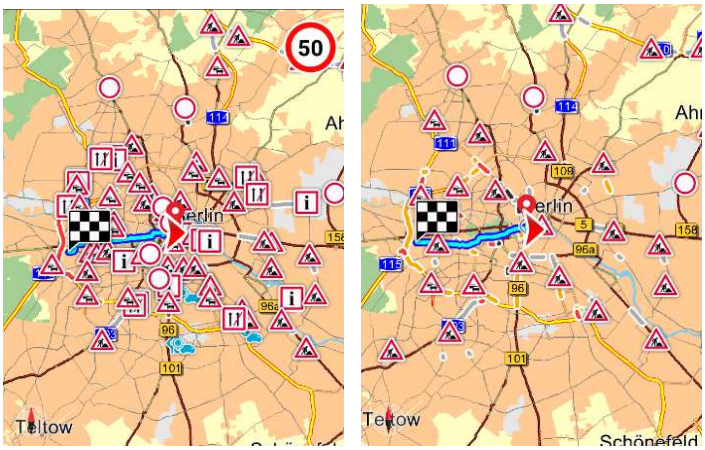
The incidents after the upcoming station are in grey colour/“prediction mode”, i.e. have no influence on the ETA yet (as we don´t know when you leave the next station) but you can nevertheless see them in the map, on the traffic bar and on the detail page.



Before: Traffic Infos available only until next stop *10.2: Traffic Infos available until the end of the tour.*

2.3.2 Traffic Information – better overview in crowded areas

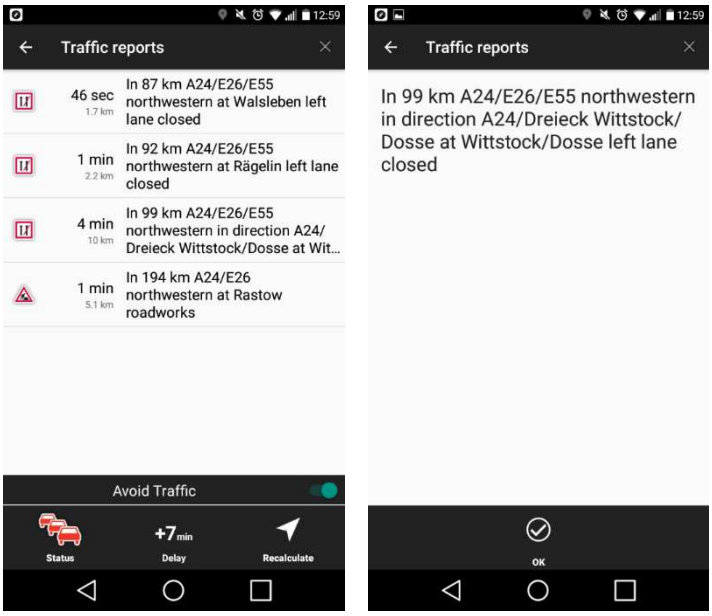
You will now see less traffic-icons during navigation – the incidents are still there, but by hiding some of the icons we have improved the overall clarity of the map.



Before: many icons *10.2 : better overview*

2.3.3 Traffic Information – detail page

You can now click on each traffic message and you will then see the full text on an additional page.



NEW: read full details of traffic message

2.3.4 And several more:

- You are now able to delete all or individual previous destinations. For that, please long-tap on the destination you want to delete.
- No need to confirm house number: if your search result only offers one possible house number, we automatically select it when you leave the activity.
- When leaving PTV Navigator using the device´s “back”-button, you can now set an app of your choice that shall be opened.

2.4 Enhancements for Guided Navigation usage

For each profile, you are already able to choose one of three options regarding how much to stick to a Guided Navigation. Doing so inside each vehicle profile may not be the best option depending on your usecase, which is why we now also offer you this choice inside a bcr-file:

```
[CLIENT]
REROUTEATTRACTIONFACTOR = <0 ... 100>
```

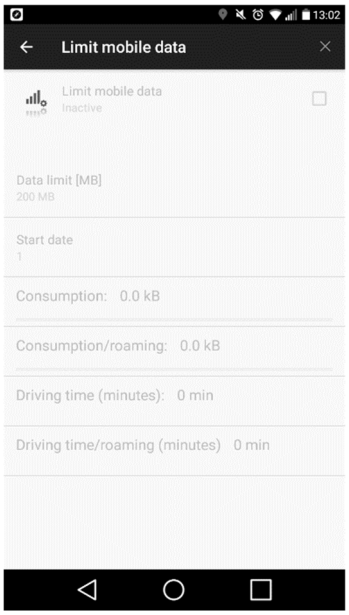
If you set a value between 100 and 0 (with 0 being the strictest choice and 100 the weakest one) for “REROUTEATTRACTIONFACTOR” inside the bcr-file, we will use this value and not the factor inside the profile that is currently being used. If no factor is defined, we use the factor of the vehicle profile.

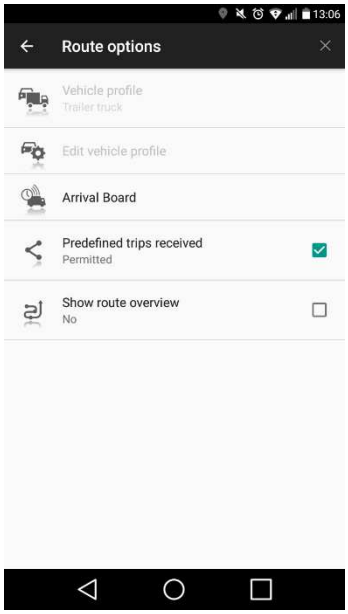
To use this feature, please add the key “rerouteattractionfactor” as well as the value it shall represent to the bcr-file from within your system environment.

2.5 Blocking of critical user interactions

We now allow you to block several menu items for your user. That way, you´re able to make certain configurations and can be sure that the user is not able to change them.

- Limit Mobile Data usage
- Edit Vehicle Profile, Change Vehicle Profile





If you use an individual Reseller-APK, please let us know if / which of these settings is relevant for you and will integrate them in your delivery.

Of course, you can use these features with any version of PTV Navigator – please have a look at the Preferences-Documentation for details of the settings you need to change to activate the feature.

3 Further Changes

3.1 Improvements

- We were able to lower the overall filesize of the APK from approximately 33 to about 20 MB.
- We have made several improvements to the download activity – most importantly we have improved the handling of stopped downloads which we now are able to detect and re-activate.
  At the same time, we have limited the amount of maximum parallel downloads to 5.
  If you start more downloads at the same time, they will be queued.
- We have strongly improved the stability of search requests - in previous versions we realized crashes occurred when the user was entering a target too quickly.
- Speedlimits for cars will now only show “explicit” speedlimits, i.e. speedlimits that are different than the expected speed of the current segment (for example: 50 km/h in Germany within city limits)
- We have upgraded out build system – default APKs are now build as armeabi-v7a

3.2 Configuration Changes

Please note that due to the improved GPS lifecycle, the “GPS settings” are no longer shown inside our app´s settings.

3.3 Bugfixes

- NPFLEX-2364: The traffic message was not being updated during the course of a tour. That could lead to misleading text or length of traffic incident, both of which have been fixed.
- NPFLEX-2433: fixed wrong color of traffic icon on multi-country-routes
- NPFLEX-2451: improved behavior when loading a bcr-file with bad coordinates
- NPFLEX-2462: improved recalculation of the route when changing the traffic-mode and rotating the device
- NPFLEX-2464: fixed rerouting crash on multi-country-routes
- NPFLEX-2472: fixed missing visibility of certain truck blockings on initial route
- NPFLEX-2481: we have fixed an error that lead to “bad” truck profiles. This is only relevant for you in case you were using a car-profile before creating a new truck-profile.
- NPFLES-827: improved rerouting when leaving the planned route and thereby driving towards a blocking

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4 Update Information

- No special attention is required when you update from PTV Navigator 10.1 to 10.2
  Please refer to previous Release Notes if you´re updating from an older version.

PTV GROUP

the mind of movement

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