

OMSI2 ADDON

HEULIEZ BUS-PACK GENERATION X17

MANUAL



EPILEPSY WARNING

When playing over a long period, you should take a 15-minute break after every hour of gameplay. Please do not play when tired. Play in a well-lit room, and sit as far away from the screen as possible.

A very small portion of the population have a condition which may cause them to experience epileptic seizures or momentarily lose consciousness when they are exposed to certain kinds of flashing lights or light patterns that are commonly present in our daily environment. Such people may experience seizures while watching television images or playing certain video games. Players who have not had any previous seizures may nonetheless have an undetected epileptic condition.

If you suffer from epilepsy, please consult your doctor prior to playing computer games. Please speak to your doctor immediately if you encounter any of the following symptoms while playing: vertigo, impaired vision, twitches or any kind of uncontrolled motion, loss of consciousness, disorientation and/or cramps.



CONTENTS

EPILEPSY WARNING	2
1. SYSTEM REQUIREMENTS	4
2. ACTIVATING AND INSTALLING THE STEAM VERSION	4
3. TECHNICAL INFORMATIONS	5
4. FAQs – FREQUENTLY ASKED QUESTIONS	7
5. THE OMSI2-ADDON HEULIEZ BUS-PACK X17	9
6. TECHNICAL DETAILS	10
7. QUICK START	13
8. OVERVIEW DRIVER WORKSTATION	14
9. BUSINFO	19
10. NAVOCAP-SYSTEM	22
11. THE TICKET PRINTER CONDUENT	26
12. CREDITS, LEGAL NOTICE	27

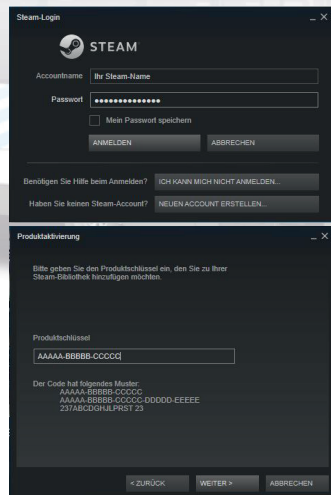


1. SYSTEM REQUIREMENTS

In order to play the add-on OMSI2-AddOn Heuliez, you need a PCcompatible computer with the following minimum specifications:

- An installed full version of OMSI 2 – The Bus Simulator (version 2.3 or higher)
- Windows 8.1 or Windows 10 recommended/ 64 bit
- Dual core processor (Core i5 with 2.8 GHz or similar), Quad core with 3.0 GHz recommended
- RAM: 4 GB (8 GB recommended)
- 3D graphics card with at least 2.048 MB graphics memory
- Sound card
- 4.0 GB of free disk space minimum for installation
- Keyboard and mouse as well as an active steam account and internet connection
- DirectX 9.0c compatible hardware and software
- The 4GB patch for OMSI 2 is recommended.

2. ACTIVATING AND INSTALLING THE STEAM VERSION



Start the Steam software and log in with your account name and password.

Then select the option "+ ADD GAME".

Enter your personal product key to add the product to your Steam library.

Steam will then add the OMSI add-on files to your OMSI installation.

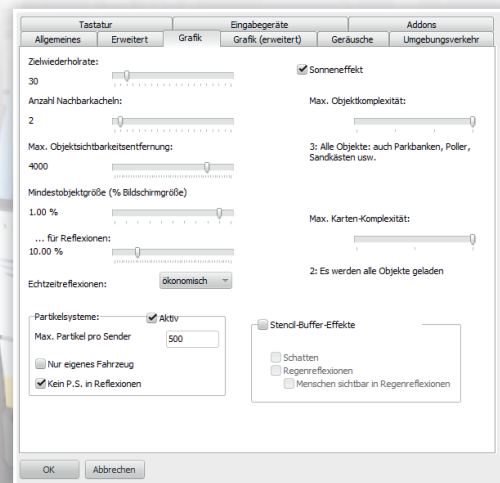
Note: To be able to install this OMSI add-on via Steam, you need to be logged onto your PC with administrator rig.

3. TECHNICAL INFORMATION

TIPS TO MAXIMISE PERFORMANCE

During the development of this add-on, special attention was paid to making the best possible use of the computer's resources through optimised 3D models. The aim was to achieve the highest possible gameplay quality, both in the technical and visual sense. Nevertheless it can happen that the performance is not always satisfactory, so here are some tips to improve it.

The stencil buffer effects, especially the display of shadows, consume the most resources. Therefore it is recommended to deactivate them completely. Furthermore, it has advantages to set the neighbouring tiles to a maximum of 2. Besides the graphical settings mentioned above, the surrounding traffic can also be set lower. 200 to 300 cars, 50% of them parking, are good values here. The same for pedestrians, here too the value can be reduced to achieve a better speed. These settings can of course be set higher individually, depending on available resources. Just try a little bit with the values to get an optimal setting for your computer.



TECHNICAL SUPPORT

Unfortunately, due to the large number of different hardware and software combinations, technical problems can sometimes occur when using our software.

Please make sure that you use the latest drivers for your graphics and sound card. In case of technical problems, please check the OMSI data via the Steam software. This is the only way to ensure that no files are faulty or missing. Updates are also transferred in this way so that the latest program versions of the extensions are available. For more information, refer to the FAQs section of this manual. Check the FAQs section of the www.halycon.de website to see if the problem is already known. Most difficulties have already been reported and then listed there or there is an explanation / help for the problem. If you cannot find what you are looking for here, you can easily contact us using the contact form on the website: www.halycon.de/kontakt.html.

We cannot offer telephone support or support via Facebook. In case of OMSI startup problems we need the log file generated by OMSI at startup. This has the name logfile.txt and is located in the OMSI main directory.

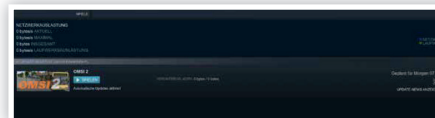
A very good way to get support is the OMSI Webdisk online page. This is an OMSI forum by users for users. There you help each other and very competently.

OMSI Heuliez Bus will get its own area there: <https://reboot.omsi-webdisk.de>.

TIP: If you are having difficulties, check the Halycon Media website www.halycon.de under FAQs to see if this problem is known there. The FAQs are constantly being expanded and frequently reported problems are added to them.

4. FAQs – FREQUENTLY ASKED QUESTIONS

Updates via Steam



If a steam update is available, the transfer does not necessarily take place immediately, but the data transfer can also be scheduled

for a later date. To get an update immediately, which is available from Steam, please select the entry „Downloads“ at the end of the list in the Steam menu „Library“. If you select this entry, all upcoming downloads (including updates) will be displayed. On the right side of the listed downloads you can see the scheduled time and a button. If this icon is clicked, the immediate download will be performed.

Check Steam data

In exceptional cases, Steam products may have errors, the cause of which is that not all data is correctly available on the computer. This can be caused, for example, by an interrupted WLAN connection or a faulty data memory. In this case Steam offers the possibility to check the data. To do this, select the appropriate Steam program in the Steam library, in this case OMSI 2, display the properties and select the entry „Check files for errors“. This process may take some time, depending on how many OMSI Steam titles are installed and which Internet line is available. If faulty or missing data is found, the Steam software will initiate a data transfer of these files.

Which OMSI-Addon version do I currently have on my computer?

The current version of the Halycon OMSI AddOns can be found in the respective OMSI AddOn folder under ..\OMSI 2\AddOn\[product name]\ There you will find a version file with the name of the current version, for example OMSI2-AddOn_Heuliez-X17_v1-02 for version 1.02 of the AddOn.

Information about OMSI add-ons in general and Heuliez Bus-Pack in particular

The range of OMSI2 extensions is constantly changing. Numerous updates and bonus downloads are also published. If you would like to stay up to date here, we recommend that you register with us for one or more news channels. This is free of charge and can be cancelled at any time.

So you are always up to date on the status of our products.

Facebook www.facebook.com/halyconmedia
Twitter www.twitter.com/HalyconMedia
Newsletter www.halycon.de/newsletter.html
Telegram – Push service <https://t.me/halyconmedia>

You can also find us on YouTube. There, numerous videos of our products are presented:

YouTube www.youtube.com/user/YTHalycon

We wish you a lot of fun with MyHalycon

Using the 4GB-Patch for OMSI 2

If white areas appear in the OMSI 2 simulator on the buses, AI vehicles and other 3D objects, the computer's memory is heavily used. OMSI 2 is a 32bit application and accesses by default a maximum of 2 GB of the working memory, regardless of how much working memory the computer actually contains. To provide OMSI with more working memory (RAM), the so-called 4GB patch can be used. You can obtain this patch, for example, at www.ntcore.com/4gb_patch.php

Please note that this patch must be reloaded when updating OMSI 2.

IMPORTANT: Please note that after each update or data check it may be necessary to reactivate the 4GB patch.

5. THE OMSI2-ADDON HEULIEZ BUS-PACK X17

After the successful debut of the French manufacturer Heuliez Bus as a DLC for OMSI in 2020, the French developer collective Acrotere Design offers you to discover the manufacturer through the first edition of the Access'Bus range as we know it today: the X17 generation.

The X17 range was launched in 1994 with the GX317, the very first low-floor bus accessible to people with reduced mobility. In 1995, Heuliez collaborated with Volvo to produce the GX417, the articulated bus of the range. This collaboration also gave birth to the GX217, the equivalent of the Renault Agora line in the Heuliez bus range.

With the introduction of the GX117 in 1998, Heuliez offered for the first time a complete range of city buses with a midibus, a standard bus and an articulated bus.

Heuliez Bus has always been a bodybuilder, so the French manufacturer has built its buses on the technical basis of established manufacturers such as Mercedes (1975 to 1984), Renault (1994 to 2001), Volvo (1995 to 2001) and, since 2001, on the basis of Iveco vehicles.

You will be able to discover very different driving experiences, from the GX117L to the GX417, including the GX217 and the GX317, all available with different transmissions, engine scripts and specific sounds.

In creating this DLC, emphasis was placed on the historical aspect of this bus series. You can find versions that represent buses that no longer exist, or others that have a strong history. To reinforce the impression of time travel, the sounds have been recorded on the last representatives of the X17 series in France. The large number of versions available will allow you to find your favorite vehicle. All interior and exterior templates are provided to customize the available versions.

We wish you a lot of fun with the Heuliez Bus Package

6. TECHNICAL DETAILS

HEULIEZ GX117L



Length / Width / Height:	10.5 m / 2.33 m / 2.91 m		
Engines:	Iveco Tector 6 (L6) Diesel 5.9 L 154 kW		
Engine Code	Emission norm	Production	
F4AE3681C	Euro3	2001 – 2006	
Gearboxes:			
Manufacturer	Model	Number of gears	Production
Allision	T280R	4	2001

HEULIEZ GX217



Length / Width / Height:	11.7 m / 2.5 m / 2.91 m		
Engines:	Volvo DH10A (L6) Diesel 9.6 L 180 kW		
Engine Code	Emission norm	Production	
DH10A	Euro2	1996 - 2001	
Gearboxes:			
Manufacturer	Model	Number of gears	Production
VOITH	D863.3	3	1996

HEULIEZ GX317



Length / Width / Height:	11.99 m / 2.5 m / 2.91 m		
Engines:	Renault MIDR (L6) Diesel 9.8 L 186 kW		
Engine Code	Emission norm	Production	
MIDR06.20.45	Euro1	1994 – 1996	
MIDR06.20.45	Euro2	1996 – 2001	
Gearboxes:			
Manufacturer	Model	Number of gears	Production
VOITH	D851.3	3	1994
ZF	4HP500	4	1994
ZF	5HP500	5	1994

Engines:	Renault MGDR (L6) CNG 9.8 L 186 kW		
Engine Code	Emission norm	Production	
MGDR06.20.45	Euro2	1994 – 1996	
MGDR06.20.45	Euro3	1996 – 2004	
Gearboxes:			
Manufacturer	Model	Number of gears	Production
ZF	4HP500	4	1994

Engines:	Iveco Cursor 8 (L6) Diesel 7.8 L 180 kW		
Engine Code	Emission norm	Production	
F2BE0682D	Euro3	2001 – 2005	
Gearboxes:			
Manufacturer	Model	Number of gears	Production
VOITH	D851.3	3	2001
ZF	4HP502C	4	2001
ZF	5HP502C	5	2001

Engines:	Iveco Cursor 8 (L6) CNG 7.8 L 186 kW		
Engine Code	Emission norm	Production	
F2GA0642A	Euro4	2004 – 2005	
Gearboxes:			
Manufacturer	Model	Number of gears	Production
VOITH	D851.3	3	2004

HEULIEZ GX417



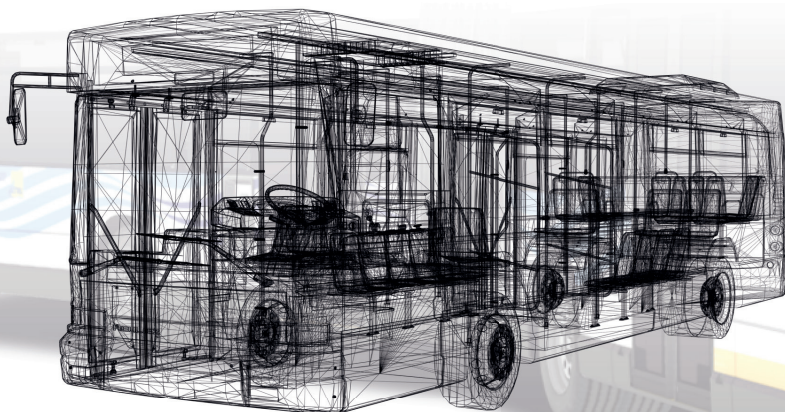
Length / Width / Height: 17.96 m / 2.5 m / 2.91 m

Engines: Volvo DH10A (L6) Diesel 9.6 L 209 kW

Engine Code DH10A **Emission norm** Euro2 **Production** 1995 – 2000

Gearboxes:

Manufacturer	Model	Number of gears	Production
VOITH	D863.3	3	1995
ZF	4HP590N	4	1995
ZF	5HP590N	5	1995



7. QUICK START

When selecting the vehicle, select the manufacturer „Heuliez Bus“.

You can now select the vehicle type. There are 4 different vehicles (GX117L, GX217, GX17 and GX417) with different transmissions available.

Each model is described with the following syntax: GX W17 XX YY ZZ. XX stands for the engine version of the vehicle (only if the vehicle has more than one engine), YY stands for the number of doors and ZZ stands for the full name of the gearbox.

Example: GX317 MGDR euro3 3P ZF4HP500 means that you have chosen a 3-door vehicle, equipped with a ZF 4-speed gearbox and a Renault MGDR natural gas engine in D3 standard equipment.

Make sure that the hof file „{MapName.hof}“ matches the selected map.

You must then select a location.

Switch to the driver's view with [F1]. Start the electrical system [E]

and the engine [...]. Engage a gear [D] and release the parking brake.

[/]. Depending on the pressure in the system, the bus now starts to roll and you can accelerate and

and steer.

At night, you must activate the headlights [L] and illuminate the interior [8] [9].

If passengers are to board the bus, you must program the matrix to show the terminus of the service you have chosen. This is done automatically via Businfo or Navocap (depending on the version) by entering a service number or via the menu „92E“.

When selecting a variant (engine-gearbox combination), please refer to the vehicle description for the compatible repaints. Selecting a repaint that is not compatible will lead to errors in passenger behavior.

Tip: In the folder \OMSI 2 \ Addon \Heuliez-GXx17 \ you will find an overview of the SETVAR options with which the Heuliez bus can be redesigned in many ways.

8. OVERVIEW DRIVER WORKSTATION

The Heuliez Bus Pack X17 comes with three different dashboards. These also differ in part from the side elements.

Below we show an overview of the different versions and the arrangement of the respective controls.



Heuliez / Renault Dashboard can be found on the GX317 MIDR and MGDR Euro2.



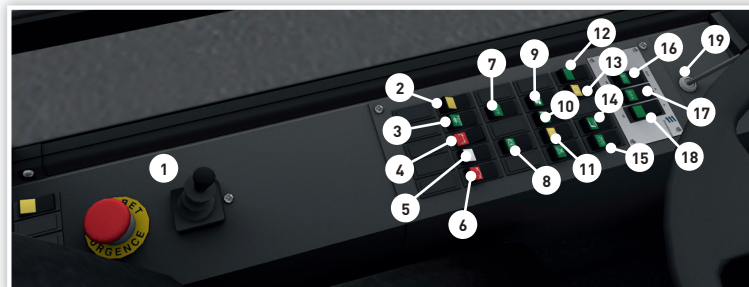
The Heuliez / Volvo dashboard is used on the GX217 and the GX417.



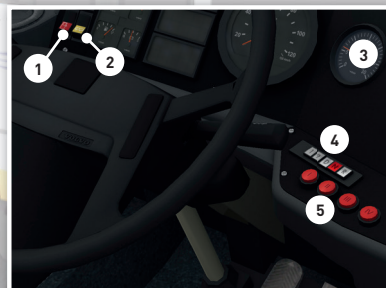
Heuliez Renault and Heuliez Volvo Dashboard

The side elements on the Renault and Volvo dashboards are the same, only the central console differs.

Side panel for Heuliez Renault and Heuliez Volvo Dashboard



- | | | |
|--------------------|---------------------|----------------------------------|
| 1: parking brake | 8: traction control | 15: interior lights |
| 2: warning | 9: ventilation | 16: air recycling |
| 3: test dash icons | 10: extractor | 17: temperature wind-screen vent |
| 4: battery | 11: defrost | 18: speed windscreen vent fan |
| 5: engine on | 12: exterior lights | 19: stop brake |
| 6: engine stop | 13: fog lights | |
| 7: heating | 14: driver light | |



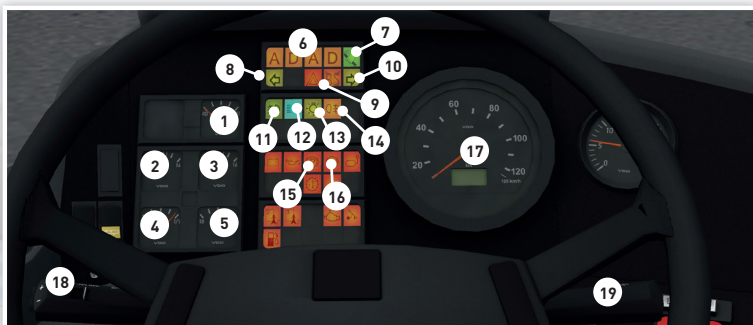
- | |
|------------------------|
| 1: half door operation |
| 2: lift |
| 3: rev counter |
| 4: Gearbox control |
| 5: door control |

Center panel for Heuliez Renault Dashboard



1: Turn signal/wiper

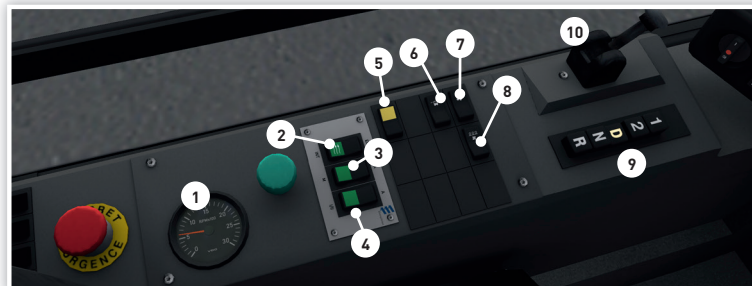
Center panel for Heuliez Volvo Dashboard



- | | | |
|------------------------|----------------------|-----------------------|
| 1: engine water temp | 8: left indicator | 15: parking brake |
| 2: pressure air tank 1 | 9: warning lights | 16: brake pressure |
| 3: pressure air tank 2 | 10: right indicator | 17: tachometer |
| 4: fuel level | 11: front fog lights | 18: turn signal stalk |
| 5: batterie voltage | 12: high beam | 19: wiper stalk |
| 6: (ADAD) stop request | 13: lights on | |
| 7: stop brake applied | 14: rear fog lights | |

VDV DASHBOARD

VDV side panel



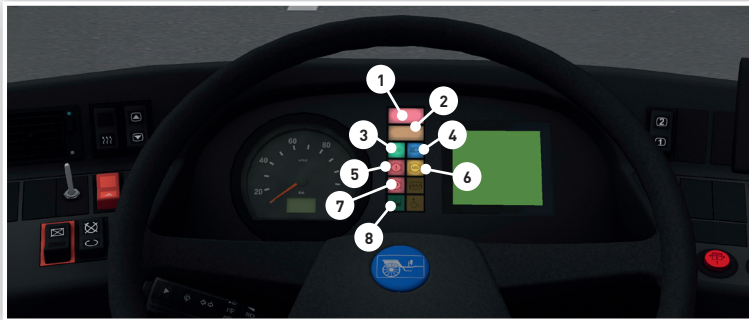
- | | | |
|--------------------------------|------------------------------|--------------------|
| 1: rev counter | 4: speed windscreen vent fan | 7: ventilation |
| 2: recycling air | 5: direction flow | 8: defroster |
| 3: temperature windscreen vent | 6: kneeling | 9: gearbox control |

VDV Center panel

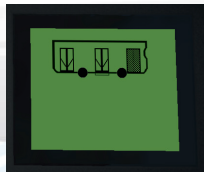


- | | | |
|--------------------|--------------------------------|-----------------------------|
| 1: lights switch | 7: pedestrian warning bell | 13: tachometer |
| 2: driver light | 8: warning lights | 14: warning icon and screen |
| 3: interior lights | 10: heating | 15: half door operation |
| 4: retarder off | 11: screen control | 16: door buttons |
| 5: battery | 12: turnsignal and wiper stalk | |
| 6: engine on off | | |

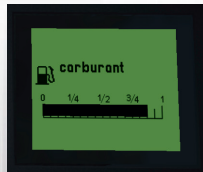
Icons and screens description for VDV dashboard



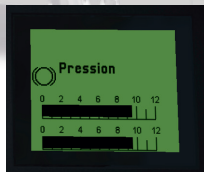
- | | | |
|-------------------------------------|-------------------|------------------|
| 1: STOP (engine off or major fault) | 3: warning | 6: ABS |
| 2: DIAG (fault) | 4: High beam | 7: Parking brake |
| | 5: Brake pressure | 8: Stop request |



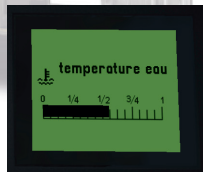
Door state screen



Fuel gauges



Air pressure gauges

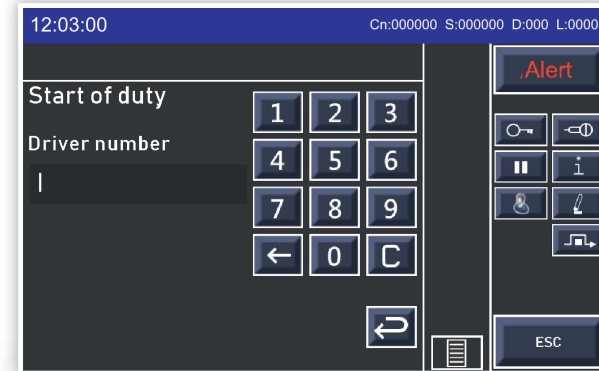


Display for the water temperature of the engine

9. BUSINFO

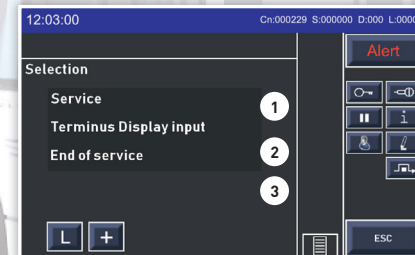
BUSINFO is the bus passenger information system. How to enter the lines and destinations is described below.

Start of the BUNSINFO-System



Please enter the driver PIN 229 using the number pad.

Operating the BUSINFO system



- 1 Automatic programming of the matrix by entering a service number (any, since it is fictitious)
- 2 Program manually the matrix
- 3 Log out

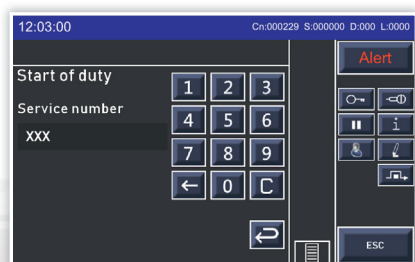
Manual mode



Enter line code in format LLLLL/RR/ZZZ (Line, Route, Ziel).

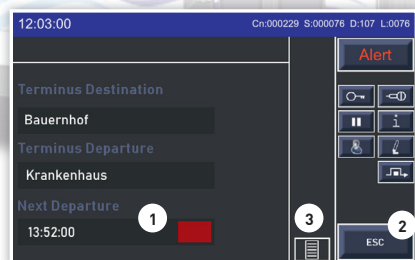
Attention, please use the auto mode in priority. If you use manual mode, auto mode will be unavailable unless you respawn the bus. Manual mode will still work fine though.

Automatic mode



Works when a service is active (92E menu) the number is not important, you only have to type a random number the matrix and BUSINFO will be programmed automatically.

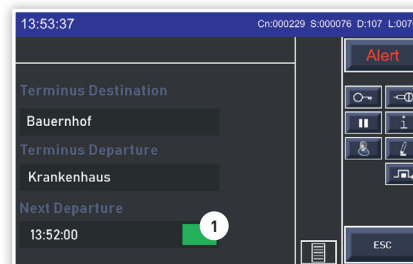
Before departure



1 Next departure time. A reverse count is displayed when nearing departure. Unless it's time to depart the rectangle is RED

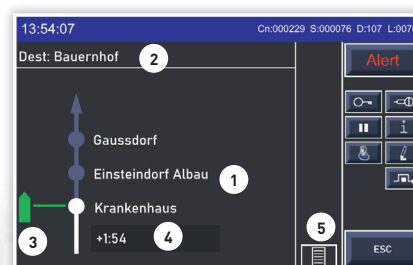
2 Click to force the appearance of the monitoring screen. It will switch automatically after departure

3 Go back to main menu



1 When it's time to depart or later the rectangle is green.

Line monitoring



- 1 next stops
- 2 terminus
- 3 This arrow is a visual indication for your timing
- 4 timing in minutes+second. + means late, - mean early
- 5 go back to main menu

Timing arrow

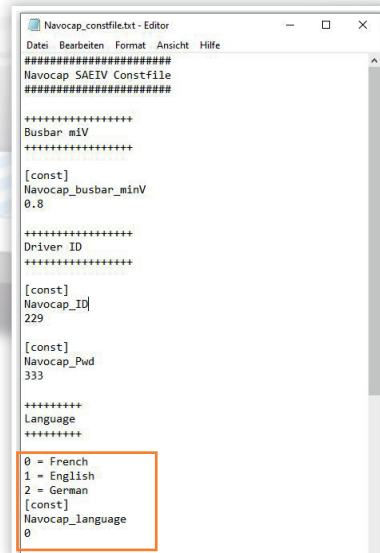
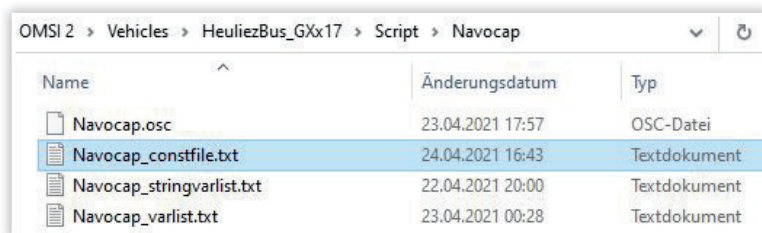


10. NAVOCAP-SYSTEM

LANGUAGE SETTING

The basic language of the Navocap system is French. However, it can be changed to English or German, but this must be done manually in a configuration file. Unfortunately, the system does not provide for a change in the game. To do this, please open the file „Navocap_constfile“ in the Navocap directory of the bus:

..\OMSI 2 \ Vehicles \ HeuliezBus_GX17 \ Script \ Navocap \.



Double-click on the file, it will then be automatically loaded into the editor. In the „Language“ section, change the value behind the entry „Navocap_language“ to the desired language (0= French / 1= English / 2=German) and save the file again.

The value behind the entries Navocap_ID and Navocap_Pwd show the currently set driver ID (here 229) and the corresponding password (here 333).

SIGN IN SCREEN

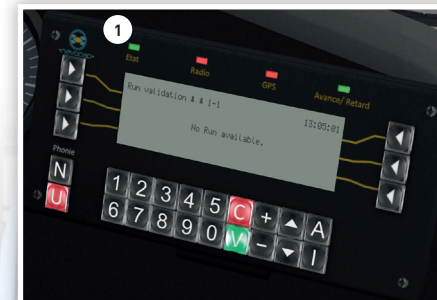


Enter your driver ID (Default value 229) then press the green V button (1). Enter the password (Default value 333) and press the V button (1) again.

Correct your entry with the C button (2)

The LEDs « Radio » and « GPS »(3) will switch to red, indicating that no service has been selected through OMSI-ALT menu.

SERVICE SELECTION SCREEN

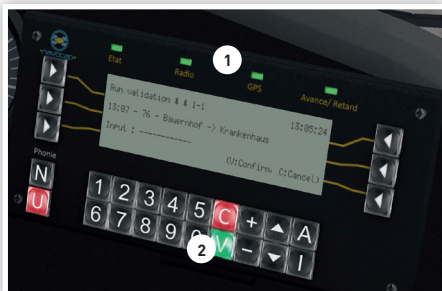


After logging in successfully, you will be shown the following screen:

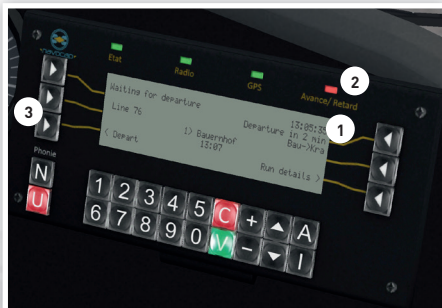
The „ETAT“ indicator light (1) lights up green to indicate that you are correctly logged into the system. If no service (line and roundabout) has been selected in the OMSI menu yet, this can now be done.

To do this, press the [ALT] key on the keyboard to display the OMSI menu, select the timetable button and set the defaults according to the options in the selection menu.





LINE INPUT



- 1: Time before departure:
Flashes when it's time to leave
- 2: display too early / too late:
flashes green at departure time, orange one minute before / after and in red if there is more than one minute difference.
- 3: Switch to line monitoring:
Line monitoring screen will be shown automatically at the first stop

IMPORTANT NOTE: Please make sure that the hof file required for the desired OMSI map is located in the directory of the respective bus. Otherwise the bus cannot be used correctly on the OMSI map. The hof files for the selected map must be located in the directory ... \OMSI 2 \ Vehicles \ HeuliezBus_GXx17 \... for the Heuliez X17 buses.

LINE MONITORING SCREEN

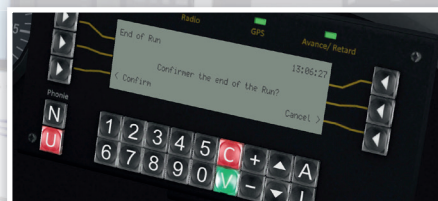


- 1: Next stop
- 2: Previous stop
- 3: Options
- 4: Early/Late LED

OPTIONS



- 1: Leave the menu (or press the red C button)
- 2: Cancel the active service
- 3: Log out



End of service validation screen



Log out confirmation screen.

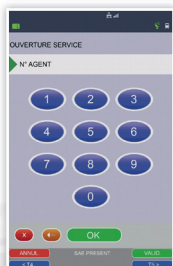
Confirm by pressing the green V button, cancel with the red C button

11. THE TICKET PRINTER CONDUENT

Below is a brief description of the included ticket printer CONDUENT.



Click on **démarrer service** to start the service.



Enter « numéro agent » this is a fictive feature, you can type anything you want. Then, you do the same thing with “numéro the service”. It is fictive as well, as long as you have a service active in OMSI, it works.



Conduent main screen

- 1 Next stop
- 2 Move to prev stop (only changes on this display - bus displays are controlled by BUSINFO)
- 3 Move to next stop (only changes on this, announcement and in bus displays are controlled by BUSINFO)
- 4 Selected ticket price name
- 5 Print ticket
- 6 Ticket names (names will be added)
- 7 Log out
- 8 The hole unit can be slid forward, click and drag from any point of the conduents display

12. CREDITS, LEGAL NOTICE

3D modelling / Textures

Benjamin Hurtaut

Sounds

Benjamin Hurtaut

Door-closing sound

Lucas Meunier

Export

Benjamin Hurtaut

Export ticket printer, SAEIV, dashboard display, Navocap

Fourkane Mhoma

Scripts

Fourkane Mhoma
Benjamin Hurtaut
MRSoftware
Sobol

BUSINFO-System

Scripts and textures

Fourkane Mhoma

3D and textures

Benjamin Hurtaut

CONDUENT

Fonts and reworked textures

Mani Kommoula

Scripts

Winder222

3D modelling / Textures

Benjamin Hurtaut

Beta testers

Ewan Jeanson

Kyllian Chapel
Fares Bourezane
Enzo Torchio
Clément Carmeille
Fourkane Mhoma
Lukas B

Publishing

Halycon Media
www.halycon.de
Volker Rieck

Productmanagement

Wineberger
Projektmanagement
www.wineberger.de

Layout / Box and manual

BD Media
www.bd-media.at
Bernhard Doeller

Special Thanks goes to ...

Benedikt Steffens for the Renders, Adrian Rieck for the construction plans.
Heuliez Bus for allowing us to reuse their logos.
Transdev CTM Vannes, RATPdev St Malo, Alliance Atlantiques St. Malo, RTM Marseille and QUB Quimper for the friendly reception of sounds.
Kyllian Chapel and Ewan Jeanson for their help during the recording sessions.
Kyllian Chapel for Communication Management.

See www.halycon.de for further information. Note on image rights © 2021 Cover: BD-Media Bernhard Doeller, Inlay/Cover: bus render Benedikt Steffens Copyright © / Published 2021 Halycon Media GmbH & Co. KG. All rights reserved. The content of this manual and the software add-on it covers are the property of Halycon Media or the respective owners and copyrighted. Any reproduction, even in part, is strictly prohibited. Microsoft, DirectX, Windows are registered trademarks of Microsoft Corporation in the US and/or other countries. All other brand names or registered trademarks mentioned in this product are properties of the respective owners.

OMSI AddOns by a specialist



HALYCON
MEDIA

More information on www.halycon.de