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## About This Content

The DB BR 101 is a classic among the modern electric locomotives of Germany, with heritage spanning some of the nation's most revolutionary designs and continuing the honour by working throughout the Deutsche Bahn network every day. Partner Programme Developer Virtual Railroads brings this classic locomotive to life in a true expert simulation of the class as it joins the Pro Range line-up for Train Simulator.

In the early 1990s, a majority of Germany's express passenger services were undertaken by locomotives that date back to the 1970s including the DB BR 103 and DB BR 120. Both once-revolutionary locomotives had more than outlived their purpose where they were now hauling heavier trains than they had ever been designed for, this resulted in a lot of damage over time with increasingly poor reliability rates and maintenance costs. Germany was in desperate need of a new express passenger locomotive.

Following the reunification of Germany, the newly formed Deutsche Bahn AG (DBAG) went on the lookout for designs, with many manufacturing companies bidding for the deal. There were over 30 designs in the second phase of bidding some of which were quickly eliminated, in particular the non-German manufacturers. One company in particular, ABB Henschel, didn't even have a design ready to show, but more of a concept known as the eco2001. The eco2001 was basically 2 modified DB BR 120s, with changes to various components that massively increases the reliability of the locomotives.

In 1994, DB signed a deal with ABB which would develop into an order of 145 locomotives the following year, with the first locomotive completed and displayed in the Orient Red livery by July 1996. Around this time, ABB had merged with AEG to form ADtranz, this was beneficial because it meant the future DB BR 101s would be built quicker in multiple locations. Different components were built at a variety of facilities, with the final assembly taking place in Poland. The first DB BR 101

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officially entered service in February 1997.

The DB BR 101 was designed and procured to be an efficient, high speed passenger locomotive and is capable of achieving this in part due to the carefully structured sloped front and rear of the locos. This slope may look extreme in places, but it optimises streamlined efficiency to its maximum especially when compared to its cost-effectiveness. The slope is also designed not to disrupt the flow of air between the rear of the locomotive and whatever it may be hauling. The DB BR 101 was also designed with bogies derived from the ICE series, as a basis for potential speed modifications in the future, as fast as 250 km/h.

All 145 locomotives were completed by 1999 and entered service hauling express passenger services across the Deutsche Bahn network including the likes of the Nuremberg – Munich High Speed Line where the 101s operate the fastest regional service in Germany at 200 km/h. All the DB BR 101s are based in Hamburg where they receive their periodic safety checks and maintenance, they were originally based in Frankfurt, but with the rapid increase of the various ICE series' and push-pull operated consists, they were moved to Hamburg despite the amount of driver training that would require, the 101s sometimes visit Nuremberg for major maintenance works.

The basis of the DB BR 101 has its roots in some of the most ground breaking electric locomotives, so much so it shares a lot of heritage with the popular TRAXX series of locomotives and a variation of the DB BR 101 was ordered for a most unlikely customer, New Jersey Transit, which in the early 2000s worked with ADtranz/Bombardier to procure their ALP-46 and ALP-46A locomotives.

## Included Scenarios

The DB BR 101 Loco Add-on includes three challenging career scenarios for the [West Rhine: Köln - Koblenz Route Add-On](#):

- EC 115 to Klagenfurt
- IC 2226 to Kiel
- ICE 558 replacement service to Bonn

**Please Note: The [West Rhine: Köln - Koblenz Route Add-On](#) is required, as a separate purchase, in order to play the scenarios featured in this add-on.**

More scenarios are available on Steam Workshop online and in-game. Train Simulator's Steam Workshop scenarios are free and easy to download, adding many more hours of gameplay. With scenarios being added daily, why don't you check it out now!

[Click here for Steam Workshop scenarios.](#)

## Key Features

- Authentic and prototypical simulation of the DB BR 101
- Complex regulation system with AFB and LZB
- Prototypical PZB90 V2.0
- Time-Time SIFA
- Brake modes R-P-G
- Brake system with overcharging of the main air pipe pressure
- High braking for the locomotive brakes in R

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- Delayed and smoothly regulated e-brake
  - Pantographs selectable and preselectable with sparks with sound
  - Double formation and push-pull formation
  - Spoken system announcements with priority
  - Usable EBUla (very basic)
  - Switchable instrument lights
  - Reading lamp and cab light
  - Wipers with interval control
  - vR ZZA and door system compatible
  - SSTF like doors interlocking system
  - Selectable language
  - Realistic sounds optimized for EFX
  - Challenging career scenarios for the West Rhine: Köln - Koblenz route
  - Quick Drive compatible
  - Download Size: 213.5 MB

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Title: Train Simulator: DB BR 101 Loco Add-On

Genre: Simulation

Developer:

virtualRailroads

Publisher:

Dovetail Games - Trains

Franchise:

Train Simulator

Release Date: 8 Jun, 2017

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English







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train simulator db br 101 loco add-on

A highly recommended model of the DB BR 101. Definitely more of a physical simulated loc compared to the old Kuju models. It has all the complexity you may want, but perhaps not for the novice TS player. Looks and sounds are also great. There are apart from the standard traffic red livery two other special liveries: Natur and Stadtwerke.

The EBUa specific for the Koeln-Koblenz route is a nice touch. Note: you can [find on the Virtual Railroads \(the developer\) a tool to install \(not create!\) other screens for other routes. Unfortunately only in German.](#)

[The three scenarios are nice, but not amazing good. On my PC the Koeln-Koblenz route is already stressing things performance wise; with this loco sometimes things became a stutter fest.](#)

[Keep in mind that buying this DLC does not automatically update/upgrade the Kuju models, nor does it update the BR 101 models that are part of other routes such as Hamburg-Hanover.](#)

[This model is technical the same BR 101 V Bpmbdzf IC EL as sold by Virtual Railroads, but packed as a separate asset.](#)

[You have to make the trade-of as the Virtual Railroads pack comes with a steering wagon and this DLC does not. The DLC gives you three scenarios and you can get potentially Workshop scenarios while the Virtual Railroads one does not have any scenarios included. There are scenarios available thanks to the German rail community, but those usually require a lot of additional add-ons and are \(obviously\) written in German.](#)

[\[Edit\]: Hopefully better English.. Another excellent addon by Virtual Railroads, however if you want a cab car, purchase the addon from the developer's website.](#)

[My one quibble with this addon is that the LZB and AFB seem to max out at 160km/h even if running in 200 or 280 km/h sections of track](#)

[\(EDIT\) Promptly fixed. The best DLC on steam for train simulator made so far, complex enough to be a pleasure to drive, especially with PZB enabled and the HUD turned off. This is the yardstick to which all DLC should be measured](#)

#### Pros:

[Physics that will make you moist, \(if you like rocket trains you will hate this\) the 101 feels like you are at the controls](#)  
[Close to perfect in cab sounds, including authentic sounding, warnings, and responses. this really adds to immersion](#)  
[Comprehensive controls that are easy to pick up, really makes you feel like you are driving the train.](#)  
[The only DLC with near perfect braking curves when using LZB](#)

#### Cons:

[Limited selection of TAV enabled coaching stock bundled, a Sturwagen would have been nice ... adding non TAV enabled coaches prevents TAV from working.](#)

[The bundled scenarios are for a route that does not take advantage of the capabilities of this DLC, for example no neutral sections and no LZB. to get the best from this DLC you will need to make your own scenarios..](#)  
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(EDIT) Promptly fixed. This is a highly recommended extension for TS2017.

It will not replace the model of the BR101 which comes with other routes, that is not possible within the framework of TrainSimulator, but it is a very well done lok.

I always shunned scenarios with the original BR101 included with TS2017 - but I very much enjoy driving with this version.

The model is very good with a lot of advanced functionality and, for those who wish to drive with it, it has a properly working implementation of the PZB and LZB train safety systems. The PZB also has a help-function that can tell you what you did wrong to cause a PZB braking, if you turn this on (see the manual).

One of the things I like a lot about this lok is the so-called "EbULa", a computer display that shows the features of the route ahead such as upcoming speed limits and stations. It's like the route-ahead display of the TS HUD - only it's "real" and you have to keep track by yourself of where you are (by checking the hectometer - poles along the route, matching them with the display, and paging through the pages of the route-plan). It works like the real thing (only simplified) - and that's really nice.

What makes this package really nice in comparison to the package you can buy from the website of the producer, virtualRailroads, are the included scenarios which are really very well done with a lot of realistic AI traffic happening all around you all the time.

The only two minuses of this package compared to the version available from the vR website, is that 1. the driving trailer is for some reason not included in this package, and 2. the scenarios which you can download from various German train-sim sites (such as rail-sim.de) will use the "original" version instead of the Steam version.

With the quality of the included scenarios, and the fact that this version is usable for Workshop scenarios, that's only a minor issue for me however.

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One of best locos in the TS

An icon for DB passenger service

Sound:Windblowers,Tractionmotors,horn,not the rubbish recycle sound,but the exactly the replica of the real 101,like the videos on youtube.

Performance:Extremely Good\uff01

Supercar like acceleration depressive speed even with 16 Mk3a SLEP or 14 Avnz coach\uff0cjust using 150kN half of the full power.

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