Railtraction manual BR628-2

About

The Class 628 is a (semi) diesel multiple unit consisted of two carriages, one motorcar (BR 628) and one control car without powersupply (BR 928), developed in the early 1970s. Originally, the BR 628 were ordered to replace the older "Railbuses" Class 795, 798 and 515.

The development of the BR 628 can be divided in several stages. The seond version of this class, the BR628-2, was an extended version of the previous two versions.
Before the diesel multiple units became widespread, a number of short-term requirements from the future production Class 628.2 units were integrated, including a 1st class open compartment, better ventilation and a dividing wall between the driver's cab and the passenger compartment. Externally the front and back were more angled, the triple headlamp was moved down and a train destination display added in order to improve the vehicle's appearance and to keep passengers better informed. In all, 150 of these units were procured between 1986 and 1989. At the Kiel locomotive depot several of these railcars were driver for a while at up to 140 km/h, but because this seriously increased wear and tear, these express duties were soon terminated again. The Class 628.2 with the DB's Regionalbahn in Schleswig-Holstein was given a redesign with new seats, new interior decor, wheelchair ramps etc. Several years before, a Karlsruhe 628.2 had also been given a fundamental modernisation of its interior.

The experience with the BR 628-2 lead to an extended version, the BR 628-4 which were more powerfull and longer.

The Class 628-2 can be operated in a maximum of four pairs and has a maximum speed of 120 kilometre per hour. The weight of a carriage is around 42 tons.

Includes

This package contains:

- Diesel Multiple Unit (DMU) BR 628-2
- Realistic sound effects (recorded from the real DMU). Optimized for EFX / Openall.
- Realistic cabin wheel/bogie sounds (stereo loops inside the cab).
- Authentic cab.
- Automatic wheelslip protection, Mica controlled.
- Sifa Safety system (Zeit-Zeit-Sifa).
- PZB System. (Modus U ,M ,O)
- PZB Lim
- Doorlock system,
- Manual door closing systems
- 2 tone horn.
- Dynamic lights in the cab.
- Dynamic brakes controlable inside combined modus.
- Instrumental lights.
- Mirrors outside the cab. (Please note: the mirrors are not reflective).
- Mirrors inside the cab (include 2 textured effectswith realistic sound).
- Autonumbering(only for destination signs and quick setup for ai traffic).
- Photo textured details.
- Skin friendly body textures.
- TS2012 features (raindrops on the windows and visible frontlights).
- Destination signs with various German cities(45 version included and 4 free skinable).
- Destination signs are ingame switchable or quick autonumbering setup.
- New German traindriver sitting only in the working cab(include yard/parked setup or ai setup).
- Quick drive compatible.
- 2 controlable wipers , include speedcontrol
- brake performance(with lua workaround for german brake simulation).
- TS2017 optimized.
- There are two scenarios included:

- BR628-2 - Destination Lindau (Three Country Corner Route)
- BR628-2 - Regio Service (Hamburg - Hanover)

General information
This locomotive uses several keys which are not standard. Below is listed which keys you can use to drive the engine.

For optimal sound, please turn EFX on in the soundsettings.

Function	Keyboard
Increase / Decrease Throttle	A / D
Increase / Decrease Reverser	W / S
Increase / Decrease Train Brake	" / ;
Increase / Decrease Locomotive Brake	[/]
Increase / Decrease Dynamic Brake	. / ,
Emergency Brake	Backspace
Horn: high / low tone	B / N
Sander	X
Headlights On / Off	H / Shift + H
Cabinlights	L
Instrument lights	Shift L
Wipers Toggle	V
PZB toggle	Shift + Control + Home
PZB Wachsam	Page Down
PZB Frei	End
PZB Befehl	Delete
SIFA toggle	Shift + NumPad Enter
Confirm SIFA	Spacebar
Change destination display manually	Shift + / Shift - (please note: - and + on NUMPAD)

Wiper speed
horn
Wipers
Sander
trainbrake
dynamic brake
mirrors
Door lock/unlock

Sifa reset
Spacebar
Sifa

BR 628 in your own scenario
Please follow the next instructions.

1. Start Train Simulator 2017.
2. Create a new scenario (standard or free roam) or start an existing scenario.
3. Once in game, turn on the World Editor mode when not already enabled by pressing CTRL+E.
4. Open the left tabs in your window.
5. In the top left tab, click on the train button named "Scenario Tools".
6. One tab below, press the blue/yellow cube named "Object Set Filter". On the right side, a new tab appear.
7. Open this tab and search for the developer, in this case Railtraction.
8. Check on the name of the add-on (if not already checked), BR628.

Now you will find the locomotive in the tab trains named BR628-2.

Dynamic numbering
You can set your own locomotive number in the World Editor. Please double click on the engine on the track. Open the tab on the right side of the screen and you will see some numbers.
Below you find a list with destinations and corresponding numbers. Please note: a visible German traindriver is added automatically too.

Trainnumber Destination

- 1000 Nicht einsteigen
- 1001 Luebeck Hbf
- 1002 Trier Hbf
- 1003 Gerolstein
- 1004 Kleve
- 1005 Mühldorf (Oberbay)
- 1006 Hannover Hbf
- 1007 Mainz Hbf
- 1008 Kirchenlaibach
- 1009 Wuppertal Hbf
- 1010 Köln Messe/Deutz
- 1011 Düsseldorf Hbf
- 1012 Lübeck Hbf
- 1013 München Hbf
- 1014 Solingen Hbf
- 1015 Bremen Hbf
- 1016 Flensburg
- 1017 Neuss Hbf
- 1018 Augsburg Hbf
- 1019 Hagen Hbf
- 1020 Siegen Hbf
- 1021 Kempten (Allgau) Hbf
- 1022 Lindau Hbf
- 1023 Ulm Hbf
- 1024 Luxembourg
- 1025 Altomünster
- 1026 Bocholt
- 1027 Fulda
- 1028 Duisburg Entenfang
- 1029 Duisburg Hbf
- 1030 Rosenheim
- 1031 Crailsheim
- 1032 Berlin-Gesundbr
- 1033 Oberhausen Hbf
- 1034 Kiel Hbf
- 1035 Frankfurt (M) Hbf
- 1036 Simbach (inn)
- 1037 Landshut (Bay) Hbf
- 1038 Bayreuth Hbf
- 1039 Karlsruhe Hbf
- 1040 Sonderzug
- 1041 FREE01
- 1042 FREE02
- 1043 FREE03
- 1044 FREE04
- 1045 FREE05

Support

For questions or support please mail to: support@railtraction.eu or visit the website www.railtraction.eu