DB Köf
Standard Type II
for TS Classic

Version 1.1

# Contents

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1 Background

In the year 1932 the German State Railways or *Deutsche Reichsbahn Gesellschaft* (DRG) called upon a number of their rolling stock suppliers to establish a work group, tasked with drawing up manifacturing standards for a type *Leistungsgruppe* II standard light shunter (a classification by engine horsepower). The requirements for the type had already been specified in 1930. Many German factories took part afterwards in the production of this midget engine for the German railway administrations between 1933 and 1956, totalling around 2000 locos. During this period many experiments with different combinations of engines and transmissions eventually resulted in a standardization on diesel propulsion with an hydraulic gearbox.

Post WW2 the two German railway companies (DB in the Federal Republic and DR in the DDR) issued additional orders to the industry, based on the same design, which in due course of time was subjected to several modernizations. Outdated propulsions sets were replaced and all cabs were provided with doors and window panels. Our version represents the original state with an open cab.

By the end of the eighties the last members of the series had already been taken out of service by both DB and DR, while a number of locos enjoyed an extended lifespan in local factory yards of private firms. Of the latter, relatively many have been preserved by railway museums and hobby clubs.

(Source: Glatte, Eisenbahn-Fahrzeug-Archiv: Diesellokomotiven deutscher Eisenbahnen, Alba 1988)
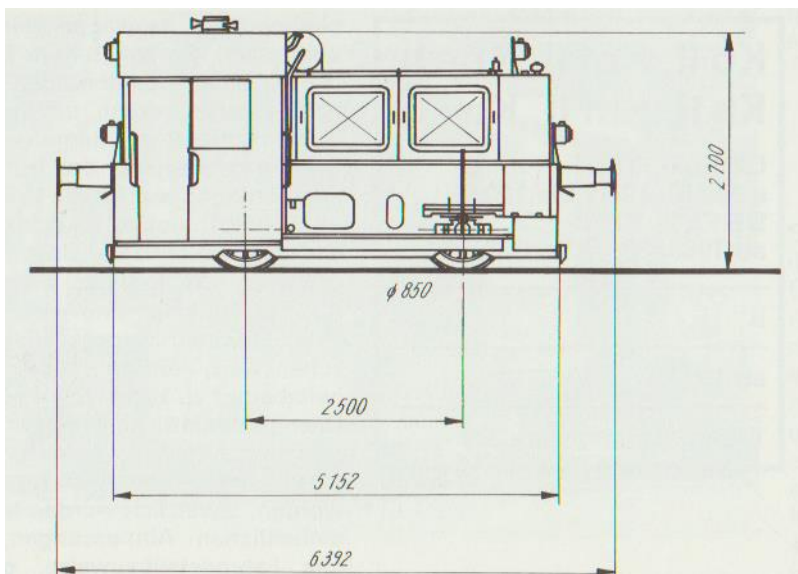
2 Installation tips

2.1 General

The Köf II shunter of Wilbur Graphics may be downloaded as a .zip-file, which next to a Readme.txt contains the following items:

- Folder Manuals\Wilbur Graphics with German, Dutch and English language user manuals:

```
WG_DB_Köf_II_Handbuch_V1_1.pdf
WG_DB_Kof_II_Manual_V1_1.pdf
WG_DB_Köf_II_Handleiding_V1_1.pdf
```

- Installer program `WG_DB_Köf_II_V11_build_230405.exe`

When started, the install .exe will prompt you to select and/or enter:

- Install procedure language (Dutch/English/French/German)
- Accepting an End User License Agreement (EULA)

…to continue the installation.

Please refer to the *release notes.txt* for the latest changes etc.

2.2 Notes on installation

- If the installer can't find the Railworks folder please make sure that the Windows Registry correctly points to the Railworks folder. This situation normally only happens when you have manually moved your Steam environment to another PC or Harddrive. You should always install Steam to the new location to fix the registry.

3 Rolling Stock

3.1 Object Browser Index

Ordner	Subordner	Browser Name	
Wilbur Graphics	Rollmat_de	WG DR Kof II 4151	
Wilbur Graphics	Rollmat_de	WG DR Kof II 6317	
Wilbur Graphics	Rollmat_de	WG P Kof II Mofin	
Wilbur Graphics	Rollmat_de	WG DB Ep3 30m3 LbEb BP	
Wilbur Graphics	Rollmat_de	WG DB Ep3 30m3 LbEb Shell	
Wilbur Graphics	Rollmat_de	WG DB Ep3 Dwg Heizoel	
Wilbur Graphics	Rollmat_de	WG DB Ep3 Glmmhs57	
Wilbur Graphics	Rollmat_de	WG DB Ep3 Gmmhs30 Oppeln	
Wilbur Graphics	Rollmat_de	WG DB Ep3 Gms30 Oppeln (Brh.)	
Wilbur Graphics	Rollmat_de	WG DB Ep3 Off 52 A	
Wilbur Graphics	Rollmat_de	WG DB Ep3 Off 52 B	
Wilbur Graphics	Rollmat_de	WG DB Ep3 Off 52 C	
Wilbur Graphics	Rollmat_de	WG DB Ep3 Off 52 D	
Wilbur Graphics	Rollmat_de	WG DB Ep3 OOtz50 Erz IIId	
Wilbur Graphics	Rollmat_de	WG DB Ep3 Pwg14	
Wilbur Graphics	Rollmat_de	WG DB Ep3 R20 Stuttgart	
Wilbur Graphics	Rollmat_de	WG DB Ep3 R20 Stuttgart NKF	
Wilbur Graphics	Rollmat_de	WG DB Ep3 SSlmas53 Bridge	

Wilbur Graphics	Rollmat_de	WG DB Ep3 SSlmas53 NKF		
Wilbur Graphics	Rollmat_de	WG DB Ep3 SSlmas53 Track: concr		
Wilbur Graphics	Rollmat_de	WG DB Ep3 SSlmas53 Track: wood		
Wilbur Graphics	Rollmat_de	WG DB SSlmas53 flash		
Wilbur Graphics	Rollmat_de	WG DB Ep3 SSy 45 Hbb		
Wilbur Graphics	Rollmat_de	WG DB Ep3 SSym 46 Hbb		
Wilbur Graphics	Rollmat_de	WG DB Ep3 Tkos30 Dortm Union		
Wilbur Graphics	Rollmat_de	WG DB Ep3 Tkos30 Oppeln		
Wilbur Graphics	Rollmat_de	WG DB Ep3 ZZw 51 Esso		
Wilbur Graphics	Rollmat_de	WG DB Ep3 ZZw 51 Eva		
Wilbur Graphics	Rollmat_de	WG DB Ep3 ZZw 51 Shell		
Wilbur Graphics	Rollmat_de	WG DB Ep3 ZZw 51 VTG		
Wilbur Graphics	Rollmat_de	WG DR Ep3 Pwg08		
Wilbur Graphics	Rollmat_de	WG DR Ep3 OOr47		
Wilbur Graphics	Rollmat_de	WG DR Ep3 ZZw 51 Leuna		

3.2   Preloads

- WG DB Köf II w/EDK-zug (wrecker train)
- WG DR Köf II w/EDK-zug

De EDK-wrecker train is available as freeware add-on in our website (www.wilburgraphics.com)

- WG DB Köf II w/DB Güterwagen (1)
- WG DB Köf II w/DB Güterwagen (2)
- WG DB Köf II w/DB Güterwagen (3)
- WG DB Köf II w/DB Güterwagen (4)

- WG DR Köf II w/DR Güterwagen

3.3 DR/DB Light shunter locomotive Köf II

DB Köf 4151

DB-livery, ca. 1960

DR Köf 6317

DR-livery, ca. 1965

Private Köf Mofin

Fictional livery of a Köf II in the service of a private firm.

4 Operation
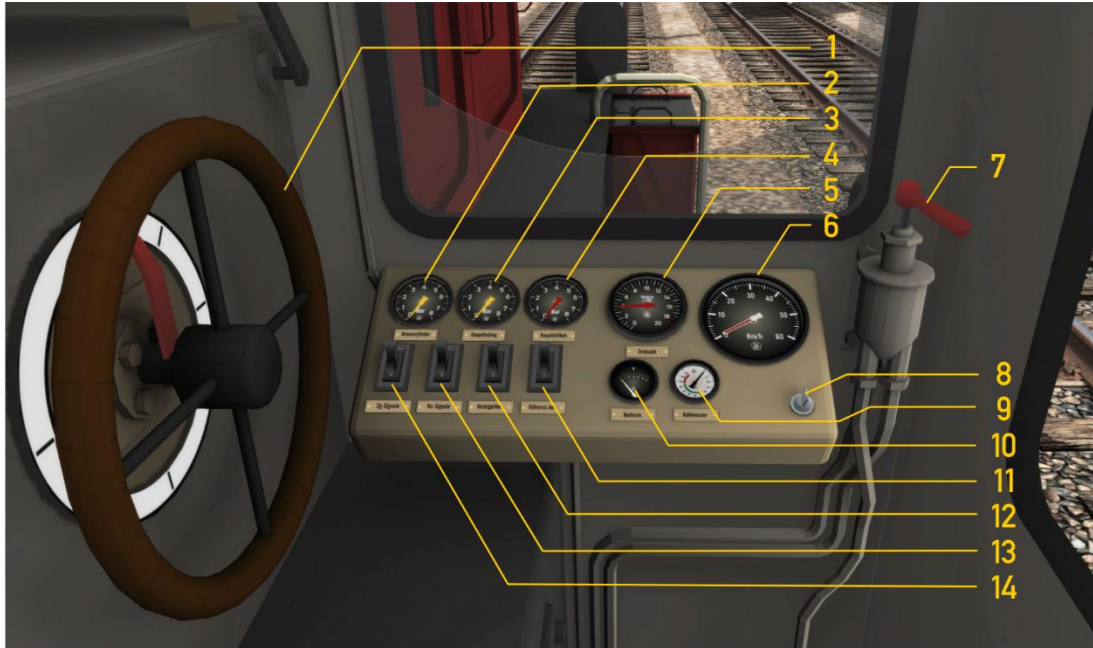
1	Power wheel	A / D
2	Brake cylinder pressure	
3	Train brake pipe pressure	
4	Main reservoir pressure	
5	RPM	
6	Speedometer	
7	Train brake handle	; / '
8	Control current on/off	Ctrl + S
9	Cooling fluid temperature	
10	Battery voltage	
11	Cab lights on/off	Ctrl + F11
12	Panel lights on/off	Ctrl + F12
13	Shunting signals on/off	Ctrl + F9
14	Train signals on/off	H/ Shift + H

The control current switch can also be set by the shortcut CTRL + SHIFT + S, as explained on page 11.
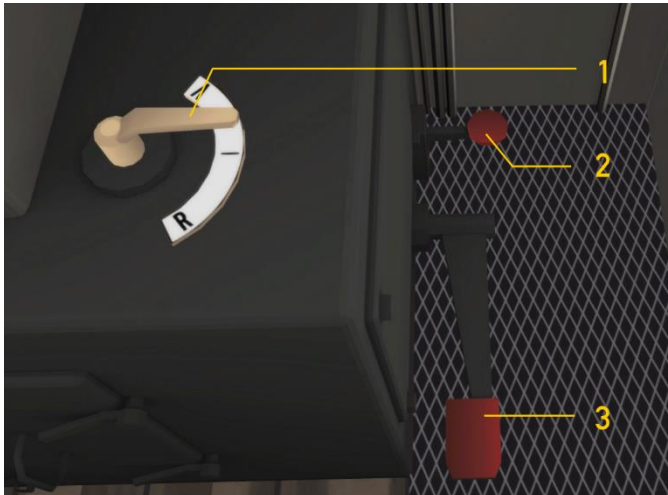
I	Reverser	W / S
2	Whistle pedal	SPATIE
3	Engine brake handle	[/]

Now let us take a closer look at the settings of the automatic power transmission. These can only be changed if both the reverser and the power wheel have been set to their zero (neutral) positions, while the loco is at a standstill. Out of three settings you may select: 0 = neutral, 1 = slow (up to ca. 15 km/h), 2 = fast (up to ca. 45 km/h). Selection can be done by three different methods. Either by the mouse (HUD or handle H1) or with shortcut E. Settings 1 and 2 will be locked and unlocked automatically by handle H2.

Critical control functions will be released after changing the control switch setting with the mouse or by shortcut CTRL + S.

Using CTRL + SHIFT + S will also switch on instrument panel lighting and shunting signals. At the same time, the gearbox will be set to position 1.

5 Scenarios

The scenarios in this release assume that you have previously installed the add-ons below:

- DTG Route Konstanz-Villingen (K/V)
- Wilbur Graphics Retro Canvas Route (RCR)

Scenario	Task	G/P
RCR: 29/0 Shunting at Oosterbroek Industry	Shunting tasks with a private Köf II in Oosterbroek Engine Factory Yard	G
RCR: 29/0 [NL] Rangeren MF Oosterbroek	Dutch language version	G
K/V: WG Köf II Shunting job in Villingen Yard	Assemble a freight train in Villingen shunting yard.	G
K/V: [NL] WG Rangeren met een Kof II in Villingen	Dutch language version	G

6 Colophon/Credits

Development and Production:
© Wilbur Graphics, Henk van Willigenburg (www.wilburgraphics.com)

Sound WG Dampfloks:
We would like to thank Michel Rausch, Thorsten Gosny and Rene Puchelt for their suggestions for finishing sounds and to Hcc!trainsim member Studio 2561 for the whistle effects.

Career Scenarios adapted from:
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Tips and Advice:
ChrisTrains.com
TrainworX (Paul Mersel)
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Reinhart 190963
Stoker

Szenarios:
Wilbur Graphics (Henk van Willigenburg)

Testing:
Ton van Schaik, René 't Hooft

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