THE TRAM SIMULATOR

AEROSOFT®

TRAMSIM

Manual

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Starting Off

Advisories and Precautions

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

- Make sure you sit as far back from the screen as possible.
- Use as small a screen as possible when playing the game.
- Avoid playing if you are tired or have not had enough sleep.
- Make sure the room you play in is well lit.
- While playing a computer or video game, you should take a break of 10-15 minutes every hour.

System Requirements

To play TramSim as smooth as possible, you need the following:

- Operating system: Microsoft Windows 7 / 8 / 10 (64-bit)
- CPU: 2,6 GHz or more, 4 cores
- Computer memory: 4 GB RAM
- Graphics card: NVIDIA GeForce GTX 1050 Ti or AMD Radeon RX 550, each with 4 GB VRAM or better
- Network: Broadband internet connection
- HDD: 30 GB available space
- Additional notes: Internet connection necessary

Install Guide

You have to be logged in with administrator rights and need to be connected to the internet before you can start the installation of TramSim.

Insert the DVD of TramSim into your DVD drive. Follow the installation instructions presented on the screen. If the installation does not start automatically:

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

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In The Game

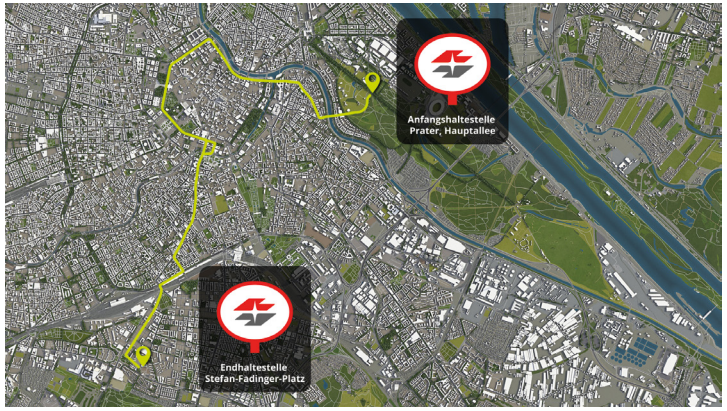
TramSim – The Tram Simulator

Immerse yourself in the life of a tram driver and experience up close what it's like to maneuver a 40-ton tram down the streets of a major city. Bring passengers to their destinations, keep to the timetable, and observe the traffic regulations. There is so much to see, discover, and marvel. Have fun with TramSim!

Welcome to Vienna!

Called "Tramway" and "Bim" by the Viennese, trams have long been a fixture of the Austrian capital. Since going electric in 1987, they have become an indispensable part of the streets. The Viennese tram network today is the fifth largest in the world, with more than 500 trams and 28 lines, and is operated by Wiener Linien.

Covering an area of nearly 4,000,000 m², the TramSim map includes the tram network which extends from Ringstrasse to the heart of Vienna in the green Prater Park all the way down to south Vienna. Come and see the sights!



The tram tracks which run along the Ringstrasse form the backbone of public transport in Vienna. Designed for people's daily commute, the well-developed tram network of Wiener Linien connects Vienna's districts, making it the ideal way to do sightseeing and explore the city.

Your New Driver's Cab

Introducing the new Vienna Flexity:

Low-floor articulated car designated 'Type D' (Flexity Wien)

'Type D' Tram			
Built	from 2018	Multi-purpose areas	4
Seats	62	Boarding height	21,5 cm
Standing room	149	Vehicle width	2,38 m
Total passengers	211	Vehicle height	3,4 m
Stroller spaces	4	Vehicle length	33,8 m
Wheelchair spaces	2	Empty weight	42 t

Shortly before the end of 2017, the prototype of the new Vienna tram was finished, and in 2018 it was delivered to Wiener Linien. The new low-floor trams are gradually replacing the remaining high-floor models. The Flexity is energy-efficient, featuring LED lighting and auto-adjusting air conditioning based on passenger numbers.

Its interior is flexible and roomy. Generous multi-purpose areas, some with folding seats, provide more space for strollers and wheelchair users, and facilitate quicker boarding. This reduces waiting times at stops, ensuring trams can stay on schedule.

Starting the Game

When you start TramSim for the first time, you will be prompted to create a profile. Don't worry, you don't have to enter an email address or password; you simply choose the profile name you want to use in-game and pick which character will be your driver. With your profile, you can achieve different levels, score points, and do tasks. You can access and change your profile easily from the main menu at any time.

Introductory Tutorial

To operate TramSim properly and familiarize yourself with its features, you first need to complete the introductory tutorial. The tutorial won't bore you or swamp you; instead, you learn about the main controls and vehicle features in a practical, hands-on way. Assisted by your virtual driving instructor, you will quickly familiarize yourself with the key functions of the simulation and how to drive the tram.

Controls

Here is an overview of the main key assigned for the controls. You can change the key assignments in the settings under "Controller" in the menu; see the Help menu for the full list. Here are the default control settings for reference:

Camera Views & First-Person Camera

Free cockpit camera	Press once to activate or deactivate the free cockpit camera, so you can look around or operate specific controls without the camera following you.	Right mouse button
Change cameras	Press the buttons "" to cycle between different cameras. Camera 1: Cockpit Camera 2: Interior Camera 3: Outside, attached to the tram Camera 4: Free camera, not attached to the tram	1,2,3,4
Camera follow	If you are using the free exterior Camera 4, you can press "" to activate 'follow' for the vehicle and the camera will turn toward the vehicle and follow it as it passes by.	R
Camera views: Move forwards	Move camera forwards	Up arrow key
Camera views: Move left	Move camera left	Left arrow key
Camera views: Move right	Move camera right	Right arrow key
Camera views: Move backwards	Move camera backwards	Down arrow key
Activate/Deactivate first person	Leave the cab to move around freely, or enter the cockpit again. (Required to work switches manually)	E
First person: Move forwards	Move forwards in first person	W
First person: Move left	Move left in first person	A
First person: Move right	Move right in first person	D
First person: Move backwards	Move backwards in first person	S
Angle: Sprint	Press and hold the Sprint key to sprint in the camera and first person views.	Shift
View: Zoom	Rotate the mouse wheel to zoom.	Mouse wheel
HUD on/off	Turns the configured HUD on/off.	H
Center camera	Resets the camera to its starting position.	Spacebar

Vehicle

Traction/brake lever	Press "Q" to accelerate; press "Y" to deaccelerate. (Press "A" for neutral position; the tram will move at even speed.)	Q, A, Y
Horn	Sounds a warning signal at the front of the tram.	Num 7
Illuminated push button Door 1	Opens the first door only	Num 9
Door release	Activates door release	Num 4
End door release	Ends the door release	Num 6
Open All	Opens all doors at the same time	Num 1
Close All	Closes all doors at the same time	Num 3
Indicator lever	Press "Num /" to indicate left, "Num -" to indicate right, and "Num *" to switch off the indicator	Num /, Num *, Num -
Hazard warning lights	Activates the hazard warning lights	B
Sand button	Activates the sanding system. If you hold the button down, sanding continues for ten seconds, and after a pause of ten seconds, the sanding system is activated again. If you press the button for less than ten seconds, you can sand manually multiple times.	C

High beam	Switches on the high beam. The illuminated push button is illuminated when the high beam is on.	F
Speed pre-select knob	You can pre-select the maximum speed for convenience. You cannot accelerate beyond that speed with the traction/brake lever.	, / .
Raise / lower pantograph	Raises / lowers the pantograph.	O
Cab light knob	Switches the light in the driver's cab on and off.	L
Emergency stop	Press the emergency stop button to trigger the spring-loaded brakes	Backspace
Emergency brake button	Activate emergency brake button	X

Gameplay & Game Modes

Whenever you do something in TramSim, you gain experience in your profile. The experience is accumulated in the form of TramSim points (TSP). Depending on how skilled you are with the tram, how you conduct yourself in traffic, and how well you abide by the regulations, you can acquire TSP quickly. You earn TSP by playing on a regular basis, and you accumulated TSP help you level-up. You can get TSP by completing routes and a range of actions, such as halting with precision at stops, complying with signals and speed limits, comfortable driving, and so forth.

Don't worry, you won't be punished or lose points for making mistakes.

However, consistent, proper conduct is rewarded by activating a multiplier (the karma level), enabling you to earn a lot more points and level-up faster. Safety pays off!

A high-level rank comes with its own advantages, letting you unlock new rewards and features to explore.

Sandbox Mode

Drive without a timetable. In the Sandbox mode, you can switch between different trams and change settings while driving. Perfect for a relaxing break.

Timetable Mode

Drive on a timetable. There's no time to waste when you're working shifts! Get your passengers to their destinations punctually and stick to the timetable. The ideal mode for experiencing what it's like to be a real tram driver.

Tutorials

Learn your tram basics and take a step toward becoming a virtual tram driver. The tutorials explain everything you need to know to drive the tram: From operating the tram to what the various signals mean to what you need to watch out for while driving.

Tram Challenges

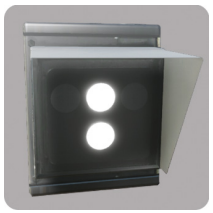
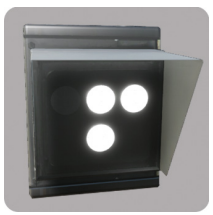
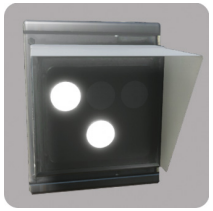
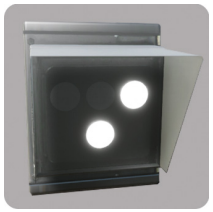
Tram Challenges are like little minigames in TramSim. They are a chance to prove your skill and solve a range of tasks which depend on your control of the vehicle and your ability to determine when to stop and to estimate distances. You can complete a variety of individual challenges or take part in a tournament. Compare your scores and earn trophies.

The Signals Explained

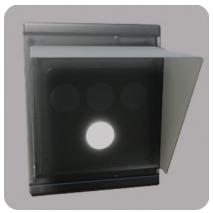
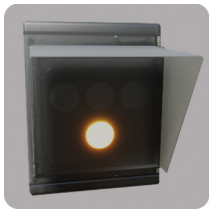
Switch Signals

Signal aspect	Signal indication	Description
	Do not follow	When this signal lights up, a tram which is heading in a different direction may not follow after.
	Proceed left	Switch position for turning left.
	Proceed right	Switch position for turning right.
	Proceed ahead	Switch position for driving straight ahead.
	Switch locked	The switch cannot be changed via electric signal. (If required, use the switch rod to change the switch.)
	Flank Protection	Flank protection is active and prevents collision when passing an oncoming tram.

Signaling

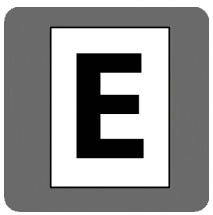
Signal aspect	Signal indication	Description
	Stop for all directions	Stop for all vehicles. (Bring the vehicle to a halt before the signal.)
	Proceed straight	Proceed straight ahead.
	Proceed straight and lef	Proceed straight ahead and left.
	Proceed straight and right	Proceed straight ahead and right.
	Proceed left	Proceed left.
	Proceed right	Proceed right.
	Proceed left and right	Proceed left and right.

English

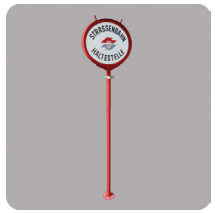
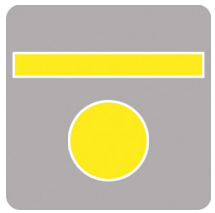
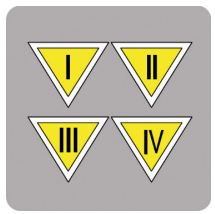
 	Caution	A flashing white or yellow dot. The signal indicates that you can proceed with caution.
	Approach Signal	Indicates that a tram signal is an approach signal. Used to show which signal to expect at the main signal. Required when higher speeds are permitted and in busy traffic areas. (Suspended next to, or beneath, signals.)
	USTRAB: Clear	The next two track sections are clear of vehicles. You may proceed at the maximum speed permitted.

	USTRAB: Caution	The next track section is clear but the one following is not. Proceed at no more than 30 km/h. Line-of-sight driving in roads.
	USTRAB: Caution and speed limit	The next track section may not be clear. Proceed at no more than 15 km/h. Line-of-sight driving. Take the clear line at terminal loop.
	USTRAB: Stop	One or two vertical or horizontal red dots or a round red sign. Stop at this signal.

Speed Signaling

Signal aspect	Signal indication	Description
	Speed signal	Speed restriction. Upon reaching this signal, you may not exceed the speed limit it indicates.
	Distant signal	Announces the start of a speed restriction section.
	Commencement signal	Indicates the start of a speed restriction section. Upon reaching the speed restriction section, you may not exceed the speed limit indicated on the distant signal.
	End signal	Indicates the end of a speed restriction section. Upon reaching this signal, you may drive at the speed limit.

Other Signals

Signalbild	Signalname	Beschreibung
	Stop	Stop as required. If required, stop the tram to allow passengers to board or alight. The speed limit when passing through stops is 25 km/h.
	Stop point	A yellow bar or dot in the middle of the track. Indicates a planned stop. You may need to stop prior to the stop point.
	Right-of-way exceptions	Governs the right-of-way for trams. If several trams arrive at the same time, the tram at the signal with the lower number has right of way.

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