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Fernbus

COACH SIMULATOR

Manual



FLIXBUS

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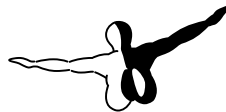
Fernbus Coach Simulator

Manual

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Epilepsy - Warning

This section should read and considered carefully by adults and particularly for children before using the game.

Epileptic seizures or consciousness disorders can be triggered by certain flashing lights or light patterns in people who suffer from photo sensitive epilepsy, even in everyday life. While it is not usually dangerous, these individuals can experience seizures when using computer or video games. It is also possible that even those who have never been affected before or suffered an epileptic seizure can experience this. If an individual or family member experiences symptoms such as seizures or consciousness disorders associated with epilepsy when exposed to flashing lights, they should consult their doctor about using the game. Parents should monitor their children's use of computer video games. If an adult or a child experiences any of the following symptoms: dizziness, visual disturbance, eye or muscle twitching, loss of awareness, disorientation or any sort of involuntary movement or convulsion while playing the game, discontinue use IMMEDIATELY and consult a doctor.

Precautions

- Sit as far back from the screen as possible.
- Use a small screen when playing the game.
- Avoid playing if you are tired or have not gotten enough sleep.
- Play in a well-lit room.
- Take a 10-15 minute break every hour.

Installation

Note: You must be registered as an administrator. An Internet connection is required to install the Fernbus Coach Simulator.

1. Click "Start" in the taskbar.
2. Click on "Computer".
3. Double-click on the corresponding DVD-ROM drive.
4. Double-click the "setup.exe" icon.
5. Steam will install first if it is not already installed on your system. Any necessary updates will be installed.
6. You may create a new Steam account or use an existing one. Enter the required data.
7. When prompted, enter the activation code you can find in your game box.
8. Fernbus Coach Simulator will install from the DVD. Any required updates will be downloaded from the Internet.
9. After installing the game, an Fernbus Coach Simulator icon will appear on your desktop.
10. Double-click the icon to start the game. Alternatively, you can access the game from your Steam library.



Quick Start

The Fernbus Coach Simulator provides tips at the top of the screen to indicate what you should do next.

In the following you'll find the basic first steps for each of the difficulty levels:

Easy Level

- Click 'Start Game' in the main menu.
- Choose a profile name to your liking.
- Select a city from which you want to play to unlock the map.
- Then create a route within your commuter belt.
- Click 'Next'.
- Under difficulty level, select 'Easy' unless already selected.
- Click 'Start Game'.
- Once the screen loads, you start directly from the bus stop.
- Follow the instructions on the simulator to board passengers.
- The doors open automatically once you stand up using 'C'.
- Press 'C' again to board the bus and sit in the driver's seat.
- If the bus is parked within a designated bus stop the luggage compartments will open automatically as well.
- Use the 'W', 'A', 'S' and 'D' keys to control the bus.
- Use the '1' and '2' keys to switch the camera from the inside to the outside of the bus and back.
- Follow the directions in the navigation window located in the lower right corner of the screen.
- If the bus overturns or is diverted from its route, you can use the 'Backspace' key to set the bus upright and to reset the course.

- When you reach your stop in the next city, or if you need to take a break, park the bus in a designated area.
- Continue the trip via stops in the other scheduled cities.
- Once you have reached the last destination on the scheduled route, you will get an evaluation of your trip.
- You can now select a new route from the menu and begin a new trip.

Realistic Level

- Click 'Start Game' in the main menu.
- Choose a profile name to your liking.
- Select a city from which you want to play to unlock the map.
- Then create a route within your commuter belt.
- Click 'Next'.
- Under difficulty level, select the 'Realistic' level.
- Click 'Start Game'.
- After the screen loads, you start directly from the bus station.
- If you have not turned off the tips in the options menu, you can follow the simulator's instructions.
- Use the 'W', 'A', 'S' and 'D' keys to move while outside the bus.
- Use the Left Mouse Button to open the doors of the bus.
- Press 'C' to sit in the driver's seat.
- Press 'E' to put the key in the ignition.
- Press and hold 'E' again to start the engine.
- Check the fuel level and if necessary, refuel the bus at the gas pump in the depot using the Left Mouse Button.

- You can turn the destination display on or off using 'Z'. As long as this display is off, passengers won't enter the bus.
- Use 'F9' to close the front door and open it again, if necessary.
- Press 'Pg Up' once to set the automatic transmission to 'Drive'.
- Press the spacebar to release the parking brake.
- Use 'W' to step on the gas.
- Press 'S' to operate the brake.
- Use 'A' to steer left and 'D' to steer right.
- If you are in the Drive position and want to back up, press 'Pg Down' twice to shift into Reverse.
- Once you are in Reverse, press 'W' to back up.
- To drive forward again, the bus must first come to a full standstill. Press 'S'.
- Once the bus is at a full standstill, press 'Pg Up' twice to shift back to Drive.
- Now press 'W' again to accelerate a bit and drive towards the depot's garage door. If a garage door exists, it will open automatically.
- Follow the navigation directions found in the lower right corner of the screen or on the dashboard.
- When you reach the bus station at the start of your route, open the door by pressing 'F9'. Press 'C' to exit the bus and Left Mouse Button to open the luggage hatches for the waiting passengers.
- Now you can check-in the passengers. Press Left Mouse Button to speak to any passenger of your choice and have him show you his ticket.
- Check the validity of their ticket with your app and using the mouse, press the appropriate buttons on the HUD (Heads-Up Display or Status Bar).



- Ensure that every passenger has a valid ticket using your app, and press the corresponding buttons in the HUD with your mouse.
- Note that not every passenger necessarily has a valid ticket.
- Alternatively you can use the Express Check-In. This allows you to scan a tickets' code and ensure its validity without having to manually check them.
- From time to time, a passenger without a ticket might want to purchase one directly from you. Enter his destination in your app for validation by the central headquarters. It is possible that there are no vacant seats or that the destination is not on your route.
- Once all passengers are on board, press Left Mouse Button again to secure and close the luggage hatches.
- Board your bus again and take your place in the driver's seat by pressing 'C'.
- Press 'E' once to turn on the engine and then press and hold 'E' to start the engine.
- Before driving, close the front and rear doors by pressing 'F9' and 'F10'.
- Press 'Pg Up' to shift the automatic transmission to Drive.
- Release the parking brake by pressing the spacebar.
- Use 'W' to step on the gas.
- Follow the navigation directions to the next stop on the route. Passengers who have reached their destination will get off. Repeat the check-in procedure for new passengers.
- The last passengers will depart at the route's final destination. Log out of your app on your smartphone. Once you have completed the route, you will receive an evaluation of your trip.

Introduction

The Fernbus Coach Simulator allows you to travel throughout Germany. The bus models allow you to carry passengers to any part of the country, from the foothills of Munich to Lake Constance, from Freiburg to the ports of Hamburg, Wilhelmshaven and Kiel, to the coasts of the North and Baltic Seas and the island of Rügen.

When the railway monopoly ended in 2013, intercity buses turned from a cheap travel alternative for students, seniors and other passengers to become an integral part of the public city transport system.

The simulator is suitable for beginners and experts alike and offers you the possibility to adapt the routes to your own specifications.

After you've created your profile, you can choose a city from which to unlock the map by playing. To unlock further cities and their depots, you just have to drive to them once.

Every completed ride extends your commuter belt. The more successful you complete your rides, the more experience points you earn, enabling you to have the map revealed quicker.

The free play mode allows you to take any bus from any city wherever you wish, without having to carry passengers, follow a predefined route.

With the route editor you can create, save, edit, and delete routes depending on our profile's level. With level 4 'Expert' the whole map is available to you.

In order to make the driving experience as varied as possible, the simulation has events programmed to randomly occur during your trip. These may include radar speed traps, police checkpoints, roadblocks, and much more. No trip is like another, each is unique.



Objectives of the simulator

Besides driving a bus and carrying passengers, we want to give you long-term objectives by driving along the map, so you can compete with your friends and others on Steam in a ranking list.

Therefore, at the beginning you can choose a city of your liking. From there, you can approach cities within your initial commuter belt. Once you've entered a city for the first time, it will be unlocked as a future starting point with its depot. After completing your ride, you will be able to start new routes from the unlocked cities as well.

Successfully completing a few rides should earn you enough experience points to move up one level. This not only extends your commuter belt and gives access to new cities, but also unlocks the MAN Lion's Coach C for your rides.

The following list shows you all bonuses:

Level 1	'Beginner'	MAN Lion's Coach + radius extension
Level 2	'Advanced'	MAN Lion's Coach C + radius extension
Level 3	'Professional'	Night rides + radius extension
Level 4	'Expert'	All routes + radius extension

You can always look at the ranking list in the main menu and filter it by 'Global' or your 'Friends'.

FlixBus

Thanks to our cooperation with FlixBus, the largest provider of intercity bus networks in Europe, we are confident you will enjoy the features we have developed in collaboration with them for this simulation.

The distinctive green design, realistic announcements, smart 'Check-In', and ticket sales are all part of the typical functions and activities we have included in this simulator experience. If you have travelled as a passenger or even a driver on an intercity route, you will recognize these.

With over 100,000 connections per day, FlixBus's green fleet of more than 1000 comfortable busses is the most striking bus transportation provider on Europe's roads today.

MAN Lion's Coach

Efficient. Safe. A pleasure to drive. These are the standards MAN set themselves for the Lion's Coach that allow long distance bus journeys to be made in style while providing an excellent economical and ecological price-performance ratio.

We have been working together with MAN for years and are pleased to have chosen their Lion's Coach models for the Fernbus Coach Simulator.

The 3D models are beautifully designed from the outside as well as the inside. You have at your disposal all of the appropriate functionality needed for a satisfying simulator experience.

The detail and design is even apparent under the hood. Here you will find the Euro 6 engine and the MAN TipMatic ® 12-speed manual gearbox digitally simulated. Even the audio production – recorded while operating a Lion's Coach – is accurately reproduced.

Our digital version of the Lion's Coach is a pleasure for the eye, and a believable listening and satisfying driving experience as well.



Lion's Coach

The compact dual-wheelbase model serves as our entry model. The longer versions of the Lion's Coach have identical engines, so there is no difference in performance standards. The only difference is that there are fewer passenger seats to accommodate the shorter dimension.

Technical Data

Vehicle Measurements

Length	12,000 mm
Width	2,550 mm
Overall Height	3,812 mm
Wheelbase	6,060 mm
Turning radius	20,610 mm

Motor

Motor Euro 6	D2066 LOH, D2676 LOH
Horsepower	400 HP, 440 HP
Capacity	10,518 cm³, 12,419 cm³
Maximum Torque	1,900 Nm

General

Seating	44 – 49 passenger seats
Luggage Capacity	10.7 m³
Total weight at full capacity	19.700 kg



Lions Coach C

The extended length of this model allows for an additional 11 passengers. The Lion's Coach C has a third axle to accommodate the longer wheelbase. This works with the front axle to keep the turning radius almost identical to the shorter Lion's Coach, even though it is 160 cm longer.

Technical Data

Vehicle Measurements

Length	13,600 mm
Width	2,550 mm
Overall Height	3,812 mm
Front Wheelbase	6,060 mm
Rear Wheelbase	1,470 mm
Turning radius	20,700 mm

Motor

Motor Euro 6	D2676 LOH
Horsepower	440 HP, 480 HP
Capacity	12,416 cm ³
Maximum Torque	2,100 Nm, 2,300 Nm

General

Seating	52 – 55 passenger seats
Luggage Capacity	10.7 m ³
Total weight at full capacity	25.530 kg

Main Menu

All important functions can be found on the Main Menu.

New Game

With this option, you can start a new game and choose a route and the bus of your choice in the options that follow.

Continue Game (Available after Auto-Save)

If a game has been saved, you can resume the latest save game where you left off with this option.

Settings

This option allows you to configure the settings to your liking.

Game

In the game settings, you can define the presets for the difficulty level outside the actual game.

You can either choose 'Easy' or 'Realistic' as the default set, or go to 'Custom' to define your own settings.

There are many possibilities for using 'Custom'. For example, you may want to define whether you have to drive to and from the depot, to see if it is necessary to refuel, or to test how realistic it is to steer the bus etc.

You may also use the 'Custom' settings to define the frequency of events that occur during your trip.



Graphics

In the graphics settings, you can customize the graphics for your hardware system or to your personal preference.

Use Auto-Detect to automatically set the graphics to the capabilities of your hardware.

Resolution	Resolution to be used in the simulator
Screen Mode	Full Screen/Window/Frameless Window
Field of View	The main camera's image area in degrees
Resolution Scaling	Graphical image resolution
Visibility	Maximum visibility
Anti-Aliasing	Edge smoothing of geometry
Post-Processing	Quality of post-processing effects
Shadow	Quality of the shadows
Material	Quality of the material shader
Texture	Quality of the textures
Effects	Quality of the particle effects
Motion Blur	Degree of motion-blur

Audio

Here you can set the general audio volume for the game and for each category of sound.

- Master volume
- Music
- Speech
- Effects
- Surroundings

Controls

The Fernbus Coach Simulator can be controlled using mouse, keyboard, and steering wheels with or without pedals. It also has partial support for game controllers.

General Controls

Forward	W / Arrow Up
Move Left	A / Arrow Down
Move Right	D / Arrow Right
Backward	S / Arrow Left
Turn Left	Left Mouse Button
Turn Right	Right Mouse Button
Edit HUD	Tab
Hotkey-Wheel Up	Numpad 8
Hotkey-Wheel Left	Numpad 4
Hotkey-Wheel Right	Numpad 6
Hotkey-Wheel Down	Numpad 2
Hotkey-Wheel Back	Numpad 5
Enter/Exit	C
Jump	Spacebar
Interact	Left Mouse Button / E
Pause	Escape / P
World Map On/Off	M

Vehicle Controls

Gas	W / Arrow Up
Brakes	A / Arrow Down
Steer Left	S / Arrow Left
Steer Right	D / Arrow Right
Start/Stop Engine	E
Left Indicator	Z
Right Indicator	X
Warning Lights on/off	<
Driving Lights on/off	F
Open/Close Front Door	F9
Open/Close Back Door	F10
Open/Close Luggage Compartments	not set
Automatic Transmission – Shift Up	Pg Up
Automatic Transmission – Shift Down	Pg Down
Cruise Control	T
Retarder Shift Up	.
Retarder Shift Down	,
Retarder max/off	/
Parking Brake	Space
Air Conditioning on/off	;
Set Air Conditioning Cold	[
Set Air Conditioning Warm	'
Play Announcement	Alt
Light Switch Up	L
Light Switch Down	K
ASR on/off	Not set
WC Release on/off	I



WLAN Release on/off	U
Passenger Reading Lights on/off	O
Driver's Lights on/off	R
Driver's Window Up	F5
Driver's Window Down	F6
Passenger Compartment Lights on/off	P
Driver Monitor on/off	N
Sun Shield Up	Not set
Sun Shield Down	Not set
Bus Lift Up	Not set
Bus Lift Down	Not set
Front Bus Lift Up	Not set
Front Bus Lift Down	Not set
Rear Bus Lift Up	Not set
Rear Bus Lift Down	Not set
Exterior Camera	1
Cockpit Camera	2
Look Left	3
Look Right	4
Camera Cockpit 1	5
Camera Cockpit 2	6
Camera Cockpit 3	7
Camera Cockpit 4	8
Change Cameras	0
Horn	H
Windshield Wiper on/faster	F4
Windshield Wiper off/slower	F3
Destination display on/off	Y

End the Game

Quit the game to return to your Desktop. NOTE: You will lose your game if you do not save it. Save the game before quitting if you want to return to it.

Saving and Loading the Game

The game can be saved from within the Pause Menu. You can also load previously saved games.

Saved routes are sorted by their corresponding map and can be found in the route planner.

Difficulty Level

There are two predefined levels of difficulty on the Fernbus Coach Simulator. Or, you may customize the difficulty to your own level.

Once you have chosen a route from the depot screen, you will find the options menu for the difficulty level in the selection screen of your fleet.

Easy

This level is intended for beginners and casual simulation players. Most of the bus functions are automatically done for you and you can fully concentrate on driving.

Realistic

We recommend the Realistic setting for advanced fans of real simulators. You can experience the Intercity Bus with all of its complexities even without a steering wheel or game controller.

Start your journey from the bus depot. Check your passengers in. Sell additional tickets. Refuel the bus. Take responsibility for operating and driving time schedules. Full control over all of the bus functions is in your hands.

Custom

Do you want to change the options available to you within the two preset levels of difficulty? With 'Custom' you can turn functions on or off to enhance your own driving experience. You can also change the frequency of events during your ride.

Starting the Game

Here you can find the saved games for each respective map, or you can select a new route from the available default routes. You can also change existing routes or create and publish your own.

Saved Games

To return to a saved game, select the corresponding map and click on the saved game to load it. You can also delete saved games here.

Standard Routes

Each map has a selection of pre-determined routes that you can choose from in this menu after you've unlocked them with your profile level. These routes are based on the route plans of FlixBus.

Route Planner

If the pre-determined routes are not enough, or if you want to create your own route, you can create one with the Route Planner.

You can create a route of almost any length, long or short. Change the start or end of a route. Add, replace, or remove stops.

With a left mouse-click, you can add or remove cities to the route. First select the city for your starting point. Next decide the city for the end of the route. If you choose three or more cities, those in between your start and end are the stopovers in your route.

You can also easily change the cities or reverse the entire direction of your route.





Free Travel

In this mode, you may start from the city of your choice. Drive your favorite bus anywhere you want, free of any schedule or obligation.

HUD and Instruments

The HUD (Heads-Up Display) is designed to provide only the most relevant information so as to distract you as little as possible from the simulation.

Most functions can be performed using the keyboard, steering wheel or game controller. You can also operate the game using the mouse by clicking on the appropriate buttons, levers and switches.

Cockpit

Most of the cockpit instruments are fully functional. In the picture and legend on the next page, you can see some of the features.



1	Steering Wheel	8	Front and Back Door
2	Parking Brake	9	Temperature Control
3	Light Switch	10	Tachograph
4	Blinker and High Beam	11	Instrument Display
5	Retarder and Windshield Wiper	12	Cruise Control
6	Automatic Transmission Indicator	13	Announcements
7	Navigation System	14	Radio

Navigation System

The navigation system can be found either on the dashboard to the right of the steering wheel, or in the HUD on the lower right of the screen.

It displays the direction of the route and the name and the distance to the next stop.

Tips

Tips for different situations are displayed on the top of the screen. For example, it may tell you which key to press for an action, or if you were caught on radar by a speed trap.



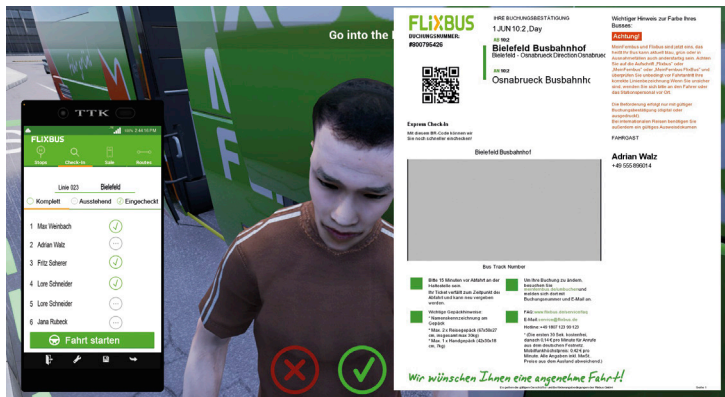
Hotkey Wheel

For easier operation using a steering wheel or game controller, you can select the most important functions to execute with the Hotkey-Wheel.

Check-In

Unlike passengers for local bus transport, most intercity passengers have already booked their tickets in advance. These can be printed by the passenger and shown to the driver, or they can be digitally displayed on their app. As the driver, you use your own app to validate their ticket.

There may be occasions when a passenger does not have a valid ticket. Therefore, pay attention to all relevant data including the passenger name, booking number, date and time of the trip.



Ticket Sales

Occasionally a passenger may wish to purchase a ticket directly from the driver. Enter the desired destination into your app to request a review and validation from central headquarters.

It is possible that the desired destination is not on the route, or that there are no free seats available on the bus right now or during the entirety of the ride.



Events

During the course of the trip, you may encounter a variety of events. The frequency of these may be adjusted in the Difficulty Settings.

Radar Speed Traps

Permanent and temporary radar speed traps are set up along the roads and highways. If you are caught driving with excessive speed, a message will flash at the top of the screen. This will impact the evaluation you receive at the end of the trip.

Police Control Stops

Bus and truck drivers are subject to special highway regulations. Police conduct occasional traffic control stops to check the operation and driving times recorded on the vehicle tachograph.

If you come upon a control point, pull into the rest stop and park in the marked area beside the police car. If you ignore the control stop and drive on, or if you do not comply with the operating and driving time limits, it will impact your evaluation at the end of the trip.

Roadblocks

Police may close off a road or an exit for any number of reasons. If you encounter a roadblock, the navigation system will give you to an alternative route to your destination.

Traffic Jams

Occasionally you will find yourself in congested traffic. You may try to bypass the traffic or accept the delay. You must evaluate the risks for either choice on your own.

Road Construction

Certain sections of the roads are under construction. Be especially mindful of the traffic, safety cameras and the distance between the bus and the barriers until you have passed the site.

Traffic Accidents

In addition to accidents caused by AI cars or even yourself, stranded vehicles can sometimes be found along the side of the road. Be especially aware of your speed and your lane when you pass these.



Refueling

As a rule, a full tank of fuel is sufficient to drive from Munich to Hamburg and back. However, if you run low on diesel you can refuel the bus at a gas station and or any bus depot.

In the event that you run out of fuel en route, you can request emergency assistance from a service car to refuel the bus.

Please note that for security reasons, it is highly unusual to refuel a bus with passengers on board.

Trip Evaluation

Drivers receive an evaluation at the end of the trip. Points are given for certain criteria such as correct check-ins, ticket sales, goals achieved, operating time and break compliance and much more. These points are added to obtain a total score by which you and others can measure your performance. It also extends your commuter belt on the map.

Credits

Many thanks to all of the contributors and to AEROSOFT for your commitment and cooperation!

Special thanks goes out to

- FlixBus
- MAN
- TML Community Management

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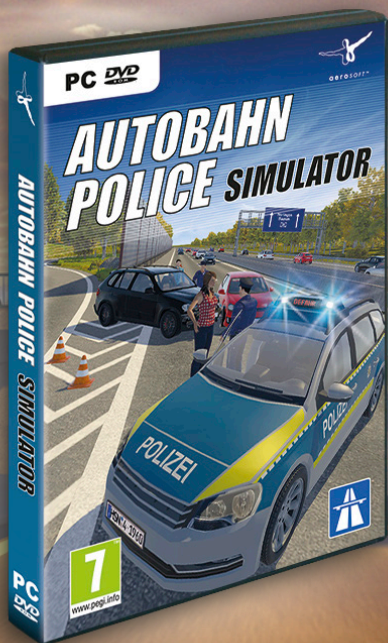
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