

Zurich Tram Line 11

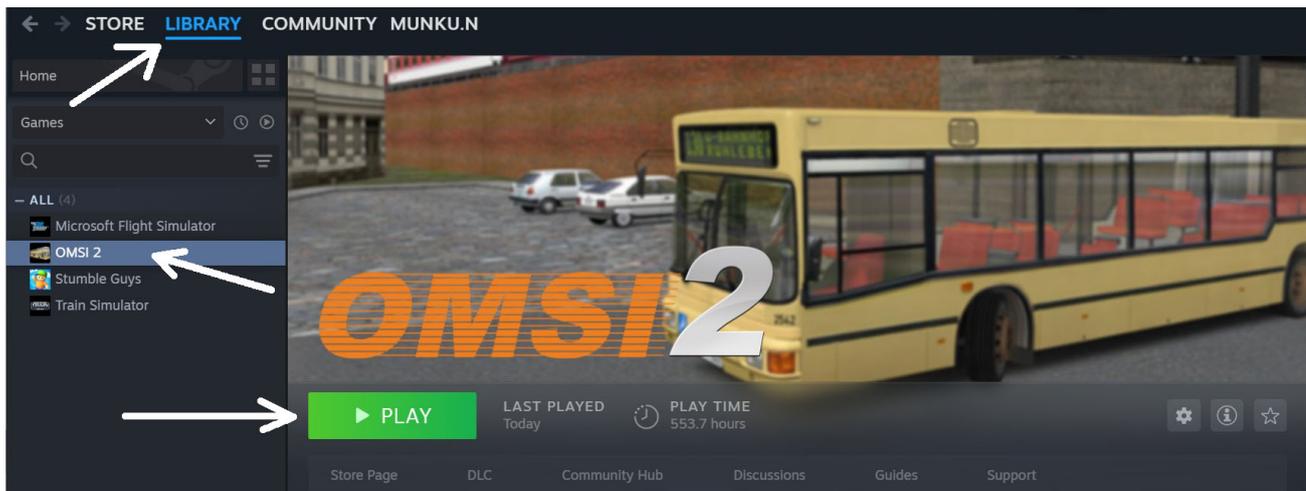
Fast Drive Manual

1. To start OMSI2 tram version to drive Zurich11 tram line, please strictly adhere to following procedure:

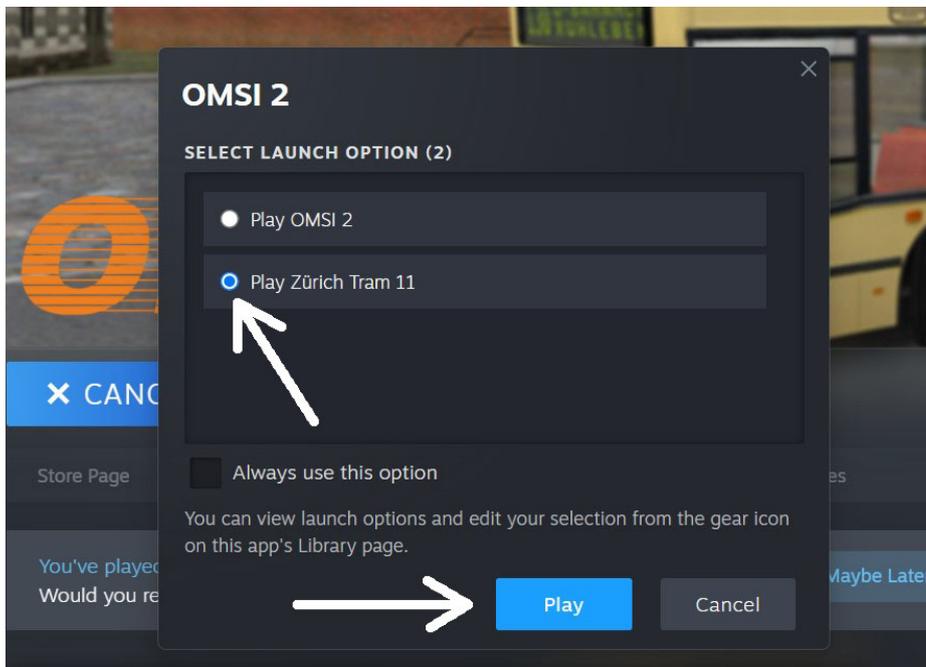


1a) Left Double click on STEAM desktop Icon.

1b) Click on tab LIBRARY, Click on OMSI2 and then click on big green button PLAY



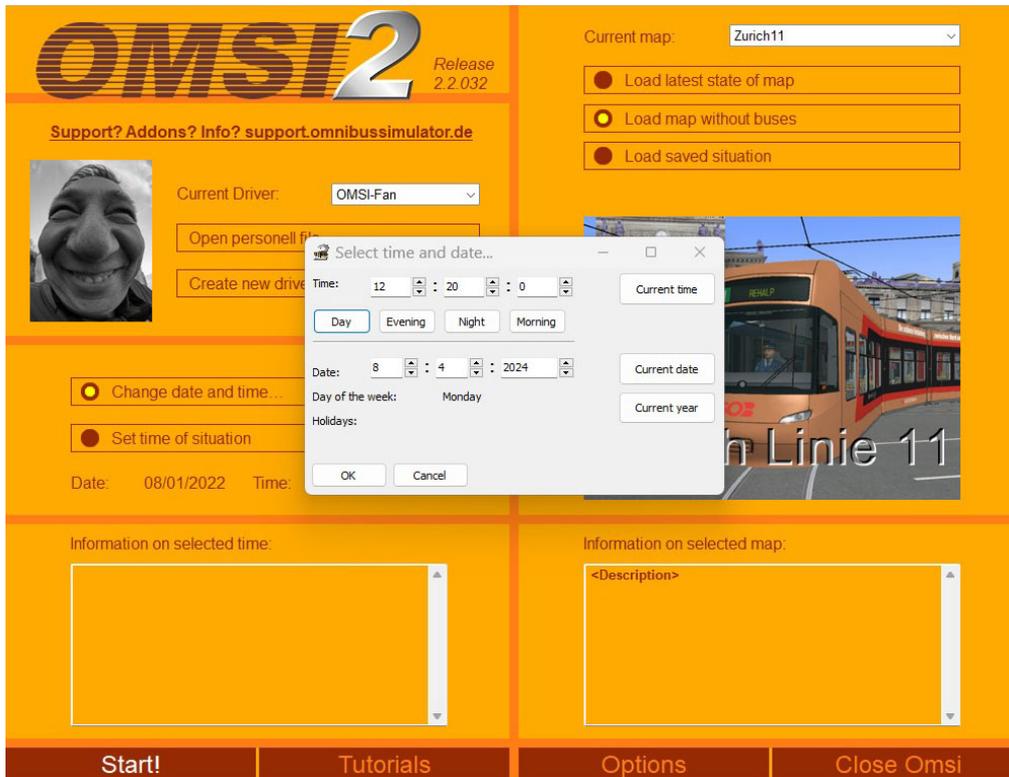
1c) Launch Option window will pop-up. Please select Play Zurich Tram 11 and click on PLAY button.



OMSI2 version 2.2032 (Tram Version) will start.

2. Select:

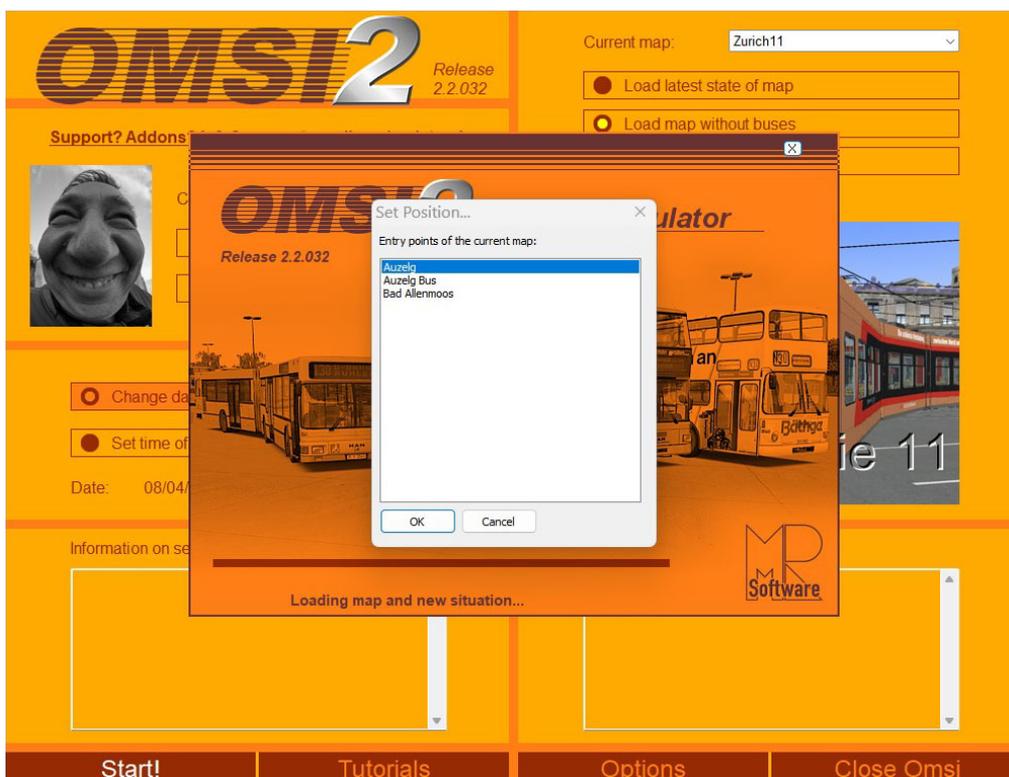
- Current Map: Zurich11
- Load map without buses
- Change date and time: Select time 5-10 min before scheduled timetable departure. Let's set 12:20. Click OK.



Click: **Start!**

3. Select Starting Position Auzelg

Click OK



4. Select Vehicle:

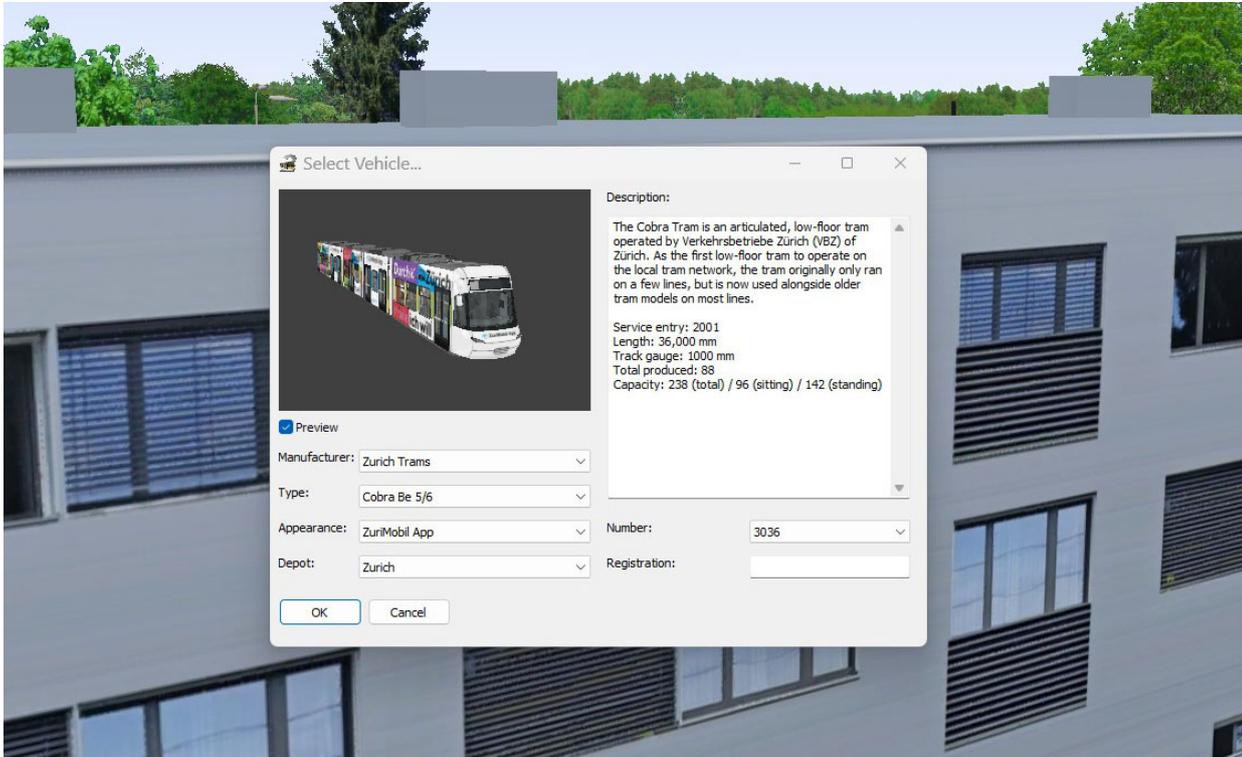
Manufacturer: Zurich Tram

Type: Cobra Be 5/6

Appearance: (choose any paint scheme you like...)

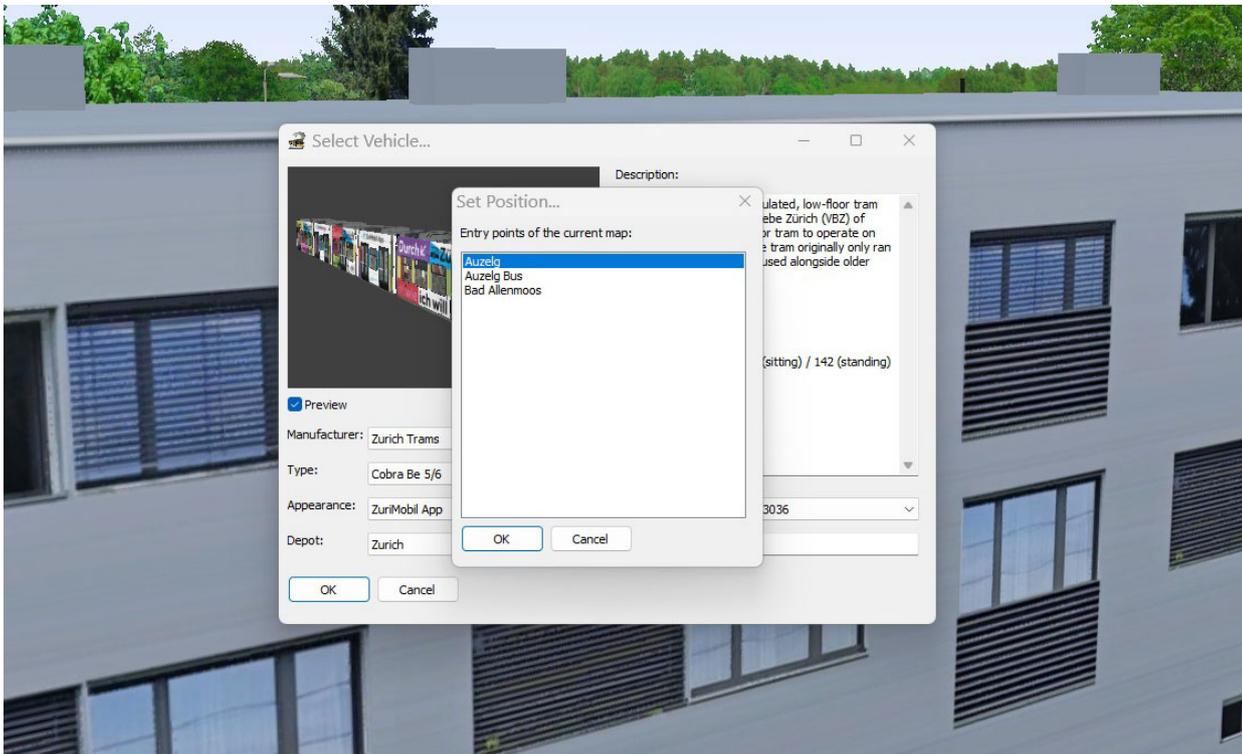
Depot: Zurich

Click OK



5. Confirm Set Position:

Select: Auzelg



Click OK

6. Your TRAM will be parked just before (starting) Auzelg Tram Stop.



Press F1 to go into cockpit / driver seat.

7. To start the engine, do the following:

- Press (short) key [E] to turn on standby (battery power), IMPORTANT! Wait minimum 10 sec, left display screen must show engine instruments.
- Press (short) key [M] to raise pantograph, and switch to high voltage, wait 5 sec (you will clearly hear high voltage sound, left display will show 650 V !)
- Press key [D] to engage DRIVE mode. Parking brake will be set to off immediately.



8. To drive the tram: [PageUp]-accelerate, [PageDown]-decelerate (if you move control wheel into red-arc zone, tram will stop). You can move steering wheel with mouse also.



9. Drive the TRAM to the Auzelg Tram stop. Passengers are waiting for you!

Stop the TRAM just next to the Tram Stop small plate (Line 11 and 12). Keep the steering wheel in red arc.



10. Now, before open the doors and let passengers in, you have to set up the display and route computer:

- Press key [ALT] to bring Icon Menu on down right corner, and activate (left click) Route menu 

- Click on Set Time Table to bring time table menu

- Select Line: 11

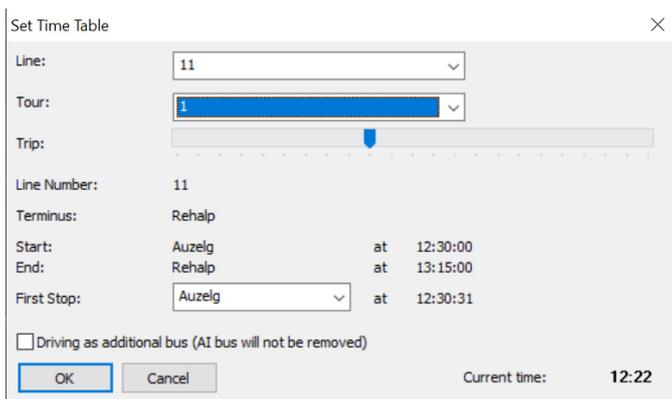
- Select Tour 1,2 or 3 depends on time. Choose Tour closest to your time departure in our case 1

Check that Terminus (Heading To) must be Rehalp, Start: Auzelg, First Stop: Auzelg at 12:30:31

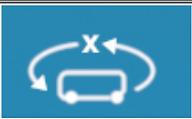
(Current time is 12:22)

-Click OK, OMSI will inform you that displace (AI) "bus" (Vehicle) will be withdrawn. Confirm, click OK.

11. To set display, zoom to screen panel on right side (press and hold mouse wheel to pan view, and press and hold right mouse button and move mouse to zoom in/out).



12. To setup display for route to Rehalp, enter (left click) in following order from left to right on IBIS keyboard (click one-by-one):

First this:						
Then this:		(11 is already on the screen)				
And this:		(11 is already on the screen)				

Click on TIME icon. Time menu will open.
Set the time 12:29:46. Just before 12:30:00,
click OK



You are set to go, just to board passengers.

13. First click on **Türfreigabe** switch (- on numeric keyboard) (security parking brake will engage, and green door lock light will illuminate, front door will engage/open). Then, click on **Alle Türen** (/ on numeric keyboard) to engage/open all doors. Passangers will go in (and/or out).



After last passenger enter the tram, doors will close automatically and red indication (door open) light will go out. Now, to start move, first you will click on **Türfreigabe** switch. Green door lock light will go OFF, yellow parking brake lights will show parking brake is off and you can go. Press **PageUP** to start moving. Repeat same each tram stop. First de-acclerate tram moving control steering wheel to red arc (**PageDown**), then click on both **Türfreigabe** (-) and

Alle Türen (/) switches, green and red doors lights will go on. Wait for the passangers, red door light will go off. Then click on **Türfreigabe (-)** (green door light off), and move control wheel (PageUP) to green arc and tram will go.

14. After you reach final stop Rehalp, stop in front of first Rehalp tram stop terminus table (before left turn). Click on **Türfreigabe** and **Alle Türen** switch, doors will open, passangers will go out and after that doors will close.



Then, move the tram to Rehalp tram stop (right picture).

To set tram for return trip to Auzelg, do the following:

Click on TIME icon. Time menu will open.
Set the time 13:15:00. Just before 13:20:00,click OK



- Press key [ALT] to bring Icon Menu on down right corner, and activate (left click) Route menu
OMSI2 will pop-up with message: **Caution! Really cancel current timetable?** Click **YES**.



- Click on Route Menu again:



- Select Line: 11

- Select Tour 1,2 or 3 depends on time. Choose Tour closest to your time departure in our case 1

Check that Terminus (Heading To) must be Auzelg, Start: Rehalp, First Stop: Rehalp at 13:20:05

-Click OK. If OMSI inform you that displace (AI) "bus" (Vehicle) will be withdrawn, confirm, click OK.

15. Go on IBIS display, do this in sequence:

Click on:		(11 is already on the screen)			
-----------	-------------------------------------------------------------------------------------	-------------------------------	--------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------

- Click on **Türfreigabe** and **Alle Türen** switches, passangeres will go in. Press again **Türfreigabe**. Then, on IBIS screen:

Then this:		(11 is already on the screen)			
------------	-------------------------------------------------------------------------------------	-------------------------------	--------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------

And this:		(11 is already on the screen)			
-----------	-------------------------------------------------------------------------------------	-------------------------------	--------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------

You are set to go back to Auzelg. You have already clicked on **Türfreigabe** switch, green door lock light are off, and drive the tram same way as you did from Auzelg.

Important: Keyboard shortcuts for **Türfreigabe** switch is **—** (minus) on numeric keyboard, and for **Alle Türen** switch is **/** (slash) on numeric keyboard.

Respect traffic rules, traffic lights and drive with speed no more than 36 km/h, (30 km/h in Zurich Centre), and you will be just on time.

Simgames wishes you a good journey through Zurich!

mailsoft GmbH simgames.ch

Witzbergstr.5 g

8330 Pfaeffikon ZH Switzerland

info@mailsoft.com

www.simgames.ch

www.mailsoft.com

APPENDIX A

Welcome to Oerlikon Zurich Tram Depo !

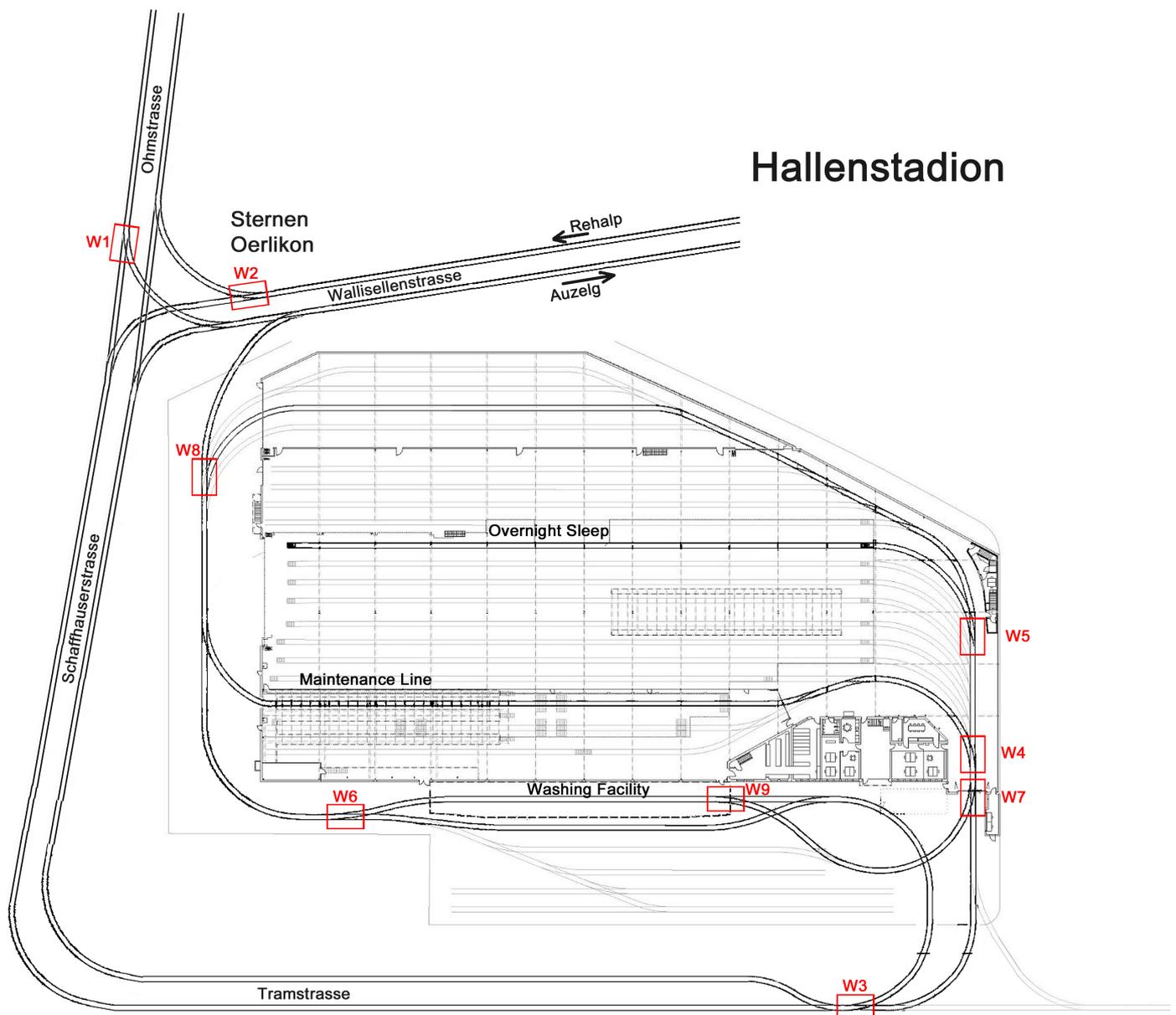
What you can do here...?

- Do some repair / technical maintenance.
- Park Tram for overnight sleep (on dead-end parking track)
- Wash tram in special facility
- Be teleported directly to Auzelg if you step on special Twilight Zone track ... !

You can enter Depo eather from Auzelg (reccomended) or from Rehalp.

Here is Depo Diagram:

Bahnhof Oerlikon



How to de-route from default Auzelg – Rehalp – Auzelg route 11 and enter Depo Zone ?



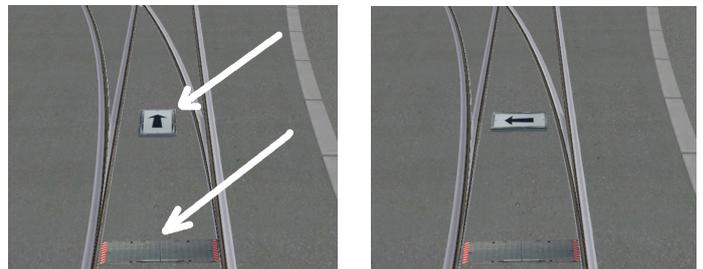
If you coming from Auzelg, first you will stop on Sterner Oerlikon tram stop mark (W)2, and then change direction on TramTrack Switch (Weiche No2 on Depo Diagram) from (default) straight ahead to **LEFT**.

If you coming from Rehalp, after Bahnhof Oerlikon tram stop, you will turn right, and after approx 100 m you will see yellow mark (W) 1. Stop here and change the tram switch to **STRAIGHT** direction.



How to change direction on tram track switch / weiche?

First, you have to go out from the parked tram by pressing F4 on keyboard. Then, when you are outside, move and pan with mouse to be close to weiche, and left-click with mouse on metal plate or on arrow (direction) rotation plate. Arrow indicator will rotate and show new track direction. Press key F1 to go back in cockpit, and continue to drive.



To open the hangar door, main sliding gate or washing facility doors, you can just click on the door/gate. Press F4 to go out of tram, click on door / gate and then press F1 to go back on cockpit.



Here are some scenarios and combination of Tram Switches (see diagram) to drive Depo-route correctly:

Auzelg * – Maintenance – Auzelg	W2 LEFT	W3 straight	W4 LEFT	ML	W8 straight				
Auzelg * – Maintenance – Rehalp	W2 LEFT	W3 straight	W4 LEFT	ML	W8 RIGHT				
Auzelg * – Maintenance – Washing Facility - Auzelg	W2 LEFT	W3 straight	W4 LEFT	ML	W8 RIGHT	W7 RIGHT	WF	W8 straight	
Auzelg * – Maintenance – Washing Facility - Rehalp	W2 LEFT	W3 straight	W4 LEFT	ML	W8 RIGHT	W7 RIGHT	WF	W8 RIGHT	W7 STRAIGHT
Auzelg * - Night Sleep track	W2 LEFT	W3 straight	W5 LEFT	NS					

ML – Maintenance Line Track

WF – Washing Facility

NS – Night Sleep Dead End track

* Rehalp Arrivals – If you coming from Rehalp, you can use the same table, but first Track Switch instead W2 LEFT will be W1 STRAIGHT.

If you enter on Depo dead end track, you can still go back. How to drive Cobra tram in reverse mode, please refer to Appendix 2 (Cobra Tram).

STAR TREK Depo Track !

With one combination of track switches, you will enter on one very special track in Depo, and you will be teleported directly to Auzelg exit Tram Stop. Try to find this Twilight Zone track...! After you finish maintenance work and washing tram, there is no better way to go on Auzelg terminus and save time and electricity power... 😊

APPENDIX 2

COBRA TRAM

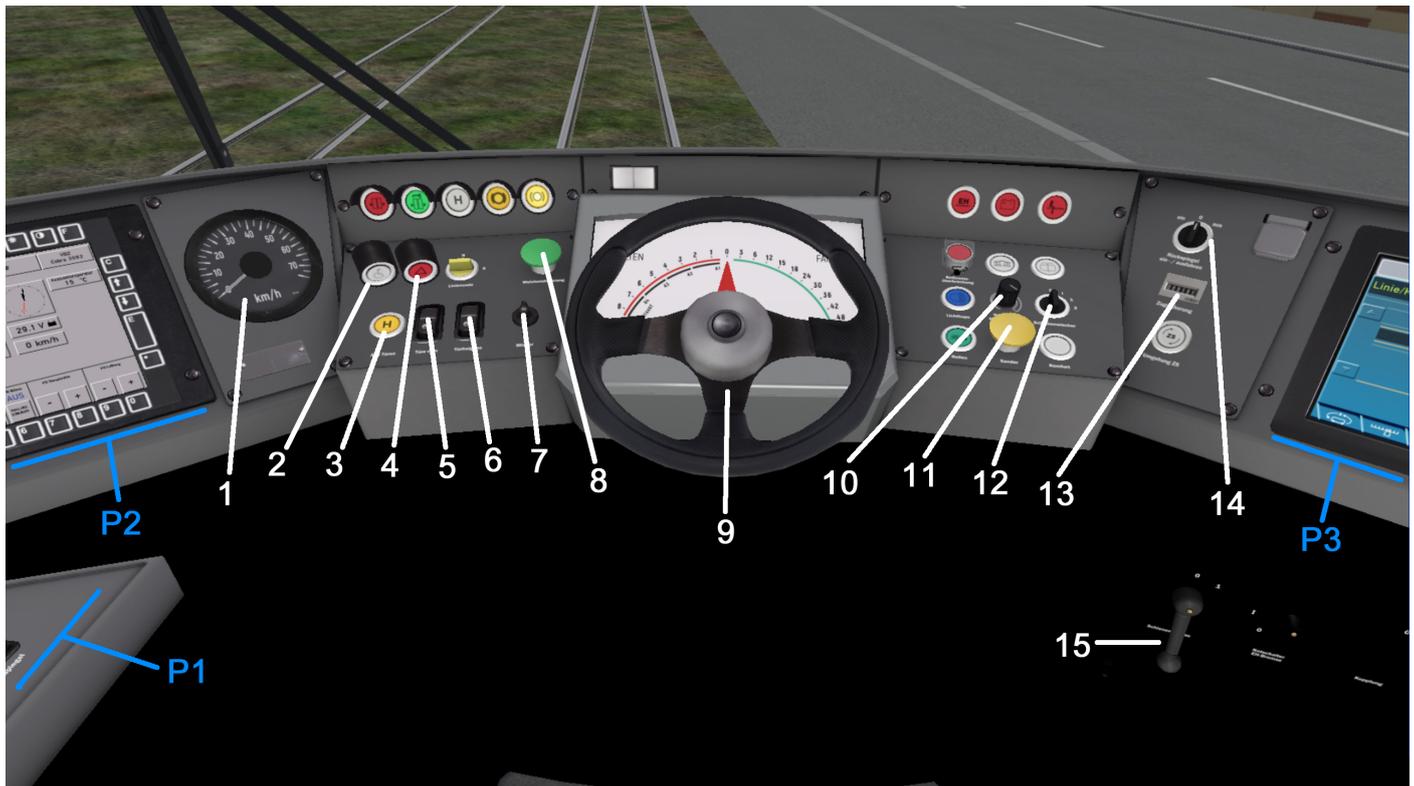
The Cobra Tram is an articulated, low-floor tram operated by Verkehrsbetriebe Zürich (VBZ) of Zürich. As the first low-floor tram to operate on the local tram network, the tram originally only ran on a few lines, but is now used alongside older tram models on most lines. Service entry: 2001, Length: 36,000 mm, Track gauge: 1000 mm, Total produced: 88, Capacity: 238 (total) / 96 (sitting) / 142 (standing)



Full Specifications

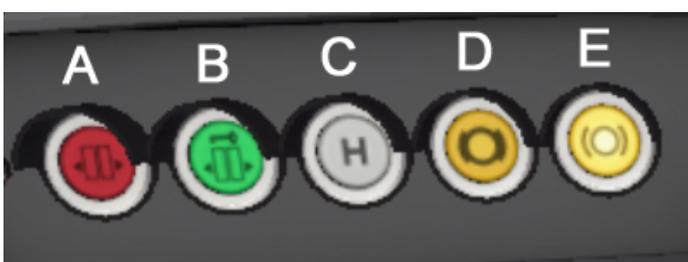
Type	Be 5/6
Overall length	36 m
Width	2.4 m
Height	3.6 m
Weight	39.2 t
Number of seats	90
Number of standing places	148
Speed max.	70 km/h
Number of doors	7
Pairs of wheels	6
Independent wheel drive	10 driven by 12 wheels
Number of chassis	3
Wheel diameter new	560 mm
Wheel diameter worn	500 mm
Number of motors	5
Engine power max.	125 kW
Number of pantographs	1
Entry height when the vehicle is empty	350 mm
IGBT inverter with recuperation option	Enables energy recovery during braking and thus higher efficiency
Integrated crash concept	Increases safety
Wagon number	3001 to 3074 in 2010

Panel Description



No	Description
1	Speedmetar
2	Button – reset “disabled need assistance” function (can be activated via an external button)
3	Button – open all doors (Keyboard shortcut is: / on numeric keyboard)
4	Button – hazard lights
5	Button – open front doors only (Keyboard shortcut is: * on numeric keyboard)
6	Button – bus stop brake, allow door to be opened (Keyboard shortcut is: - on numeric keyboard)
7	Rotary switch - turn signal switch
8	Tram Track Switch (not operational at the moment)
9	Steering wheel
10	Dial – dashboard lights dimming
11	Sand button (increase traction in emergency)
12	Rotary switch - wipers
13	Total working hours counter
14	Rotary switch – mirror position regulation (right – left)
15	Switch – track brake

Indicator Lights



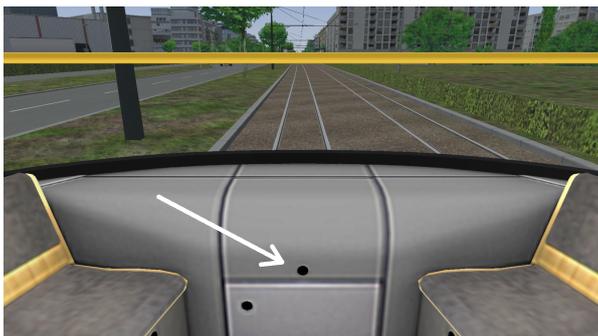
Lt	Description
A	Doors are open
B	Doors Engaged (can be opened)
C	Stop request
D	Parking Brake ON
E	Parking Brake OFF

Panel P1 , P2 and P3



No	Description
21	Switch – driver’s cabin illumination
22	Switch – night/tunnel light
23	Switch – dashboard illumination
24	Key – direction switch
25	Rotary switch - Main switch
31	Date / Time
32	Connected Voltage
33	Engaged Electricity Power
34	Button – tram overview
35	Button – AC on/of
36	Buttons – AC temp increase
37	Buttons – AC temp decrease
38	Buttons – AC fan rpm increase
39	Buttons – AC fan rpm decrease
40	Speed
41	Battery Voltage
42	Clock
43	Outside Temperature
44	Vehicle Number
45	Button – display buttons’ illumination
51	Line and trip input
52	Mute announcements

How to drive Cobra Tram in reverse (backward) mode?



First, you have to stop the tram. Then, press key **R**. Next, press **F2**, and then hit right arrow key about 10 times to reach View Point next to the far end of Cobra Tram. There you will find box with some controls. Click on it to open. Then, click on the key, and with mouse (click and hold) move handle up to drive or down to slow and stop.



Then, stop the tram, move the handle in neutral position (see picture), click on key again to switch off back control system, click on cover to close it,

Press **F1** to go back into cockpit, then press key **D** and **PageUP** to drive tram forward.

APPENDIX 3

Basic settings

For improved driving characteristics, we recommend making adjustments in the basic program change the following settings:

- a) Sun is too dazzling: Deactivate "Sun effect" under "Graphics".
- b) Driver's cab jumps around: Deactivate "Driver's head movement" under "General".
- c) Tram blocks while driving: Deactivate "Reduced Multithreading" under "Advanced - Performance" and activate "Load entire maps at start".
- d) Better performance when driving: Under "Graphics (advanced)" "Use material channels" deactivate "Reflection Map and BumpMap".

Important: Always restart OMSI2 after every change!