

Adding traffic signs to the software

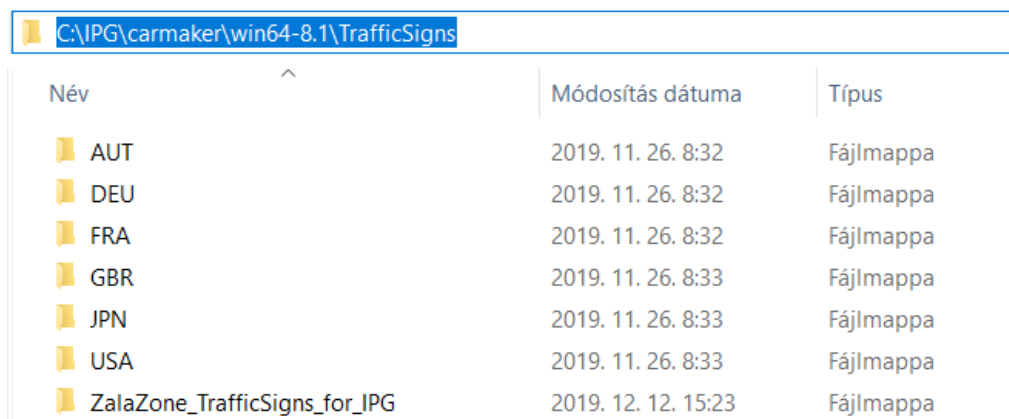
1. Introduction

The basic country-specific traffic sign sets in the IPG CarMaker software does not provide all the necessary signals. E.g. The Hungarian traffic lanes arrangement signs are almost non-existent. For this reason, we created all of the signs, which was missing for the building of the ZalaZone Proving Ground and put them next to the up-to-date release. In this document, we will show, how those traffic signs could be imported to the IPG CarMaker in order to have the right traffic signs after the 3D generation of the environment.

2. Method of adding traffic signs

2.1. Getting started

The folder, you got: 'ZalaZone_TrafficSigns_for_IPG' have to be copied in the defined folder below: version 8.1 - C:\IPG\carmaker\win64-8.1\TrafficSigns or if you have version 7.0.1 - C:\IPG\hil\win32-7.0.1\TrafficSigns (Figure 1)



C:\IPG\carmaker\win64-8.1\TrafficSigns		
Név	Módosítás dátuma	Típus
AUT	2019. 11. 26. 8:32	Fájlmappa
DEU	2019. 11. 26. 8:32	Fájlmappa
FRA	2019. 11. 26. 8:32	Fájlmappa
GBR	2019. 11. 26. 8:33	Fájlmappa
JPN	2019. 11. 26. 8:33	Fájlmappa
USA	2019. 11. 26. 8:33	Fájlmappa
ZalaZone_TrafficSigns_for_IPG	2019. 12. 12. 15:23	Fájlmappa

Figure 1: Folder locating to the defined folder

2.2. How to use the new traffic signs

The imported folder will be recognized by the software after this operation. To load this traffic signs from this folder use the setting shown in the following image:

The screenshot shows the 'Parameters' tab in the IPG CARMAKER GUI. It is divided into two main sections: 'Vehicle start position' and 'Localized Settings'.

Vehicle start position:

- Longitudinal offset [m]: 0
- Lateral offset [m]: 0
- Orientation [deg]: 0
- Active Route: Not defined (dropdown)

Localized Settings:

- Country: Germany (dropdown)
- Country (Fallback): ZalaZone_Traffic (dropdown)
- Driving side: Austria (dropdown)
- Speed limit definitions:**
 - Urban road [km/h]: 70
 - Country road [km/h]: 30
 - Motorway [km/h]: 0
 - Roundabout [km/h]: 0
 - Ramp [km/h]: 0
 - Dirt-track [km/h]: 0
 - User defined [km/h]: 0
- Unit: km/h (dropdown)

Figure 2: Setting Country (Fallback)

You can see these settings, if you open the CARMAKER GUI – Parameters - Scenario / Road, then in the Scenario editor click on the Scenario settings (little gear).

Hint: the created folder will be specified only in the Fallback settings and the Country setting have to remain the default (Germany). In this way the basic set will be Germany and add beside what we have added. If the road file was opened before, the signs won't load. You have to close the whole software and load everything again with this settings. Then you can see the result in the Scenario editor and in the IPGMovie.

The next picture represents you, what you have to see, after everything done.

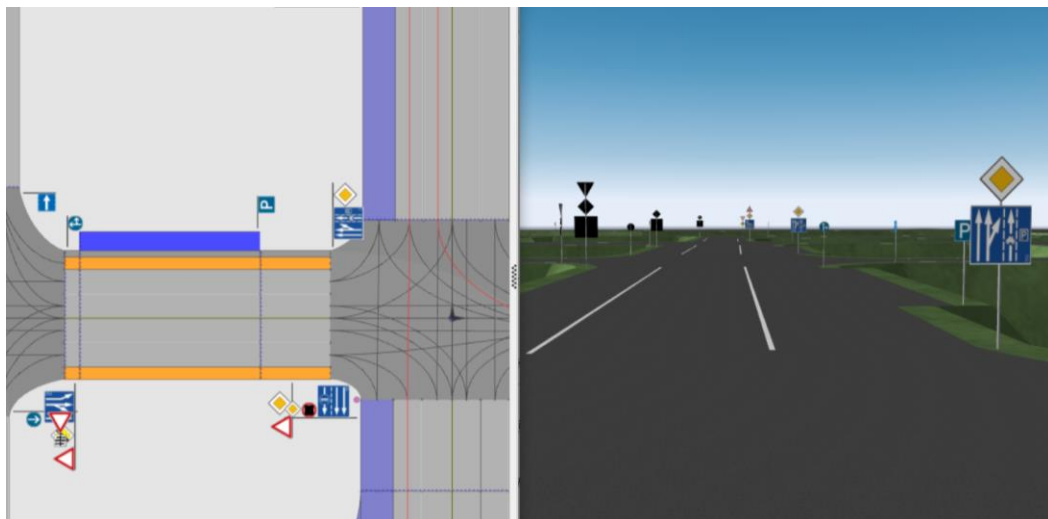


Figure 3: The view of the loaded Traffic Signs