



dovetail
GAMES

DB BR440



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1 BACKGROUND 3
 1.1 BR440 3
 1.2 Design & Specification 3

2 ROLLING STOCK..... 4
 2.1 BR440 4

3 DRIVING THE BR440 5
 3.1 Cab Controls 5
 3.2 Locomotive Keyboard Controls 7
 3.3 General Keyboard Controls 7

4 SCENARIOS 8
 4.1 [440] 01. Schnellbahn Service 8
 4.2 [440] 02. The Fugger-Express 8
 4.3 [440] 03. Delay Repercussions 8

5 ACKNOWLEDGEMENTS 9

1 Background

1.1 BR440

The DB BR 440 or Alstom Coradia Continental is a family of high speed commuter trains designed for S-Bahn services throughout Germany. They were first built in 2008 as DB needed an S-Bahn EMU designed for high speeds and long distance journeys that could travel alongside their ICE services, with a top speed of 160km/h (100mph), it was more than capable. These units were also designed with the environment in mind; meaning up to 95 percent of the EMU is recyclable once they reach the end of their lives.

The BR 440 was a development on the popular BR 424/425 S-Bahn EMUs with modern day improvements such as moving most of the underfloor equipment onto the roof of the unit; this resulted in a consistent lower floor, providing step-free access from platform to car. With this low floor design, the BR 440 was designed to cater for disabled passengers including spacious areas for wheelchairs and disabled toilets for those who need them. The other main advantage of moving the underfloor equipment was it was kept well above the track, making maintenance easier and reducing the risk of damage due to the excess ice that can build up around the track in the colder months.

1.2 Design & Specification

Power Type	Electric
Locomotive Weight	140t
Vehicle Length	232ft 6" (70,900mm)
Build Date	2008-Present
Vehicle Power	3862hp (2880kW)
Top Speed	100mph (160km/h)

2 Rolling Stock

2.1 BR440



3 Driving the BR440

3.1 Cab Controls





- | | | | |
|---|----------------------|----|-----------------|
| 1 | Pantograph | 10 | Sander |
| 2 | Start up | 11 | Horn |
| 3 | CMD Override | 12 | Cab Light |
| 4 | CMD Free | 13 | Reverser |
| 5 | CMD Acknowledge | 14 | Emergency Brake |
| 6 | Throttle | 15 | Train Brake |
| 7 | Handbrake | 16 | Wiper Switch |
| 8 | Headlight Brightness | 17 | Sifa Reset |
| 9 | Headlight Setting | | |

3.2 Locomotive Keyboard Controls

Key Equivalent	Action
D / A	Decrease or Increase the Regulator.
S / W	Decrease or Increase the Reverser.
; / ‘	Decrease or Increase the Train Brake.
[/]	Decrease or Increase the Locomotive Brake.

3.3 General Keyboard Controls

Key Equivalent	Action
T	Load/Unload. Press once to load/unload passengers or freight.
H	Lights. Repeatedly pressing will cycle through headlight states.
L	Cab Lights. Press to cycle cab lights on and off
I	Instrument Lights. Press to cycle instrument lights on and off
Q	(Expert) Alerter. The Alerter is a system used to ensure that the driver has seen a signal. If the alert sounds (a black/yellow striped symbol is shown in the cab) it must be acknowledged by pressing the Alerter button or the emergency brakes will be applied.
X or Shift + X	(Expert) Sander. Causes sand to be laid on the rails next to the wheels to assist with adhesion. Press X once to apply sand and Shift + X to stop.
Space	Whistle. Sound the locomotive whistle.
/	Handbrake On/Off. This icon is displayed in the Coupling view
Shift + Ctrl + C	Couple Manually.
Tab / Ctrl + Tab	Request authority to pass a signal at danger.

4 Scenarios

*****For driving tutorials, please visit the Academy from the main TS2016 menu screen*****

4.1 [440] 01. Schnellbahn Service

Join this BR440 S-Bahn service partway through its journey to Munich (tief). Currently at Olching, allow passengers to board before departing.

Duration: 25 Minutes

Difficulty: Easy

4.2 [440] 02. The Fugger-Express

Start this early morning BR440 Fugger-Express service at Munich, with a schedule all the way to Augsburg.

Duration: 50 Minutes

Difficulty: Medium

4.3 [440] 03. Delay Repercussions

This Lochham to Munich (tief) service is currently just outside of Pasing where the red signal ahead of you has just cleared. Continue this service to Munich stopping at all stations on the way.

Duration: 20 Minutes

Difficulty: Hard

5 Acknowledgements

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Beta Testing Team
Deutsche Bahn

