OMSI 2 ADDON

SAINT-SERVAN

By bus through the Brittany

MANUAL

Palme d'Or

HALYCON MEDIA

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.
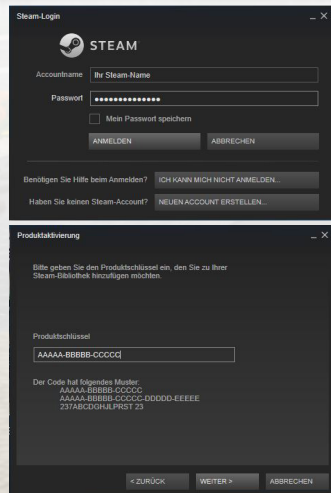
CONTENTS

1. SYSTEM REQUIREMENTS

In order to play the add-on "OMSI2-AddOn Saint-Servan", you need a PC-compatible 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
• 10.0 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.
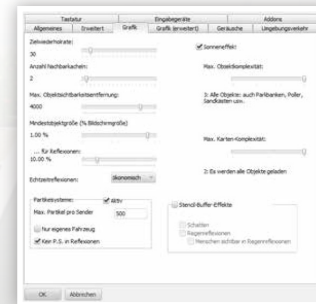
3. TECHNICAL INFORMATIONS

TIPS TO MAXIMISE PERFORMANCE

The OMSI-AddOn Saint-Servan needs a lot of computing capacity in some places.
The performance can be worse than on other maps, because the city centre is densely built up and a lot of traffic is planned. OMSI 2 offers a lot of settings in the options, which you can adjust to your taste. Some points are especially important if you want to achieve a smooth gaming experience.
Experience shows that shadow calculation puts a strain on the system and the results are still not always good. The recommendation is therefore to switch off the shadows.

The biggest burden is usually traffic, i.e. moving cars, buses and trains. This is why, for example, driving on Sundays or late in the evening achieves a better performance than in rush hour traffic. The most important instrument is timetable priority. If the value is lower, unimportant AI lines (which, for example, mostly only take a break at the side of the road) are not loaded. As a player you can always drive on any line. In the OMSI properties you can find some preset presets in the Addons section, which should optimize the display on the respective hardware. These are high, medium and low settings. For a start the setting „Saint-Servan medium" is recommended, which can then be exchanged for high/low or own settings. These settings are also useful for many other cards, but not for all.

TIP: If there are white parts in the bus, the main memory will be heavily used. To provide OMSI with more RAM, the so-called 4GB patch can be used: http://www.ntcore.com/4gb_patch.php.

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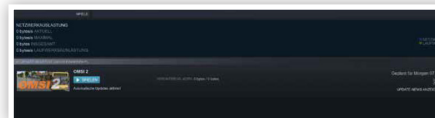
We cannot offer telephone support or support via Facebook. In case of OMSI startup problems we need the log file generated by OMSI at startup. This has the name logfile.txt and is located in the OMSI main directory.

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 Saint-Servan 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_Saint-Servan_v1-03 for version 1.03 of the AddOn.

Information about OMSI add-ons in general and Saint-Servan 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 SAINT-SERVAN

The metropolis of Saint-Servan, located in the Morbihan department of French Brittany, has 700,000 inhabitants and is situated in a natural, maritime environment typical of Brittany. The capital, Saint-Servan, has an atmosphere that very urban and busy like in the large cities of France, with highly frequented and large residential and working areas. This whole area is served by the Palme d'Or network with almost 70 bus and tram lines, but also by the genuine Breizhgo regional network. Breizh is the Breton-Gaelic name of the Brittany. The OMSI 2-AddOn Saint-Servan presents 8 lines of this large network connecting the center of Saint-Servan with the districts and villages in the north of the metropolis (such as Salérin, Monfort-sur-Rhé, Le Roc Saint-André, etc.), passing through historic landscapes, large residential areas of the 1960s, eco-districts of the 2000s, European business districts, but also hamlets, nature reserves, coastal roads and small Breton villages.

With a more urban and faster pace, the lines Chronobus C20 and C23 coexist as well as lines 25 and 204, which serve the local schools. There are also the so-called navette lines such as the 200, 201 and the zu Navette port. The N2 night line also crosses the north of the city and serves the main residential and leisure areas. With a duration of 10 minutes for the Navette Harbour up to 50 minutes for the C23 line, there is something for everyone in terms of scenery. In fact, the diversity of ambience is the keyword of this map, the secret of this French ambience lies in the inspiration of real places, but also in the creation of several hundred objects and splines that contribute to this impression. With a very original atmosphere, Saint-Servan represents an experience not seen before in OMSI 2.

This map is fictitious in its globality, but many Breton places (such as the Vannes area in Brittany) have been reproduced in a realistic way : prominent points such as the famous island of Conleau but also some villages and districts have a high recognition value.

The Irisbus Cetelis in the 12 meter version is included, matching the French Brittany.

A short description of all lines is in the appendix.

6. SPECIAL FEATURES IN SAINT SERVAN

Terminal stop Jardin des Valaques

The Jardin des Valaques is the common terminus of the C20 and C23 lines, with two high-frequency lines with departures and arrivals every 5 minutes, making it a very complex place. In addition, there is a reversal loop, a dotted cross with traffic lights, which can be bypassed in 2 to 3 minutes. This terminal station has two bus platforms: Bus platform 1 and bus platform 2, each of which can accommodate 2 articulated buses or 3 standard buses.

The most frequently used bus platform is platform 1, which is used during the week for short breaks (less than 15 minutes) and on Sundays only for the C20. It is also used by the N2 night line. The departure time indicated on the timetables is that of platform 1.

Platform 2 is used only during long breaks (more than 15 minutes), in case of lack of space on platform 1 and on Sundays for the C23 line. The indicated departure time is that of platform 1.
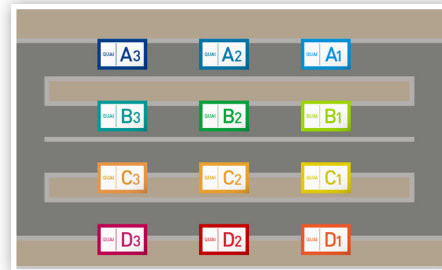

The Bus depot

At the moment the map has two depots. These are arranged so that they are less than 20 minutes away from all line terminals.

Each depot operates its own services with defined and marked non-commercial routes and its own level of equipment to create two different atmospheres specific to each depot.

The Ronoé depot of the main operator covers the lines C20, C23 (+ shuttle, etc.) and C24 (+ shuttle, etc.) Navette Hafen, lines 25, 201 and other destinations. Many services start or end here.

The depot has a large workshop with a capacity of about 130 standard and special buses, a petrol station and a car wash and a biomethane filling station nearby.

The depot of the company Auray Voyages (in reality existing) serves the following routes:
200, 204 and N2 and others. These are mainly long distances in the Breizhgo network, it has less capacity and equipment.

Line 204 will be relieved of traffic from here both before and at the end of the service, and in some parts also line 204 with destination Hécheno

The Verfonatine junction

The Verfonatine junction is strategically located on the map and guarantees a connection between BHNS line 2, bus lines 21, 22, 25, 204, but also express line 200, school line 201 and others.

12 bus platforms accommodate these lines. Follow the signs for each bus platform, the first sign (letter) indicating the row of the corresponding bus platform (A to D), the second one indicating the position on the bus platform.

Typical traffic objects

Special attention is paid to traffic control, which is only available in France gives like bus shelters, traffic lights, lampposts, billboards.

St. Servan has had its own traffic light system since 2015, this can be confusing at first sight because it is unfamiliar in the OMSI, so here is a brief explanation.

Rhomb	The traffic light has identified the bus
Exclamation mark	The traffic light will change to green shortly
Horizontal bar	Corresponds to red, i.e. do not continue
Dot	Corresponds to yellow, it must be stopped
Vertical beam	Corresponds to green. Passage permitted.

The weather

Brittany has good weather conditions due to its location on the Atlantic Ocean and the Gulf Stream. Winters with ice and snow are almost unknown there. Even in winter the minimum temperatures are around 4 degrees. For this reason, winter and snow textures have been avoided in Saint-Servan.

8. QUICK START

Select the manufacturer „Irisbus St.Servan" when placing the vehicle. Here you can now select the vehicle type. You can choose between different versions
of the selected bus model. Make sure that the courtyard file „St-Servan.hof" matching the map is preset. Then you have to select a location for placement.

Change to the driver view with **[F1]**. Start the electrical system **[E]** and the motor **[M]**. Select a gear **[D]** and release the parking brake **[.]**. Depending on the pressure in the system, the bus will now start rolling and you can accelerate and steer it.

At night, you should activate the headlights **[L]** and illuminate the interior **[8] [9]**. If passengers are to board the bus, you need to set destination signs that passengers „know" at each stop. This is done in the printer setting menu.

TIP: In the folder . \OMSI 2\Addons\Saint-Servan\ contains further information, timetables, line overviews and the current version file, which contains the version of OMSI Saint-Servan that is currently installed on the computer.

8. IRISBUS CITELIS

A typical French bus was chosen for the OMSI map Saint-Servan: the Citelis. This model was built from 2005 - 2013. The manufacturer, Irisbus, is part of the CNH group, which also includes IVECO. It is therefore obvious that IVECO engines are used.

The Citelis is not only very popular in France, but can also be found in numerous cities in cities in Europe.

In Saint-Servan, the 12-metre version of the Citelis is in service.

Technical data

Vehicle length	11.955 mm
Vehicle width	2.550 mm
Vehicle height incl air conditioning	3.210 mm
Transport capacity	84 Passengers
Seats	45
Standing room	38
Wheelchair space	1
Turning circle	6.030 mm
Turning circle	22.200 mm
Front entry height	320 mm
Entrance height middle	330 mm
Permissible total weight	18.000 kg
Unladen weight	11.510 kg
Engine	
Engine capacity	7.790 cm³
Power	243 kW (330 HP)

OVERVIEW DRIVER WORKSTATION

Dashboard

1 hazard warning light	**5** Display	**9** Central Opening of all
2 bus stop brake	**6** Steering Wheel	doors
3 Light switcher	**7** Pressure Display	**10** Gear selector switch
4 Speedometer	**8** Kneeling	**11** Door

Side fitting

1 timetable
2 open/close roof hatches
3 climate control
4 parking brake

9. 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.
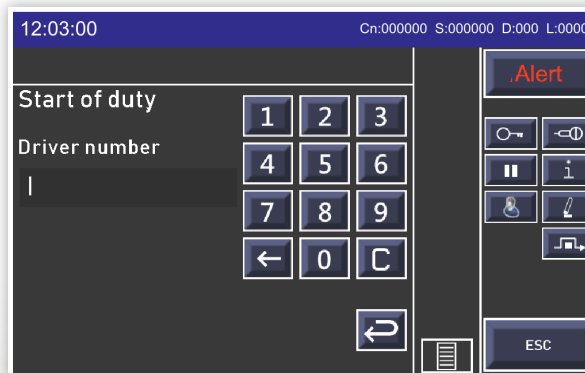

Conduent main screen

1 Next stop

2 Move to prev stop (only changes on this display - bus displays are controlled by BUSINFO)

3 Move to next stop

4 Selected ticket price name

5 Print ticket

6 Ticket names (names will be added)

7 Log out

8 The hole unit can be slided forward, click and drag from any point of the conduents display
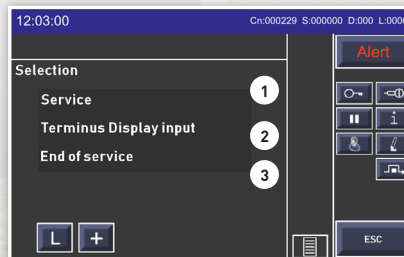
10. BUSINFO

BUSINFO is the bus passenger information system. How to enter the lines and destinations is described below.
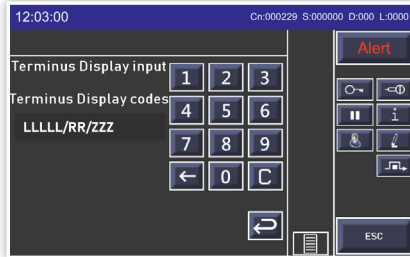
Start of the BUNSINFO-System

Please enter the driver PIN 1805 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
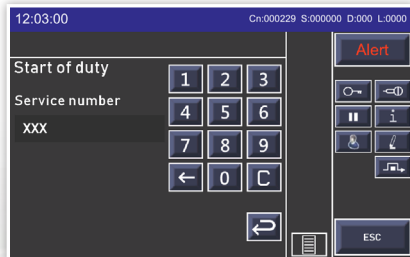
3 Log out

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.
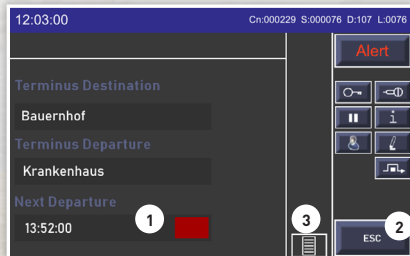
Automatic mode

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.
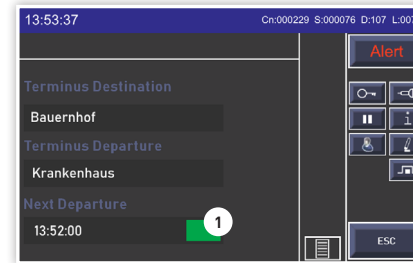
Before departure

1. 1 Next departure time. A reverse

1 count is displayed when nearing departure. Unless it's time to depart the rectangle is RED.
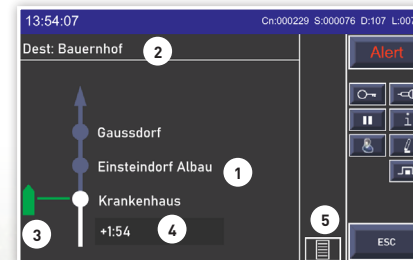
2 Click to force the appearance of the monitoring screen. It will switch automatically after departure.

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 men

Timing arrow

early

0 min to 2min late

2 – 15 Minuten late

Over 15 min late
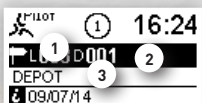
11. LUMIPLAN MATRIX CONTROLLER

As an alternative to BUSINFO, the Cetelis bus has a matrix controller called Lumiplan.
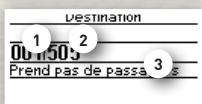
This device will be further developed in the future. Its basic functions are explained here.
The input of the line and the destination is done via the number keys.
The numbers consist of three digits each: L:xxx D:xxx L stands for line / D for destination.
The three-digit line number must be entered for L and the three-digit destination number for destination number must be entered.

1. matrix code
2. matrix name

1. line number
2. destination number
3. destination name

1. line number
2. destination number
3. destination name

12. CREDITS / LEGAL NOTICE

Development
Jihem SK

Development / Buses
Didier Rondeau
Mateusz „Sobol"
Sobolewski
Acrotere Design
The FMrr
Fourkane

3D Objects
Adrian Rieck
Marvin Geritzlehner

AI vehicles
Stanley Leist

Splines and special tasks
Erilambus

Additional scripts
Jan S.

Sounds
Benjamin Hurtaut

Route maps
Jihem SK
Pierre Cherrier

Beta testers
Adel Benmorsli
Pierre Cherrier
Didier Rondeau
Mani Kommoula
Bamp
K6ndrick
Erilambus
iStanley

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
... Andreas Mügge, Marie Armbrecht, Vanessa Quandt und Winfried Diekmann (Aerosoft), Anboe, Bluescreen, Heuliez427, O 405, Roland15

13. APPENDIX

TRAFFIC SCHEDULES
Timetables, circulation plans and further information (e.g. codes for route input) are located in the OMSI main directory, subfolder \Addons\Saint-Servan\.

THE LINES
C20 - Jardin des Valaques ←→ Kerfaïence
C23 - Jardin des Valaques ←→ SALÉRIN Mendès-France
C20 - Jardin des Valaques ←→ Kerfaïence
C23 - Jardin des Valaques ←→ SALÉRIN Mendès-France
The so-called chronobus lines offer a 10-minute service and are almost exclusively operated by articulated buses and run from Monday to Sunday and in the early evening.
Line C20 takes 35 minutes, line C23 takes 45 minutes. They connect the city centre with the northern districts: the gardens, the city of Lillebonne, the south of the city of Salérin, the city of Fariand; with the commercial areas: the port of Salérin, the district of Ronoé, the leisure centre of Lillebonne and the shopping areas: Urbania, Fariand, Graudegnan, the main institutions: the Jean Moulin University, the Collège Dreyfus, the Lycée Saint-Lazare, but also many cultural places (the Harbour Master's Office, the Verfontaine stadium, the large media library...).
These lines are very busy, times are tight and traffic is dense, so the pace and frequency are quite high.

25 - Verfontaine ←→ SALÉRIN Leclerc Graudegnan
25 - Verfontaine ←→ SALÉRIN Leclerc Graudegnan.
This is a main line with a frequency of around 20 minutes and is suitable for both standard and midibus services.
At a quieter and more natural pace, it takes 30 minutes, but it is no less difficult because of the narrow country roads and the small villages of Monfort-sur-Rhé and Le Roc Saint-André that it crosses. It connects the hub of Verfontaine with the more remote housing estates of the metropolis and also serves the Conleau peninsula (replica of the real peninsula in Vannes, Brittany), the town of Le Roc Saint-André (replica of Saint-Avé, Brittany), the small industrial area of Les Forges, the Bellevue nature reserve, the port of Salérin and the Graudegnan industrial estate with its large Leclerc supermarket and many other shops.

200 - Collège Dreyfus ←→ SALÉRIN Leclerc Graudegnan
The express line par excellence, operated as a two-hour line with Breizhgo, but whose Palme d'Or fare zone corresponds to the line on the map. This line connects the city centre with the south of Salérin in about 20 minutes, which is enough to replace the urban lines, especially line 2. A suburban bus or coach is strongly recommended for this line.

201 - Collège Dreyfus ←→ Verfontaine
Although this line is intended for schools, it is somewhat less express and more urban, serving many schools in Saint-Servan, where it provides a fast connection with the south of Salérin and the Verfontaine junction. This line is therefore suitable for operation with city or suburban buses, although a school bus can also serve the purpose.

204 - Maison Blanche ←→ CFA ←→ Verfontaine
This is also a school-oriented line, but it provides year-round service to the residential areas at the Saint-Servan end and also provides a quick connection between the CFA, the large Beaulieu campus where it terminates, and the Verfontaine transfer centre. This line is a fairly quiet route that can be used by both city and suburban buses.

N2 - Jardin des Valaques ←→ Maison Blanche
Jardin des Valaques ←→ Maison Blanche
This night line follows the route of lines C20 and C23 in its entirety and connects the Beaulieu campus, the main Jardins and Lillebonne complexes, the university campus and the city centre. Despite its shared route with lines C20 and C23, this line is somewhat quieter.

NAVETTE PORT - Verfontaine ←→ SALÉRIN Mendès-France
This short, 10-minute internal shuttle only runs on weekday mornings and enables early morning connections to be made between the commercial centre and the port of Salerin via an express service. It also allows the buses of line C23 to be put into service, as they then continue on this line.

TRANSPORT HUBS

Verfontaine: Located on the outskirts of the city, this modern bus station offers connections with the tram, the BHNS 2 line, numerous main and school lines, as well as regional and national long-distance buses.

Hôtel de Ville: Although it is more of a main stop, it is nevertheless served by numerous lines and is punctuated by the pace of passengers, who are very numerous at this connecting stop.

IBIS MATRIX CODES

Line	Destination	Code	Route
000	Sans Voyageurs	001	-
020 (C20)	Kerfaïence → Jardin des Valaques	200	01
020 (C20)	Jardin des Valaques → Kerfaïence	201	02
023 (C23)	SALÉRIN Mendès-France → Jardin des Valaques	230	01
023 (C23)	Jardin des Valaques → SALÉRIN Mendès-France	231	02
025	SALÉRIN Leclerc Graudegnan → Verfontaine	250	01
025	Verfontaine → SALÉRIN Leclerc Graudegnan	251	02
025	LE ROC SAINT-ANDRÉ Conleau → Verfontaine (dimanche/sunday)	252	03
025	Verfontaine → LE ROC SAINT-ANDRÉ Conleau (dimanche/sunday)	253	04
200	SALÉRIN Leclerc Graudegnan → Collège Dreyfus	270	02
200	Collège Dreyfus → SALÉRIN Leclerc Graudegnan	271	01
201	Verfontaine → Collège Dreyfus	272	04
201	Collège Dreyfus → Verfontaine	273	03
201	Verfontaine → Collège De La Bollardière	274	02
204	Auray Voyages → CFA	241	01
204	CFA → Maison Blanche	240	02
204	Hécheno → Maison Blanche	240	04
204	Maison Blanche → CFA	241	06
204	Maison Blanche → Hecheno (depot)	243	07
204	Maison Blanche → Verfontaine	242	09
204	Verfontaine → Maison Blanche	240	10
(02) N2	Maison Blanche → Jardin des Valaques	290	02
(02) N2	Jardin des Valaques → Maison Blanche	291	01
(01) PORT	Verfontaine → SALÉRIN Mendès-France	232	19

OMSI 2 ADDON

HEULIEZ BUS-PACK ACCESS BUS GX327

- Over 20 different models
- Numerous equipment variants
- Realistic sounds (Euro 3 to EEV)

Acrotere Design

HALYCON MEDIA

More information on www.halycon.de

OMSI AddOns by a specialist

More information on www.halycon.de