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|----------------|------------------------------|
| <b>Type</b>    | Train Simulator 2014 - Addon |
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## Preamble

Dear customer,

we thank you for your interest in our AddOn „Scenario package Berlin - Wittenberg“. The present AddOn is an eminently special implementation.

After releasing the four PlusPacks we built our first scenario package: It's peppered with dozens of new vehicles and allows a realistic traffic scheme on the Berlin to Wittenberg route for the first time. Besides realistic trainsets we set a great value on the train operating processes - special situations in service and assignments by the dispatcher will make the scenarios a challenge. Nevertheless, there we kept realism - you will find original timetables and rakes from the year 2009 as far as it was possible to implement them. The scenarios will play in the timetable year 2009 predominantly. Furthermore we added the famous train stuff announcements. On top, we inscribed the train destination displays on the platforms depending on the scenario with real data for the first time. Using scenario scripts we were able to implement several operational specialties for the first time on a German route in Train Simulator 2014. So there is a lot material to discover and to do handicrafts with.

Counting all the delivered vehicles of this addon (with its loading and painting versions), there are about 300 vehicles. This is an extent that gives our addon the potential to become a standard work of scenario creators.

All trainsets - AI-trains (artificial intelligence, usage only for dispatcher controlled traffic) as well as player trains - make use of real sounds and have special functions for raising the realism. These features will be explained in detail in this manual.

We plan to create further German Train Simulator addons. So it's rewarding to have a look at our forum <http://www.trainteamberlin.de/forum> and our facebook page <https://www.facebook.com/TrainTeamBerlin> periodically. In this sense, we wish you as much pleasure with this AddOn as we had while creating it.

TrainTeamBerlin  
Berlin, May 2014

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## **The team and acknowledgements**

The team is free to introduce itself at this place::

*Software: TrainTeamBerlin*

*Distribution: Halycon Media and TrainTeamBerlin*

|                    |  |
|--------------------|--|
| Benjamin Ebrecht   | 3d models, sound, scripting, repaints, scenarios, manual                                 |
| Halycon-Media and. |  |
| Its authors        | archive models, sounds   |
| Michael Pabst      | scenarios  |
| Sebastian Hellmann | train destination generator ( <a href="http://www.mytrainsim.de">www.mytrainsim.de</a> ) |
| Markus Schmidt     | Urmodel BR481  |
| Christian Kirmse   | double deck coach mods and train destination displays                                    |
| Ben Duven          | announcements  |

Furthermore we want to thank all other (partly anonymous) helpers and licensors who made a contribution to the success of this addon! Special thanks to Maria, Melanie, Zahnpabst and Verkehrsente, Jonas, Giovanni, equinox82, 146Freak and 151Olli. Another special thanks goes to all tireless beta testers and courage-granters - you all have your portion of the detail-enamoured realization.

One or more textures on 3D models used in this addon have been created with images from CGTextures.com. These images may not be redistributed by default, please visit [www.cgtextures.com](http://www.cgtextures.com) for more information.

## **System requirements**



|                   |   |
|-------------------|---|
| Processor (CPU):  | DualCore 3 GHz  |
| Memory (RAM):     | 4096 MB   |
| Graphic board:    | DirectX 10-ready or better, 1024 MB physical graphic memory   |
| Hard disc spacer: | 1200 MB   |
| Sound board:      | Soundblaster or compatible gamer card   |
| Software:         | → Train Simulator 2014<br>→ Belonging "European Community Asset Pack" (installed automatically if Railworks TS2012 or earlier was used)<br>→ Route addon Berlin-Wittenberg<br>→ strongly suggested: TrainTeamBerlin "Railworks PlusPack Vol. 1"<br>respectively the four standalone PlusPacks BR101, BR143, BR151 und BR294 |

This AddOn has been developed with Train Simulator 2014.

**Important!** Please note that you need the actual update of each required addon.

### Installation & Configuration

You have to execute the file setup.exe to install „Scenario package Berlin-Wittenberg“. The automatic install routine is opening. Follow the instructions and install the addon in your Railworks main folder. This is detected automatically in most cases. You finished the installation with doing this.

### Configuration:

The installation contains small updates for already installed material. This is about a tunnel reverb effect patch and an ambient sound patch.

When updating TS2014 or the route addon - especially via Steam - it may be necessary to install overwritten files again. For doing this you don't need to reinstall the whole addon. Go to the Windows start menu and choose Programs → TrainTeamBerlin → SzenarioPaket B-Wt 01 and then the menu point „Konfiguration“. The delivered config tool will open. Just click on "Update!" and the sound updates are installed again.

**Hint:** These patches are additional files that don't affect the gameplay. So the addon will be usable as well if the sound patches were overwritten.

### Uninstallation:

If you want to uninstall "Scenario package Berlin-Wittenberg ", just run the uninstall routine which you can find in the start menu: Programs → TrainTeamBerlin → SzenarioPaket B-Wt 01 → „Deinstallation“. Follow the instructions. Now the addon is removed from your PC.

## Vehicles

In the following we will present you the delivered vehicles and its specific functions

## Double deck coaches



- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_B-WT\_KI-Verkehr**
- Set of 9 DB coaches
- highly detailed original sound
- available vehicles and paintings:
  - paintings:
    - "DB Regio" from the year 2009 with "Regio DB"-logo
    - "RE160" until 2008/2009 with "RE160"-logos
    - "Hanse-Express" with its logos
  - vehicles:
    - DBpza780 (2nd class middle coach)
    - DABpza785 (1st class middle coach)
    - DBpbzfa765/766 (control car, not driveable)
- predefined Consists delivered
- Train destination display (pixel accurate original) can be chosen via DynamicNumbering
  - wagon number contains a letter that preselects a train destination
  - available destinations:

|   |                            |   |                  |
|---|----------------------------|---|------------------|
| A | RE5 Falkenberg (Elster)    | K | RE4 Luckenwalde  |
| B | RE5 Lutherstadt Wittenberg | L | RE4 Ludwigsfelde |
| C | RE5 Rostock                | M | RE4 Jüterbog     |
| D | RE5 Stralsund              | N | RE4 Wismar       |
| E | RE5 Neubrandenburg         | O | RE4 Wittenberge  |



|   |                          |   |                                      |
|---|--------------------------|---|--------------------------------------|
| F | RE5 Jüterbog             | P | RE4 Lutherstadt Wittenberg           |
| G | RE5 Halle (Saale)        | Q | RE4 Falkenberg (Elster)              |
| H | RE5 Berlin Gesundbrunnen | R | RE4 Rathenow                         |
| I | RE5 Berlin Südkreuz      | S | RE4 Stendal                          |
| J | RE5 Berlin Hbf.          | T | RE4 Schwerin Hbf                     |
|   |                          | U | RE4 Berlin Spandau                   |
|   |                          | V | RE4 Berlin Hbf                       |
|   |                          | W | RE4 Berlin Südkreuz                  |
| X | RE3 Stralsund Hbf        | e | RE9 Berlin Schönefeld Flughafen      |
| Y | RE3 Schwedt              | f | RE9 Flughafen Berlin-Brandenburg BER |
| Z | RE3 Elsterwerda          | g | RE9 Berlin Südkreuz                  |
| a | RE3 Wünsdorf Waldstadt   | h | RE9 Berlin Hbf                       |
| b | RE3 Berlin Gesundbrunnen |   |                                      |
| c | RE3 Berlin Südkreuz      |   |                                      |
| d | RE3 Berlin Hbf           |   |                                      |

IC-Coaches



- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_IC-Wagen01**
- set with 37 express coaches of different types and paintings
- complex built original sound
- random-offset-triggered opening and closing doors
- available coaches:

| Identifier        | Description                                | Available paintings |
|-------------------|--|---------------------|
| <b>Aimz261</b>    | IR-Coach 1st Class                         | (DB, IR, VR)        |
| <b>Apmz121</b>    | IC-Coach 1st Class                         | (DB, IC, IC2)       |
| <b>ARkimbz266</b> | IR-BordBistro                              | (DB, IR)            |
| <b>Avmz109</b>    | IC-Coach 1st Class                         | (DB, IC, IC2)       |
| <b>Bimz264</b>    | IR-Coach 2nd Class                         | (DB, IR, VR)        |
| <b>Bimd268</b>    | IR-Coach 2nd Class, bike cabin             | (DB, IR, VR)        |
| <b>Bimd271</b>    | IR-Control car                             | (DB, IR, IC, IC2)   |
| <b>Bpmbdz296</b>  | IC-Control car                             | (DB, IC2)           |
| <b>Bpmbkz294</b>  | IC-Coach, 2nd Class, SnackPoint            | (DB, IC, IC2, VR)   |
| <b>Bpmbz295</b>   | IC-Coach, 2nd Class, wheelchair-accessible | (DB, IC, IC2)       |
| <b>Bpmdz293</b>   | IC-Coach, 2nd Class, bike cabin            | (IC)                |
| <b>Bpmz294</b>    | IC-Coach, 2nd Class                        | (DB, IC, IC2)       |
| <b>Bvmsz186</b>   | IC-Coach, 2nd Class, pressurized           | (DB, IC, IC2)       |

|                               |     |  |
|-------------------------------|-----|--|
| Description of paint schemes: | DB  | ICE-Scheme, white + red stripe                       |
|                               | IR  | InterRegio-Scheme, blue/white                        |
|                               | IC  | InterCity-Scheme with contrast stripe                |
|                               | IC2 | InterCity-Schema traffic red without contrast stripe |
|                               | VR  | traffic red with white stripe                        |

→ Coaches with sideways passenger information display can be labelled via DynamicNumbering.  
The wagons have the following numbering scheme:

0,0,618085-944004ABCDEEEEEFFFG

A - departure location  
B - location on route

D - train category  
E - figures of train number (thin)





C - destination location      F - figures of wagon number (thick)  
G - frame and wagon symbol (always "+" if display is enabled)

Available inscriptions:

+ - frame and wagon symbol  
\_ - [empty]

| Ziffern (dünn) | Ziffern (fett) | Zuggattungen |
|----------------|----------------|--------------|
| 0      0 thin  | =      0 bold  | a      ICE   |
| 1      1 thin  | !      1 bold  | b      IC    |
| 2      2 thin  | "      2 bold  | c      EC    |
| 3      3 thin  | §      3 bold  | d      IR    |
| 4      4 thin  | \$      4 bold | e      D     |
| 5      5 thin  | %      5 bold  | f      UEx   |
| 6      6 thin  | &      6 bold  | g      Sdz   |
| 7      7 thin  | /      7 bold  | h      IRE   |
| 8      8 thin  | (      8 bold  | i      RE    |
| 9      9 thin  | )      9 bold  | j      RB    |

Available locations:

|                            |                            |
|----------------------------|----------------------------|
| l - Berlin Südkreuz        | R - Wiesbaden              |
| m - Berlin Hbf (tief)      | S - Koblenz                |
| n - Berlin Ostbahnhof      | T - Stuttgart Hbf          |
| o - Berlin Gesundbrunnen   | U - Augsburg               |
| p - Hamburg Hbf            | V - Karlsruhe Hbf          |
| q - Hamburg Altona         | W - Göttingen              |
| r - Stralsund              | X - Dresden Hbf            |
| s - Rostock Hbf            | Y - Praha hl. n.           |
| t - Warnemünde             | Z - Brno hl. n.            |
| u - Kopenhagen             | ä - Budapest-Keleti        |
| v - Ostseebad Binz         | ö - Wien Westbahnhof       |
| w - Ostseebad Heringsdorf  | ü - Salzburg               |
| x - Westerland (Sylt)      | ß - Zürich                 |
| y - Dagebüll (Mole)        | Ä - Basel SBB              |
| z - Norddeich Mole         | Ö - Interlaken Ost         |
| A - Emden                  | Ü - Kiel                   |
| B - Osnabrück Hbf          | - - Flensburg              |
| C - Münster Hbf            | . - Aarhus                 |
| D - Schiphol               | , - Freiburg               |
| E - Amsterdam CS           | : - Oldenburg              |
| F - Lutherstadt Wittenberg | ; - Garmisch-Partenkirchen |
| G - Leipzig Hbf            | \ - Innsbruck              |
| H - Erfurt Hbf             | [ - Wittenberge            |
| I - Nürnberg Hbf           | ] - Ludwigsfelde           |

|                          |                     |
|--------------------------|---------------------|
| J - München Hbf          | { - Trier           |
| K - Hannover Hbf         | } - Luxemburg       |
| L - Dortmund Hbf         | < - Altenburg Hbf   |
| M - Düsseldorf Hbf       | > - Bad Rinckenburg |
| N - Köln Hbf             | - Köblitz Hbf       |
| O - Köln/Bonn Flugh      | ° - Wildau          |
| P - Frankfurt/Main Hbf   | 2 - Hosvenn         |
| Q - Frankfurt/Main Flugh | 3 - Wismar          |

→ The IR-Control car has got a nose cover. This can be opened or closed. You can choose the state via Dynamic Numbering, too. An "O" stands for opened (default state) and a "C" stands for "closed".

## Married-Pair-Wagen



- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_B-WT\_KI-Verkehr**
- fixed coupled wagon units (mostly with 4 or 6 coaches) of the Nord-Ostsee-Bahn
- complex sound
- Train destination display can be chosen via DynamicNumbering
  - wagon number contains a letter that preselects a train destination
  - available destinations:

|   |   |                     |
|---|---|---------------------|
| a | - | Herzlich Willkommen |
| b | - | Berlin Hbf.         |
| c | - | Leipzig Hbf.        |
| d | - | Warnemünde          |
| e | - | Rostock Hbf         |
| f | - | Nicht Einsteigen    |

- available paintings: NOB and InterConnex with advertising
- predefined consists delivered



- activation folder in scenario editor: **GermanRailroadsRW \ Rollmaterial**
- bulk cargo wagon with DynamicNumbering and automatically placed end-of-train signals
- complex built original sound
- 14 painting versions:

|             |                            |
|-------------|----------------------------|
| Falns 01-05 | DB, brown, partly graffiti |
| Falns 06-08 | PKP, old, blue/yellow      |
| Falns 09-10 | PKP, old, brown            |
| Falns 11-14 | PKP, actual, blue          |

## Fas-Wagons



- activation folder in scenario editor: **GermanRailroadsRW \ Rollmaterial**
- bulk cargo wagon with DynamicNumbering and automatically placed end-of-train signals
- complex built original sound
- four versions available ( different textures, DB Cargo / Railion )



- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_GW\_Rmms662**
- heavy duty wagon with DynamicNumbering and automatically placed end-of-train signals, couplings and brake hoses
- complex built original sound
- 4 wagons available:
  - empty
  - load cable drum
  - load steel slabs
  - load tank Leopard L6A2

The trains described in the following are designed as AI-trains (AI = artificial intelligence) and just intended for use in the computer-driven traffic scheme of scenarios. The traction vehicles are NOT drivable by the player. The wagons are technically and functionally not on the player train detail level - but you can use them in player trains as well if you want to.

## ICE 1



- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_ICE1\_KI**
- ICE1-trainset with DynamicNumbering and original sound
- Predefined consists:

|                 |  |
|-----------------|--|
| TTB_ICE1_Norm   | ICE1, normal dirt  |
| TTB_ICE1_Clean  | ICE1, clean  |
| TTB_ICE1_Dirt   | ICE1, heavy dirt   |
| TTB_ICE1_DB     | ICE1, without Redesign, with purple contrast stripe, normal dirt                         |
| TTB_ICE1_M_Norm | ICE1 M (with SBB-Pantograph), normal dirt  |
| TTB_ICE1_M_DB   | ICE1 M (with SBB-Pantograph), without Redesign, with purple contrast stripe, normal dirt |

- Selection of forename via DynamicNumbering - the last place of a wagon number is a letter - this can be adjusted as follows:

|   |                            |   |                                |
|---|----------------------------|---|--------------------------------|
| A | [no forename]              | X | Tz 156 – Heppenheim/Bergstraße |
| B | Tz 101 – Gießen            | Y | Tz 157 – Landshut              |
| C | Tz 103 – Neu-Isenburg      | Z | Tz 158 – Gütersloh             |
| D | Tz 104 – Mühltal a. Inn    | a | Tz 159 – Bad Oldesloe          |
| E | Tz 105 – Offenbach am Main | b | Tz 160 – Mülheim an der Ruhr   |
| F | Tz 106 – Itzehoe           | c | Tz 161 – Bebra                 |
| G | Tz 107 – Plattling         | d | Tz 162 – Geisenheim/Rheingau   |



|   |                            |   |                                 |
|---|----------------------------|---|---------------------------------|
| H | Tz 108 – Lichtenfels       | e | Tz 166 – Gelnhausen             |
| I | Tz 109 – Aschaffenburg     | f | Tz 167 – Garmisch-Partenkirchen |
| J | Tz 110 – Gelsenkirchen     | g | Tz 168 – Crailsheim             |
| K | Tz 111 – Nürnberg [110]    | h | Tz 169 – Worms                  |
| L | Tz 112 – Memmingen         | i | Tz 171 – Heusenstamm            |
| M | Tz 113 – Frankenthal/Pfalz | j | Tz 174 – Zürich                 |
| N | Tz 114 – Friedrichshafen   | k | Tz 176 – Bremen                 |
| O | Tz 115 – Regensburg        | l | Tz 177 – Basel                  |
| P | Tz 116 – Pforzheim         | m | Tz 178 – Bremerhaven            |
| Q | Tz 117 – Hof               | n | Tz 181 – Interlaken             |
| R | Tz 119 – Osnabrück         | o | Tz 182 – Rüdesheim am Rhein     |
| S | Tz 120 – Lüneburg          | p | Tz 183 – Timmendorfer Strand    |
| T | Tz 152 – Hanau             | q | Tz 184 – Bruchsal               |
| U | Tz 153 – Neumünster        | r | Tz 185 – Freilassing            |
| V | Tz 154 – Flensburg         | s | Tz 187 – Fulda                  |
| W | Tz 155 – Rosenheim         | t | Tz 188 – Hildesheim             |
|   |                            | u | Tz 189 – Castrop-Rauxel         |
|   |                            | v | Tz 190 – Ludwigshafen am Rhein  |

ICE-T



- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_ICE-T\_KI**
- ICE-T-trainset Class 411 with DynamicNumbering and original sound
- realistic working, active tilting technology
- predefined consists delivered:

|            |                   |
|------------|-------------------|
| TTB ICT 1x | ICE-T, half train |
| TTB ICT 2x | ICE-T, full train |

- you have to name all vehicles of one EMU with the same EMU-number for a realistic look (DynamicNumbering).

- blind windows placed automatically at vehicles of 1st line (Tz1101-Tz1132)
- ICE-logo placed automatically on end trains of some EMUs (Tz 1107, 1112, 1125, 1127, 1128, 1130, 1153 )
- ÖBB cooperation logo placed automatically at adequate ( Tz 1101- 1105, 1107 - 1113, 1119 )

→ Tz-number = serial continuous numbering of EMUS. Tz1119 consists of the vehicles 411 019, 411 119, 411 219, ... and so on

- via DynamicNumbering you can control additional functions:

**Numbering scheme: 93805411\_5142Op1a-**

O: nose cover state → "O": opened, "C": closed  
p1: pantograph state → "p1": raised, "p0": lowered  
-: train destination displays - available:  
"-" ICE 1719 Berlin - München  
"+" ICE 1556 Dresden - Wiesbaden  
a: forename - ALL realistic forenames are available:

|   |        |                            |   |        |            |
|---|--------|----------------------------|---|--------|------------|
| a | -      | without forename           | A | Tz1126 | Leipzig    |
| b | Tz1101 | Neustadt an der Weinstraße | B | Tz1127 | Weimar     |
|   |        |                            | C | Tz1128 | Reutlingen |





|   |             |                                 |   |        |                        |
|---|-------------|---------------------------------|---|--------|------------------------|
| c | Tz1102      | Neubrandenburg                  | D | Tz1129 | Kiel                   |
| d | Tz1103      | Paderborn                       | E | Tz1130 | Jena                   |
| e | Tz1104      | Erfurt                          | F | Tz1131 | Trier                  |
| f | Tz1105      | Dresden                         | G | Tz1132 | Wittenberge            |
| g | Tz1106/1159 | Passau                          | H | Tz1151 | Elsterwerda            |
| h | Tz1107      | Pirna                           | I | Tz1152 | Travemünde             |
| i | Tz1108      | Berlin                          | J | Tz1153 | Ilmenau                |
| j | Tz1109      | Güstrow                         | K | Tz1154 | Sonneberg              |
| k | Tz1110      | Naumburg (Saale)                | L | Tz1156 | Waren (Müritz)         |
| l | Tz1111      | Hansestadt Wismar               | M | Tz1157 | Innsbruck              |
| m | Tz1112      | Freie und Hansestadt<br>Hamburg | N | Tz1158 | Falkenberg/Elster      |
| n | Tz1113      | Hansestadt Stralsund            | O | Tz1160 | Markt Holzkirchen      |
| o | Tz1114/1172 | Bamberg                         | P | Tz1161 | Andernach              |
| p | Tz1115/1176 | Coburg                          | Q | Tz1162 | Vaihingen an der Enz   |
| q | Tz1116/1173 | Halle (Saale)                   | R | Tz1163 | Ostseebad Binz         |
| r | Tz1117      | Erlangen                        | S | Tz1164 | Rödental               |
| s | Tz1118      | Plauen / Vogtland               | T | Tz1165 | Bad Oeynhausen         |
| t | Tz1119      | Meißen                          | U | Tz1166 | Bingen am Rhein        |
| u | Tz1120      | Gotha                           | V | Tz1167 | Traunstein             |
| v | Tz1121      | Homburg / Saar                  | W | Tz1169 | Tutzing                |
| w | Tz1122      | Torgau                          | X | Tz1170 | Prenzlau               |
| x | Tz1123      | Hansestadt Greifswald           | Y | Tz1171 | Oschatz                |
| y | Tz1124      | Hansestadt Rostock              | Z | Tz1175 | Villingen-Schwenningen |
| z | Tz1125      | Arnstadt                        | < | Tz1177 | Rathenow               |
|   |             |                                 | > | Tz1178 | Ostseebad Warnemünde   |



- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_IC\_KI**
- set of 13 versions of class 101 with DynamicNumbering and original sound
- available locos:

|         |                             |
|---------|-----------------------------|
| 101 016 | Unicef                      |
| 101 034 | "in Form"                   |
| 101 036 | PEP (pricing system)        |
| 101 037 | Buffet                      |
| 101 044 | without ad                  |
| 101 047 | fire brigade                |
| 101 060 | Bundespolizei               |
| 101 067 | "Nett Hier"                 |
| 101 070 | Adler Mannheim              |
| 101 101 | Europe                      |
| 101 102 | Gegen Hass und Gewalt blue  |
| 101 141 | Gegen Hass und Gewalt black |
| 101 144 | Hertha BSC                  |

## Class 114/143



- activation folder in scenario editor: **TrainTeamBerlin \ Berlin-Leipzig**
- Set of 5 locos of the classes 114 / 143 with original sound
- pantograph raised automatically:
  - normal: back pantograph
  - 1. loco of double traction: front pantograph
  - loco marked as "defect": both pantographs lowered
- delivered versions:
  - 114 015 traffic red, DB Regio, train destination display
  - 143 344 MEG, red
  - 143 589 traffic red, DB Regio, without train destination display
  - 143 877 traffic red, DB Regio, with train destination display
  - 143 911 RBH, blue/silver
- Train destination display (pixel accurate original) can be chosen via DynamicNumbering
  - wagon number contains a letter that preselects a train destination
  - available destinations:

|   |                            |   |                                      |
|---|----------------------------|---|--------------------------------------|
| A | RE5 Falkenberg (Elster)    | K | RE4 Luckenwalde                      |
| B | RE5 Lutherstadt Wittenberg | L | RE4 Ludwigsfelde                     |
| C | RE5 Rostock                | M | RE4 Jüterbog                         |
| D | RE5 Stralsund              | N | RE4 Wismar                           |
| E | RE5 Neubrandenburg         | O | RE4 Wittenberge                      |
| F | RE5 Jüterbog               | P | RE4 Lutherstadt Wittenberg           |
| G | RE5 Halle (Saale)          | Q | RE4 Falkenberg (Elster)              |
| H | RE5 Berlin Gesundbrunnen   | R | RE4 Rathenow                         |
| I | RE5 Berlin Südkreuz        | S | RE4 Stendal                          |
| J | RE5 Berlin Hbf.            | T | RE4 Schwerin Hbf                     |
|   |                            | U | RE4 Berlin Spandau                   |
|   |                            | V | RE4 Berlin Hbf                       |
|   |                            | W | RE4 Berlin Südkreuz                  |
| X | RE3 Stralsund Hbf          | e | RE9 Berlin Schönefeld Flughafen      |
| Y | RE3 Schwedt                | f | RE9 Flughafen Berlin-Brandenburg BER |
| Z | RE3 Elsterwerda            | g | RE9 Berlin Südkreuz                  |
| a | RE3 Wünsdorf Waldstadt     | h | RE9 Berlin Hbf                       |
| b | RE3 Berlin Gesundbrunnen   |   |                                      |
| c | RE3 Berlin Südkreuz        |   |                                      |
| d | RE3 Berlin Hbf             |   |                                      |

Class 146 + InterConnex

- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_B-WT\_KI-Verkehr**
- Class 146.2 plus fixed coupled wagon set (mostly 4 or 6 wagons) of the Nord-Ostsee-Bahn for building realistic consists of InterConnex-trains
- extensive original sound
- coach set abovementioned
- Train destination display can be chosen via DynamicNumbering
  - wagon number contains a letter that preselects a train destination
  - available destinations:

|   |   |                     |
|---|---|---------------------|
| a | - | Herzlich Willkommen |
| b | - | Berlin Hbf.         |
| c | - | Leipzig Hbf.        |
| d | - | Warnemünde          |
| e | - | Rostock Hbf         |
| f | - | Nicht Einsteigen    |

- available locos:
  - 146 521      blue/yellow, sideways Connex-logo
  - 146 522      blue/yellow, InterConnex-ad

- predefined consists delivered

## Class 151



- activation folder in scenario editor: **TrainTeamBerlin \ Berlin-Leipzig**
- set of 5 locos of the Class 151 with original
- pantograph raised automatically:
  - normal: back pantograph
  - 1. loco of double traction: front pantograph
  - loco marked as "defect": both pantographs lowered
  
- delivered versions:
  - 151 049      green, designated museum loco, state until 2008
  - 151 081      RBH, traffic red
  - 151 084      Railion, traffic red
  - 151 084      DB Cargo, traffic red
  - 151 123      RBH, blue/silver

## Class 145/185





- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_Traxx\_KI**
- set with 52 locos of the classes 145 and 185 with original sound
- preselection of pantograph via DynamicNumbering
  - the loco number contains the code "px", where x is a figure between 0 and 4
    - p0 = all pantographs lowered
    - p1 = front pantograph raised
    - p2 = back pantograph raised
    - p3 = outer front pantograph raised (only locos with 4 pantographs)
    - p4 = outer back pantograph raised (only locos with 4 pantographs)
- loco 145 031 has got a train destination display, selection via DynamicNumbering, too:
  - a - leer**
  - b - Sonderzug**
  - c - Bitte nicht Einsteigen**
  - d - Moin moin**

→ available locos:

|               |  |
|---------------|--|
| TTB_145_008   | DB AG, red, "Railion"  |
| TTB_145_010   | DB AG, red, "DB Cargo"   |
| TTB_145_031   | DB AG, red, with regio package (train destination display)             |
| TTB_145_054   | DB AG, red, without logos  |
| TTB_145_059   | DB AG, red, "Railion DB Logistics"                                     |
| TTB_145_072   | DB AG, red, big DB logo  |
| TTB_145_CL001 | Arcelor, pink/grey   |
| TTB_145_CL003 | Rail4Chem, green, with ITL logo  |
| TTB_145_CL004 | Rail4Chem, green   |
| TTB_145_CL206 | RBH 206, blue/grey   |
| TTB_185_077   | old loco chassis, DB AG, red, "Railion DB logistics", 2 pantos         |
| TTB_185_125   | old loco chassis, DB AG, red, big DB logos, 4 pantos                   |
| TTB_185_154   | old loco chassis, DB AG, red, dirt, no logos, 2 pantos                 |
| TTB_185_155   | old loco chassis, DB AG, red, no logos, crash buffers, 2 pantos        |
| TTB_185_157   | old loco chassis, DB AG, red, "Railion", dirt, crash buffers, 2 pantos |
| TTB_185_201   | new loco chassis, DB AG, red, "Railion", 2 pantos                      |
| TTB_185_233   | new loco chassis, DB AG, red, "Railion", 2 pantos                      |
| TTB_185_279   | new loco chassis, DB AG, red, "Railion DB Logistics", 2 pantos         |



|               |   |
|---------------|---|
| TTB_185_365   | new loco chassis, DB AG, red, no sideways logo, 2 pantos            |
| TTB_185_500   | new loco chassis, Halycon, white, fictious, 4 pantos                |
| TTB_185_515   | old loco chassis, Connex, blue/yellow, no logos, 2 pantos           |
| TTB_185_516   | old loco chassis, Connex, blue/yellow, NOB+Connex-logo, 2 pantos    |
| TTB_185_517   | old loco chassis, Rail4Chem, green/grey, 4 pantos                   |
| TTB_185_542   | old loco chassis, Rail4Chem, green/grey, "European Bulls", 4 pantos |
| TTB_185_543   | old loco chassis, Rail4Chem, green/grey, "Transpetrol", 4 pantos    |
| TTB_185_548   | old loco chassis, ITL, grey, 2 pantos                               |
| TTB_185_554   | old loco chassis, MRCE, black/white flap, "MRCE Dispolok", 4 pantos |
| TTB_185_555   | old loco chassis, MRCE, black, "mgw Service", 4 pantos              |
| TTB_185_556   | old loco chassis, MRCE, black, 4 pantos                             |
| TTB_185_557   | old loco chassis, MRCE, black/white flap, "MRCE Dispolok", 4 pantos |
| TTB_185_562   | new loco chassis, ITL, grey, 2 pantos                               |
| TTB_185_573   | new loco chassis, black, "Neubauer", 4 pantos                       |
| TTB_185_574   | new loco chassis, black, "Neubauer", 4 pantos                       |
| TTB_185_575   | new loco chassis, HGK, turquoise/grey, mini logo, 4 pantos          |
| TTB_185_577   | new loco chassis, tuquois/grey, no logos, 4 pantos                  |
| TTB_185_582   | new loco chassis, HGK, red, no logos, 4 pantos                      |
| TTB_185_583   | new loco chassis, HVLE, orange/silver, 2 pantos                     |
| TTB_185_584   | new loco chassis, HGK, red, big logo, 4 pantos                      |
| TTB_185_650   | new loco chassis, ITL, red/white, 2 pantos                          |
| TTB_185_674   | new loco chassis, Rurtalbahn, grey, 2 pantos                        |
| TTB_185_696   | new loco chassis, TXLogistik, grey, 2 pantos                        |
| TTB_185_CL003 | old loco chassis, Connex, blue/yellow, big logo, 2 pantos           |
| TTB_185_CL004 | old loco chassis, Rail4Chem, blue/grey, 2 pantos                    |
| TTB_185_CL005 | old loco chassis, Hoyer Railserv, blue/grey, 2 pantos               |
| TTB_185_CL006 | old loco chassis, Rail4Chem, green/grey, 2 pantos                   |
| TTB_185_CL007 | old loco chassis, Veolia Transport, red/white, 2 pantos             |
| TTB_185_CL008 | old loco chassis, blue/grey, no logos, 2 pantos                     |
| TTB_185_CL009 | old loco chassis, blue/grey, RAG, 2 pantos                          |
| TTB_186_130   | new loco chassis, DB AG, turquoise/grey, no logos, 4 pantos         |
| TTB_481_002   | old loco chassis, ITL, black/red, 2 pantos                          |
| TTB_481_005   | old loco chassis, blue/red, no logos, 2 pantos                      |
| TTB_482_016   | old loco chassis, SBB Cargo, blue/red, 4 pantos                     |
| TTB_482_046   | new loco chassis, SBB Cargo, blue/red, 4 pantos                     |

## Class 218.8



- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_B-WT\_KI-Verkehr**
- 2 locos of the class 218.8 - modified class 218 as helper loco with Scharfenberg-coupling adaptor
  - can only be coupled with vehicles with compatible couplings (e.g. ICE-T)
  - usage as ICE tow loco
- original sound
- available locos: 218 838 und 218 839

## BR423



- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_B-WT\_KI-Verkehr**
- trainset of class 423 in the state as it was in Berlin as "S21" in the years 2006 and 2009
- original sound
- predefined consists delivered
- Train destination display can be chosen via DynamicNumbering
  - wagon number contains a letter that preselects a train destination
  - available destinations:

|                          |
|--------------------------|
| a - Berlin Gesundbrunnen |
| b - Berlin Südkreuz      |
| c - Berlin Hbf           |



Class 481

- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_B-WT\_KI-Verkehr**
- trainset of class 481 ("S-Bahn Berlin") with original sound
- random-offset-triggered opening and closing doors, process lent from ZAT with opening driver door
- predefined consists delivered
- Train destination display can be chosen via DynamicNumbering
  - wagon number contains a letter that preselects a train destination
  - available destinations:

|   |                      |   |                          |
|---|----------------------|---|--------------------------|
| a | S1 Oranienburg       | z | S42 Ring                 |
| b | S1 Frohnau           | A | S45 Südkreuz             |
| c | S1 Potsdam Hbf       | B | S45 Bundesplatz          |
| d | S1 Wannsee           | C | S45 Flughafen Schönefeld |
| e | S2 Bernau            | D | S46 Westend              |
| f | S2 Buch              | E | S46 Königs Wusterhausen  |
| g | S2 Blankenfelde      | F | S47 Herrmanstraße        |
| h | S2 Lichtenrade       | G | S47 Spindlersfeld        |
| i | S2 Priesterweg       | H | S47 Schöneweide          |
| j | S2 Südkreuz          | I | S5 Spandau               |
| k | S2 Potsdamer Platz   | J | S5 Mahlsdorf             |
| l | S25 Teltow Stadt     | K | S5 Hoppegarten           |
| m | S25 Lichterfelde Süd | L | S5 Strausberg            |
| n | S25 Lichterfelde Ost | M | S5 Strausberg Nord       |
| o | S25 Priesterweg      | N | S7 Potsdam Hbf.          |
| p | S25 Südkreuz         | O | S7 Ahrensfelde           |
| q | S25 Potsdamer Platz  | P | S75 Westkreuz            |
| r | S25 Nordbahnhof      | Q | S75 Wartenberg           |
| s | S25 Gesundbrunnen    | R | S8 Birkenwerder          |
| t | S25 Schönholz        | S | S8 Zeuthen               |
| u | S25 Tegel            | T | S8 Grünau                |
| v | S25 Hennigsdorf      | U | S85 Waidmannslust        |
| w | S3 Erkner            | V | S85 Grünau               |
| x | S3 Ostbahnhof        | W | S9 Pankow                |
| y | S41 Ring             | X | S9 Flughafen Schönefeld  |

### Subway Type A3L



- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_B-WT\_KI-Verkehr**
- trainset of Berlin subway for usage as AI train at Berlin Gleisdreieck
- resource friendly AI model without additional functionality
- predefined consists delivered

## IC-Coaches



- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_IC\_KI**
- eminent resource friendly version of the abovementioned IC coach set with additional coaches
- set with 40 express train coaches of different types and paintings
- complex built original sound
- random-offset-triggered opening and closing doors
- available coaches:

| Identifier | Description                                | Available paintings |
|------------|--|---------------------|
| Aimz261    | IR-Coach 1st Class                         | (DB, IR, VR)        |
| Apmz121    | IC-Coach 1st Class                         | (DB, IC, IC2)       |
| ARkimbz266 | IR-BordBistro                              | (DB, IR)            |
| Avmz109    | IC-Coach 1st Class                         | (DB, IC, IC2)       |
| Bimz264    | IR-Coach 2nd Class                         | (DB, IR, VR)        |
| Bimd268    | IR-Coach 2nd Class, bike cabin             | (DB, IR, VR)        |
| Bimd2f271  | IR-Control car                             | (DB, IR, IC, IC2)   |
| Bpmbdzf296 | IC-Control car                             | (DB, IC2)           |
| Bpmbkz294  | IC-Coach, 2nd Class, SnackPoint            | (DB, IC, IC2, VR)   |
| Bpmbz295   | IC-Coach, 2nd Class, wheelchair-accessable | (DB, IC, IC2)       |
| Bpmdz293   | IC-Coach, 2nd Class, bike cabin            | (IC)                |
| Bpmz294    | IC-Coach, 2nd Class                        | (DB, IC, IC2)       |
| Bvmsz186   | IC-Coach, 2nd Class, pressurized           | (DB, IC, IC2)       |
| WRmz134    | IC-Restaurant coach                        | (DB, IC, IC2)       |

Description of paint schemes:

|     |  |
|-----|--|
| DB  | ICE-Scheme, white + red stripe                       |
| IR  | InterRegio-Scheme, blue/white                        |
| IC  | InterCity-Scheme with contrast stripe                |
| IC2 | InterCity-Schema traffic red without contrast stripe |
| VR  | traffic red with white stripe                        |

- Coaches with sideways passenger information display can be labelled via DynamicNumbering.
  - wagon number contains a letter that preselects a train destination
  - available destinations:



- a - IC2355    Düsseldorf - Ostseebad Binz
- b - IC2352    Stralsund - Erfurt
- c - IC1996    Berlin-Südkreuz - Hamburg Altona
- d - IC2005    Norddeich/Mole - Konstanz

→ The IR-Control car has got a nose cover. This can be opened or closed. You can choose the state via Dynamic Numbering, too. An "O" stands for opened (default state) and a "C" stands for "closed".

## Güterwagen



- activation folder in scenario editor: **TrainTeamBerlin \ TTB\_GW\_st**
- wagon set with about 80 freight wagons, that were designed ressource friendly
- original sound linked in different versions
- automatically placed end-of-train signals
- many predefined consists
- 2 versions per wagon:

"ST"-Wagon: static version without sound for sidings

"KI"-Wagon: wagon with sound for moving traffic

- available wagons:

**Eanos-x052 - open bulk freight wagon (6x, per wagon one empty and coal load version)**

- #1: DB, brown
- #2: DB-Cargo
- #3: DB-Cargo
- #4: Railion
- #5: DB, brown
- #6: DB, brown

**Falns - bulk freight wagon (14x, per wagon one empty and coal load version)**

- #1-5: DB, brown
- #6-8: PKP old, blue/yellow
- #9,10: PKP old, brown
- #11-14: PKP new, blue

**Fas - side-dump wagon (4x, per wagon one empty and gravel load version)**

- #1,2,4: DB-Cargo, red
- #3: Railion, red

**Habbiins - 4 axle sliding wall wagon (2x)**

- #1: new, silver bright
- #2: dirt, Transwaggon

**Hbbins306 - 2 axle sliding wall wagon (7x)**

- #1,2: DB, brown, dirt
- #3: Railion, new, bright
- #4: Transwaggon, clean
- #5: clean
- #6: dirt
- #7: Transwaggon, dirt

**Rmms662 - heavy duty wagon (4x)**

- #1: DB, brown, empty
- #2: DB, brown, tank
- #3: DB, brown, cable drums



#4: DB, brown, steel slabs  
Sgns - container wagon (16x)  
#1: empty  
#2: 1x 40feet-Conatiner, red  
#3: 1x 40feet-Conatiner, white  
#4: 2x 30feet-Conatiner, green  
#5: 3x 20feet-Conatiner, grey-white-green  
#6: 3x 20feet-Conatiner, green-white-grey  
#7: 3x 20feet-Conatiner, green-blue-blue  
#8: 3x 20feet-Conatiner, grey-white-white  
#9: 3x 20feet-Conatiner, blue-white-white  
#10: 2x 20feet-Conatiner, green-white  
#11: 2x 20feet-Conatiner, blue-green  
#12: 1x 20feet-Conatiner, blue  
#13: 1x 20feet-Conatiner, white  
#14: 2x 20/40feet-Conatiner, red-blue  
#15: 2x 20/40feet-Conatiner, white-green

Zans - tank car (4x)  
#1 VTG, light grey  
#2 VTG, dark grey  
#3 GATX, dark grey, new  
#4 VTG, dark grey, new

## Scenarios:

We want to introduce the delivered scenarios in following part of the manual. We will give the basic data of each scenario and additional hints that can be useful for a problem-free ride and to solve the activity.

There are two versions of each scenario: The here mentioned standard version and a copy that don't make use of vehicles from the TrainTeamBerlin PlusPacks (see system requirements for more detail). Please note that because of technical reasons the mentioned player vehicle version and the station announcements can only be used when playing the PlusPack-version of a scenario.

### TTB SP1 01: RE38213 - Replacement vehicles

*Vehicle: 143 877 traffic red, train destination display*

*Difficulty: middle*

*Season / weather: Winter, Snow*

*Time: 14:38*

*Duration: 1:10 hours*

*Description: Winter chaos is approaching. Some trains are not available because of snow damages - so you have to drive your RE4 with a replacement train today. It's a sandwich of two 143ers with former InterRegio Coaches that belong to DB Regio today. This has happened in similar form in reality last year... It's friday afternoon and a lot traffic on the tracks. Bring your train to Ludwigsfelde in time and after an one-hour-break back to Berlin. At first set up both of you locos and let the passengers board.*

*The original timetable won't be succeedable, in Teltow is a non-planned overtaking. Your timetable is modified to the scenario:*

|                                |                     |
|--------------------------------|---------------------|
| <i>Berlin Hbf</i>              | <i>14:38- 14:40</i> |
| <i>Berlin Potsdamer Platz</i>  | <i>14:43</i>        |
| <i>Berlin Südkreuz</i>         | <i>14:49</i>        |
| <i>Berlin Lichterfelde Ost</i> | <i>14:53</i>        |
| <i>Teltow</i>                  | <i>15:00</i>        |
| <i>Großbeeren</i>              | <i>15:04</i>        |
| <i>Birkengrund</i>             | <i>15:08</i>        |
| <i>Ludwigsfelde</i>            | <i>15:13</i>        |



**TTB SP1 01b: RE38213 - The return**

Vehicle: 143 877 traffic red, train destination display

Difficulty: middle

Season / weather: Winter, Snow

Time: 16:02

Duration: 0:30 hours

Description: After having your nearly-one-hour-break (great that the pizza house delivers to the train station, too!) it is snowing heavily now. It seems realistic that there will be many delays in the next hours because of the weather. But your shift ends at Berlin Hbf. - so that might not be your problem...

Open the doors once again and make both of your locos ready (raise pantographs). Go on at 16:02.

|                         |       |
|-------------------------|-------|
| Ludwigsfelde            | 16:02 |
| Birkengrund             | 16:05 |
| Großbeeren              | 16:09 |
| Teltow                  | 16:13 |
| Berlin Lichterfelde Ost | 16:17 |
| Berlin Südkreuz         | 16:23 |
| Berlin Potsdamer Platz  | 16:27 |
| Berlin Hbf.             | 16:29 |



**TTB SP1 02: RE4 in the sunrise**

Vehicle: 143 877 traffic red, train destination display

Difficulty: middle

Season / weather: Autumn, clear

Time: 05:29

Duration: 1:05 hours

Description: You take your train at Berlin main station. Press T and let the passengers board before your 11 minutes break at this station continues. The weather service has announced some heavy showers - but this shouldn't be a problem for you.

Drive to Jüterbog with stopping at every station until Ludwigsfelde - there will just last two stops in Luckenwalde and Jüterbog - the timetable is a real one from 2009 that's adapted to this scenario. You have to hurry for being in time - but it's definitely possible to reach Jüterbog in time and end the scenario successful.

|                         |       |
|-------------------------|-------|
| Berlin Hbf.             | 05:40 |
| Berlin Potsdamer Platz  | 05:42 |
| Berlin Südkreuz         | 05:47 |
| Berlin Lichtenfelde Ost | 05:52 |
| Teltow                  | 05:56 |
| Großbeeren              | 06:00 |
| Birkengrund             | 06:04 |
| Ludwigsfelde            | 06:07 |
| Luckenwalde             | 06:25 |
| Jüterbog                | 06:34 |

## TTB SP1 03: RE38324 - The last train

Vehicle: 143 877 traffic red, train destination display

Difficulty: difficult

Season / weather: Summer/clear

Time: 22:45

Duration: 1:00 hours

Description: It's a friday evening, party people want to go to Berlin and fill the clubs. You come from Falkenberg / Elster and drive your nightly express train RE38324 to its end point Berlin Hbf. It's the last train of the day to the capital. You will stop at every station - in the night the line Re5 stops at the stations of the RE4 as well - so you gonna stop in Birkengrund, Großbeeren and Teltow, too.

It's really difficult to be in time. You may have to wait a moment at the entry signal in Jüterbog. Have a good ride and be in time!

|                         |       |
|-------------------------|-------|
| Jüterbog                | 22:49 |
| Luckenwalde             | 22:58 |
| Woltersdorf             | 23:02 |
| Trebbin                 | 23:09 |
| Thyrow                  | 23:12 |
| Ludwigsfelde            | 23:17 |
| Birkengrund             | 23:20 |
| Großbeeren              | 23:24 |
| Teltow                  | 23:28 |
| Berlin Lichterfelde Ost | 23:32 |
| Berlin Südkreuz         | 23:38 |
| Berlin Potsdamer Platz  | 23:41 |
| Berlin Hbf.             | 23:44 |

## TTB SP1 04: RE33111 - Summer thunderstorm

Vehicle: 143 877 traffic red, train destination display

Difficulty: difficult

Season / weather: Summer/thunderstorm

Time: 17:15

Duration: 1:30 hours

Description: You take the RE33111 from Berlin central station to Lutherstadt Wittenberg today. The train arrived in time - it's your job to care for scheduled ride to Wittenberg! There is an additional stop in Woltersdorf today, as the RE5 one hour ago to Falkenberg (that has to stop there) is about 75min late today...

On top you have a replacement trainset from Rostock: Due to a vehicle defect the train had to be exchanged there. So you have a 5-wagon-train with "Hanse-Express" logo. Unfortunately there was only a class 143 available - this means your maximum speed is 120km/h. And the arrival-in-time in Berlin gets surprising... ;-) Your timetable is adjusted to this circumstance. Not all platforms in Brandenburg are long enough - so stop at the H-sign everytime! The train stuff will lock the doors of one wagon if necessary.

The weather service has announced a storm warning for southern Brandenburg and parts of Saxony and Saxony-Anhalt. A hefty storm front will pass the country - but this should just give you just a stage lightning along the route instead causing trouble - doesn't it?!

|                         |              |
|-------------------------|--------------|
| Berlin Hbf              | 17:15- 17:17 |
| Berlin Potsdamer Platz  | 17:20        |
| Berlin Südkreuz         | 17:25        |
| Berlin Lichterfelde Ost | 17:30        |
| Ludwigsfelde            | 17:40        |
| Thyrow                  | 17:44        |
| Trebbin                 | 17:48        |
| Woltersdorf             | 17:55        |
| Luckenwalde             | 17:59        |
| Jüterbog                | 18:08        |
| Niedergörsdorf          | 18:13        |
| Blönsdorf               | 18:17        |
| Klebitz                 | 18:21        |
| Zahna                   | 18:27        |
| Bülzig                  | 18:32        |
| Zörnigall               | 18:34        |
| Lutherstadt Wittenberg  | 18:41        |

**TTB SP1 05: IC2159 - On Fridays**

Vehicle: 101 144 Hertha BSC

Difficulty: middle

Season / weather: Summer / clear

Time: 16:10

Duration: 0:40 hours

*Description: The IC2159 just arrived in Berlin central station. You take it from your colleague and drive this additional friday train to Leipzig.*

*Set up the engine and let the passengers board. It's friday rush hour as usual - but nor the weather neither the situation in service seem to lead to problems. There's only one defect train on your route. The dispatcher warned you: the defect train makes one section to a single track route. You will get further instructions later. Your maximum speed is 200km/h. If the signals don't show any different speed, you are allowed to drive through the stations of Ludwigsfelde, Luckenwalde und Jüterbog with 200km/h as well as the simulation route speed is lower.*

*You will have to wait for a crossing train in Jüterbog. Then you get a command from the dispatcher: You go via the reverse direction track to Niedergörsdorf and you have to lower your speed between the kilometres 88,8 and 67,4 to 25km/h. This has to be kept strictly!*

|                         |                              |
|-------------------------|------------------------------|
| Berlin Hbf              | 16:11                        |
| Berlin Potsdamer Platz  | 16:13                        |
| Berlin Südkreuz         | 16:15- 16:17                 |
| Berlin Lichterfelde Ost | 16:20                        |
| Teltow                  | 16:22                        |
| Großbeeren              | 16:24                        |
| Ludwigsfelde            | 16:25                        |
| Thyrow                  | 16:27                        |
| Trebbin                 | 16:28                        |
| Woltersdorf             | 16:32                        |
| Luckenwalde             | 16:33                        |
| Jüterbog                | 16:38-16:40 (operating stop) |
| Niedergörsdorf          | 16:46                        |
| Blönsdorf               | 16:48                        |
| Klebitz                 | 16:49                        |
| Zahna                   | 16:51                        |
| Bülzig                  | 16:52                        |
| Zörnigall               | 16:53                        |
| Lutherstadt Wittenberg  | 16:56                        |

## TTB SP1 06: IC2151 - The Flying Berliner

Vehicle: 101 101 "Europe"

Difficulty: difficult

Season / weather: Summer / cloudy

Time: 20:32

Duration: 0:45 hours

*Description: A beautiful summerday is going towards its end. You got your IC2151 coming from Düsseldorf in Erfurt and are on the way to Berlin Gesundbrunnen. Your shift is trouble-free till now.*

*You're waiting at the Entry signal of Lutherstadt Wittenberg that showed a red light one moment ago. Bring your train to Berlin Hbf in time. Your maximum speed is 200km/h. This speed is valid in Ludwigsfelde, despite the shown speed in your HUD, too.*

*You will overtake the special train DPE92567 flying between Jüterbog and Luckenwalde. Pay attention to the PZB! It's hard to be in time, but there will be no further problems.*

|                         |             |
|-------------------------|-------------|
| Lutherstadt Wittenberg  | 20:34-20:36 |
| Zörnigall               | 20:39       |
| Bülzig                  | 20:40       |
| Zahna                   | 20:41       |
| Klebitz                 | 20:42       |
| Blönsdorf               | 20:43       |
| Niedergörsdorf          | 20:45       |
| Jüterbog                | 20:49       |
| Luckenwalde             | 20:53       |
| Woltersdorf             | 20:56       |
| Trebbin                 | 20:59       |
| Thyrow                  | 21:00       |
| Ludwigsfelde            | 21:02       |
| Abzw. BAR               | 21:03       |
| Teltow                  | 21:05       |
| Berlin Lichterfelde Ost | 21:06       |
| Berlin Südkreuz         | 21:10-21:12 |
| Berlin Potsdamer Platz  | 21:14       |
| Berlin Hbf.             | an 21:17    |

## TTB SP1 07: IR2283 - One last of its species

Vehicle: 101 102 "Azubi"

Difficulty: middle

Season / weather: Summer / cloudy

Time: 9:04

Duration: 0:35 hours

*Description: Today we make a trip to the year 2006. It was the last timetable period in which the InterRegio existed officially on its last line from Berlin to Chemnitz. This line was routed ordinary via Jüterbog. With the opening of Berlin Hauptbahnhof the end of this train type will be executed terminatory. Today, you take the short 5 wagon IR2283 to Chemnitz. A freight train is ahead - but the dispatcher promised that you will see a green light in a few moments. Maximum Speed is 200km/h. Try to be in time. Good luck!*

*You have to pay special attention to the protective sections today - ignoring them can have fatal technical consequences! There is a protected section between km27,4 and 27,3. You can't turn off the main switch of the loco separately, so you have to lower the pantograph.*

|                             |             |
|-----------------------------|-------------|
| BkSig                       | 9:04        |
| Abzw. Glasower Damm         | 9:06        |
| Diedersdorf                 | 9:08        |
| Abzw. Genshagener Heide Ost | 9:12 - 9:13 |
| Birkengrund                 | 9:16        |
| Ludwigsfelde                | 9:17        |
| Thyrow                      | 9:20        |
| Trebbin                     | 9:21        |
| Woltersdorf                 | 9:25        |
| Luckenwalde                 | 9:27 - 9:30 |
| Jüterbog                    | 9:36 - 9:37 |

## TTB SP1 08: DBV93298 - Stop and go

Vehicle: BR151 DB Cargo

Difficulty: difficult

Season / weather: Autumn / foggy

Time: 7:56

Duration: 1:00 hours

Description: You're on the way for half an hour on this cloudy morning: Your trip started in Seddin Rbf with a train of heavy steel slabs for construction works in Falkenberg / Elster. This train does not operate periodically - so it's planned on a on-demand-route in the schedule. This means that you will have to grant priority all other trains of the yearly schedule.

This begins here in Genshagener Heide where you will have to let pass the InterCity 2072 "Sylter Strand". You can go on after it for letting pass further trains later on. Be prepared for red signals and drive as rapid as the circumstances are allowing. Pay attention - it's very foggy at some places! Maximum speed is 80km/h.

You have to count on a red signal at the Genshagener Heide junction, in Ludwigsfelde and in Jüterbog. There will be an overtaking by the late ICE "Karwendel" in Luckenwalde.

|                             |             |
|-----------------------------|-------------|
| Bft. Genshagener Heide Nord | 7:58        |
| Abzw. Großbeeren West       | 8:05        |
| Birkengrund                 | 8:10        |
| ESig Ludwigsfelde           | 8:11        |
| Ludwigsfelde Pbf.           | 8:15        |
| Thyrow                      | 8:20        |
| Trebbin                     | 8:23        |
| Woltersdorf                 | 8:31        |
| Luckenwalde                 | 8:36 - 8:40 |
| Jüterbog Pbf                | 8:53        |

## TTB SP1 09: CS53745 - Snow flurry

Vehicle: 151 123 RBH

Difficulty: middle

Season / weather: winter / snow

Time: 16:40

Duration: 1:10 hours

*Description: A wonderful day is ending - and your shift begins. But don't be glared by the sun, the weather service has forecasted snow storms! Today, it's your job to bring the container service 73745 from Großbeeren to Lutherstadt Wittenberg on its way to Kornwestheim via Großkorbetha and Eichenberg.*

*At first set up your loco. When the shunting service has passed, you go with shunting signal Ra12 via track 1 and the southern exit signal to track 3 and couple your train. You don't need TAB, but you will have to switch two manual junctions when the shunting service is behind you. The wagon dispatcher is ready and will couple your train and make the full brake test.*

*Shunting speed is 25km/h at maximum, your CS73745 has a maximum speed of 100km/h.*

*Stop in Lutherstadt Wittenberg at the platform - another driver waits there for you. Have a good ride!*

|                        |       |
|------------------------|-------|
| Großbeeren Gbf Gl3.    | 16:55 |
| Birkengrund            | 17:00 |
| Ludwigsfelde           | 17:01 |
| Thyrow                 | 17:04 |
| Trebbin                | 17:07 |
| Woltersdorf            | 17:14 |
| Luckenwalde            | 17:17 |
| Jüterbog ESig          | 17:28 |
| Niedergörsdorf         | 17:35 |
| Blönsdorf              | 17:38 |
| Klebitz                | 17:40 |
| Zahna                  | 17:44 |
| Bülzig                 | 17:46 |
| Zörnigall              | 17:47 |
| Lutherstadt Wittenberg | 17:52 |



**Important:** In some cases there were problems in the gameplay after leaving Großbeeren. These problems can be avoided by saving the scenario and reloading it. For keeping the correct gameplay, we strongly recommend to save the game **AFTER** passing the exit signal in Großbeeren, but **BEFORE** reaching the second junction behind it (see picture).



## TTB SP1 10: CS42147 - The Accelerated

Vehicle: 151 049 green

Difficulty: middle

Season / Weather: Autumn / showers

Time: 10:00

Duration: 1:00 hours

*Description: Good morning! You take the block train CS41147 in Lutherstadt Wittenberg. You may have seen it when entering the cab - you have a very special 151 today. It's enough time for taking a photo - the dispatcher told you that it will take until the InterConnex will have overtaken you that the exit signal turns green.*

*Then drive your train to Seddin Rbf. In Zahna is another overtaking, be in time! Maximum speed is 100km/h. Good luck!*

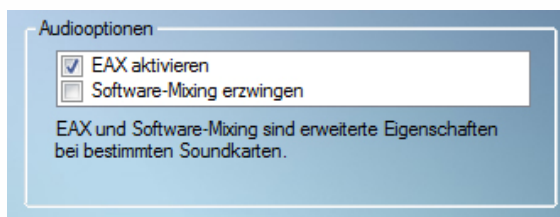
|                              |             |
|------------------------------|-------------|
| Lutherstadt Wittenberg       | 10:00-10:02 |
| Zörnigall                    | 10:07       |
| Bülzig                       | 10:08       |
| Zahna                        | 10:11-10:14 |
| Klebitz                      | 10:20       |
| Blönsdorf                    | 10:22       |
| Niedergörsdorf               | 10:26       |
| Jüterbog                     | 10:30       |
| Luckenwalde                  | 10:38       |
| Woltersdorf                  | 10:40       |
| Trebbin                      | 10:47       |
| Thyrow                       | 10:49       |
| Ludwigsfelde                 | 10:53       |
| Birkengrund                  | 10:56       |
| Abzw. Großbeeren West        | 10:58-11:07 |
| Abzw. Genshagener Heide Nord | 11:11       |

### Known problems:

→ We strongly recommend to go to the Railworks start menu and activate the "30FPS Lock" option. Please be sure that you use Railworks with graphic options that produce a smooth gaming experience. Otherwise it's possible that several functions won't work properly - for example the acoustic outputs may be played too early / too late and/or the animations may be not synchronized with the sound.

### Further advices:

→ We strongly recommend using an EAX capable sound card for an optimal audio pleasure. According to your hardware you should activate EAX in Railworks settings. The option "Force software mixing" can cause sound problems and should be deactivated in such cases. The following adjustments are approved:



→ You can use our support forum <http://www.trainteamberlin.de/forum> for further questions.

### FAQ:

**Question:** There is a Railworks update via steam. What should I take care of?

**Answer:** Please note the hints in the PlusPack-manuals separately. Concerning this scenario package: It may be possible, that some features are no longer available (soundpatch, tunnel reverb patch). In this case, open the config tool (Start menu -> all Programs -> TrainTeamBerlin -> Szenariopakete B-Wt01) and click on "Update!" All functions are reinstalled again.

**Question:** I want to download an update for a PlusPack on [myHalycon](http://myHalycon.com). But I don't find my registration key anymore.

**Answer:** At first we want to advise you of always backing up your installation files and registration keys. If you lose your key, it won't be a problem. Just open the installation program again and click through it until you are asked for the key. The key will appear automatically in this window if the addon is still installed. If the addon is no longer installed, you can contact the support via E-Mail.

**Question:** Only some or no announcements are played while driving a scenario. I know that the announcements just work properly using the PlusPack versions of the scenarios.

**Answer:** It showed up that our sound system can have dropouts using Windows 8. In this case you have to execute your Train Simulator in the Windows 7 compability mode. For setting this, open the folder `..Steam\steamapps\common\railworks`, do a right mouse click on the contained `railworks.exe` and click on properties. In the opening window click on "Compability" and activate "Run this program in compability mode for:". The choose the Windows 7 compability mode from the appendent drop down menu and apply the changes.

