# OMSI 2 ADDON
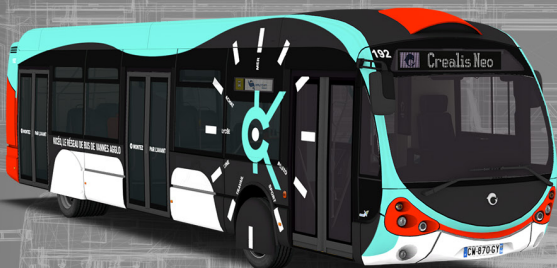
# IRISBUS FAMILY CITYBUS PACK

## MANUAL



V 1.0 ENG

ACROTERE DESIGN

HALYCON MEDIA

## EPILEPSY WARNING CONTENTS

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.
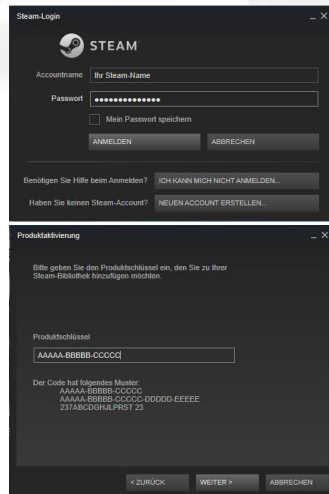
## CONTENTS

# 1. SYSTEM REQUIREMENTS

In order to play the add-on OMSI2-AddOn, 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 10, recommended 64 bit version
• 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.

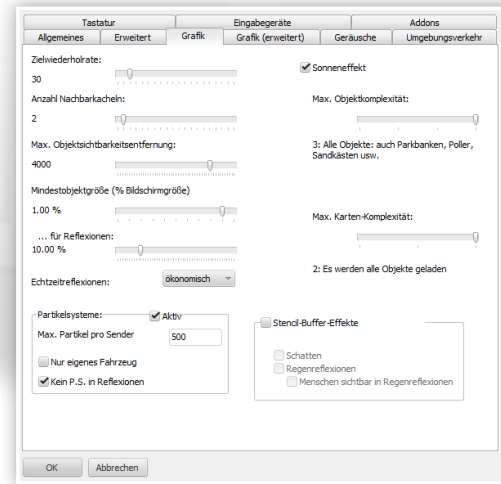Steam will then add the OMSI add-on files to your OMSI installation.

**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 INFORMATIONS

**TIPS TO MAXIMISE PERFORMANCE**

During the development of this addon, 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: **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-Irisbus-Fam-Citybus_v1-02 for version 1.02 of the AddOn.**

**Information about OMSI add-ons in general**

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. OMSI 2-ADDON IRISBUS FAMILY CITYBUS PACK

With the OMSI AddOn Irisbus Family Citybus Pack we continue the series of city buses. A total of 6 different models are waiting in this collection for use in OMSI.

The low-floor bus Irisbus Citelis was produced from 2005 - 2013, before it was replaced by the IVECO Urbanway. It is available in three different Length:s: 10, 12 and 18 metres.

The Crealis model is available in two different Length:s: a 12 metre and an 18 metre version.

The Crealis neo, which stands out with a futuristic front, is available as a 12 metre version and the standard version of the Crealis is included in the pack with an 18 metre version. Both Crealis variants are excellently suited for Bus Rapid Transit traffic, i.e. fast bus connections. They stand out visually due to their special wheel covers.

The package is rounded off with the Irisbus GX127, which was only marketed under this name outside France. It appears as a 9 meters version in this AddOn.

In total, there are 3 different engines to choose from. Together with the different lengths and partly different seat configurations, there are many possibilities to find your own favourite bus for OMSI.

**We wish you a lot of fun with the Irisbus Family Pack**

## 6. TECHNICAL DETAILS

### CITELIS 10

**Length:** 10460 mm / **Width:** 2500 mm / **Height:** 3302 mm

**Engine:**
Iveco Cursor 8 (L6) CNG 7.8 l / 213 kW
Engine code F2GA0642A / Emission norm EEV
Production 2011 – 2014

**Gearboxes:** Manufacturer VOITH / Model D854.5 / 4 Gears /
Production 2011 – 2014

### CITELIS 12

**Length:** 11990 mm / **Width:** 2500 mm / **Height:** 2979 mm

**Engines:**
Iveco Cursor 8 (L6) Diesel 7.8 l / 180 kW
Engine code F2BE0683D / Emission norm EURO 3
Production: 2005 – 2006

Iveco Cursor 8 (L6) Diesel 7.8 l / 213 kW
Engine code F2BE3682C / Emission norm EURO 4, EEV
Production: 2005 – 2014

**Gearboxes:**
Manufacturer VOITH / Model D854.3 / 4 Gears / Production 2005 – 2006
Manufacturer VOITH / Model D854.5 / 4 Gears / Production 2006 – 2014
Manufacturer ZF / Model 6HP504C / 6 Gears / Production 2011 – 2014

**Engine:**
Iveco Cursor 8 (L6) CNG 7.8 l 213 kW
Engine code F2GA0642A / Emission norm EEV
Production 2005 – 2014

**Gearboxes:**
Manufacturer ZF / Model 6HP504C / 6 Gears / Production 2011 – 2014

### CITELIS 18

**Length:** 17900 mm / **Width:** 2500 mm / **Height:** 3040 mm

**Engines:**
Iveco Cursor 8 (L6) Diesel 7.8 l / 280 kW
Engine code F2BE3682A / Emission norm EURO 3 / Production 2005-2006
Engine code F2BE0682A / Emission norm EURO 4, EEV / Production 2006-2012

Iveco Cursor 8 (L6) CNG 7.8 l / 243 kW
Engine code F2G / Emission norm EURO 3 / Production 2005 – 2006
Engine code F2G / Emission norm EURO 4, EEV / Production 2006 – 2012

**Gearboxes:**
Manufacturer VOITH / Model D864.5 / 4 Gears / Production 2006 – 2012
Manufacturer ZF / Model 4HP602C / 4 Gears / Production 2005 – 2006
Manufacturer ZF / Model 5HP602C / 5 Gears / Production 2005 – 2006
Manufacturer ZF / Model 6HP602C / 6 Gears / Production 2006 – 2011
Manufacturer ZF / Model 6HP604C / 6 Gears / Production 2006 – 2014

### GX127

**Length:** 9420 mm / **Width:** 2330 mm / **Height:** 2885 mm

**Engine:**
Iveco Tector 6 (L6) Diesel / 5.9 l / 154 kW
Engine code F4AE3681C / Emission norm EURO 4
Production 2005 – 2014

**Gearboxes:**
Manufacturer Allison / Model T280R / 4 Gears / Production 2001

## CREALIS NEO 12

**Length:** 12325 mm / **Width:** 2500 mm / **Height:** 3223 mm

**Engine:**
Iveco Cursor 8 (L6) Diesel 7.8 l / 213 kW
Engine code F2BE3682C / Emission norm EEV
Production 2011 – 2014

**Gearboxes:**
Manufacturer ZF / Model 6HP504C / 6 Gears / Production 2011 – 2014

## CREALIS 18

**Length:** 17900 mm / **Width:** 2500 mm / **Height:** 3040 mm

**Engine:**
Iveco Cursor 8 (L6) Diesel 7.8 l / 280 kW
Engine code F2BE3682A / Emission norm EEV / Production 2012 – 2014

**Gearboxes:**
Manufacturer ZF / Model 6HP604C / 6 Gears / Production 2012 – 2014

# 7. QUICK START

**When selecting the vehicle, select the following manufacturer Irisbus. You can now select the vehicle (type).**

There are different lengths, motorisations and transmissions.
Each model is described with the following syntax:

Citelis WW XX YY ZZ

WW: length / XX: number of doors / YY: Motorisation / ZZ: Transmission
Example: Citelis 18 4P CNG EURO3 ZF.

After we have selected the type, we can choose the appearance (repaint).
Make sure that the hof file „{mapname.hof}" corresponds to the map.
Then you have to choose a place for the placement of the bus.

To play on maps for which no .hof file is available, simply insert the required .hof file into the bus folder.

Switch to the driver view with [F1]. Start the electrical system [E] and the engine by keeping the button pressed until the RPM value[?] has stabilised. Engage gear [D] (automatic transmission) and release the parking brake [/].

Depending on the air pressure in the system, the bus will now start to roll and you can accelerate and steer it.
At night, you must switch on the headlights [L/F] and light up the interior [8] [9].
When passengers are to board the bus, you must programme tha bus matrix to indicate the last stop of the connection you have chosen.
This is done via the bus info system or via the menu „92E".

EURO 3 engines from Iveco are notoriously hard to start, to replicate this, the engine scripts of the Citelis EURO 3 VOITH and Citelis 18 EURO 3 GNV have been tweeked to increase the time needed for the engine to reach its idle speed.

In order for the bus to start, you must keep the start button (or keyboard shortcut) pressed until you here the idle sound and see the rev counter reach 575 RPM. BEWARE, the start sound of the EURO 3 GNV bus might trick you into believing the engine has indeed started, watch the rev counter to be certain that you can release the engine start button.

## 8. OVERVIEW DRIVER WORKSTATION

Below is a short overview of the controls in the driver's area of the bus.



1. Dashboard
2. Side switches
3. Main display
4. BUSINFO System
5. Ticketprinter Conduent

**Dashboard Actia – Citelis/Crealis**



| | | |
|---|---|---|
| 1: Battery start (except EURO 3 with actia dashboard) | 6 : Warning button | 15: Gearbox Selector |
| | 7 : Gong | 16: Kneeling |
| 2: Engine start/stop (except EURO 3 with actia dashboard) | 8: Screen control button | 17: Suspension height elevation |
| | 9: Interior lighting | 18: DEV (self-service door release) |
| 3 : Lights button | 10: Driver's light | 19: Door buttons |
| 4: Heater | 11: Speedometer | 20: Turn signal and wiper switch |
| 5 : Retarder | 12: Display | |
| | 13: Lap counter | |
| | 14: Businfo Display | |

**Dashboard GX127**
The variant with VOITH gearbox is described below. The version with ZF gearbox is slightly different and can be seen behind it.



| 1 | ventilation zone | 11 | heating | 22 | door self service |
|---|---|---|---|---|---|
| 2 | air recycling | 12 | driver ventilation | | buttons |
| 3 | retarder switch | 13 | driver light | 23 | half door buttons |
| 4 | screen control | 14 | interior lights | 24 | VOITH gearbox control |
| 5 | options switch (not | 15 | battery switch | 25 | door1 |
| | operational) | 16 | engine start and stop | 26 | door 2 |
| 6 | warning button | | button | 27 | door 3 (3 door variants |
| 7 | pedestrian warning | 17 | tachometer | | only) |
| | sound trigger | 18 | screen | 28 | click drag the |
| 8 | headlight control unit | 19 | driver aid (acceleration | | dashboard's body to |
| 9 | ventilation tempera- | | level gauge) | | adjust its position |
| | ture | 20 | kneeling button | | |
| 10 | ventilation speed | 21 | lift | | |

**ZF-VARIANTE**

19. rev counter
24. ZF gearbox control

**Main screen**



| 1 | left turn signal icon | 6 | stop request icon | 10 | low beams icon |
|---|---|---|---|---|---|
| 2 | parking brake icon | 7 | major engine fault/ | 11 | right turn signal icon |
| 3 | low air pressure icon | | engine off | 12 | fog lights icon |
| 4 | check engine light | 8 | high beams | | |
| 5 | default icon | 9 | ABS light | | |

**Display**



Closed door / Open door / Air pressure gauges / Fuel gauges / Water temperature gauge

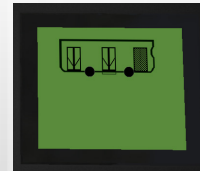**VDO-Dashboard Citelis (12 m version with EURO 3 engine)**



| | | |
|---|---|---|
| 1: Heater | 9: Interior lighting | 16: Gearbox control button |
| 2: Screen control button | 10: Speedometer | 17: Door buttons |
| 3: Retarder | 11: Warning lights | 18: Turn signal and wind- |
| 4: Gong | 12: Display | screen wiper control |
| 5: Warning | 13: Locks | 19: Speed bump control |
| 6 : Warning button | 14: DEV (self-service door | |
| 7 : Lights button | release) | |
| 8: Driver's light | 15: Businfo display | |



**Icons and screens description for VDV dashboard**



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



Door state screen



Fuel gauges



Air pressure gauges



Display for the water temperature of the engine

## Side control panel  Euro 4 / EEV



| 1: | Fan speed | 5: | Driver ventilation |
|----|-----------|----|--------------------|
| 2: | Recirculation | 6 : | SECU (allows to bypass the door stop brake) |
| 3: | Ventilation temperature | | |
| 4: | Windscreen ventilation | 7 : | Parking brake |

## Side control panel  Euro 3



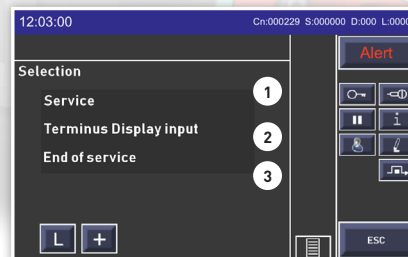| 1: | SECU (allows to bypass the door stop brake) | 4: | Start battery | 8: | Ventilation temperature |
|----|------|----|------|----|------|
| | | 5: | Driver ventilation | | |
| 2: | Stop engine | 6 : | Fan speed | 9: | Windscreen ventilation |
| 3: | Start Engine | 7 : | Recirculation | 10: | Parking brake |

# 9. BUSINFO

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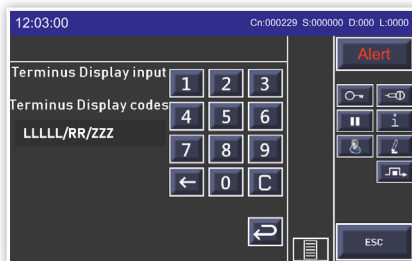
### Start of the BUNSINFO-System



Please enter the driver PIN 229 using the number pad.
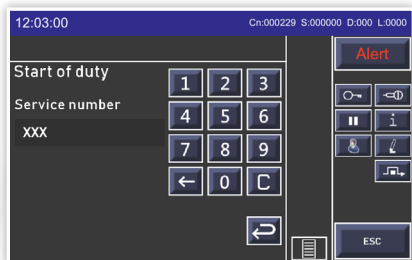
### Operating the BUSINFO system



**1** Automatic programming of the matrix by entering a service number (any, since it is fictitious)

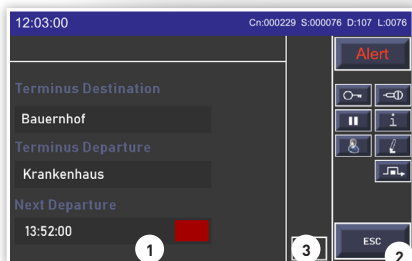**2** Program manually the matrix

**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.
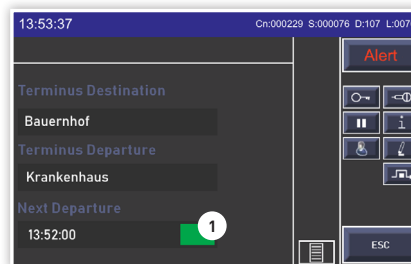
### Automatic mode

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.
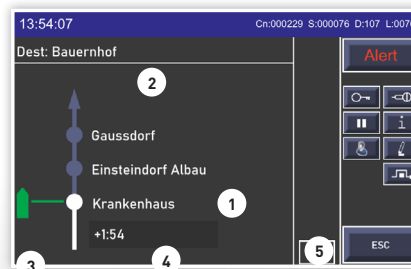
### Before departure

**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

early

0 min to 2min late

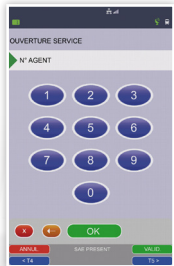2 min to 15 min late

Over 15 min late

## 10. 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 slided forward, click and drag from any point of the conduents display

## 11. CREDITS, LEGAL NOTICE

**Publishing**
Halycon Media
www.halycon.de
Volker Rieck

**Productmanagement**
Wineberger
Projektmanagement
www.wineberger.de

**Coverart and Manual**
BD Media
www.bd-media.at
Bernhard Doeller

You can find the individual team members of the development team in the the added document CREDITS-LEGALLINE.PDF in the AddOn directory of the extension: ..\OMSI 2\ Addons \ Irisbus-Citybus \ .

# OMSI Addons by a specialist