

# RhB Enhancement Pack 4



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# 1 The Ge 6/6 II Locomotive

## 1.1 Locomotive History

The Ge 6/6 II is a class of metre gauge electric locomotive operated by the Rhaetian Railway (RhB) on the main railway network in the Canton of Graubünden, Switzerland. The locomotive type indicates that it was the second class of locomotives of the Swiss locomotive and railcar classification type Ge 6/6 to be acquired by the Rhaetian Railway. “Ge 6/6” denotes a narrow-gauge electric adhesion locomotive with a total of six axles, all of which are drive axles. These twelve-wheel locomotives (UIC classification Bo’Bo’Bo’) are currently used to mainly haul goods trains.

## 1.2 Design & Specification

Number Range	701 - 707
Wheel Arrangement	Bo-Bo-Bo
Weight	65 tonnes
Length	14.5 m
Width	2.65 m
Power at Rail	2,380 hp (1,776 kW)
Max Speed	80 km/h

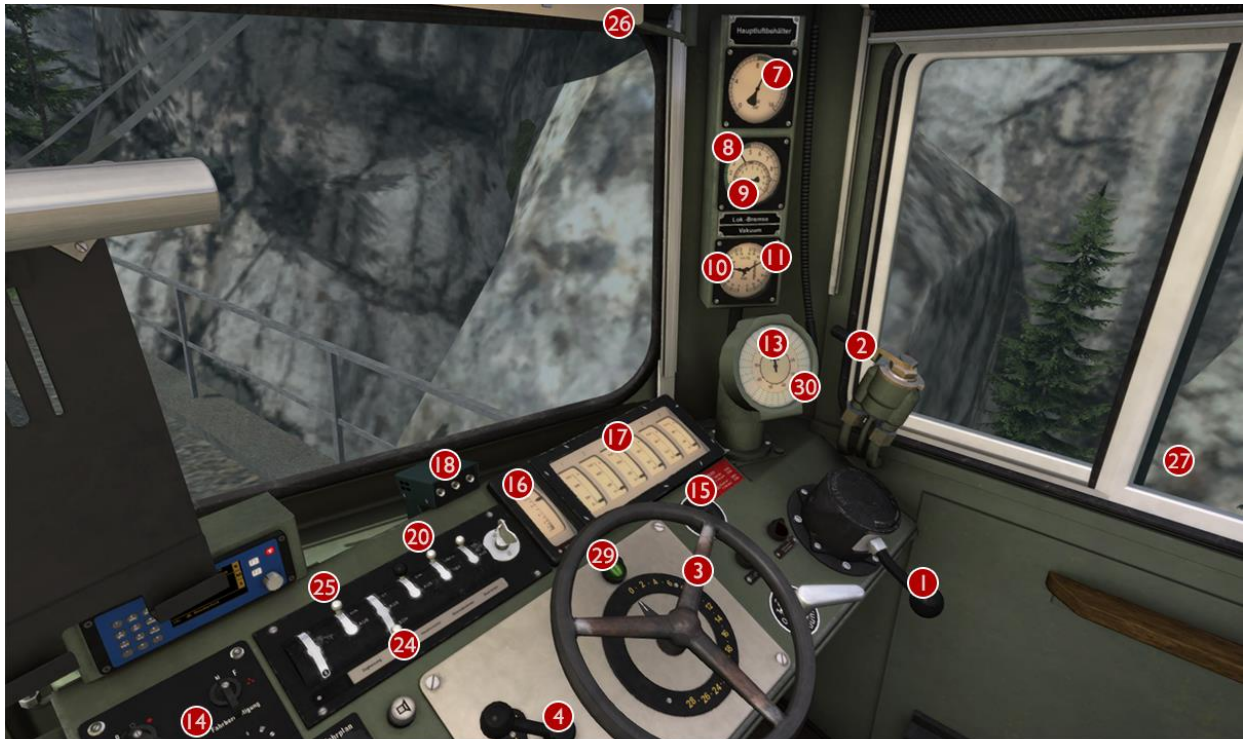
## 1.3 Cabin Controls

*Refer to the illustrations on page 4*

1	Train Vacuum Brake	16	Catenary Voltage Indicator
2	Locomotive Brake	17	Traction Motor Amps Indicators
3	Driving Control Wheel	18	ZSI Safety System Lamps
4	Reverser	19	ZSI Acknowledge Button
5	Warning Horn Lever	20	Pantograph Raise / Lower Switch
6	Sander Button	21	Cabin Lights Switch
7	Main Reservoir Pressure Needle	22	Handbrake
8	Brake Cylinder Pressure Needle	23	Passenger Request Stop Lamp
9	Brake Pipe Pressure Needle	24	Traction Fans Switch
10	Vacuum Brake Pressure Needle	25	Train Heating Switch
11	Vacuum Control Pressure Needle	26	Visor
12	Train Heating Load Indicator	27	Opening Windows
13	Speedometer KPH	28	Opening Door
14	Headlight Mode Selector Switches	29	Control Wheel Off Indicator
15	Wiper Switch	30	Tachograph

## 1.4 Additional Keyboard Controls

<b>L</b> – Toggle Cab Light On / Off	<b>V</b> – Toggle Right Wiper On/Off
<b>Q</b> – ZSI Acknowledge	<b>SHIFT+V</b> – Toggle Left Wiper On/Off
<b>I</b> – Increase Instrument Lights	<b>F</b> – Increase Fans Switch
<b>SHIFT+I</b> – Decrease Instrument Lights	<b>SHIFT+F</b> – Decrease Fans Switch



**Note: Controls that are not identified above have no function even if they are animated.**



## 1.5 Five Position Reverser and Driving Control Wheel

One of the most unique features of the Ge 6/6 II is the method of selecting either the regulator power or dynamic brake level. The reverser lever has five positions and it is used to select the desired function of the driving control wheel. The five settings are as follows:

- 0 - Off
- V - Forward Regulator
- BV - Forward Dynamic Brake Level
- R - Reverse Regulator
- BR - Reverse Dynamic Brake Level

The driving control wheel must be returned to the zero position (indicated by the green illumination of the control wheel off indicator) before changing the reverser lever position.

The control wheel selects the regulator power level when either V or R is selected on the reverser. When BV or BR is selected the driving control wheel sets the dynamic (electric) brake level.

## 1.6 ZSI-90 Safety System

You are alerted by the ZSI safety system when you pass a distant signal (Vorsignal) that is displaying a warning. The ZSI Acknowledge Button and ZSI Warning Lamp will start to flash accompanied by an audio beep. You must press the ZSI Acknowledge Button immediately otherwise the emergency brakes will be applied automatically. Once pressed there will be five further lamp and audio alerts to remind you that you are driving under a distant signal caution. ***A ZSI alert will also be activated when you pass a main signal displaying Aspect 6 (Short Journey – Expect Obstruction).***

## 1.7 Running Numbers

When creating scenarios running numbers for the locomotives between 701 and 707 are generated randomly. Correct crests on the side of the loco corresponding to the generated number are then displayed during game play.



## Locomotives in Multiple



When operating Ge 6/6 II locomotives in pairs the automatic multiple working mode will be activated. This mode enables the front pantograph on the leading locomotive for use instead of the rear pantograph. Once uncoupled the locomotives will return to standard operation.

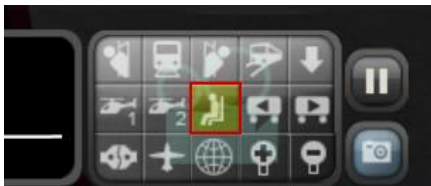
This system has been developed to operate for both player and AI trains in Train Simulator.

## 2 EWIV Type Passenger Coaches

### 2.1 First Class EWIV (A) Coach with Passenger View



This coach includes a passenger view. This view is accessible during a scenario by pressing “5” on the keyboard or by selecting the Passenger View button on the F4 HUD as shown below:



If there are multiple vehicles with passenger views in the train then you can move between passenger views using the Next Vehicle and Previous Vehicle buttons as shown below:





## 2.2 Second Class EWIV (B) Coach



## 2.3 Interior Coach Lighting and Opening Windows

Interior lighting is activated by illuminating the locomotive headlights. If the locomotive headlights are turned off then the coach lighting is deactivated and any open windows are closed.

When interior lighting is active, windows are also randomly opened based on an intelligent system that takes season, time of day and weather conditions into account. If it is cold, wet or late at night then windows will be closed. However, if it is a pleasant day then each coach in the train will have different windows opened by varying amounts at random.

## 2.4 Coach Numbering and Removing Passengers from Static Consists

EWIV A and B coaches have running numbers suffixed by a letter “W” by default. During scenario creation change the letter “W” to a “U” to remove passengers from static coaches in sidings.

Other letters can be used to display destinations during scenario creation as follows:

A	Regio Express	H	Chur to Samedan	O	Chur to Disentis/Mustér
B	Chur to St.Moritz	I	Chur to Bergün/Bravuogn	P	Disentis/Mustér to Chur
C	St.Moritz to Zermatt	J	St.Moritz to Bergün/Bravuogn	Q	Reserved
D	St.Moritz to Chur	K	Chur to Filisur	S	Tirano to St.Moritz
E	Chur to Brig	L	St.Moritz to Filisur	T	St.Moritz to Tirano
F	St.Moritz to Davos	M	Chur to Ilanz	X	Bernina Express
G	St.Moritz to Thusis	N	Disentis/Mustér to Ilanz	U	UNLOADED

## 2.5 Baggage Coach





### 3 Other Information

This document is provided as a guide to Rivet Games' RhB Enhancement Pack 04 add-on for Train Simulator, a product provided for entertainment purposes.

There is more information on this route at <http://www.rivet-games.com/rhbpack04> along with links to detailed reference material.

If you do notice errors in this document, please let us know at [support@rivet-games.com](mailto:support@rivet-games.com).

Please give feedback on the Rivet Games forums: [forums.rivet-games.com](http://forums.rivet-games.com), as well as leave a review on the Steam store to help others decide whether they would enjoy this product.

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## **4 Acknowledgements**

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