RSSLO

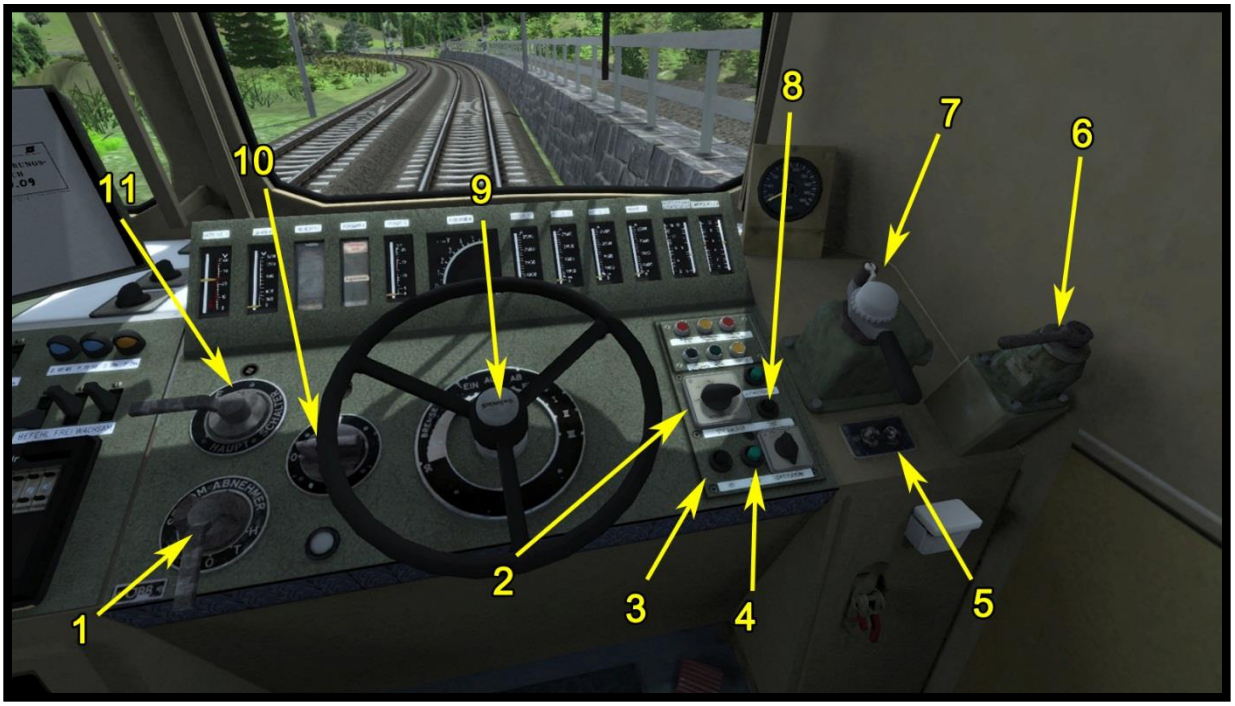
ÖBB 4010
Electric multiple unit

1. Rolling Stock

1.1. ÖBB 4010

Model name in Train simulator is: **OBB 4010 A, OBB 4010 B, OBB 4010 C, OBB 4010 D, OBB 4010 E, OBB 4010 F**

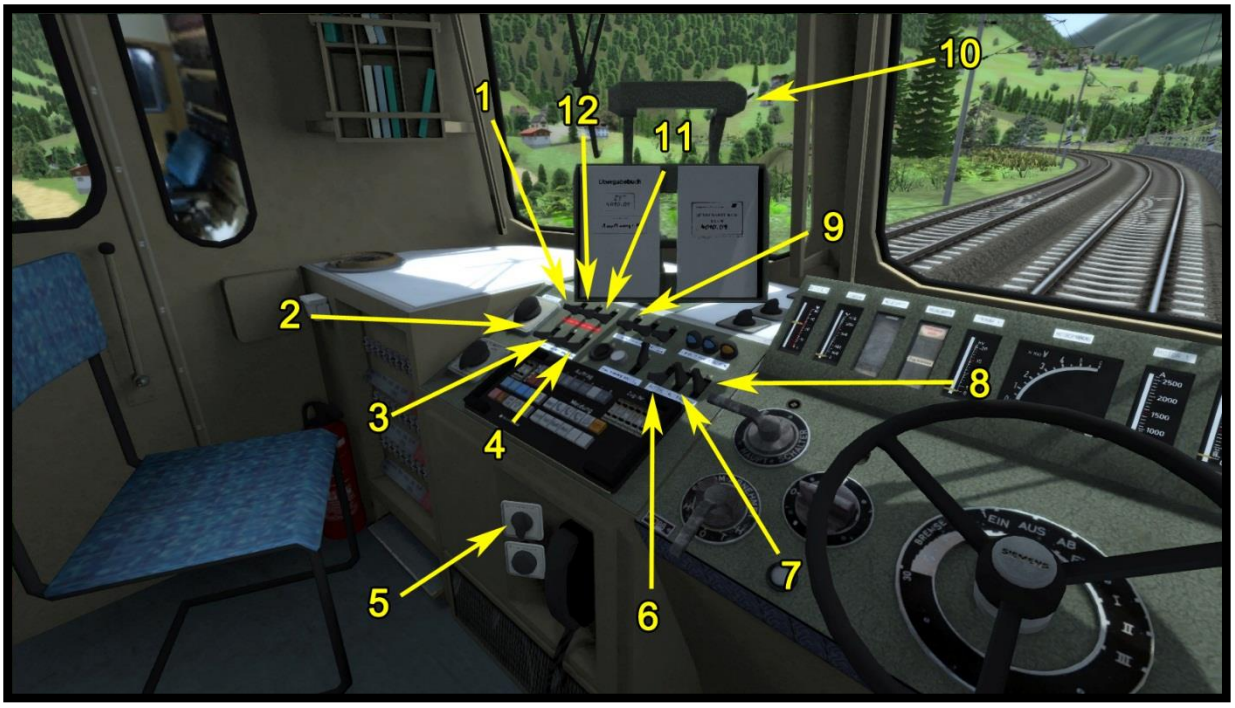
2. Cab Controls



Picture 1: Right Side

2.1. Picture 1: Right Side

Pantograph Control (1)
High Beam Light (2)
Horn 1 (3)
Horn 2 (4)
Wiper Control (5)
Loco Brake (6)
Train Brake Control (7)
Sander (8)
Throttle / Dynamical Brake (9)
Reverser (10)
Main Switch (11)



Picture 2: Left Side

2.2. Picture 2: Left Side

Left Front Red Light (1)
Left Front Light (2)
Front Top Light (3)
Right Front Light (4)
Instrument Light (5)
PZB Override (6)
PZB Release (7)
PZB Acknowledge (8)
Cab Light (9)
Timetable Light (10)
Top Front Red Light (11)
Right Front Red Light (12)

2.3. Start-Up Procedure

1. Raise the pantograph (Picture 1 - number 1)
2. Turn on the main switch with “Main switch on” (Picture 1 - number 11)

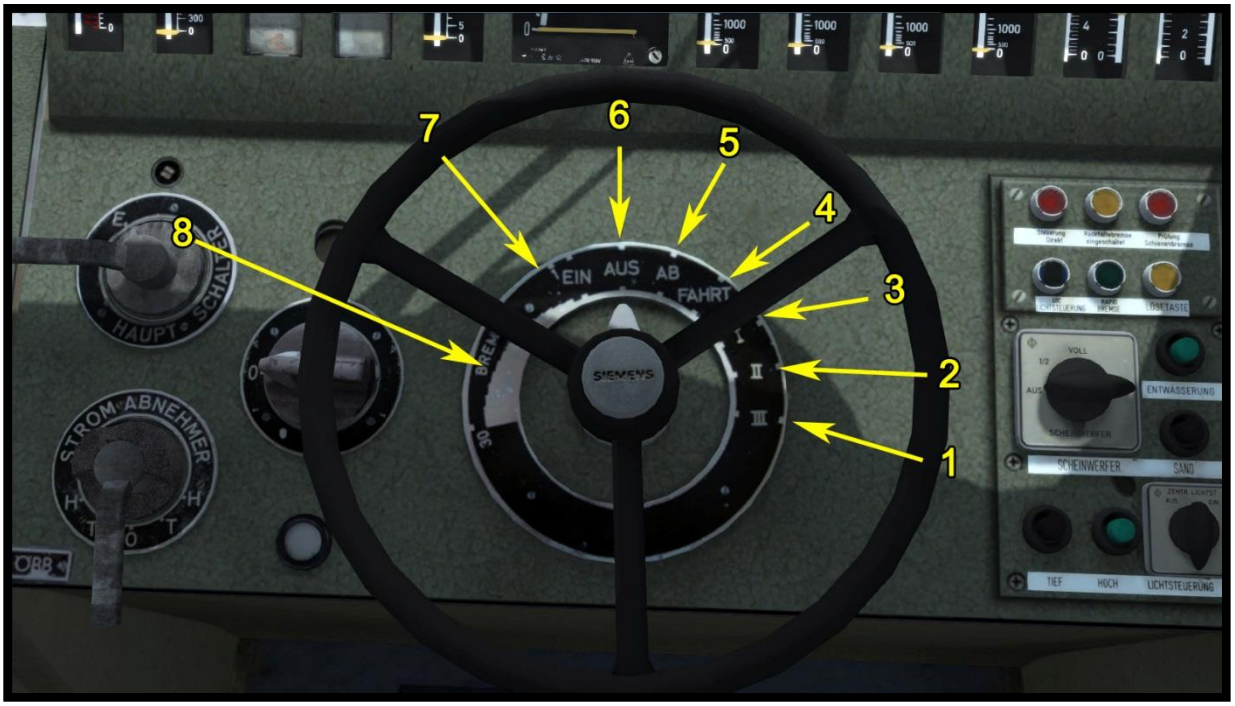
   Important: The main switch can be on, only when the pantograph is fully raised.
3. Select the direction of driving.
4. Turn on the lights
5. The ÖBB 4010 is now ready.

2.4. SIFA

The SIFA is disabled on start up, but can be activated with »SHIFT + NUM ENTER«.

You must confirm SIFA within 1050m from your last confirm. If it was not confirmed in 1050m, then the emergency brake will be applied. Before the emergency brake will be applied the warning voice will sound.

2.5. Drive Wheel



Picture 3: Driving Wheel

2.6. Picture 3: Driving wheel

Add traction (Current max 1900A) (1)
Add traction (Current max 1600A) (2)
Add traction (Current max 1300A) (3)
Neutral traction position (4)
Take down traction (5)
Neutral position of wheel (6)
Take down dynamic brake (7)
Dynamic brake (8)

Neutral position of wheel (6)
If you have the driving wheel in the “Neutral position of wheel” and you have traction or the dynamic brake on, then the stages will be automatically taken down to zero.

Take down traction (5)
If you have the driving wheel in the “Take down traction” and you have traction, then the stages will be automatically taken down to zero.

Neutral traction position (4)
If you have the driving wheel in the “Neutral traction position” and you have traction, then the stages will not be taken down to zero and will be stay as is.

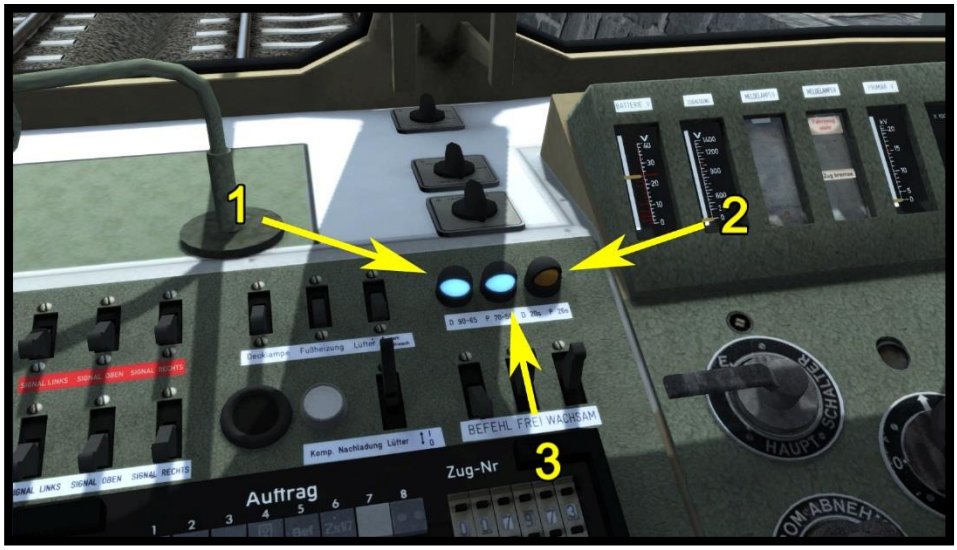
Add traction (Current max 1300A) (3)
If you have the driving wheel in the “Add traction (Current max 1300A)” the locomotive will automatically add the traction stages if the amperes will be lower than 1300A.

Add traction (Current max 1600A) (2)
If you have the driving wheel in the “Add traction (Current max 1600A)” the locomotive will automatically add the traction stages if the amperes will be lower than 1600A.

Add traction (Current max 1900A) (1)
If you have the driving wheel in the “Add traction (Current max 1900A)” the locomotive will automatically add the traction stages if the amperes will be lower than 1900A.

Take down dynamic brake (7)
If you have the wheel in “Take down dynamic brake” position and you have dynamic brake on, then the locomotive will automatically take the stages down to zero.

Dynamic brake (8)
In the dynamic brake position, locomotive brake with dynamic brake.



Picture 4: PZB system

2.7. PZB System (I 60)

This is the old PZB system, that only works on a timer. These buttons are similar to those on the PZB 90 system and they are used in the same way as them. The only thing that is different is, that when you confirm the 1000Hz balise (PZB magnet) the yellow light will be turned on. When the yellow light turns on, you need to slow down the train to the specified (Table 1) speed before the yellow light turns off. How long the yellow light is turned on for depends on the regime in which you drive. If the 500Hz balise (PZB Magnet) is active, you need to drive under the speed limit written in Table 1.

Table 1

Regime	Max train speed	Yellow light on	Speed you need to reach	500Hz
1	101> km/h	20 seconds	90< km/h	65< km/h
2	100- 81 km/h	26 seconds	70< km/h	50< km/h

Regime 1 - Left blue lights are on (Number 1 on picture 4)
Regime 2 - Right blue light is on (Number 3 on picture 4)

To change the regime, you need to use SHIFT + 7 keys on the keyboard.

3. Keyboard

Function	Keyboard
Increase / Decrease - Throttle / Dynamical Brake	A / D
Increase / Decrease Reverser	W / S
Increase / Decrease Train Brake	‘’ / ;
Horn	Space
Horn 2	B
PZB On/Off	Ctrl + Num Enter
PZB Mode	Shift + 7
PZB Override	Delete
PZB Release	End
PZB Acknowledge	Page Down
SIFA On /Off	Shift + Num Enter
Confirm SIFA	Q
Headlights	H (SHIFT + H)
Wipers	V
Sander	X
Pantograph	P
Instrument Lights	I
Cab Light	L
Mirror	M
Main Switch	Z

4. Scenarios

4.1. Nostalgic Train

1. Rating: **
2. Duration: 15 min.
3. Scenario type: Career Scenario
4. Route: Semmeringbahn

4.2. Too Long Train

1. Rating: ****
2. Duration: 40 min.
3. Scenario type: Career Scenario
4. Route: Semmeringbahn

4.3. Intercity over Semmering

1. Rating: ***
2. Duration: 45min
3. Scenario type: Career Scenario
4. Route: Semmeringbahn