aeroSOFT™

OMSI *2* Add-on

PROJECT

Gladbeck

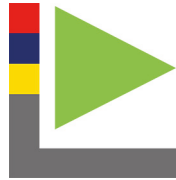**Quick Start Guide**

259 GOETHEPLATZ

The Ruhr region by bus!

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Official website: www.projekt-gladbeck.de

PROJECT

Gladbeck

Manual

Add-On for

OMSI 2

Content

Introduction

Welcome to the Ruhr Valley District

Explore 500 kilometers around Gladbeck and 12 other cities in the Ruhr Valley District. A total of 35 bus lines promise unprecedented variety, while 24-hour operation guarantees around-the-clock driving pleasure. We have added additional new bus models for an excellent experience:

The C2 was modeled on the original buses produced by Vestische Straßenbahnen Gmbh. To accommodate more passengers, the articulated C2-G model is also included.

System requirements

In order for the „Project Gladbeck" add-on to play as smoothly as possible, your system should have the following minimum requirements:

- OMSI 2 – The Omnibussimulator min. 2.2.032
- Operating system Win XP/Vista/7/8/8.1/10
- Processor (CPU) 2,8 GHz
- RAM: 4 GB or higher
- Free hard disk space min. 6 GB
- Graphic card min. 1024 MB (DirectX: 9.0 or higher)
- Internet connection and user account required for Steam.

Please note: OMSI 2 - The Omnibus Simulator must be installed in advance for the add-on to operate. A Steam internet connection is required for the online activation.

Recommended requirements:

- Processor: 3.2 GHz Quad Core
- RAM: 4 GB
- 3D-graphic card with min. 1 GB graphic memory
- Force Feedback steering wheel (best with 900°-rotation angle)

A 4 GB patch can be downloaded for more available memory for the OMSI. Information can be found on the forum: www. projekt-gladbeck.de

Installation

You have to be logged in with administrator rights before you start the installation of "OMSI 2 Add-On Project Gladbeck". To start the installation of "OMSI 2 Add-On Project Gladbeck" simply insert the DVD into your DVD drive or run the file you downloaded from your shop account.

After you have chosen your preferred installation language, the welcome screen appears and you will be presented with some important information and the license agreement. Please read it carefully.

The installation program will attempt to locate the correct path. If you wish to install to another location, then you will have to enter the correct path for installation manually.

In order to do this, click on "Browse" and navigate to the correct path. Before the installationprogram starts to copy the files onto your hard disc, you will be presented with all the installation details.

The installation program will now copy all of the "OMSI 2 - The Omnibus Simulator" files onto your hard disk.

If you want to make any changes or to install any updates for this program you will need the DVD or the installation file from the download shop and your registration key again.

Important note!

Important information for Steam Installation:

Should there occur problems during the Steam installation process, please start the file "GladbeckSteamInstallation.exe" in your main directory of OMSI2.

In some cases when uninstalling the Steam Files it can happen that sound files (announcements) of the add-on "Hamburg Day & Night" (if installed) are also being deleted as these files are shared between the two add-ons. If this is the case, please install the Hamburg add-on again to solve this problem.

Subsequent to the installation the Aerosoft-Launcher will be started for the online registration. Learn more about this program in the next chapter.

Aerosoft Launcher

General information about the Aerosoft-Launcher

The Aerosoft-Launcher gives you an overview of all Aerosoft products installed on your computer. You will also have easy access to special features available for the several products.

Should the SOFTWARE PRODUCT require an Online Registration, the Aerosoft LAUNCHER will take you through this process. The Aerosoft-LAUNCHER will be automatically installed with the SOFTWARE PRODUCT and will launch at the end of the install process.

You can run the Aerosoft-Launcher at any time via the Windows START menu to check the activation state of your installed SOFTWARE PRODUCTS. Just follow this link:

START | ALL PROGRAMS | AEROSOFT | Aerosoft Launcher

The Aerosoft-Launcher starts up in the "Library" view by default. Here you can see an overview of all installed Aerosoft SOFTWARE PRODUCTS and their state of activation.

The following categories will be shown.

"Aircraft", "Sceneries", "Tools/Missions", "Category-Unknown" and "Simulation".

The SOFTWARE PRODUCT will be placed in one of these categories accordingly during installation. Older SOFTWARE PRODUCTS which do not need an online activation will be placed in the category "Category-Unknown".

In the "Library" view you will also see an overview of current Aerosoft News.

What is required for an installation?

For an installation and an online activation you will have to have administrator rights. Please make sure that you have these rights.

You will also need an active internet connection.

How do I activate a SOFTWARE PRODUCT?

If necessary please change to the "Library" view and select the SOFTWARE PRODUCT for activation.

Click on the button "activate".

The following screen will appear:

Enter your email address and your registration key and click on „Online activation". Please note you will need an active internet connection for this procedure.

You registration data will transfered to our Aerosoft server now.

Your information will now be transferred to the Aerosoft server. After a successful transfer your system will be activated and used without further limitations.

Please note that depending on the safety settings some data of theAerosoft SOFTWARE PRODUCT need to be personalized.

Information about the activation status

GREY == undefined

GREEN == active

YELLOW == reactivation required

RED == activation unsuccessful

I want to install the SOFTWARE PRODUCT again. How do I do this?

The "Library" view will show the activation status of each SOFTWARE PRODUCT.

If it is shown in **GREEN**, the SOFTWARE PRODUCTS are active. A new activation is not necessary.

If it shows **YELLOW** the SOFTWARE PRODUCTS have at least been activated once but need a new online activation because of new hardware in your system. Click on the button "activate". Please note that all required information has been correctly filled in.

There is an update available for the SOFTWARE PRODUCT. Does it change the activation status?

Normally the activation status will not be changed. It is possible though that an adoption of the activation status on to the new installed data is necessary.

If this is the case change to the "Library" view and select the appropriate SOFTWARE PRODUCT.

Click on the "refresh" Button to take over the activation status.

I have to reconfigure my PC-System or I have got a new PC. What do I have to bear in mind?

A check of the activation keys commences every time the Aerosoft-LAUNCHER is started. Depending on the activation status, a new activation might be necessary.

Removal

In order to fully remove "OMSI 2 Add-On Project Gladbeck" run the Aerosoft-Launcher. Change to the „Library" and select „OMSI 2 Add-On Project Gladbeck" in the „Simulation" category. The information about „OMSI 2 Add-On Project Gladbeck" will appear.

Click on the „Uninstall" button. The installation program will start to remove the program from your hard disk.

Set-up options for this OMSI add-on

Please go to the menu options to choose between high, medium and low set-up options.

Medium Set-up Example

Graphic:

- Number of neighboring tiles: 2

Further graphics:

- Use only low resolution textures: No
- Maximum memory required for high-resolution: 400
- Real-time texture size: 512

Sounds:

- Maximum sound: 1000

Area traffic:

- Timetable priority: 3
- Reduced AI-list use: No

About this Manual

This manual is limited to the description and explanation of this add-on. It is a supplement to the manual for the game "OMSI 2- The Omnibus Simulator".

Please read the manual for the main OMSI game for descriptions and instructions about basic functions and configurations. If clarification for the add-on is required, explicit references to the OMSI manual are provided in this Gladbeck manual.

Preparing for Your First Trip

In order to successfully master your first trip, you should familiarize yourself with the technical aspects of the OMSI system. We recommend you take the time to read the information in Chapter 2 of the OMSI Manual if you are not already familiar with the simulation.

Start the Add-on

Please select the appropriate version from the menu above:

- **Gladbeck**

When you first start the game, select the option, "Load Map without Buses". Later you can select your desired date and time, Press the "Start!" button and you are on your way!

City and Articulated Bus

Introduction

The Vestische Straßenbahnen GmbH (Vestische) is a member of the Regional Rhine-Ruhr Transportation Network and operates in the district of Recklinghausen. A total of 230 buses operate in and around the district's city of Gladbeck.

For the OMSI2 Gladbeck add-on, we have included the 12-meter and articulated 18-meter 2015 model vehicles. Regional partner companies using identical models distinguish their lines by using other paint combinations.

Both models have the latest Euro-6 engine with 6-speed transmission, an entry control system with ticket scanners and touch screen ticket printers, automatic lowering for entrance floors, interior displays for advertisements and stop announcements, and security cameras. Buses have also been equipped with a driver management system developed by Bochum-Gelsenkirchen. This system monitors your driving style and suggests appropriate changes. This certainly offers new challenges for advanced OMSI drivers!

Numerous new sounds and textures have been implemented in the Gladbeck buses. For instance, you may see updated advertisements and news on your printer when you are on-line with the OMSI.

New developments also include the touch screen ticket printers, entry control system, door and light controls, as well as a camera system for the bus.

Technical Information

The ultra-modern city bus was launched for the first time in 2011. It includes standard ESP, daytime running lights, LED outdoor lighting and other amenities you would expect to find in an automobile, such as the VDV-compliant driver's seat.

The strict Euro-6 emissions standard requires a catalytic converter using AdBlue, a urea liquid added to the fuel to reduce emissions. It also has a large cooler for the tower motor in the left rear.

In comparison to the "Three Generations" add-on, this model has a shortened wing-like roof trim on the front of the bus.

The buses are equipped with three double-doors. The center door can be opened by either pressing the door release or the pushbutton but it can only be closed by the driver pressing the button. The rear door closes automatically.

The external LED displays were manufactured by LAWO Benefit. The front and right side displays show complete information. The rear and left side displays only show the number of the line.

The interior has a flat screen display in each part of the car, front and rear.

Three folding seats are installed in the multi-purpose area. There is limited seating in the rear due to the large tower motor.

To increase security, there are several ceiling cameras. Video footage is recorded only when needed. At speeds of less than 5km per hour, the driver can monitor the door areas on his control display.

A front mirror is integrated in the right-hand side mirror so that you can observe the area in front of the bus. The rearview mirror is in two parts and has a magnifying mirror so that you can see the rear door area.

These buses are equipped with a modular tachograph. The tachograph is digital and is independent of the speedometer. It records information like speed, distance, and driver's activity. It is similar to a manual system you would keep on a record sheet. You can find it in the top sawtooth above the driver's seat. You can even open the tray and insert a record sheet here.

The ticket printer is a modern touch screen printer. It uses GPS to control the stop announcements. Additional functions include automatic ticket recognition for all OMSI tickets, destination input, cancellations, refunds, driver breaks and end-of-shift announcements, relevant travel and stop announcements, course and stops input.

Overview of the Driver's Area

Dashboard Switches and Controls

1	**Rotary Switch Positions 0 - 3:** Out, Parking Light, Dimmed Headlights. Automatic Daytime Running-lights. Front and Rear fog lights off-switch.	15	**Diagnostics Display** Only used in the garage
2	**ASR (Acceleration Slip Regulator) Switch** Only effective below 30 km/h	16	**Driver Ventilation Diffuser**
3	**Passenger Area Light Switch** Level 1 (full) or Level 2 (dimmed)	17	**Gear Selector Switch**
4	**Ticket Register Light Switch**	18	**Bus Stop Brake Switch**
5	**Loud Speaker Switch** Does not function	19	**Floor Lowering Switch** Automatically lowers the entrance floor when doors open
6	**Steering Column Switch** For turn signals, horn, windshield wipers, washers, headlights, emergency flashers	20	**Leveling Switch** Used to raise and level the chassis
7	**Steering Column Lever** Retarder (Continuous Brake)	21	**Lowering Switch**
8	**Ignition Lock**	22	**Hazard Lights Switch**
9	**Speedometer, Odometer**	23	**School Bus Light Switch**
10	**Indicator Lights**	24	**Door Release Switch** to release Doors 2 and 3
11	**Central Information Display**	25	**Front Door Button**
12	**Tachometer, Motor Control Light**	26	**Door 2 Button**
13	**Driver's Door Unlock Switch** Opens the hinged driver's door		
14	**Air Suspension Switch** Only used in the garage		

Steering Wheel Button

On the left of the steering wheel you will find the button to scroll through the central information display menus.

The menu scroll switch functions only when there are no sever mechanical problems present.

Window Control Switch Console

27	**Fan Control Switch** Changes the passenger compartment fan to 'on' or back to 'automatic'. When the bus is parked, only the lowest level is available.
28	**Ventilation Switch** Does not function
29	**Exterior Emergency Switch** Disables the external pneumatic door for about 10 minutes.
30	**Window Heater Switch** Heats side windows.
31	**Receipt Switch** Does not function.
32	**Mirror Adjustment** Does not function.
33	**Electric Sliding Window Switch** Opens and closes the driver's window.
34	**Electric Sunshade Switch** Raises and lowers the sunshade.
35	**Central Display Switch** For advancing the display.
36	**Handbrake (Parking Brake)**
37	**Emergency Release Switch** Disables the start prevention device if it is not functioning properly.
38	**Valve Adjustment Switch** If active, this can be adjusted using the instrument panel mouse. It cannot be unlocked without electrical power.
39	**Gearshift Lever** Does not function.

More Driver Area Instruments (sawtooth)

40	**Destination Display Program Device** Only used in the garage
41	**Digital Tachograph**
42	**Air Conditioning/Heating Unit Operation Device**
43	**Driver's Area Light Switch**

Indicator Lights
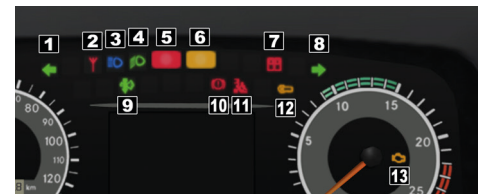
1	Left Blinker	8	Faulty Brake Indicator
2	Radio Indicator	9	Wheelchair Ramp Indicator

3	High Beam Indicator	10	Stop request Indicator
4	Low Beam Indicator	11	Motor Regulation Indicator
5	Fault Indicator	12	
6	Warning Indicator	13	Leuchtmelder Motorregulierung
7	Door Release Indicator		

Central Information Display

For this generation of buses, the manufacturer has designed a new driver's area based on VDV standards. VDV is the Verband Deutscher Verkehrsunternehmen, the umbrella organization of transit authorities and public transport companies. The new configuration includes a smaller, redesigned information display that replaces analog dials. In comparison, the old VDV cockpit used traditional built-in control lights for important functions.

When the electric current is turned off, the logo is displayed for about one minute before it turns off completely. The original vehicle manufacturer's logo is shown. The display has five menu pages:

- Stop Menu
- Drive Menu
- Warning/Failure Menu
- Pressure Gauges
- Temperature Gauges

As long as there are no problems or failures and the operating pressure is sufficient, the display will start with the 'Stop Menu'. Otherwise, the 'Warning' or 'Pressure' menu will be displayed until the problem is fixed and the vehicle is ready to drive.

You can scroll through the menu page on the display with the button on the left of the steering wheel.

Changing from the 'Drive' to the 'Stop Menu' happens automatically, depending on whether the bus is stationary or moving.

If there is a serious problem (red), only the 'Warning/Failure' menu is available. Several problems can be seen by scrolling with the steering wheel button.

Important information is always displayed on the left, right and bottom sides. AdBlue and diesel reserves are displayed on the left. Gear and brake status are on the right. The current time and the indoor and outdoor temperatures are on the bottom.

AdBlue is a urea liquid added to the fuel to reduce emissions.

The bus symbol indicates the door status. Green means the door is closed, white means it is open.

You can tell if the Stop or Parking Brake is activated by looking at the axis (filled white).

The arrows at the bottom show the direction of the floor lowering device.

Page 4 of the menu hast two views, pressure gauges and temperatures. On the pressure gauge view, you will see four circular gauges, the first showing the supply pressure and the second showing break pressure. The third and fourth gauges show the door control and leveling.

The temperature display shows (from top to bottom):

- Coolant temperature (ideally 70-90°C)
- Engine oil pressure (optimally 2-4 bars)
- Battery voltage (optimally 24-26 V)

Entry Control System Operation

The Entrance Control System (EKS) turns on by default. This system sends you a message when a boarding passenger scans his ticket. You can switch off the control using the control display on the dashboard.

Ticket Printer Operation

After the ticket printer powers up, press 'Start' and type in your vendor number and PIN. If you are not logged-in, this is displayed on a list on the left.

Next you can enter a course number for the announcement and stops display. The course numbers can be found in the schedule information for each map. If no OMSI schedule is activated, no delays will be displayed and you must manually change the stops by pressing Q or using the yellow arrow keys.

Without a course number, you can still sell tickets, but without stop information. The printer can identify up to 8 tickets for every OMSI map.

Ticket sales are totaled and can be seen in the Function Menu (F). Enter "Refund" if you need to subtract an accidentally printed ticket from the total sales.

In the Function Menu, you can also end your shift, change the course number or lock the register ("Pause"). These actions require you to enter your PIN again.

Refer to the main OMSI menu to manually select a destination using the 'Destination Code'.

While driving, the printer display changes from the sales screen to show current and next stop. If you are driving a particular course number and begin a new trip, you must confirm that the initial location has been reached by pressing the green button, 'Starting point reached'.

With the 'INFO' key, you can check the latest news from the control center. This is updated over the Internet when you start OMSI2.

Driver Management System ("RIBAS")

In keeping with German laws, buses are equipped with a device to monitor driver behavior. In the left window, you will see the RIBAS unit. A buzzer and LED lights register if you:

1. Drive at speeds of more than 2000 revolutions per minute
2. Accelerate too quickly
3. Brake too hard
4. Idle longer than 3 minutes
5. Drive faster than 72 km/h

Door Controls

The buses are equipped with pneumatically operated internal pivoting double doors.

Doors 1 and 2 can be opened directly by the driver by pushing a button. If the Door Release Switch is activated, passengers can open Doors 2 and 3 from inside or outside the bus.

Door 3 closes automatically. Door 2 must be closed by the driver by pressing a button.

Since it has an electromagnetic lock, the driver's door can only be unlocked using the switch on the top of the instrument panel.

Each door has an interior rotary handle that can be mechanically locked and unlocked. This functions like the exterior key.

New EU security regulations specify that each door is equipped with an external emergency valve or door opening. This emergency valve can be set from the inside with a switch and expires in 15 minutes.

Over every door are an LED entrance light and an emergency valve with a security cap.

The exterior driver's door opener is behind the front right maintenance panel.

Leveling

The cushioned air-suspension lift system automatically compensates for differences in floor height under various loading conditions and ensures smooth road handling. The system is also used with the doors closed at a stop to lower the right side of the bus for easier boarding.

The default setting for the system is set to 'Automatic Lowering' so that the bus is always lowered when a door is opened.

Closing the doors automatically raises the bus. You can also raise the level of the bus on both sides to avoid bottoming out when driving on a road in bad condition.

Sufficient reservoir pressure is required to operate the leveling system.

Light System, Power Saving and School Bus Operation

This is the first bus line to use LEDs for standard outdoor lighting.

There are also automatic daytime running lights that turn on when the motor and the headlights are turned on. Destination displays are equipped with their own LEDs and do not require any further lighting.

Use positions 0 - 2 on the rotary light switch found on the instrument panel for setting the lights to parking or low-beam. This switch also works the instrument panel lights. Daytime running lights are always lit when the engine is running. Pull the switch to activate the front and rear fog lights.

If the headlights are on, the entrance light for a respective door will come on when the door is opened, and the light for cashpoint will show the open door.

The power saving function dims the headlights and side lights when the engine is switched off. When the engine is started again or the light switch is activated, the light increases to its normal strength.

The interior lights are divided into 2 sections and will go out after about 1 minute in the power saving mode or when the engine is turned off. There is also a toggle switch for the light for cashpoint. The interior front area is not lit while driving to prevent glare and reflections. Lights only turn on when the front door is opened for boarding.

When operating as a school bus, turn on the 'School Bus Operation' switch to automatically activate the hazard lights. Use the right blinker when the doors are open to turn on the hazard lights and the left blinker to turn them off. This saves you from having to turn on the hazard lights at every bus stop. This function is deactivated when the 'School Bus' switch is turned off.

Internal Stops Display

The buses are equipped with internal dual wide-screen displays for stop information and advertising. The articulated bus also has a simple indoor display at the rear of the vehicle.

On the left side of the wide-screen you will see information about the current route and the next stop. The advertising screen updates with new advertisements when connected to the internet at the start of OMSI2. The rear display in the articulate vehicle alternates between advertisements and stop information.

Stop requests are also displayed on the bottom (BUS STOP).

Heating, Ventilation and Air Conditioning

Air conditioners are installed on the roof. There is also an auxiliary oil heater for cold starts.

The bus has sliding windows. However, these should only be used when the air conditioning is not running.

The turbo roof fan and the front heating equipment have been replaced by side floor heaters that run along the entire bus, interrupted only by pedestals.

The air conditioner is operated by the control panel on the sawtooth over the driver's seat.

PLEASE NOTE: As can be seen on the small icon below rotary knobs, these settings only serve the driver's area. In order to regulate the temperature in the passenger compartment, press the second button on the right.

Now we will take a closer look at the control panel.

The rotary knobs adjust the driver's seat ventilation. Turn the dial to select foot well, dashboard and foot well vents, dashboard vents only, and windshield defroster. The vent flaps remain open at each setting.

Use the second dial to set the temperature. The heat is generated by heated water from the engine and is controlled by the thermostat.

The third dial controls the blower strength. When the bus is in 'Park', there is only a small amount of power available.

Fan Control Switch

You can adjust the passenger compartment climate control using the switch on the left window console.

Press the switch up to turn the fan on. When the engine is off, only a small amount of power is available. The fan will switch on automatically if the passenger air and the recirculation fan controls are off and the temperature exceeds the set point.

The fan is always switched off when the recirculation fan is activated or the internal temperature is too low. Press the switch down to return the control from manual to automatic.

The buttons on the right keypad regulate the climate control.

The indicator lights show which function is activated.

❄	**Drivers Area Cooling** combines the driver's seat ventilation with air conditioning	⟳	**Re-circulated Air** Fresh air ventilators close for 10 minutes
⧇	**Passenger Area Temperature Regulator** activates air conditioning in the passenger compartment.	❄	**Reheat** Quickly thaws window frost
♨	**Auxiliary Heat**		

Driver's Area Cooling

This is used to quickly cool the driver's area during high temperatures. It is activated only when the temperature selector is in the blue zone and the outside temperature is over 12°C.

Re-circulated Air Setting

Use this setting to temporarily close the fresh air dampers in poor air conditions or to raise the heat more quickly. This will, however, reduce the cooling capacity. The flaps open again automatically after about 10 minutes and the indicator light will go out.

Passenger Area Temperature Regulator

This automatically adjusts the fan speed to bring the passenger compartment temperature to the programmed setting. To change the temperature setting, refer to the 'Adjusting the Temperature' section below. The passenger compartment temperature control runs on a low fan speed when the motor is off to save energy. The air conditioning is turned off when the outside temperature is too low.

Auxiliary Heat

The auxiliary oil heater is active only after the bus is warmed up. It is indicated on the central information display and by the control light on the keypad. It can be used to quickly warm-up the engine and provide more available heating power. The climate control cannot automatically start the auxiliary heater. If the engine temperature is too high, the auxiliary heater will pause.

Reheat

This function blows dehumidified air from the air ducts on to the windows to ensure faster defrosting.

Adjusting the Temperature

The factory temperature is set at 22°C. To change the programming for your bus, hold the passenger compartment temperature control switch for several seconds until the indicator light starts flashing.

Now you can change the temperature in increments of 2°C within the range of 18-26°C using the re-circulated air button to reduce the temperature the auxiliary heat button to raise the temperature.

Note: Detailed documentation about the depots, bus stations and rout maps can be found in digital version. (Installation, Launch and Steam)

Credits

This add-on would not have been possible without the following people. We extend our heartfelt thanks to them for their support, dedication, and generosity:

Patrick Führus, MVAG , Dennis Bläser, Miekele, Heiko Ludwig, Michel Wagner, Sebastian Radtke, Mathias Giesen, Andy Dieske, Oliver Schwalke, Stefan Scheps, Florian Lachmund, Kevin Schmid, Maurice Kelch, Stefan Walter, Fabian Boulegue, Maik Müller, Kevin Korbmacher, Jan Schymik, Manuel Gacria, Philipp Chmiel, Stefan Becker, Pascal Stern, Björn Hartmann, Fabienne Stipek, Melissa Kostka, Neslihan Acar, Laura Borchert, Chantal Liss, Justin Lapok, Busdriver 1999

To the following companies: Vestische Straßenbahnen GmbH, BoGeStra, EVAG, Urban Reisen, Movie Park Germany, Salzgrotte DB Regio NRW, City Center Gladbeck, CentrO Oberhausen and many other participating companies, we thank you for your generous support.

We thank all of the photographers who have provided us with countless images and textures to use in this add-on.

A special thank you goes out to CG-Textures who has been supporting us since March 2015 in procuring and preparing all the necessary textures.

Manual: R&W