



TrainSimWorld 2 starters guide

TSW2 edition

Rudolf Heijink

Version 1.1

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Preface

Introduction

For a long time I thought it would be useful to create a starters guide for Trainsimulator, to make it easier to start using this game. I did not yet complete that project, but created a Starters Guide for TrainSimWorld in 2017. Now, we are at a point that TSW is replaced by a next generation, using the name TSW2. TSW2 is both familiar with TSW but also different. That is why I follow DTG and I created a new Starters Guide, specific for TSW2. This Guide will not cover DLCs and it only touches briefly on the routes that come with the core game. For Route DLCs I already created a number of Route Guides. Loco DLCs are included in the Route Guide they fit best with.

Most of this edition is new. I changed the structure, to make it better accessible for new players.

Images

Each chapter is introduced with a screenshot I made in game. In updated versions the screenshots will be replaced by newer ones, representing new content and features.

Acknowledgements

A big thank you to all community members that contributed to the contents of this guide. May will not be aware of their contribution, but lots of information comes from the community forums.

Also, I definitely like to honor [Olaf the Snowman](#) for his knowledge on UK railroading and the willingness to share this with us.

<https://fonts2u.com/linux-biolinum-keyboard.font>

<https://www.iconspng.com/image/35324/keyboard-keys>

Frontpage image:

In game screenshot. ICE3 train near Aachen.

Disclaimer

This guide is provided “as is” the author cannot accept any consequences from the use of this guide.

The contents is the sole responsibility of the author.

Contact

Comments are welcome at trainsimulator@hollandhiking.nl.

But please be aware that I cannot provide you help with your game issues. If you have any questions, please use one of the regular community forums.

Enjoy reading!

Rudolf Heijink

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1 Introduction

1.1 About this guide

Train simulation is a serious game with a fairly steep learning curve. To give you a head start, I created this guide, which targets Train Sim World2, available at steam:

https://store.steampowered.com/app/1282590/Train_Sim_World_2/

This guide should help you with following questions:

1. What kind of game is it?
2. Should I buy this game?
3. Where can I find additional content and tools?
4. Which communities are useful for me?
5. Additions to the official game manuals
6. Tips and tricks you won't find in the manual

In addition to this manual I will create a number of route guides with specific information on signalling, the rolling stock and whatever I can find for you. Check out my website for them!

1.2 How to read this Starters Guide

With respect to the TSW edition, I changed a lot in the structure of the guide. You can read it in order of your phase in playing the game. The guide starts with the question: Should I buy this game?

In case you say yes, the next chapter gives some information on your options in buying TSW2 and the downloadable content that accompanies the game and you may want to buy as well.

Once you own the game, some basics to get you started will be covered.

Hopefully you will get very enthusiastic now and for that case, this Guide provides a lot of details you may like to know. This is really advanced stuff and hopefully it is fun to read about it and try some things.

If you open this document using Adobe Reader, you can open the bookmarks tab at the left side. This will show you the contents of this guide and it allows you to navigate quickly.

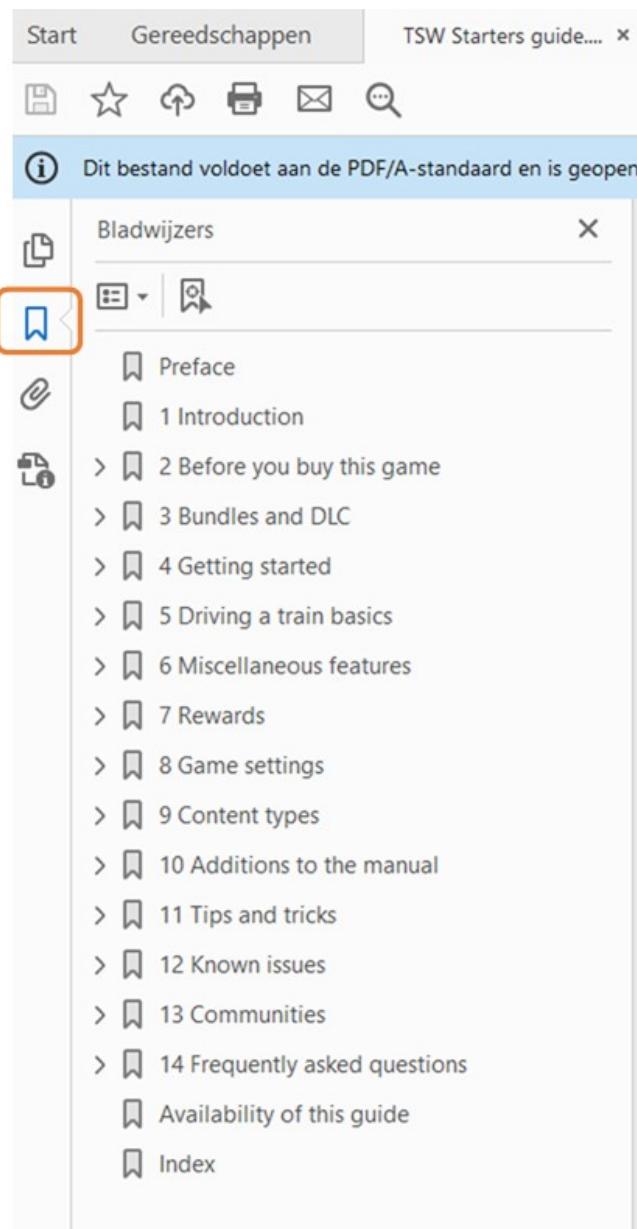


Figure 1 Bookmark button in Adobe Reader



2 Before you buy this game

2.1 TrainSimWorld2

2.1.1 About TrainSimWorld2

TrainSimWorld2 (TSW2) is a first person railway simulation program, or train simulator. Essentially, the game purpose is that you drive a train safely from A to B, performing a number of tasks on your way and avoiding violation of the basic rules for a train driver:

1. Never exceed the maximum allowed speed.
2. Never pass a signal at danger without explicit permission to do so.
3. Drive according to the time schedule, do not depart early, do not arrive late.
4. Perform all work orders.
5. Comply with safety regulations.

The game has no end, you can play it as long as you like. Also it is not competitive, you cannot win a game, but you can:

- Learn about different signalling rules
- Learn about the huge differences between different trains
- Enjoy beautiful landscapes
- Find out if you would like to be a train driver
- Walk along the tracks and find objects.
- Get points, achievements, medals and more
- ...

Because a train drives on track, driving a train seems simple. Once the engine is working you can only drive and stop forward or backward. It is far more complicated than you might think.

- Trains are heavy, which means it takes a long time to make them stop. The braking system is not very helpful.
- Stopping exactly at the right spot is hard, if you combine it with the requirement to arrive on time.
- Signals may be difficult to see in time.
- Safety procedures may interrupt driving if you are not alert all time.
- Landscape (especially grades) and weather conditions have a lot of impact on the behaviour of a train.
- Trains have some flexibility, especially with long trains this may result in speed differences between front and rear.
- Steam engines have a lot of particular optimization rules to make them run properly, especially going up a hill. (Note TSW2 does not yet have any steam engines).

This makes train simulators a specific class of simulation games.

Train Sim World 2 (TSW2) is a third generation train simulator. Still, the key is you are a train driver and performs the tasks a train driver performs. It is new in a number of ways:

1. The game engine is more based on train physics than its predecessors, contributing to realism.
2. Trains and landscape are modelled with more detail than its predecessors. Just have a look at the picture above this chapter and see how much detail there is in the flowers.
3. TSW has a number of features like a cold boot, probably fairly realistic handling of multiple units and brakes. You can use these features and gain a lot more of insights in how you keep these engines running, though it is possible to just drive them more like TS2020.
4. New is that the game is much more prepared for new gameplay and multiplayer options, though these will not be available in the foreseeable future. An example is that you walk now along the tracks, enter a train that is driven automatically, operate the turntable and switches by walking to the correct location. I'm sure there will be a gameplay possible where a driver and shunter work together to compose a train. Probably it will be possible to have a separate dispatch role.
5. This will be the first train simulator that will run on other platforms than Windows. Xbox and PS4 versions are available.
6. New is service mode, a whole day with scheduled trains. You pick one of them and drive that train to its destination. What would happen if other players pick other trains and drive these?
7. It has a number of features we take for granted, but that are in fact very new and innovative. One of them is that if you own additional engines, they can be integrated in the existing game, providing more variety.
8. There are some very limited ways to create your own content. You can create liveries and you can create very simple scenarios (not more than driving a train from A to B unfortunately).

So, this all sounds good. The downside is. you need a powerful game PC to play.

If you are not sure if you will like to play this type of game, you may choose Open Rails. This is free and you can find out if you like the concepts, though I think in the long run, TSW2 will be far superior. See also section 2.3.2

2.1.2 A brief history

TSW was developed as the successor of Train Simulator, which is technically end of life. It would be very hard to increase realism and make changes so it runs more smoothly as to add more features. But, even today Train Simulator is still a very interesting simulator which you may enjoy playing.

TSW became available, I think somewhere in 2017. People may disagree with me, but I think essentially DTG did a good job. It runs far more stable than Train Simulator and it has a number of features that people may take for granted, but that are new. This guide is about all these features, so I will try not to elaborate a lot on

them. Over the last three years TSW was developed a lot further and it has a number of features the initial version did not have. I cannot resist to name a few:

- Passenger services
- Riding as a passenger
- Walking along the tracks
- Simulated adhesion physics
- High detailed worlds
- The layer system that adds drives and additional rolling stock if you own a combination of DLC.
- Console versions for XBOX and Playstation
- Safety systems, AWS, PZB, ATC and ACSES.
- Journeys
- Mastery

The problem is DTG did not manage to fulfil an number of urgent wishes, among them:

- A content editor
- Multiplayer
- Steam engines
- VR, TrackIR and Raildriver support

So I think they got stuck and realized they were going into a dead end. Therefore they decided to step back a bit and restart development, based on the huge amount of experience and made the decision to issue it as a new game and not as an update. That is how TSW2 was born in 2020.

2.1.3 A short review

In the gaming community there are a fair number of people that are very critical towards DTG and TSWx. In part this is justified, but when people speak about a bug galore and similar terms, this is not justified.

It is a complex game and some people blame the game for incompetence to play and get things working.

My very short review:

- TSW2 runs fairly stable, far more stable than the “old” Trainsimulator game.
- You can play most of the content without problems.
- You may or may not be happy with the amount of detail provided in the simulation. There are some technical limitations and of course the detail level is limited by development costs as well.
- Some people complain about the number of DLC. DLC will increase the game play and it is the business model for this game. Without DLC it would not exist. But you can just buy the DLC that are worth the money for you. In the long run, buying all DLC is not a good idea
- One of the major dissatisfiers has been the promises DTG as a game developer made and which they cannot fulfil. It looks like they learned from it. Now there is a roadmap, showing what they are actually working on. Outside this roadmap there are no promises and that is good.

2.1.4 What is new in TSW2

I recommend to study the web page and answers to questions posted there as well. I only can give a brief summary:

<https://live.dovetailgames.com/live/train-sim-world/about-trainsimworld>

The link to the Q&A session is here:

<https://www.youtube.com/watch?v=OIS-BXQFdjk>

Note this stream is divided in a number of parts, each one clearly visible announced, so you can select the part you want to see easily.

The parts are (in order):

1. Transition
2. Preserved collection
3. Livery designer
4. Scenario planner
5. Features
6. Tech
7. Routes
8. Communication

I recommend to watch this video it is very clear. There now quite a few devstreams that showing content. This Q&A does not show anything yet.

- Adhesion simulation, in simple terms wheel slip. This should give us more realism when driving, especially with heavy freight trains uphill.
- Support for 4k video, so higher resolutions
- A better HUD, better instructions. Not sure what this exactly means.
- Scenario Planner, a tool you can use to set destinations and locos to create scenarios. The Scenario Planner will be usable on most routes and with most rolling stock.
- In-game Livery Designer, a tool to create your own liveries. I think this also is mostly pre-cooked and will not give a very large degree of freedom.
- Driver Logbook. (available as beta)
- Train weights. Loaded trains will feel loaded.

There will be two new routes:

1. Köln-Aachen, featuring the ICE3 with a max speed of 260 km/h. This is spectacular, but 70 km is a bit short for an ICE.
2. Bakerloo Line a short 14 miles London metro line with one single electrical multiple unit

Both routes are passenger only, initially, but Köln Aachen will have freight trains if you own the preserved collection routes Main-Spessart Bahn and Rhein-Ruhr Osten.

Additionally, the Sandpatch route will be improved and number of drives will be added. It also will be available for consoles now, which is good. A new feature is that weight of wagons is taken into account and there will be a different driving experience between loaded and empty trains.

Some more good news: Raildriver and Tracklr will be available some months after release date. Also it is said there will be an API so people can develop additional controllers. Not sure if this will be generally available.

2.1.5 System requirements PC version

MINIMUM:

- OS: 64-bit Windows 7 Service Pack 1, Windows 8 / 8.1 or Windows 10
- Processor: Intel Core i5-4690 @ 3.5 GHz or AMD Ryzen 5 1500X @ 3.7 GHz
- Memory: 8 GB RAM
- Graphics: NVIDIA GeForce GTX 750 Ti or AMD Radeon R9 270 with 2 GB VRAM or more
- DirectX: Version 10
- Network: Broadband Internet connection
- Storage: 20 GB available space

- Sound Card: DirectX Compatible
- Additional Notes: Requires mouse and keyboard or Xbox Controller

RECOMMENDED:

- OS: 64-bit Windows 7 Service Pack 1, Windows 8 / 8.1 or Windows 10
- Processor: Intel Core i7-4790 @ 3.6 GHz or AMD Ryzen 7 1700 @ 3.8 GHz
- Memory: 8 GB RAM
- Graphics: NVIDIA GeForce GTX 970 or AMD Radeon RX 480 with 4 GB VRAM or more
- DirectX: Version 10
- Network: Broadband Internet connection
- Storage: 20 GB available space
- Sound Card: DirectX Compatible
- Additional Notes: Requires mouse and keyboard or Xbox Controller

You can trade some components a little bit. If you own an SSD and have a powerful processor, you may use a bit lower quality graphics card. If you are willing to accept some stutter and low frame rates and/or lower visual quality, you may use systems that are a bit under the level indicated.

What certainly will not work is a laptop without a separate graphics card.

Bottom line, you can try. If you play less than two hours, you can get a refund at steam. Unfortunately two hours may not be enough to really experience the game.

Warning: I used an NVidia 660GTX which is underpowered, but it worked. After about 200 hours playing TSW the card was defect. It is possible that that it was overcharged, so be careful if your system does not meet the requirements!

2.2 TSW2 for consoles

TSW2 is also available for consoles, the XBOX1 and PS4. This may be a solution if you cannot afford to buy an expensive game PC or if you prefer to play on a large TV screen using a controller.

A few comments:

1. I love to use the XBOX controller also when playing at the PC. Especially in First Person mode it is much easier than the keyboard, but I recommend to have at least a keyboard available when playing (if this is supported for consoles), but I am not sure this is a good solution to handle the controls in the engine. For this keyboard and mouse are more suitable.
2. The Sandpatch route is now available for consoles as well, which is great news.
3. The other DLC will be available for console as well. In most cases additional content will be available for all platforms at the same day.
4. At the moment of writing, XBOX users may experience some serious issues like game crashes and that TSW2020 DLC and TSW2 DLC in preserved collection cannot be installed at the same time. DTG is working hard on solving these issues, but this takes time.

2.3 Alternatives for TSW2

If you are not sure if you will like this game, or if your computer does not meet the requirements, there are some alternatives.

2.3.1 Stick to TSW

If you do own TSW:

You can continue to play TSW. It will work, you can buy the available TSW DLC and at any moment you can switch to TSW2 if you like. But, there will be no more bug fixes and no more new DLC.

If you do NOT own TSW2020 already:

TSW may be a good choice for you to start with. Hopefully there will be nice discounts and even if you want to move to TSW2, the TSW2020 core bundle has a lot to offer, with routes that will work for TSW2 as well.

You also may dive into TSW2 right away, but it is not urgent to do so. Even if you buy TSW2 right now, the TSW2020 bundle may be a good additional purchase.

2.3.2 Open Rails and Microsoft Train Simulator

Microsoft Train Simulator (MSTS) exists since 2001 and still has a large fan base. You still can run the program, even on a Windows10 computer and it is still useful because of the widely used assets that are part of the routes included in the base game. You can buy it directly from Microsoft for US\$ 1.99. (Yes this is correct!).

<https://www.microsoft.com/en-us/store/p/train-sim/9wzdncrfj2zq>

But there is a new game engine that is compatible with this simulator. It is called Open Rails. Version 1.3.1 is available now and it is free. (The version number means that it covers all basic functions MSTS has and some more).

Download it here:

<http://www.openrails.org/>

You still will need the original MSTS if you want to create content, but for just driving you no longer need MSTS, though you may still need some of the MSTS routes. For playing the game Open Rails is a better solution. It is almost compatible, but behaves a bit different, because they tried to improve physics. Gradually it will get additional features MSTS does not have.

Please be aware that the graphics quality of the old MSTS content may look very outdated, once you have seen TSW2.

Note: Jim Shilliday says this cheap version of MSTS you can buy now will not work together with Open Rails because it is an app and has a very different installation method which is not compatible with Open Rails. So you need to search for the original discs and get them somewhere second hand if you want to create content. Otherwise you may just install the present version and copy the routes to OpenRails (not checked if you can do this, but not much to lose here).

A big disadvantage is that the visual quality of the graphics will look outdated, but it is far less demanding for your computer. The latest version of Open Rails has some downloadable content (one of them a BNSF (payware) route, which is nice for non-US citizens, because BNSF does not grant licenses outside the USA). Maybe this content has a much higher quality than the original MSTS content.

Tip: if you are new to train simulation, try this, without investing money you can find out if you like train simulation.

2.3.3 Trainz

Trainz is another simulator. I never owned it, so cannot tell if it is any good. It has a far smaller customer base than the other train simulators.

At the steam forums I found this description of Trainz by [cuavas](#)

The best way to explain Trainz is that it's a model railway simulator that's grown train driving features. It has a big emphasis on building your own layouts, and it lets you control multiple trains with a virtual Digital Command Control system as you would with a model railway. Cab mode, which has some level of vehicle

dynamics simulation, was added later. (There was also a cut-down version called Trainz Driver that omits the layout editing features.) There's a fair bit of free content available for Trainz.

2.3.4 Derail valley

Derail Valley is targeting to a very realistic driving experience. It is still in development. I think you may like it most if you have a Virtual reality device. As far as I can see, graphics quality matches TrainSimulator more or less.

https://store.steampowered.com/app/588030/Derail_Valley/

<http://www.derailvalley.com/>

It looks like it has one small world and it is mainly about having a driving experience. There is some economy aspect involved as well.

I think thus may be interesting, given the positive comments of the fans and it is good for DTG to have some serious competition.

2.3.5 DTG TrainSimulator

In 2009 Kuju presented something they called RailSimulator. This evolved to RailWorks and what is now called TrainSimulator2020 (TS2020), which is developed further by DTG. DTG now has about 50 people working on this product, so it is kind of huge. It is the predecessor of TSW.

Note: recently TS2021 came up. If you own an older version, you get the core game update for free, but you need to buy the bundle if you want the new routes. I did not adapt the naming in this guide.

For TS2020 a large amount of additional content is available. DTG has announced that they will continue support and development for TS2020. This is discussed often by the community, but the simple fact that it will take 2-3 years before DTG will make a profit on TSW (my estimation), makes me believe they will not abandon the “cash cow” in the next few years. Experience with MSTS shows that there will be a fan base for TS2020 for a long period of time, so no need to worry.

TS2020 is a good alternative if you do not have the patience to wait for TSW2 to grow. Maybe you want to play both. Believe me, there will be a lot of fun playing TS2020 for the next years, where the amount of available content is a big selling point.

In 2019 DTG released a 64-bit version. You get it for free together with the 32 bit version. This circumvents some limitations in route size and amount of detail possible in rolling stock, because it allows more than 4Gb RAM to be used for the game.

In principle it should run more stable with regard to more demanding routes. Unfortunately it is less tolerant for bugs in content and crashes more often. Into my opinion TSW is far more stable and crashes far less than TS2020.

The result of this innovation is that people say there is no future for TSW ... which has been influenced by the decision of DTG to stop development of a flight simulator. I still believe our best bet for a decent Train Simulator is TSW for the next few years, so it better be successful.

Though TS2020 is a good grown up game, it feels old and low graphics quality if you played TSW2 for a while. Be warned.

Note: if you buy TrainSimulator it will be upgraded to the latest version of the core game for free. But you will not get the new routes that are sold together with the core game. So if you buy now a legal copy of say

TS2014, the core game will be upgraded to the latest version but you will retain the routes for the TS2014 game. So if you can buy a cheap elder version somewhere, with a valid registration key, do so!

2.3.6 Run8

As far as I understand Run8 is targeting to a more realistic driving experience, including multiplayer, and a more or less realistic looking dispatch panel. For more information see <http://www.run8studios.com/>

At the moment I only see US based content and prices are a much higher than for the DTG simulators. The landscape detail quality is below the present standards for TS2020.

2.3.7 Open BVE

Open BVE has some focus in Japan and the UK. It may be interesting if you like to play with a train simulator on exotic operating systems, e.g. Mac, Linux, iOS or Android. On the negative side, landscape detailing is low (as far as I can see at some YouTube videos), but it is free, so why not give it a try? <https://openbve-project.net/>

2.3.8 World of subway

This is not a real alternative, but it has a good reputation. There are four relatively short subway routes. Each of them is a standalone game which gives you an experience of being a subway driver. Buy them at steam.

<https://store.steampowered.com/developer/tmstudios/list/35946/>



3 Buying TSW2

3.1 Should I buy it now?

In order to find out if TSW2 is something for you, you should answer following questions with yes:

1. Do you like the idea of being a train driver, which requires a lot of focus and concentration, while for long periods of time noting sensational will happen?
2. Do you possess a PC that meets the minimum requirements for TSW2 (see below)?
3. Do like to have a realistic driving experience? Like being able to walk around the train, walk along tracks, ride as a passenger, perform cold boots?
4. Would you like to play with setting up multiple units, cold boots for engines etcetera?
5. Can you afford to pay Euro 30 or US\$ 40 for this game?

If you answer most questions with yes, then you may consider to buy this game. If the problem is in the second question, you may either invest a lot of money, or try one of the alternatives.

You also may want to wait for the next sale. It definitely will be much cheaper then. I think you can get it for Euro 10 if you have enough patience.

3.2 Create a Steam account (PC only)

TSW2 runs using the Steam gaming platform, is case you use a PC. So, if you do not yet have a Steam account, your first step is to create one:

<https://store.steampowered.com/>

You may start downloading the Steam software. This software gives you a kind of dedicated web browser to manage all games you purchase at steam.

You may click at the login button to create an account. I recommend to install Steam as well on you smart phone for double verification and more safety.

3.3 Core game

Now you can buy the Core game. The Core Game for TSW2 is always sold as a bundle with three routes. Sometimes, there can be a DeLuxe edition with an additional route engine.

You can buy the main content here:

1. At Steam, this is the easiest way. You get it right away and you can play it.
2. In the DTG web shop (PC only): <https://store.dovetailgames.com>
3. In the web shop for the PS4
4. In the XBOX web shop

I do not like the DTG web shop too much, but sometimes they have a discount when Steam does not offer a discount.

In general a good strategy is this one:

- Subscribe to DTGs newsletter
- Put the game in Steam at the Wishlist

Now you just wait till a sale that suits you is announced. A discount of 50% for the Core game is definitely possible with some patience. For additional routes, 50% is about the maximum you may get after a long waiting time.

The launching bundle of TSW2 will consist of the core game plus the routes:

1. **Sandpatch grade.** This is a US freight route operated by CSX. This route was the first route for TSW, but it is now seriously upgraded and made more attractive. It really is a showcase of what you potentially can do with the game. It is good for up to about 50 hours direct game content, if you play all activities once.
2. **Köln-Aachen.** A German route, which is a combination of the ICE3 which runs at high speed (up to 250 km/h) and much slower regional trains.
3. **Bakerloo Line.** A London Metro Line

With the core game you get three routes for the price of one, which is a decent offer, even if you owned TSW on PC which already had the Sandpatch route.

There also is a DeLuxe edition, which includes East Coast Line, a UK Commuter line. **Be aware that this route is in the Preserved Collection and does not have all TSW2 features.** In the launch offer you get discount of 35% for this route, which is not bad.

3.4 Downloadable content

In addition to the core game you can purchase additional routes and engine packs, for which the generic name is "Downloadable Content" or DLC briefly.

There are six types of downloadable content (here things are getting complicated):

TSW2 Routes, which are routes created originally for TSW2. All NEW routes appearing after August 20th 2020 are TSW2 Routes. These DLCs normally will contain a full route and some engines and wagons. The engines may be brand new models or older ones that are re-used.

TSW2 engine DLCs. These contain one or more engines and zero or more wagons. Until now they also contain one or more tutorials, three scenarios and they may contain additional timetable services. Be aware that Engine DLC always require you to own a specific route DLC, also if they can be used at other routes.

TSW Preserved Collection Routes. These routes were originally developed for TSW. If you own them and if you own TSW2 you get both the TSW and the TSW2 version of the route without additional cost. These routes are compatible, but do not have all TSW2 functionality. See section 12.1 for more details,

TSW Preserved Collection Engine DLC. These DLC are also fully TSW2 compatible, but may lack some advanced features. As with the routes, you can install and use both the TSW and the TSW2 version. See section 12.1 for more details,

TSW Routes. At the moment of writing the North East Corridor route will NOT get a TSW2 compatible version, which means you still can use it in TSW but you cannot use it in TSW2.

TSW Engine DLC. At the moment of writing, two Engine DLC will not be usable in TSW2. The GP40-2 and the Amtrak SW1000R will not be usable in TSW2.

At first this looks a bit complicated and you must be careful in your purchases for two aspects:

1. TSW2 Compatibility, see also section 12.1 for more details
2. Dependencies on other Route DLC

Make sure to check this before you buy and eventually ask community members for advice.

In the long run, it is pointless to buy all available DLC. You simply will not have enough time to play all content. So it is a good idea to have a clear view of what you really like. This little checklist may help you a bit:

Area	Choices to make	My choice
Do want present day or do you prefer history stuff?	Old/New	
What type of traction do you prefer?	Diesel/Electric	
Do you prefer lower speed or high speed?	Slow/fast	
Which countries would you like? (At present limited choice)	Germany, UK, USA	
Which type of challenges	Freight, passenger, shunting	
Landscape types	Mountains, rural, cities, industry	

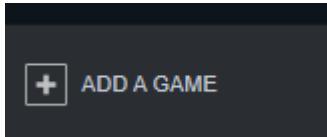
You can use the third column to make up your mind. Let me know if I missed important choices!

There is one more important thing to say. If you own a cluster of DLC, you will be rewarded by additional variation in rolling stock, you may get additional tasks you can do etcetera. At the moment, this is expanded most for the German routes. One example, if you bought the BR155 DLC, which belongs to the Ruhr-Sieg Nord, you can use the engine as well at Main Spessart Bahn, Rhein-Ruhr Osten and probably more routes. This holds for the line Köln-Aachen as well.

Tip: if you like to get a recommendation for which DLC to buy, please give the information in the checklist above. Just asking which DLC is the best one, will not help you. For a good advice you should make your question specific. And provide enough information about your taste. In general, there is no best route or DLC, so if you want anything better than a list of very various opinions, be specific.

3.5 Using the PC download key at Steam

If you buy the route directly from DTG, you get a download key. At steam in the lower left corner, you find the ADD A GAME button. Follow the instructions to add your game to Steam.



3.6 XBOX controller

At least for PC users, I recommend to invest some additional money and purchase an XBOX controller. I use it mainly for first person mode to walk along the tracks. For driving I rely on the keyboard and for camera movements I use the mouse plus keyboard. It may depend on your taste what you prefer. For TSW2 the commands for the XBOX controller have been revised, so it will be easier to use.



Figure 2 XBOX controller

3.7 TSW XBOX Collector's edition

If you own the XBOX collector's edition, you may read this message if you intend to buy TSW2.

<https://forums.dovetailgames.com/threads/preserved-collection-for-disk-owners-of-train-sim-world-2020.25166/>



4 Preparations

4.1 Game manuals

There is a quick start guide, which you can download from the sales page:

https://store.steampowered.com/app/1282590/Train_Sim_World_2/

In the right side bar there is a link to the manual:

The screenshot shows the Steam store page for Train Sim World 2. At the top, there are 'RECENT EVENTS & ANNOUNCEMENTS' with two cards: one for a livery designer update and another for the roadmap announcement. To the right, there is a PEGI rating of 3 and game details: Title: Train Sim World® 2, Genre: Simulation, Developer: Dovetail Games, Publisher: Dovetail Games - TSW, Franchise: Train Sim World, Release Date: 20 Aug, 2020. Below this, a sidebar on the right contains links: 'View the manual' (which is highlighted with an orange box), 'View update history', 'Read related news', 'View discussions', and 'Find Community Groups'. At the bottom, there are 'Share' and 'Embed' buttons.

Figure 3 Link to the game manual

The manual is very basic, essentially it only covers the cold boot procedures briefly and the controls at the XBOX or PlayStation controller.

You can download most game manuals here:

<https://live.dovetailgames.com/live/train-sim-world/articles/article/tsw-help>

Just in case this does not help, you can find them at steam as well.

4.2 Questions and answers

In the period towards the publishing dates of TSW2 community members asked a lot of questions. There were answered in a number of streams and at toe forums. Sam, the community manager prepared a list which summarizes all these questions and answers. Though it targets mainly on existing players, it may be interesting to scroll through the list and see if it is helpful to you.

<https://forums.dovetailgames.com/threads/train-sim-world-2-frequently-asked-questions.25065/>

4.3 Other guides

In addition to this guide, a number of other guides are available or will be available in due course:

- The Scenario Planner Guide, explains you need to know about creating scenarios.
- The Safety Systems Guide will provide more detail on safety systems like ACSES and PZB. (coming soon)
- For a number of routes, there are Route Guides, pointing you at a number of interesting details and background for routes and trains. At this moment, TSW2 routes are not yet covered, except for some preserved collection routes.

You can download them for free here: hollandhiking.nl/trainsimulator

4.4 In game documentation

In the game you find tutorials and scenarios that introduce the game features.

4.5 Streams

DTG streams more or less regularly about TSW. The past streams can be viewed at YouTube:

<https://www.youtube.com/user/RailSimulatorDotCom/videos>

The streams give you a lot of additional information. They are useful if you intend to buy a DLC but also to learn about undocumented features. In the week just before the release, a lot of gameplay of TSW2 is shown in the live stream. Have a look at them if needed.

There are about 2-3 live streams every week (not all for TSW2). You can access them at YouTube or Twitch.

Livestreams are usually announced at Facebook and in the announcement section of the TSW forum.

4.6 Support site

If you're experiencing problems with Train Simulator, please visit the Customer Support website at <http://dovetailgames.kayako.com/> and submit a ticket. Our Support Team is standing by to assist! if you have a non-support question or query then you can email train-simulator@dovetailgames.com

(source: DTG)

The support centre is working reasonably well. They are responsive and will forward issues to the dev team. The problem with DTG is that they are slow in fixing issues and most issues never will be fixed. Keep reporting them. In the end that must help because each ticket you file costs them a lot of money.

4.7 Roadmap

DTG publishes a roadmap, which will be updated every two weeks on Tuesday afternoon. This roadmap informs you on what DTG is actually working on. You will find there the information on new routes, loco's, fixes. Game features and more. It is helpful to have a look at it and it may help you to make decisions on which DLC you will buy, so you do not spend all your money to see the DLC you really want, appear a few weeks later.

<https://live.dovetailgames.com/live/train-sim-world/tags/roadmap>

Till now for each roadmap update there has been a Q&A livestream session at YouTube in the evening.

4.8 DTG Live

You may want to create an account for Dovetail Live. See chapter 6 for details and what you can do with Dovetail Live.



5 Playing basics

5.1 Introduction

This was a lot of information already. Now it is time to start playing.

Note: I can only try things using a PC and an XBOX controller for PC. If you play at a console, the information I provide may be less accurate. Please let me know, I could use some help for making sure the content for this Guide is good for consoles as well.

5.2 Where to start playing?

When you buy TSW you get an overwhelming amount of content. Some of the content is far more complex to drive than other content. If you do not feel comfortable by diving in the deep right away, it may make sense to start in this order:

If you never played with a new loco, it always is a good idea to spend 5-10 minutes to run a loco tutorial. Usually this tutorial shows you how to get the engine started, how to drive and how to brake. The bad news is that the tutorials tend to disable controls. If you do something the tutorial designer did not expect, this may run you into trouble. In that case, start again and make sure to do as you are told.

Once you did the tutorial, I suggest to move on to Timetable mode and select a straight forward drive. You will in most cases not get any instructions, except where to stop. Select good weather (in TSW2 driving in bad weather will be hard) and do NOT yet turn on the safety systems.

With the new TS2 routes, you can drive the journeys. They give you a gradual introduction to all kind of tasks. The BR422 is relatively easy to drive, If you bought the DeLuxe edition, East Coastway class 377 also is easy driveable to get started.

5.3 Setting your driver avatar

You will need a driver avatar. Follow the steps in the menu to set one up. A few things to keep in mind:

1. Your game progress is registered for each avatar separately.

2. The avatar will be dressed according to the route you are using.
3. If other people use your account to play TSW2, they may set up their own avatar.
4. You may choose to use avatars per country or even route.

Probably Mastery and Steam achievement do not know about your avatar, they will register progress based on the account you use.

5.4 Basic introduction

Once you setup your avatar, you automatically will land into a general game introduction. It explains how to navigate in the game. For each route you will need to do a short introduction as well. It may be a bit pointless for experienced players, but if you are new to the game, it is recommended to pay some attention to this introduction.

5.5 Navigation basics and user interface

In the area of the simulated world you can walk around free, but you cannot fly.

You can use either keyboard and mouse or XBOX controller. These will be discussed separately, but you can switch between them. It is to some extent possible to change the key bindings. In this manual I will not use that, but in a later chapter settings are covered thoroughly. If you need a quick overview. In this stream round timecode 00:56 the settings are briefly introduced (The stream is played at an XBOX console).

<https://www.youtube.com/watch?v=nO20prSSTMQ>

For the XBOX controller, you can choose between two sets of commands:

1. **Immersion mode.** This is an easy to use set of commands. It does not use complicated sequences. The price you pay for it is, that only the frequently used commands are supported directly. For the other commands, you need a keyboard or the physical controls in the engine.
2. **Classic mode.** This mode has more commands, but is also a bit more cumbersome to operate.

Note: For preserved collection routes scenarios and tutorials may use classic mode, because they were designed to give instructions based on this mode. Using immersion mode would be very confusing.

You can choose the preferred set in the settings menu.

Some common functions:

Function	Description
Run/walk	Move slow or a bit faster. In the Settings menu you can select a default
Crouch	You will be a bit smaller and can reach places you normally cannot reach. I remember two situations where it was useful. Once when I got stuck between a coupling and platform and once where I wanted to get close to a collectable.
Torch	Very useful in tunnels, but also in a few cases in the cab or engine room.
Climb	Needed if fall from a platform or in a number of cases to enter the engine cab.

5.5.1 Navigating using keyboard and mouse

The consoles do not support a mouse, just a controller and a keyboard.

5.5.2 Navigating using the XBOX controller

The key bindings are well shown in the quickstart manual, you got with the game. I will not repeat that here.

5.6 The HUD

Now you are seated it is time to talk about the HUD. HUD stands for Head Up Display. You may want to use the instruments in the cab. However, this is a simulation and it may be harder than in reality to keep sight of your instruments and the tracks at the same time. If you own TrackIR (not yet officially supported) this may help a lot, because then you can use your head to look down quickly and you will not be dependent of the keyboard, mouse and XBOX controller to change views first. People tend to forget that you are not in a real cab and even if it is faithfully created, it is different from reality.

In this section, the main aspects of the HUD are covered. In a later chapter we will dive into more detail.

Note TrackIR is not yet supported. This is coming soon.

Tip: There is a setting that allows you for a small or a big version of the lower left part of the HUD. DTG calls it **Speedometer HUD**.

The Speedometer HUD layout depends both on some settings and on the train you are driving. In the route tutorials the Speedometer HUD is briefly explained, but if you are new to the game, you may have forgotten most of it. Therefore I give one example here. Read on through the next sections in this chapter and then read the following text again, to gain a better understanding.



Figure 4 Speedometer HUD functions

In the table, the numbers refer to the numbers in the figure.

Nr	Indicator	Explanation
1	Speed numeric	The actual driving speed in km/h or Mph depending on selected units
2	Speed ring	This ring also shows the actual speed. The red circle shows the allowed track speed. Due to signalling this is not always the maximum speed you are allowed to drive. This ring will turn yellow or read when overspeeding.
3	Throttle position	The actual setting of the throttle. This is a bit rough, it does not always show all detail. The arrows indicate in which direction you can adjust the throttle. If the square around is, is red, this means the throttle is locked and no power can be applied.

4	Power meter	This shows how much power is applied to the train. The units depend on train type. In this case, a GP38-2 it shows amperes. If this value sticks at zero while you apply the throttle, you did not setup your engine properly. It may take a few seconds before you see power.
5	Grade	Grades affect your driving a lot. Going downhill, may cause your train to accelerate and you may need to brake to control speed. It also makes braking harder. Going uphill, requires more power to apply and it may be difficult to get moving. Note: the grade direction refers to the front of the train and unfortunately not always to the driving direction. This is a known issue.
6	Accellero meter	This shows if your speed is increasing or decreasing. Unfortunately it is hard to read in this HUD version. Note: there is a Mod for this. See chapter 12.16
7	Electric brake	Shows the actual setting of the electric brake as a percentage of the max setting. If the electric brake is applied, you may see a negative value at the power meter.
8	Loco brake	Shows the actual amount of braking set for the loco brake lever.
9	Train brake	Shows the actual set position for the train brake lever.
10	Train brake air	These gauges show the actual braking status. The values and number of gauges depend on the loco you drive. You should know the expected values when brakes are fully released and also when they are applied. There is a lot to tell about this. I may write a separate braking guide.

[breblimator](#) gives this very simplified explanation. The problem is that it that these gauges depend on the loco you are driving, so you may see different gauges here.

Text	Full name	Description
BC	Brake Cylinder	Loco brake pressure, should be zero when driving
MR	Main Reservoir	Total air 'to disposal'
ER	Equalizing Reservoir	Target air pressure for brake pipe
BP	Brake Pipe	Whole train brake pressure. When you release the brakes, you need to wait till this value equals the ER value

5.7 Driving

In details, the way you drive an engine may vary a lot. In this section the common basics are covered. It is always necessary to read the manual and to do the in game tutorial when drive an engine you do not yet have any experience with. Though generally the steps are predictable, each loco may require specific setup procedures. In general, setup is most easy for timetable mode.

You may want to consult my route guides or other sources to discover a lot more of the fine details that may be helpful.

The key steps are:

- Turn the master key on (**Ctrl+W**)
- Set the reverser to forward (**W** or **S**, depending on loco)
- Release the brakes (**:** key and sometimes **I** as well)
- Apply some power (**A** will increase power, **D** will decrease power), but not too much, normally 20-30% of the max should be OK.

For a long train it may take quite some time before you actually are driving. Light passenger trains will respond more directly.

Driving is the easy part, before you cause any accidents, let's see how to stop.

5.8 Braking

Braking is the hardest part of your driving experience. There is a huge diversity in braking systems and in the way brakes will respond to your request. In this section, the technical details will not be covered, It is just to get you going.

Essentially there are four types of brakes, but not all of them will be present at any loco.

The **hand brake** or **parking brake** should prevent a parked loco to get moving. Also wagons may have parking brakes. Normally, you need not to bother about them. (Key to toggle)

The **loco brake**, also called **direct brake**, is used to brake if you are driving a light engine (this is an engine without any wagons). It responds very direct (keys to release or to apply).

The **drivers brake** or **train brake** is used to brake the whole train. It uses air pressure in some form to brake each individual wagon. Because the changes in pressure must travel through the whole train, it takes time before brakes are applied. If you brake to the max, it may take minutes to release the brakes. The brake keys are to release the brakes and to apply.

The last one is the **dynamic** or **electric brake**. The electric brake works by generating electricity from the moving energy in the loco. It is a bit like a dynamo. Because generating electricity will cost energy, this will slow down the train. The dynamic brake becomes less effective as you drive slower. The key to release is and to apply you use .

Some engines may have a combined power/brake handle. In this case, the key will set braking, if no power is applied.

The dynamic brake and train brake may be combined in a single handle as well. Not all trains do have a dynamic brake.

Now let's be practical:

1. If you drive one or two locos only, use the **loco brake**.
2. If you go downhill and need to slow down, use the dynamic brake, where necessary combined with the train brake. Please note it takes about 10 seconds before the dynamic brake starts working. So apply it timely.
3. In all other cases, use the train brake. You need to find out when to start braking, but start timely and do not apply too much braking power. That also is something you need to learn by practice.
4. If try to brake hard, your brakes will not release timely and your train speed may decrease too much or you may stop too early. Unfortunately the timetables in game are not always designed properly and may not allow decent braking.
5. Starting at a grade. Apply the loco brake, then release the train brakes. Apply some power and once power is up, release the loco brake very gradually. If there is no loco brake, apply a small amount of power and then release the train brake. It can be very hard, but keep trying!
6. Before braking, set the throttle always to off.
7. Brakes may have separate settings for passenger mode and freight mode. Check if such a setting exist and choose the proper one. Usually, freight mode works more slowly but freight trains usually have a lower allowed maximum speed.

One final tip for now. Some train brakes are a one way system. You can increase brake power, but you cannot gradually decrease brake power. If you try to decrease, it will completely release the brakes. It also

may be that if you brake again right away, you have not enough air in the brake system main reservoir and your brakes are working less effective. Worst case, you drive downhill and your brakes refuse any service. You will learn that later, but for now you are good to give it a try.

Tip: if you have trouble finding the correct stopping point, pressing **Ctrl+7** toggles a coloured guidance on track to help you estimate the distance.

Tip: some trains have multiple braking systems. Especially for the older UK engines you need to choose between freight and passenger mode and between airbrakes and vacuum brakes. This topic is covered elsewhere. For now it is OK just to be aware of this.

5.9 Pick up passengers

To pick up passengers, make sure your whole train is along the platform. Once you stopped, you can open the doors. For some trains, there is not a button in the cab, because the guard/conductor will open the doors. In other cases, you first need to select which door to open and then you press some button to unlock the doors.

An interesting detail: in some UK trains you cannot open doors from the inside, only from the outside. In this case the procedure is to open the window and then you can open the door.

To open and close passenger doors, you can either use the in game controls in your cab, if they are available, or press the Tab key, which opens a small menu that allows you to open or close doors.

Note: at some time in future there will be keys to open doors from the keyboard. Unfortunately this option is not yet available.

Modern trains will have traction locked while the doors are open. This means you cannot move the throttle. Before departing, make sure the throttle is in Off position and the brakes are fully released.

5.10 Using the 2D map

By pressing key 9 you open the 2D map. This map is not yet very good, but it is helpful for a number of reasons:

1. To identify the path for your train.
2. To set switches
3. To identify problems, e.g. if you have to wait long for a signal, you can check if there is a train blocking the path.

If you hover over the switch symbol at the 2D map, the actually selected path will be shown purpose. This is very helpful.

The path for the player train is shown as a light blue line. This helps you in a yard to set all switches properly.

5.11 Coupling and uncoupling

There are a fair number of coupling systems. For now it is important to know there are automatic and manual coupling systems.

For automatic coupling, you just need to place the two train parts connected to each other.

For manual coupling, stop a short distance before you touch the other train part and the drive your train slowly against the other train (max 2.5 Mph or 3km/h).

They you need to get off the train and use the mouse or XBOX controller to couple manually. You also can use the external cameras key **[3]** or **[8]** to do this.

Some electrical multiple units may have a button in the cab to couple/uncouple. Check the manuals or just look around in the cab to find out about this. You will rarely be required to use this. I have only seen it in a few scenario's, where you will be instructed how to do it.

5.12 Setting switches

There are three ways to set switches:

1. Click on the blue dot of the switch you want to change in the 2D map (key **[9]**).
2. Get out of your train and walk over to it, and click the lever.
3. Fly to the switch in free cam mode (key **[3]** or **[8]**) and click the lever, you don't need to leave loco.

In most cases, the path for your train is light blue coloured at the map. Sometimes this is bugged, but you always can see the destination marker.

By hovering your mouse over the switch at the map you can check the switch settings.

Note a scenario can block these functions, sometimes you need to wait till you get instructions to set a switch. It is also possible that the methods are blocked in a scenario by the game.

5.13 Signalling

By now you may realize that there is a large diversity in signalling, as there is in all other train driving aspects.

Signalling is about other trains that may be at your track, speed limits, marking potentially dangerous situations (the top fun aspect is the signal telly you to use the horn). The departure order as given by the guard is a signal as well.

Let's talk here about the most visible aspect of signalling. The signals you see along the track. The two main variants are semaphore signals (today still in use!) and light signals.

In principle, the route manual should provide you with some information on signalling specific for the route you will drive. You may drown easily in the details of the rules, so if you do not remember all right away, if you know about the five rules below, not too much can go wrong, though your drive may not be optimal.

1. If you see **green**, proceed. (**Note**, for German routes the HUD may show green, where you actually should slow down).
2. If you see **yellow**, slow down and prepare to stop
3. If you see something **flashing**, slow down
4. If you see **red** combined with **other colours**, slow down, it is likely you must stop soon.
5. If you see **red only**, never pass, unless you got explicit approval. Doing otherwise is "game over" in TSW.

There may be a lot of other types of guidance for your behaviour as well. Most important are speed limits. Normally these should be announced in advance and you must adhere to them. You also must adhere to the maximum allowed speed of your train and sometimes your train is so heavy that it has a long braking distance which you need to take into account.

If you are new to train simulation, I recommend to turn on the HUD functions that show the next signal, next signal aspect and next speed limit.

5.14 Essential game settings

At this point, you may be interested to learn about a number of game settings that make your life easier or more difficult as you want. In this section, not all game settings will be covered, just the most important ones.

5.14.1 Setting units

Depending on the route you drive, you may want to set the units to Metric or Imperial. You can do this while playing, pause the game (**Esc**) and then select the game settings.

Note: in TSW2 there is a new setting. You can set the value to **Automatic**. The route will determine the units that are used.

5.14.2 Configuring the HUD

The default settings are not too bad, but after you gain a bit of experience, I recommend to read chapter 9 about all settings and key bindings for HUD elements. Because you can do so many things, it takes some time to discover it all and to find you what you like best.

5.14.3 Configuring your screen

For newer consoles the game engine renders at 4k resolution and then it is downscaled to the external resolution. You can apply the proper setting in the settings menu, using the setting **Display Mode**. This setting is only for consoles.

For PCs you should adjust the resolution to match your screen resolution. You also may set the graphic detail levels according to how powerful your system is.

The good news is that you can do this during gameplay, there is no need to restart the game.

Using the **Ctrl+F3** key you can turn on the frame rate indicator. If you are generally above 30fps you are good to go. Just try till you find a proper balance between performance and graphics quality.

5.15 Safety systems and driving aids

Trains are heavy and, because they are bound to track not very flexible. Therefore train accidents may have serious consequences. To improve safety a number of driving aids have been introduced in course of time. These aids can be very different, depending on country and era. Also the impact can be very different. Using them increases realism and may keep you busy. By default in TSW2 all safety systems are turned off.

If you are a new player, this is OK, leave it for a while. If you want to start using it, start using the Alerter and add other systems later. You also may like the cruise control, which helps you not to overspeed.

5.15.1 Alerter

The Alerter is a device that checks if you are still capable to drive the train. It may come in a form than you need to press a button at regular intervals (e.g. 30 seconds). In another form it checks if you are active using throttle and brake. If you use it, the alerter will not bother you. If you do not touch them, there will be a visible and/or audible signal and you need to acknowledge.

If you fail to acknowledge, the emergency brakes will be applied. In some cases, pressing the button will release them, other system brake the train to a shameful stop and you may try again.

Activate the alerter: **Shift+ Enter** (at the **Numpad**).

Acknowledge: **Q**

5.15.2 Cruise controls

Some trains may have a cruise control. They do not always work in the same simple way, so please check the game manual.

The most common procedure is to activate the cruise control using **Ctrl+R**

Then you can increase the target speed by pressing the **R** button or decrease the target speed using the **F** button.

You can see at your speedometer in the HUD the settings of the cruise control as a blue line around the speed gauge.

Then apply the throttle as desired. This is the simple use. You also can activate the cruise control while driving, but this is advanced use.

In most case you can turn on the cruise control while driving, but specific undocumented procedures may apply.

If you need to brake, you can set a lower target speed, or set the throttle to off and start braking using the train brake. In some cases this will disable the cruise control. If you do not set the throttle to off, you may cause a traction lockout.

5.15.3 Safety systems

As a driver it is easy to miss a signal or overlook a speed warning. The driver safety systems should protect the train against serious accidents. In general, except for LZB they do not really intend to be helpful yet.

These systems vary in complexity and by country. If you want to try using the, the British AWS is a good starting point. AWS does not enforce anything, except that you MUST acknowledge the alerts.

You find it at some of the preserved collection UK routes.

The German system PZB is a more complicated and very prescriptive. The used terminology does not really help it to use easily.

For high speed lines in Germany (currently the ICE3 only) you may find the LZB system. LZB combines cruise control with in cab signalling. It will see a long distance ahead and it will drive the train by itself. This is nice for a short distance, but on the long run it is boring of course.

In the US ACSES and ATC are the more advanced systems. They are in itself a bit more friendly to the driver than PZB.

I will create a separate guide covering the various safety systems.

In this stream, Matt will give a tutorial on PZB and LZB.

<https://www.youtube.com/watch?v=Ry8FuUphDgU>

I recommend watching this stream anyway. It gives you valuable driving tips for Köln-Aachen.

Once you are a bit used to playing train simulations I recommend to turn the safety systems on.

5.16 Trouble shooting for beginners

In this section a number of issues starting players may experience. If the solutions do not help, you also may want to read the know issues section (Chapter 0).

5.16.1 Read the documentation

Always make sure to read the documentation provided. It may not have the best quality, but there is useful information. You also should play the tutorials and later all scenarios, it is remarkable to see many people do not even do this.

5.16.2 Google is your friend

Type your problem in Google and you may find a bunch of answers. Most questions have been asked before.

5.16.3 Look for a Steam Guide

For a number of issues, there are Steam Guides. You find them at the game page. In case of TSW2, you also may have a look at the steam guides for TSW. Most of them will be relevant for you.

5.16.4 Ask a question at a forum

If nothing else helps, you may try asking a question at one of the forums (see chapter 14). There is a helpful community, but please make sure to do the steps mentioned before first. It is impolite to ask a question if you did not do this.

If you ask a question, give detailed information. You may use this small checklist:

- Which route are you driving?
- Which tutorial/scenario?
- Which loco?
- Describe the steps/situation as clearly as possible.

In many cases you will get at least some tips.

5.16.5 Update your computer software

Make sure to sue the latest Windows version and latest graphics drivers. This is especially useful if you get weird errors like crashes, extremely low framerates and so on.

5.16.6 Check your system specs

Did you check if you meet the minimal PC specs for TSW2? If not, nothing will really help you. This game is demanding, better be prepared. You can play it on a good gaming laptop. If it's not a gaming laptop, chances are low.

5.16.7 Submit a ticket

You should not have very high expectations from the DTG support desk. They do a good job, but in many cases they cannot solve your issue. Contact details for the support site are in chapter 4.6.

5.16.8 Some common issues

My DLC is not visible. You may not yet have downloaded it. For loco DLC's , be aware that they require a specific route you must own. Refer to the sales page for more information. Not all preserved collection DLC are already available for TSW2.

My train will not start driving. In most cases you missed a startup task. Review the manual. After releasing the train brakes it may take up to 2 minutes before you can drive. Also make sure all doors are locked.

After a passenger stop my train does not move. Make sure to set the throttle in OFF position. Close the doors, release the brakes completely and then try again.

I am stuck at a red signal. Check the 2D map is any train is coming. Check the 2D map if all switches are set properly (the blue line is your path).

When I load a saved game ... In TSW reloading a saved game may result in weird errors. Varying for a red signal, no power, safety systems going nuts. This is because saving the complete game state is quite complex and error prone. We have to live with this for the time being. What you can try: stand up and sit down again, turn off the safety systems. Brake and then release brakes and apply power again. In some cases you cannot do anything, you need to start again.

Note: I encountered serious bug in the save game function for one preserved collection route. Other players reported similar issues for other routes. Till this is solved, resuming a saved game should be considered as a last resort action.

I cannot start the engines at Sandpatch. For the AC4400, play the introduction tutorial. There is one additional point, set in the screen the traction to Lead as well. For the GP38-2 and the SD40-2 you need following controls to be set properly:

1. **Field generator** on, Engine Run on
2. **Cutout valve** to Freight or Passenger (whatever you need)
3. At the bottom of the console, there is a control to set up multiple units. Set this up to **Lead or Dead**

I cannot start the train at Bakerloo. Read the quickstart guide and follow all steps carefully.

I cannot set AFB for the ICE3. The keyboard keys will not help you out here. There is a display in the loco where you can configure AFB.

6 Dovetail Live

6.1 Create an account

You may want to subscribe to DTG Live. This gives you access to the official game forums, and you can use the Mastery feature if you like. I cannot give you proper deep link, but you will find it. It is also described in all game manuals.

<https://live.dovetailgames.com/>

6.2 Check if you are connected

It may be useful to know you are connected tot Dovetail Live. You can see it in any of the menus, where you will see a small DTG logo:

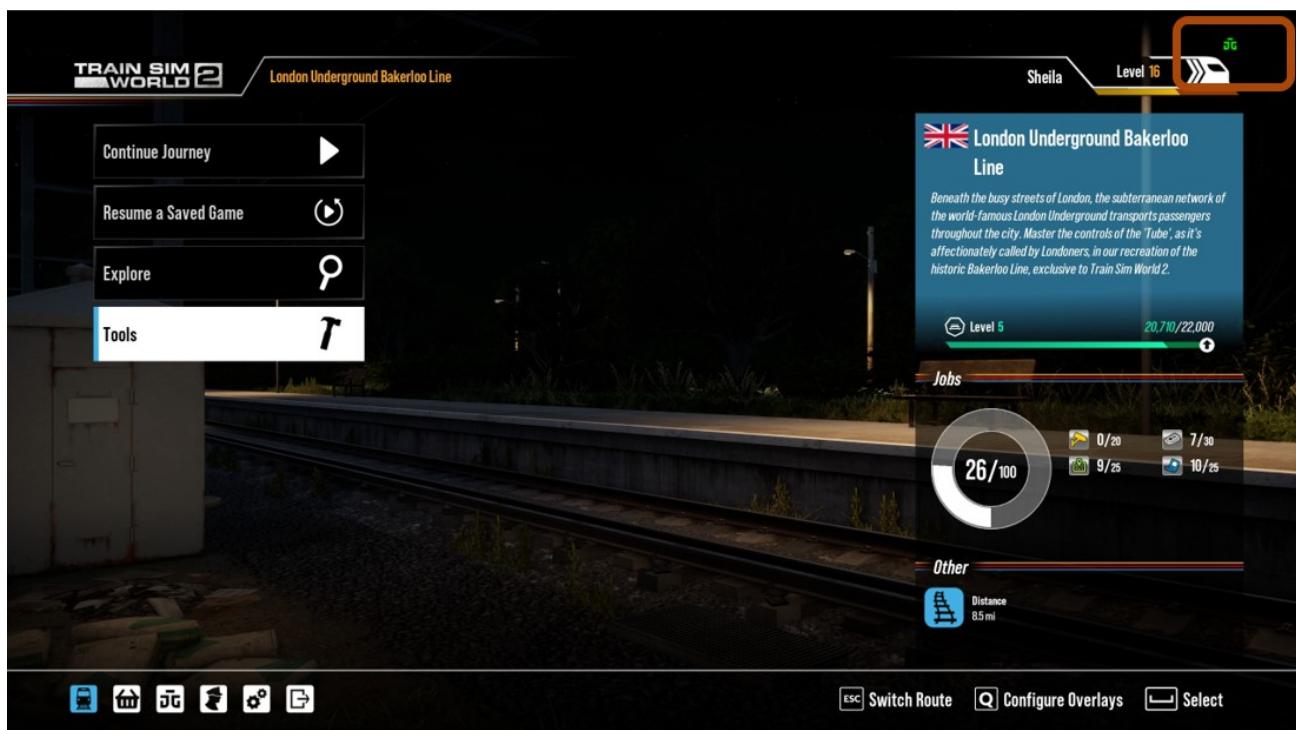


Figure 5 Check your DTG Live login status

6.3 Screenshots

TSW2 has a new way added to create screenshots and save them into your profile. You can share them using Facebook or Twitter.

On the PC using an Xbox controller to take a screenshot you hit the X button and hold it down, once it takes the screenshot it asks you if you want to upload it to DTG Live.

They should appear on the Railfan Shots tab of your Dovetail Live profile:

<https://live.dovetailgames.com/live/train-sim-world/profile/shots>

- **Xbox One** – Hold the X button
- **PlayStation 4** – Hold the Square button
- **Steam** – Press Ctrl + F10

All of the shots you save will be added to your Dovetail Live Profile online at trainsimworld.com. You can see your gallery of Railfan Shots [here](#). Log in, click on “Profile” and then “Railfan Shots” to see these. You can then click on each capture to see which Route and Scenario they were taken on and edit details like the name so you can keep a personal record. You can also share to social media from here.

There is a restriction, you can only take these screenshots if you are driving a train. It does not work from first person mode and they will cover only say 70% of your screen.

I assume DTG will add more features later and use this as the base for the weekly screenshot competition.

Note: the screenshot function may be confusing. See chapter 12.2 for all details and options.

6.4 Drivers logbook

A new function is the drivers logbook. At the moment this is still in its infancy and very beta. The idea is that you can collect there the details of how well you have driven a certain route, scenario or service.

You need to be logged in during gameplay and you can review it from the profile page at DTG:

<https://live.dovetailgames.com/live/train-sim-world/profile/drivers-logbook>

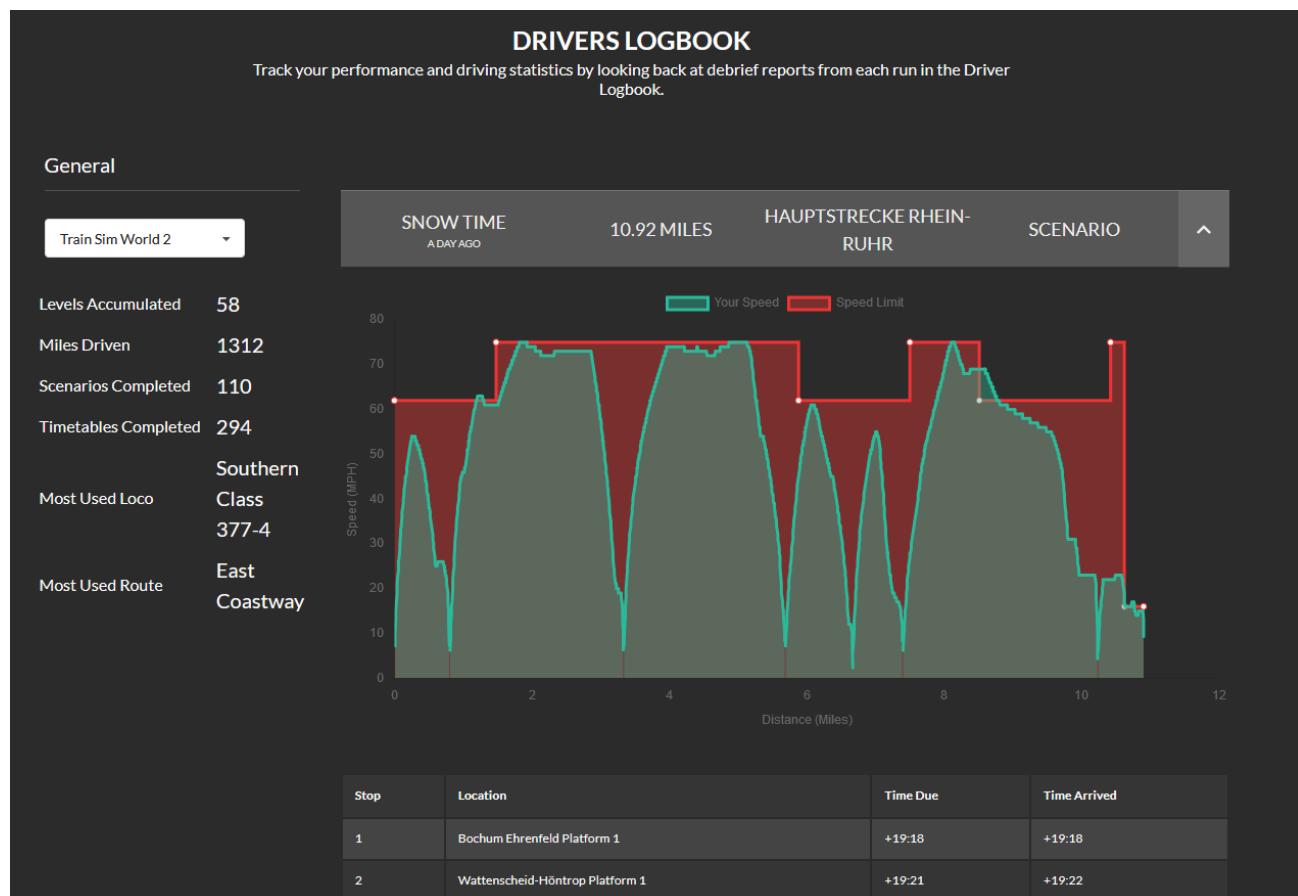


Figure 6 Drivers logbook sample page



7 Content types

7.1 Tutorials

Tutorials consist of step by step instructions for a specific purpose. Most of them are very short. For the newer DLC they are restricted to show you a simplified cold boot, drive a bit and brake. If you are new to TSW, it is best to start playing at least the introductory tutorials for the route.

Scenarios are bit of a mix. Some are just game drives, others can be considered as a showcase for the features we may get when the scenario editor is available. Finally, some scenarios have a tutorial character and demonstrate game features.

7.2 Scenario planner

With the Scenario Planner you can relative easy create your own drives. There is a limit of 30 scenarios per route and it is very simple right now, but you may expect more development in this area. The Scenario Planner is covered in a separate guide, because I expect there will be a lot to say about this.

7.3 First person mode

In the Services menu you can select either an engine or your avatar. If you select your avatar, you can choose season, time of day and a location. You now can walk along the tracks or at the station platforms.

If you are at one of the stations, you can enter a train that stops at the station and ride as a passenger, or you go to the cab and take control of the train and drive it yourself (you only can do this if the train is stopped).

You also can try to locate the tasks/collectables (see 8.9).

7.4 Time table

As a basis there is a timetable that lasts 24 hours. Trains are scheduled in the 24 hours scheme. You can take control of each of these trains, while the others are driven automatically.

During this process you can set season and weather, but you also can select a livery if more than one liveries is supported for an engine. If you own the GP-40 DLC, at the NEC or Sandpatch route you can drive a number of services with the GP-40 instead of the GP-38. For the automatically drive trains, the game will select the livery at random. Same thing for the German routes, where you get more timetable drives and more variety.

For most present DLC the major issue with time table mode is that it feels a bit boring, with little variety in the types of tasks. For the NEC route DTG did a great job for the diesel shunting services, for Ruhr-Sieg North they seriously attempted to increase variety. For WSR a number of very short shunting duties are included.

Tip: at the top of the Timetable there is a search option that allows you to filter the services you can choose.

Tip: if you own the Rhein-Ruhr Osten preserved route, you will get additional S-Bahn drives at the Köln-Aachen Route. Need to wait a while till it is available.

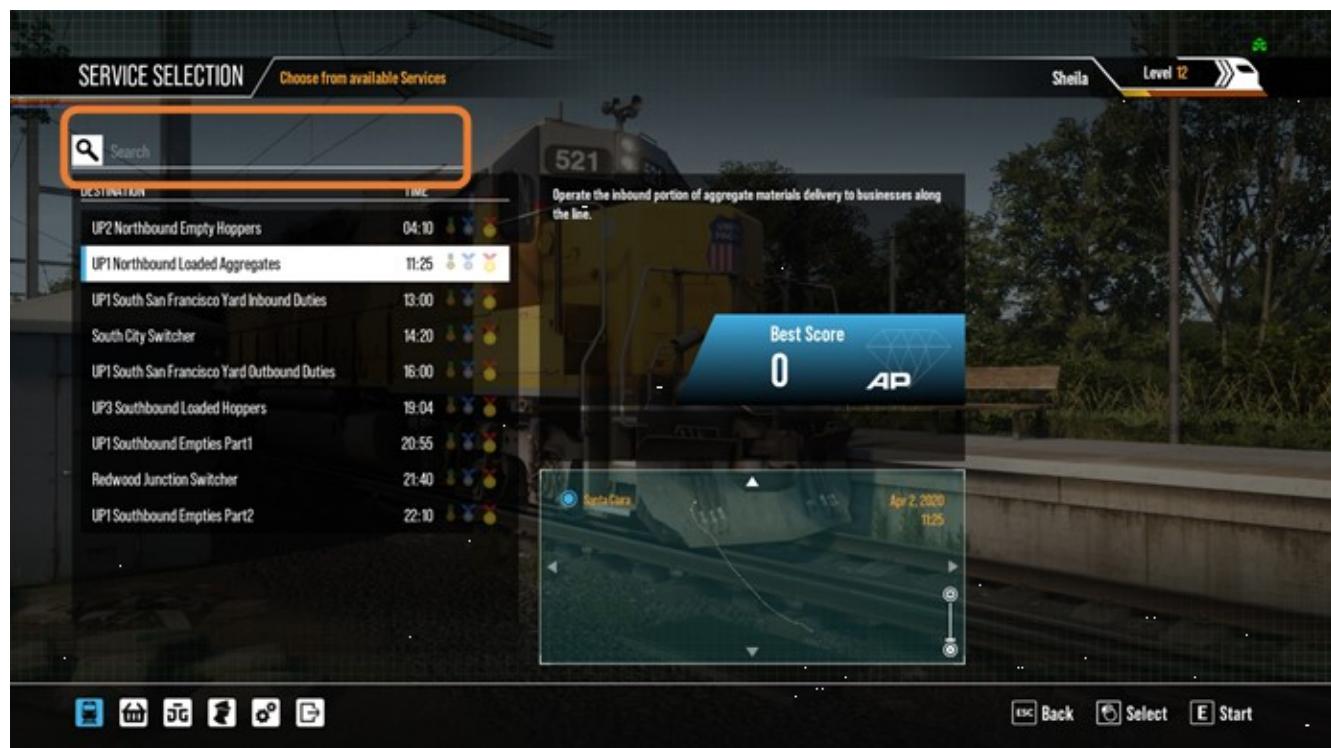


Figure 7 Search/filter option timetable mode

7.5 Journeys

In TSW2020 Journeys are introduced as a new feature. A journey is a set of tasks, spread over approximately 24 hours. For TSW2 this is improved, at least for the new routes, so there is more variety. A Journey comprises of a set of tutorials, scenarios and timetable services in an ordered way. For the timetable services you cannot select the weather type. Originally it was heavily focussed on a specific loco, the new journeys gives you more of an experience, starting simple and then do the more challenging drives (at least, more or less).

Tip: There is a new setting that makes TWS2 start the next Journey automatically after each drive. You can turn this on or off as you like. Be aware that there is a bug, it blocks resuming from a the last checkpoint, so passing a red signal at danger is really fatal then.

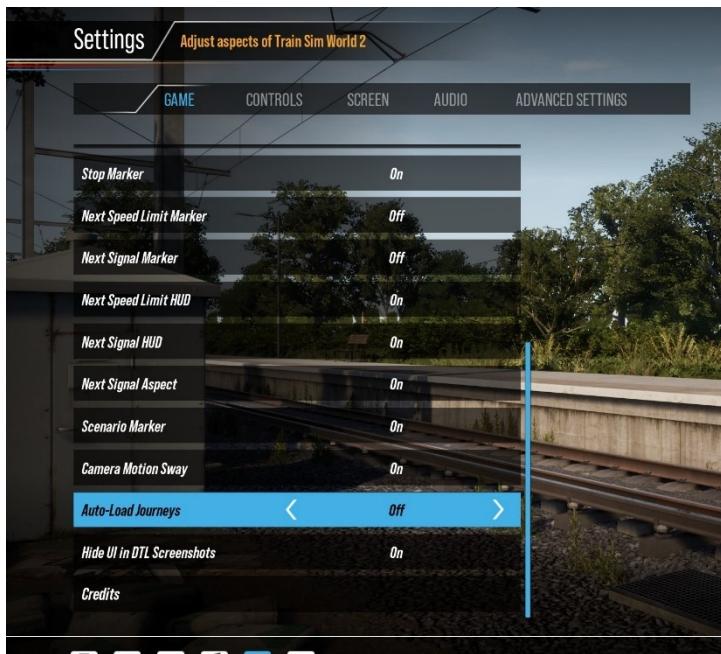


Figure 8 Setting for autoload next journey.

7.6 Progress views

If you press the key **T** during gameplay, you see an overlay that shows game progress. In TSW2020 you could scroll through the list, but this function is removed, because it may interfere with the controls in your cab.

Pressing again makes it vanish.

The escape key pauses the game and brings up a lot of functions that may be useful. It gives access to the settings, save game, return to the main menu and the new functions that show you the actual status of your current drive:

- General information, train length, train weight, actual location
- Schedule with all instructions for this gameplay
- Adherence to sped limits and stopping accuracy
- A log of all communications and instructions

This really is an awesome addition to the game.



8 Rewards

8.1 Introduction

TSW2 has a number of features to “reward” you for experience. Over time this has been extended a lot. Now we have:

- Action points
- Levels
- Journeys
- Medals
- Tasks (Collectables)
- Achievements
- Mastery
- Challenges

Note: Mastery and Challenges are not yet implemented for TSW2. It is at the roadmap.

None of these have any impact on the actual gameplay. Only Mastery rewards you with a little bit additional scenery and task will change a little bit what the game looks like (only scenery). So, if you do not like them, ignore them.

8.2 Action points

The core system are Action Points. For certain actions in game you are rewarded with points. These points are added at the level of your avatar, engine and route. While you collected enough points you get a higher level. This looks nice and may encourage you to gain more experience, but the system is poorly designed and little thought was given to balance to points. In the next table I reconstructed more or less an overview of how to get points:

Stopping at a station	500	You get less points for stopping too far away from the stopping point, but you need to do it very bad to get less than 400 points.
Driving under speed limit	30	Distance driven based. I think you get around 200 points per mile
Driving max 2Mph above speed limit	15	
Driving more than 2Mph above speed limit	0	
Coupling or uncoupling	250	
Loading a wagon	9	
Unloading an wagon	13	
Go via point	250	
Stopping properly	500	Points are deduced depending of the actual stopping distance versus the indicated spot.
Pick up passengers	500	Points are deduced for arriving late, but you will get a minimum of 250 points

Contrary to TS2020 you will not get points subtracted, so no need to be afraid you end with a points total below zero. The points will be added to your avatar, route and engine experiences. Each of them will level up each time you collected a number of points. There is no competition, so you just do it for yourself.

If want to get a large number of points, you need to play stopping passenger services. Peninsula Corridor may reword you with up to 25.000 points for a single all stops drive. In contrast, a freight service may reward you with no more than 4000 points, if there are no intermediate stops or go via instructions.

8.3 Levels

A number of Action Points builds op to a level. There are levels for avatars, routes and engines. There seems not be something like a highest level and unlike TS2020 levels are not published. So, no need to work on getting a higher level. Levels may give access to Mastery levels and Achievements though.

8.4 Journeys

A Journey is a collection of tutorials, scenarios and timetable services. Once completed a Journey it is registered, just like completing all scenario's, tutorials and services. This does not always work properly, be warned.

8.5 Medals

The number of action points has an upper limit for each drive. In addition to the action points, you get a medal if you managed to complete a drive successfully.

Medal	Requirement
Gold	Over 90% of achievable points
Silver	Over 70% of achievable points
Bronze	Over 50% of achievable points

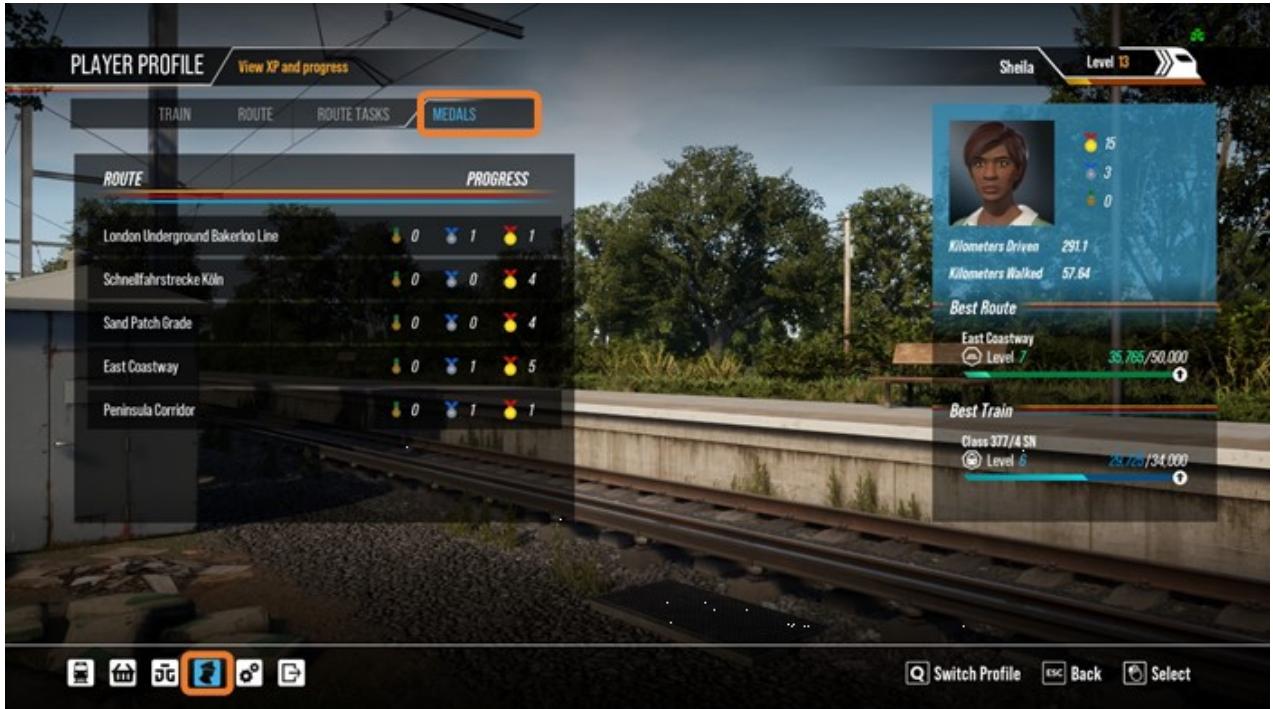


Figure 9 Overview of medals

At the overview page for each route, you cannot see the amount of medals you collected, but at the old player profile pages, a new tab is added to show the number of medals. Note that it is not always possible to get a gold medal.

8.6 Achievements

Achievements are rewards that are managed by steam. You can see an overview at the product page. Contrary to TS2020 no information on achievements is given in game, you need to consult steam to see your progress. Achievements are just for the honour, you do not get any rewards. In TSW2020 they were bugged seriously, but some work has been done to improve this. We need to see if this helped.

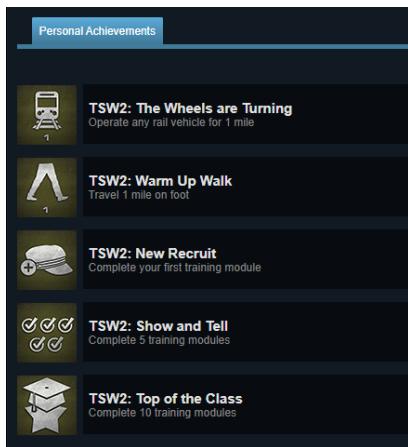


Figure 10 Achievements details page at steam

8.7 Mastery

Mastery is not yet implemented in TSW2. Coming soon.

Recently DTG introduced Mastery. Mastery gives you a number of activities to complete and you get some (small) rewards. In order to use Mastery you need to login with Dovetail Games Live. You can get an account at the DTG website. In all manuals this is documented.

The rewards come at two levels. If you complete the first level, you get an additional static loco display you can choose. For the second level you can add an enhanced scenery tile to the route. Examples are balloons, a fair and some others.

8.8 Challenges

Challenges are not yet implemented in TSW2. Coming soon.

Challenges work similar to Mastery, but here the whole community may gain a reward for completing a task within a given period of time. Rewards until now are background screens or stuff like that. Nothing to get very excited about. I did not see new challenges during last half a year, but now, June 2020 there are two, because “we” completed the first one very fast. It is something with driving a lot of miles ...

8.9 Tasks/collectables

When in walking mode you can perform four different actions and get an achievement if you complete each.

Note DTG decided to rename **Collectables** to **Tasks** starting with TSW2020, but also the term **Jobs** is used. I use them in a mixed way and in the game guides you probably will find the term Collectables still to be used a lot.

You do not need to do anything, just get near enough...



Figure 11. Collectables for Sandpatch Grade

For TSW, unfortunately not all steam achievements for tasks are properly implemented. DTG overhauled the implementation of steam achievements for TSW2, so hopefully they work better now.

In the menu you can see your progress at the in game player profile page.

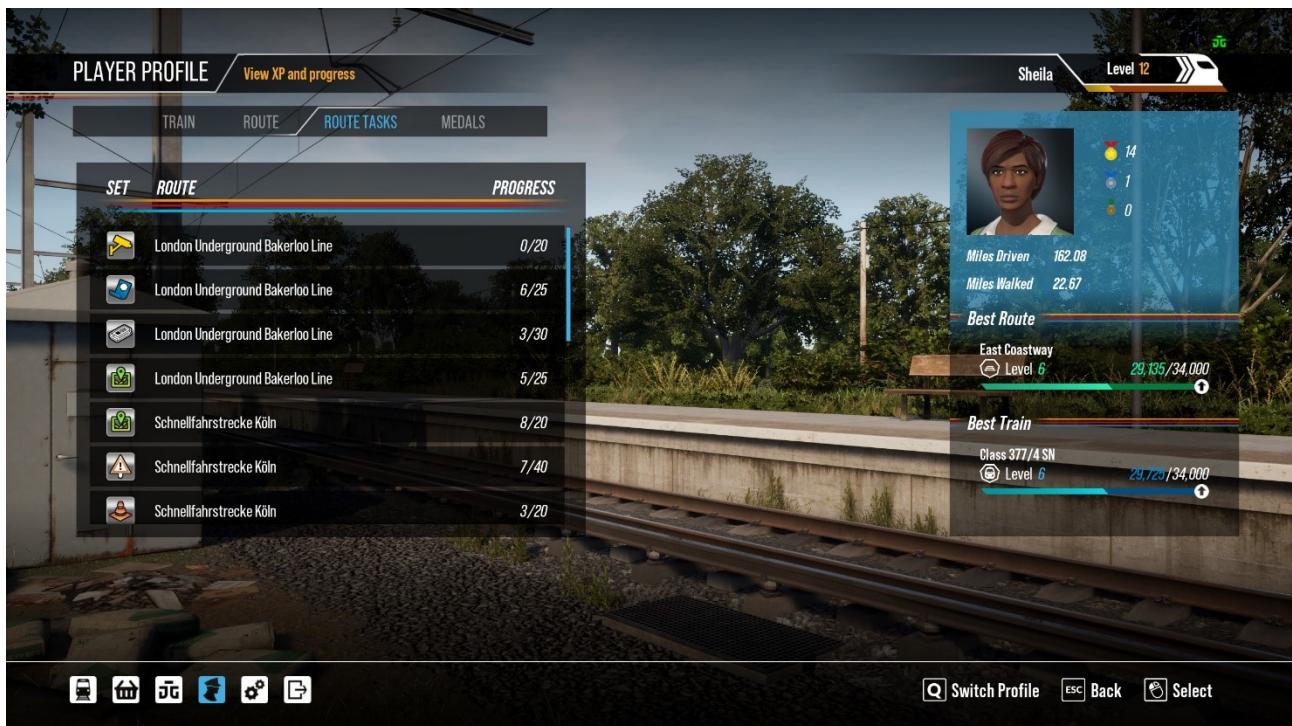


Figure 12 Task progress in player profile

At steam, for many routes user guides are available to help you find the collectables. A direct link to these community guides for TSW:

https://steamcommunity.com/app/530070/guides/?searchText=&browsefilter=trend&browsesort=creation_order&requiredtags%5B%5D=Loot&requiredtags%5B%5D=-1

I assume the same will happen for TSW2.



9 HUD settings

The HUD is to a high degree configurable. You can do this both during gameplay using the keyboard, or by changing the settings in the settings menu.

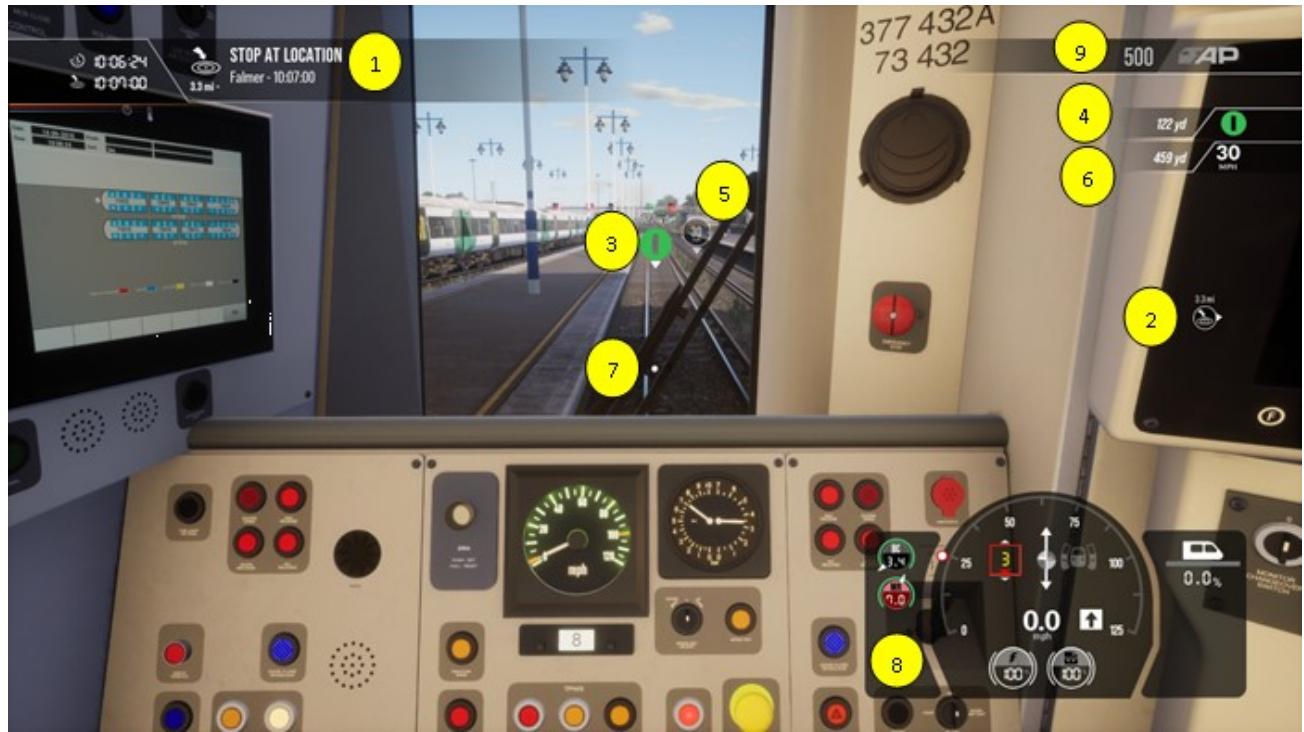


Figure 13 All separately switchable elements in the HUD

The HUD (heads up display) is an overlay on the game screen to provide you with additional information. Essentially the HUD has two display styles:

1. Markers, showing you destination, next signal and next speed limit in the landscape ahead of you
2. HUD version, text blocks showing the information on screen

In Figure 13 all elements are shown and most of them of them can be turned off individually. The numbers below refer to the numbers used in the screenshot. The names refer to the names that are used in the settings menu.

1. **Objective HUD**, which shows your next task. It also shows the distance to the next driving task, the scheduled arrival time and the actual time. You cannot turn this off individually
2. **Objective distance marker**, a floating target that shows where to go. It is possible to assign a number of tasks where you need to determine the order yourself (e.g. release all brakes). In that case you will see more than one objective marker.
3. **Next signal marker**. As shown here, it also shows the signal aspect. You can turn that off.
4. **Next Signal HUD**. The HUD element that shows the distance to the next signal. It also can show the aspect, as shown in the screenshot.
5. **Next speed limit marker**, shows the next speed limit distance and location.
6. **Next speed limit HUD**. The HUD version of the next speed limit
7. **Reticule Centre dot**. This is a focus point for the mouse. If you right click at the mouse, it will fix itself, which makes it easier to set a control. You can turn the visibility on or off.
8. **Speedometer HUD/compass**
9. **Score Marker**, show your actual score for this drive
10. **Notifications**. (Not shown) if you activate a control, at the right of the screen a text shows the present value.
11. **Button Prompts**. This shows a text with each control in the 3D world. This is useful because it tells you whether the control is functional. Many controls are not documented at all ...
12. **Stop Marker**. A colored track, starting red and ending green to give you guidance where to stop your train. (See Figure 14)
13. **Frame rate** (not shown)



Figure 14 Stop Marker

There are two ways to turn HUD elements on or off. You can use the Settings menu, which you can access at several locations, including through the Pause men (press **Esc** to enter this menu). For a number of settings

there are key binding you can use to toggle the setting. This works quite well, except for cases where the effect is not immediately visible, like with the Stop Marker.

Nr	Element	Key	Setting?	Comment
1	Objective HUD		No	
2	Objective distance marker	Ctrl+1	yes	
3	Next signal marker	Ctrl+3	yes	
4	Next signal HUD	Ctrl+4	yes	
	Next signal aspect		yes	
5	Next speed limit marker	Ctrl+2	yes	
6	Next speed limit HUD	Ctrl+4	yes	
7	Reticule centre dot	Ctrl+8	no	
8	Speedometer HUD	Ctrl+5	no	
9	Score marker	Ctrl+6	no	
	Notifications		yes	
	Button prompts		yes	
	Stop marker	Ctrl+7	yes	
	Frame rate	Ctrl+F3	No	
	Whole HUD	F1	No	
	Schedule	T	No	Shows the schedule as an overlay

Note: Ctrl+4 cycles you through setting the Next speed limit and Next signal settings. Make sure to do this while these elements are visible, because you do not get feedback.

Note: For ctrl + 5 (hud), ctrl +6 (score), ctrl+ 8 (reticle), you may need to change the key bindings, because on some keyboard, when you type ctrl+5 it understands ctrl + (

Tip from [dark-rabbit](#)



10 Key bindings

10.1 Camera keys

The cameras work different from what you are used to in TS2020. The “**Boom camera**” replaces the front and rear view, the head out camera works only for the right window.

The Float camera is a new camera, that allows more freedom.

The key bindings for the camera are still a mess. You need keyboard, mouse and XBOX controller to be able to use all possibilities and there still are a number of bugs.

Description	Key	XBOX	Comment
Set cab camera	1		
Head out camera	→		From cab camera
Back to cab camera	←		From headout camera
Set instrument camera	←		From cab camera, detail view on instrument board
Back to cab camera	→		From instrument camera
Boom camera	2		This camera is intended to follow the train. By pressing the key multiple times you can switch from front to rear.
Floating camera	3		Same as Boom Camera, but you can now look in any direction
Free camera	8		Move anywhere, though it works more like the 4-key in TS2018. The zoom and altitude functions are not working properly.
Go to 2D map	9		Press again to go back to 3D
Return from 2D to Pause menu	Esc		
Move to next rail vehicle	Ctrl + →		For Boom or Floating camera

Move to previous rail vehicle	Ctrl + ←	For Boom or Floating camera
Moves to next cab	Ctrl =	I think this is not yet working properly, so be careful. Because TSW supports true multiple units it may have unanticipated consequences when you are driving. It doesn't bring you to engines at the other end of the train, only adjacent engines.
Moves to previous cab	Ctrl -	I think this is not yet working properly, so be careful. Because TSW supports true multiple units it may have unanticipated consequences when you are driving. It doesn't bring you to engines at the other end of the train, only adjacent engines.
Exit cinematic camera	Enter	I found this instruction in the input mapper file. It seems not to be functional.

Tip: if you are in cab view(key 1), you can use the left and right arrow key to cycle along a number of submodes. This is very handy, because you will pass the gauge panel, radio, switch board, fuse box etcetera. The implementation is dependent on the loco type.

10.2 Walking keys

Command	Keyboard	Mouse	Comments
Walk forward	W, ↑		
Walk backward	S, ↓		
Toggle run/walk	Numlock		Keep it pressed. Use the game options menu to set the default
Toggle head light	L		Very useful in tunnels or in a dark cab to find the cab light switch
Toggle crouch	C		
Change game mode/climb	E		E.g. climb on the train, sit in the driver seat ...
Interact			
Move side wards	A,D, ←→		
Turn			A bit primitive but you can look into other directions using the mouse
Zoom			

Tip: you can change walking or running as a default in the game settings.

10.3 Driving keys

Description	Keyboard	Comment
Change reverser	W	For setting the reverser you may either need S or W, depending on the engine you drive
Change reverser	S	For setting the reverser you may either need S or W, depending on the engine you drive
Increase throttle	A	Status is shown in the HUD, but not in braking mode for the combined power handle in the AC4400CW
Decrease throttle	D	Status is shown in the HUD, but not in braking mode for the combined power handle in the AC4400CW
Cruise control on/off	Ctrl+R	
Cruise control increase	R	
Cruise control decrease	F	
Gear increase	Ctrl+A	
Gear decrease	Ctrl+D	

Tip: for easier driving, rebind the gear to Page Down and Page Up. For German trains that also support PZB you need another combination. It makes driving a lot easier than the default.

Also mentioned: Ctrl+A and Ctrl+D to set the Tap changer. I do not think this is used, you can use A and D instead.

10.4 Braking keys

Command	Keyboard	Comments
Decrease independent brake	[Independent brake may have another name depending on the engine, it is the brake you use when driving as a light engine.
Increase independent brake]	
Decrease automatic brake	;	Also named Train brake or Driver brake
Increase automatic brake	'	
Decrease dynamic brake	,	Also named electric brake
Increase dynamic brake	.	
Emergency braking	Backspace	
Release emergency brake	Shift+Backspace	
Hand brake	\	Also named parking brake
Release hand brake	Shift+\	
Set brake to lap	/	Not yet tested

10.5 Light keys

Command	Keyboard	Comments
Switches to next headlight state	H	This function is not always used consistently. For a finer control, you better use the switches inside the cab, when available.
Switches to previous headlight state	Shift+H	This function is not always used consistently. For a finer control, you better use the switches inside the cab, when available.
Switches to next tail lights state	Ctrl+H	
Switches to previous tail light state	Shift+Ctrl+H	
Toggles cab light	L	In some cases you need to use Shift+L to decrease The key may have some side effects
Cab light decrease	Shift+L	
Toggles instrument lights	I	In some cases you need Shift+I to decrease The key may have some side effects, e.g. turn on a reading light. For the BR155, please consult the Ruhr-Sieg Nord Route guide for all wonderful details.
Toggles both step lights and platform lights	K	Only for the engine you are currently driving. Applies to US engines only
Toggles ditch lights	J	Only for the engine you are currently driving. Applies to US engines only

Dependent on the engine you drive, it may be better to use the physical controls or the light configuration switches you may find somewhere in your cab. The key bindings for light are a bit rough and not very subtle.

10.6 Safety systems keys

Command	Keyboard	Comments
Request permission to pass signal at danger in forward direction and open close doors for passenger trains	TAB	The TAB Key DOES work as advertised in asking permission to pass signal at danger but you will be denied by the dispatcher UNLESS your route can be connected to your objective by the dispatcher.
Request permission to pass signal at danger in backward direction	Ctrl+TAB	Not documented, not yet seen, I guess this exists
Toggle Alerter isolated	Shift+Numpad Enter	
Toggle safety functions isolated	Ctrl+Numpad Enter	
Reset alerter/fault	Q	This key is widely used to acknowledge any alarming sound, which includes alerters, PCS, AWS and maybe more
PZB Acknowledge	Page Down	For PZB you should consult the Signalling and Safety Systems Guide
PZB Clear	End	
PZB Override	Del	

The key bindings may have a rather rough effect. In general I recommend to use the controls in the engine to set up safety systems properly.

10.7 Setup keys

Command	Keyboard	Comments
Engine start	Z	Used for diesel engines
Engine stop	Shift+Z	
Toggle master key	Ctrl+W	The master key may have different names
Master Key off	Ctrl+Shift+W	Seldom used, if ever
Pantograph raise/toggle	P	You may need to select a pantograph first. Not seen that function has a key binding
Pantograph lower	Shift+P	
Circuit breaker	Ctrl+P	Never used this key binding
Circuit breaker off	Ctrl+Shift+P	Never used this key binding

This section is a bit arbitrary. There may be more steps needed. Most of them are not bound to a key, which is not a big problem. You also may need to go to another cab to do some settings, or even outside the engine.

10.8 Other keys

Function	Keyboard	Comment
Sander	X	You need to hold the key
Lead axle sander	Ctrl+X	You need to hold the key, needs confirmation
Increase wiper speed	V	
Decrease wiper speed	Shift+V	
Change to other game mode	E	See section Fout! Verwijzingsbron niet gevonden. for a more detailed explanation.
Toggle bell	B	Not all locos have a bell
Horn (high tone)	Space bar	You need to hold the key to continue sound. For some locos the key bindings for high and low horn have been mixed up.
Horn (low tone)	N	
Couple	Ctrl+C	Not checked if this actually is used. It may be used for automatic coupling Multiple Unit trains
Uncouple	Ctrl+Shift+C	
Coupler Lock Front	Ctrl+C	No idea what this actually does
Coupler Lock Back	Ctrl+Shift+C	
Open/close doors	TAB	This will bring up a menu, that allows you to open doors.



11 Game settings

Warning: I used an NVidia 660GTX which is underpowered, but it worked. After about 200 hours playing TSW the card was defect. It is possible that that it was overcharged, so be careful if your system does not meet the requirements!

11.1 Sound settings

All sound volumes can be set with a slider in a range of 0 to 100%. At least some people complain this is not loud enough and sounds are hardly audible (partly true, but maybe you don't want to turn up the volume of your speakers too much for a single game).

It is possible to set higher values, but then you no longer can use the in game settings menu to adjust the sound volumes. A better option is turn the volume of your speakers a bit up. My feeling is that the overall volume is set a bit low.

Setting	Description	Comment
Master volume	Basic sound volume	
Ambient volume	Surrounding scenery sound level	
Dialog sound volume	Volume for dialogs	
Main Menu UI volume	No idea what this doing exactly	
External Alert volume	Plays sounds for alerters and safety device while you are not in the cab	
SFX volume	SFX stands for sound effects	
Window Audio Focus	No idea what this is doing.	
Subtitles	Turns subtitles on or off in scenarios	Kee this on if you turn off dialog sound. For some routes there is no dialog sound, so you may miss some information if you turn this off.

11.2 Screen settings

Setting	Description	Comment
Screen Resolution	This one sets the screen resolution	Best is to make it match the resolution Windows recommends
Window Mode	The way the game is displayed on your screen	Best choice is Windowed FullScreen
VSync	Synchronizes the graphics card with the monitor.	Keep it off if you limit the frame rate below 60fps.
Anti-alias method:	Way to reduce image artefacts	FXAA is generally recommended.
High Screenshot quality	This sets the screenshot quality to a max, which may consume a lot of disk space	
FPS limit	Sets a limit to the frames per second rate	Higher fps especially makes fast moving stuff look better. A very high fps may cause trouble

A somewhat technical discussion on VSync: http://www.tweakguides.com/Graphics_9.html

As far as I understood, if you have a very high fps (above 60) you may try to turn it on if you experience distortion, otherwise leave it off.

11.3 Game play settings

In this section a mix of settings that influence game play is presented.

Setting	Description	Comment
Run/walk	Sets how fast you walk in first person mode	Set it in the settings menu, but you can override the setting in game
Disable junction derail	If you set this to true, the game will not complain about junctions that are set wrong	This horrible UI design because it is stated as a negative instruction. Think twice before you set this!
Measurements	Sets unit system to imperial (Mph) or metric(km/h)	The value Automatic will switch depending on route you drive
Grade units	Sets the way grades are represented in the HUD either a division or a percentage	The value Automatic will switch depending on route you drive
Temperature units	Degrees Celsius or Fahrenheit	Not relevant, it is not actively used in the game. The value Automatic will switch depending on route you drive
Camera Motion Sway	Turns cab sway on or off	Use this setting according to your preferences.
Auto-Load Journeys	Load next Journey game play automatically when you finished a journey	Confusing for many users.
Hide UI in DTL Screenshots	Prevents you to clobber Dovetail Live screenshots with HUD functions	See also chapter 12.2

11.4 Advanced settings

There are number of advanced setting, mainly generic for the Unreal engine. You can find a list here: <http://www.kosmokleaner.de/ownsoft/UE4CVarBrowser.html>

[pschlik.572](#) created an excellent guide on this topic. Most of what I have written in this section comes from his information and experiments.

<https://forums.dovetailgames.com/threads/a-guide-to-engine-ini-settings.4672/>

Setting	Description	Comment
Eye Adaptation	If you set this, the game will try to adapt to the behaviour of your eyes. It may cause a very leak overexposed dashboard. You can turn this off.	Use ToolkitForTSW or edit the engine.ini file
Low Material Quality	Set its value to 0 to improve rendering of grass, low fps impact	Use ToolkitForTSW or edit the engine.ini file
Screen percentage	You can set this below 100% for a better performance. I think you best don't touch it	Use ToolkitForTSW or the in game settings
View distance scale	Determines how far away objects will be rendered. A value of 5 seems to be optimal.	Use ToolkitForTSW or edit the engine.ini file
Motion blur	Motion blur is intended to give a sense of high speed, which looks horrible at low speed. It is default on, but you can turn it off in game. Unreal supports several levels of motion blur	In game: on or off only with the keyboard. In engine.ini or with ToolkitForTSW you can set it at any supported level.
Foliage distance	Makes trees and bushes look better at some distance. A value of 3 is recommended.	Use ToolkitForTSW or directly in engine.ini
Gamma correction	Allows to define where the value 0.5 in the color channels is mapped to after color grading (This is similar to a gamma correction). Value should be around 0.5, smaller values darken the mid tones, larger values brighten the mid tones, Default: 0.5	In engine.ini, using r.Color.mid.

Note: **ViewDistanceScale** can be set from the game settings, but it will have a value up to 3. I am not sure if and how this interferes with the Unreal setting. Probably the safest way of working is to keep **ViewDistance** in the GameUserSettings.ini in sync with this value. ToolkitForTSW will take care of this for you, if you use ToolkitForTSW to manage the settings.

There are many more settings, but these ones seem the most useful for starting players.

11.5 Where to change settings

There are number of way you can change these settings. Each way is different in what you can set and how easy you can adapt the changes.

- In game settings menu: you can access this at any moment during gameplay and the good news is that all settings will be active right away. So, this is very powerful to play with the settings and see the effects right away.
- Keyboard mappings: you can remap the keys and this will have effect right away. You only can do this from the menu in the game.
- In game, using key combinations
- Change the .ini files: you can directly edit the .ini files. The settings will be effective after a restart of the game and you must avoid typing errors of course.
- Use ToolkitForTSW: better than editing the .ini files, you can use ToolkitForTSW. ToolkitForTSW supports all settings except keyboard mapping. And allows you to make backups of the .ini files as well.

Notes: you find the .ini files in a folder below the Documents folder: \Documents\My Games\TrainSimWorld2\Saved\Config\WindowsNoEditor



12 Advanced topics

12.1 Preserved collection

12.1.1 What is preserved collection

Preserved Collection is a complex topic and relates to a large number of questions. For the predecessor of TSW2, DTG created a number of DLC. For TSW2, DTG essentially made copies of most of these DLC and then adapted the copy to work with TSW2. From moment this is done, you have a new TSW2 DLC, which may look like the original DLC, but is completely unrelated. If you own TSW2, you may find two copies of each of these DLC.

You still can buy the TSW2020 DLC and, if you own TSW2 you will get the TSW2 version for free. This also holds if you buy TSW2 later.

You also can buy the TSW2 version of this DLC, but in this case you will **NOT** get a copy of the TSW2020 DLC.

DTG announced they will stop all development on TSW2020, including bug fixes. They did not say there will not be any bug fixes or development for the TSW2 versions of these DLC. At the moment some fixes are on the roadmap. These fixes will only be applied to the TSW2 versions as far as decided up till now.

12.1.2 Status overview of TSW2020 DLC

In Figure 15 an overview of all TSW2020 DLC. Most of them have the status Preserved Collection in TSW2, which means that following restrictions apply:

1. You cannot create liveries for the engines and wagons.
2. Adhesion physics is implemented in a minimal fashion, just to make it work. You will experience adhesion issues in bad weather though.

This does not mean they are no longer interesting to drive, you will have minimally the same fun as with the TSW2020 version and they will benefit from the Scenario Planner and improved HUD.

12.1.3 Why would you still play TSW2020?

I can think of a number of reasons why you still may want to play TSW2020:

1. You still like to play the NEC route or the old Sandpatch route.
2. TSW2 has bugs that are not in TSW2020 (definitely true for most preserved collection routes)
3. You prefer the old HUD
4. You think TSW2 is not (yet) worth the money

You can do so, and if you own NEC this may be a reason to keep TSW2020 installed.

Routes					
Name	Acronym	Country	Traction	TSW2 preserved collection?	Comment
Heavy Haul	HH	USA	diesel	No	Full featured remake for TSW2
North-East Corridor	NEC	USA	electric	No	Not available for TSW2
Long Island Railroad	LIRR	USA	electric, third rail	Yes	
Peninsula Corridor	PC	USA	diesel	Yes	
Great Western Express	GWE	UK	diesel	Yes	
Northern Trans Penninge	NTP	UK	diesel	Yes	
Tees valley Line	TVL	UK	diesel	Yes	
East Coast Way	ECW	UK	electric, third rail	Yes	
Rapid Transit	RT	DE	electric	Yes	
Ruhr-Sieg Nord	RSN	DE	electric	Yes	
Main_Spessart Bahn	MSB	DE	electric	Yes	
Rhein-Ruhr-Osten	RRO	DE	electric	Yes	
Hauptstrecke Rhein-Ruhr	HRR	DE	electric	Yes	
Oakville Subdivision	OS	CN	diesel	Yes	
Locos					
Name	Base route	Country	Traction	TSW2 preserved collection?	Comment
GP-40-2	HH	USA	diesel	No	Not available for TSW2
BR182	RT	DE	electric	Yes	
BR155	RSN	DE	electric	Yes	
BR204	MSB	DE	diesel	Yes	
M3	LIRR	USA	electric, third rail	Yes	
Heavy freight pack	NTP	UK	diesel	Yes	
Class 33	WSR	UK	diesel	Yes	
Class 31	TVL	UK	diesel	Yes	
Class 52	WSR	UK	diesel	Yes	
Class 20	TVL	UK	diesel	Yes	
Amtrak SW1000R	NEC	USA	diesel	No	Not available for TSW2
Caltrain MP36PH-3C 'Baby Bullet'	PC	USA	diesel	Yes	
Caltrain MPC 15 DC	PC	USA	diesel	Yes	

Figure 15 Preserved collection overview

Note: not all preserved collection DLC have been implemented for TSW2 yet. You may need to some patience.

12.1.4 Uninstalling TSW2020 DLC

If you still want to keep TSW2020, you may want to save disc space, by uninstalling most of the DLC. The first step is to open the game page in steam. At the right side of the screen, you see an overview of the DLC, see Figure 16. Click the manage DLC button. Now you can uncheck each DLC to remove in the Enabled column. If you need them again, later, check them again and they will be downloaded again.

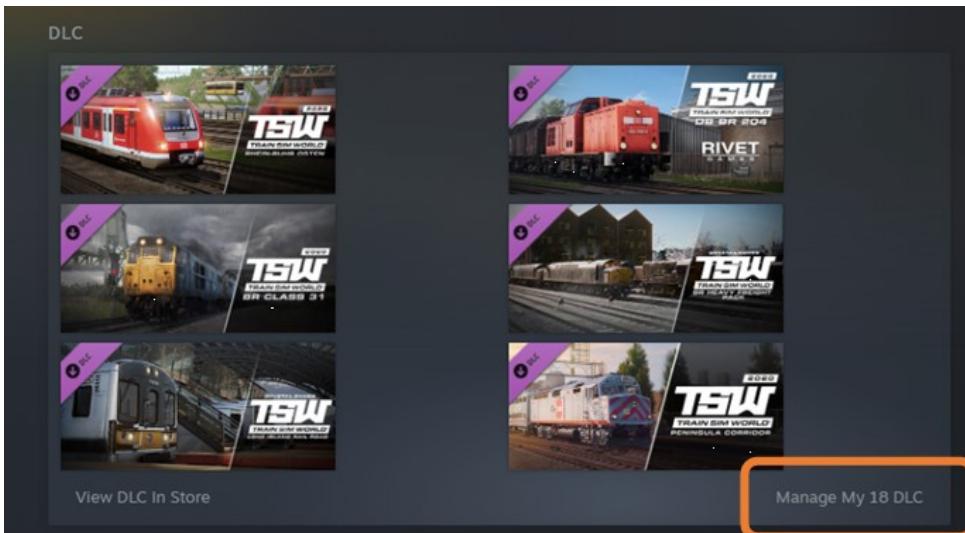


Figure 17 Steam list with DLC.

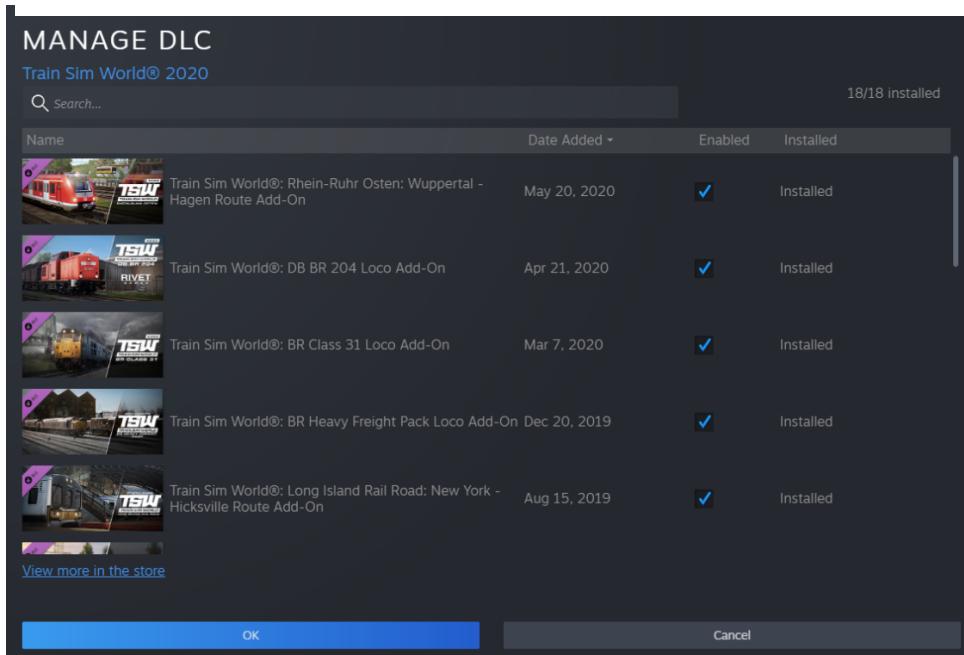


Figure 16 Manage you installed DLC.

Time tables

At this site you can find most time tables in an online version, collected with admirable patience!

<https://smtimetables.herokuapp.com/>

If you prefer PDF timetables, look here:

<https://forums.dovetailgames.com/threads/wonterails-service-mode-timetables.17878/>

12.2 Screenshots

You can take screenshots in three ways:

1. F12 key will make a screenshot including the HUD, which are uploadable to steam.
2. Ctrl+F12 key will make a screenshot but it will switch off the HUD and use a higher resolution.
3. Ctrl+F10 will create a screenshot that will be stored at your DTG profile page.

Screenshots made with Ctrl+F12 are saved in a folder under your “Documents” folder:

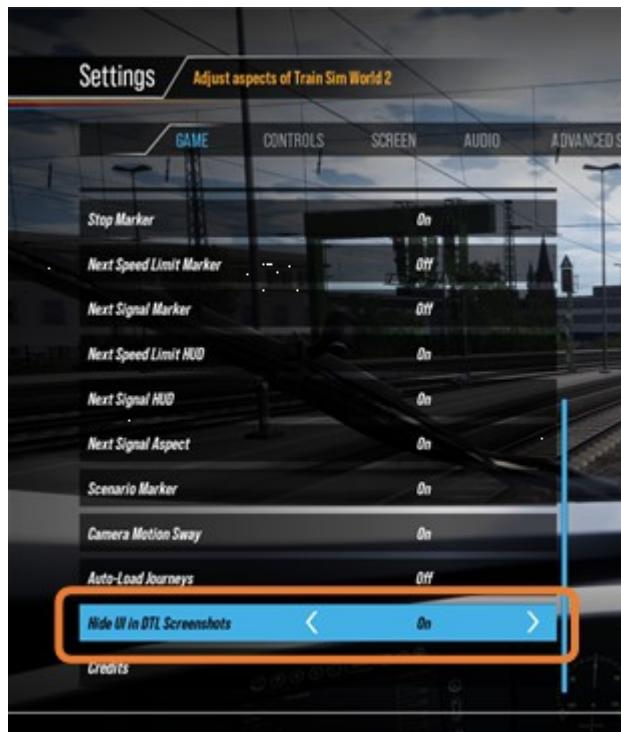
Documents/My Games/TrainsimWorld2/Saved/Screenshots/WindowsNoEditor/

In order to increase the confusion, screenshots created using F12 are stored here:

steam\userdata\<userid>\760\remote\1282590\screenshots

The part **<userid>** in the path is user dependent, so you need to find out the correct value by yourself. It is a numeric value.

Note: ToolkitForTSW has a function to view screenshots from both sources. You also can rename the screenshots. ToolkitForTSW is a free toolkit for TSW users. TSW2 version coming soon!



For the Dovetail Live screenshots, there is a setting in the settings menu. By default, screenshots are created with the HUD invisible. If, for whatever reason you want to show the HUD, you can turn on this setting:

Figure 18 Setting to include/exclude HUD for Dovetail Livescreenshot

According to the manual, when you are driving, you can make a Dovetail Live screenshot or videoclip using the XBOX controller, however this does not seem to work at a PC:

Take Screenshot >

Take Video Clip >

The PS4 controller only has a button to create a screenshot:

Take Screenshot SHARE

12.3 YouTube videos

Recently DTG has introduced weekly streaming sessions. Some for TSW2 and some for TS2020. Though I generally prefer to play myself, these streams are good chance to get some additional information and driving tips or they are just fun to watch.

The streams will be announced here:

<https://forums.dovetailgames.com/forums/announcements.73/>

You can view them at YouTube or Twitch.

<https://www.youtube.com/channel/UCvdG4CxeXdKlw-p99eyn4WQ>

Starting time is always 19:00 UTC.



TRAIN SIM WORLD 2

T Train Simulator

HOME VIDEO'S PLAYLISTS COMMUNITY KANALEN OVER 

 **Train Sim World 2 | Schnellfahrstrecke Köln-Aachen**
Train Simulator • 63K weergaven • 1 maand geleden
Sleek modern design and beautiful classic engineering meet across one of Europe's most impressive Railways. Feel the thrill of high-speed inter-city German rail as you push the throttle and climb s...

Train Sim World 2 ► ALLES AFSPELEN

Master iconic locomotives on high-speed services, long freight hauls or precise commuter traffic, and get creative with customisation tools in this advanced sequel. Climb into the cab in Train Sim

 **Train Sim World 2 | Bakerloo Line**
Train Simulator • 62K weergaven • 2 weken geleden

 **Train Sim World 2 | Schnellfahrstrecke Köln-Aachen**
Train Simulator • 63K weergaven • 1 maand geleden

 **Train Sim World 2 | Sand Patch Grade**
Train Simulator • 36K weergaven • 1 maand geleden

12.4 ToolkitForTSW

At the same download page where you find this starter's guide, you can download **ToolkitForTSW**, a toolkit for TSW2020 users. The TSW2020 version will be downloadable in future, but probably it will no longer be maintained.

At the moment it has limited functionality. In version 0.6 you can:

1. Unpack the core game and DLC
2. View game files
3. View key bindings
4. Manage user created scenarios
5. View and edit game settings
6. Save multiple game settings files
7. View and save all screenshots (both steam and DTG)
8. Manage livery paks.
9. Start TSW, with a selected game settings file and optionally turn railroad radio stations on.

More features are coming. For a download location see Appendix A.

12.5 Multiple units

The Sandpatch route heavily uses multiple units. Setting these up requires some relatively complex steps. You will find an explanation in the Route Guide for Sandpatch. This Route Guide is available from the download page hollandhiking.nl/trainsimulator



Figure 19 Enabling Banking for Sandpatch

An addition to the information above. If you have a third engine pushing the end of the train, you need to establish communications with this engine. This is called **Banking**. For Sandpatch Grade, you turn it on using the **DISP** button at the radio console.

12.6 Starting on a grade

If you need to stop at a steep grade, it may be hard to get driving again. In general, you can proceed as follows:

1. Apply the loco brake. This holds the train at the spot
2. Release the train brake and wait till it is completely released.
3. Apply a small amount of power, 10-20% but avoid wheel slip.
4. Sanding may help as well
5. Once you see the power increase, gradually release the loco brake

12.7 Sandpatch driving issues

When driving Sandpatch, be aware that the startup procedures are changed a bit with respect to TSW2020. Play the tutorials and consult the quick start manual.

12.8 Take control of a train

Every AI train has its physics simplified, in order to improve performance of the game. Therefore, you need to sit in the driver seat before setting up the engine. This tells the game engine that your train is the player train.

For passenger trains, you can take control by sitting in the driver seat as long as the train is stopped. If it starts moving, you need to wait till the next stop.

12.9 Turntable

In order to use the turntable, you need to sit down. Then you first unlock the turntable and then turn. Lock the turntable again and continue your journey.

Anyone else struggling to turn on the monitor in turntable tutorial? Neither mouse click or W-key working for just this.

Solution: First you have to right click on the mouse for interactive options! This is a general procedure if you want to use the mouse to set controls.

12.10 Switching liveries

Some engines can be used in two different liveries. You can choose your livery in this way:

At the services tab, you select one of the engines. Now at the bottom of the screen you see the key Q appear.

Press Q and you see both liveries.

Secret tip: in one of the updates of the GWE route DTG added a class 66 in EWS livery. You can select this one in services mode.

Note 1: choosing another livery may result in a different set of available timetable drives. For instance, at MSB banking drives are only available for the Railion version of the BR185.2

Note 2: At the LIRR route, the livery system is abused to allow you to select trains of different length. Handy, but confusing. It would be more natural to introduce different views on the available timetable drives.

12.11 XBOX controller not recognized

If you have used the mouse, TSW may think that you do no longer want to use the XBOX controller and you cannot use it for example to move in first person mode. In this case it works if you switch to the 2D map (key 9) and then go back to game using 9 again.

12.12 Hijack an AI service to bypass a stuck stop signal

Aergistal gave us this tip:

At the end of a 40 min scenario on the Main-Spessart I got the dreaded stop signal (denied, no route available) just before the final station. The culprit was another service that had no intention to leave (waited 10 min). So I ran the 1 km to the station and hopped aboard. There was already an AI driver and you were not allowed to sit, but you could still operate the controls. You need to set the Reverser to Neutral. Then the AI train proceeds and frees the blocked route.

<https://www.youtube.com/watch?v=tmRHknw8PvQ>

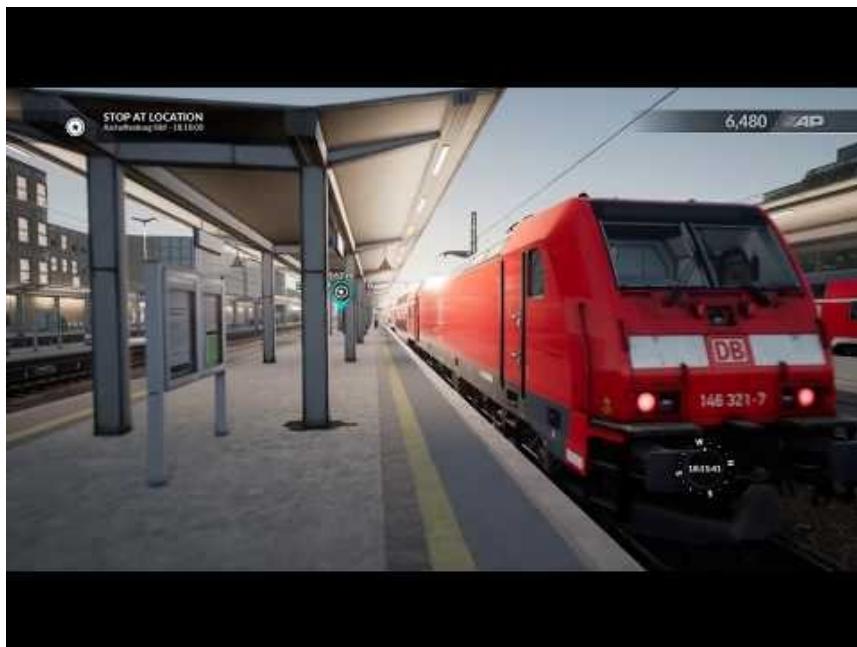


Figure 20 Unblock a blocked route after resuming a save

12.13 Climbing back at the platform

After a misstep you may end on track next to the platforms. Fortunately you can save yourself!



Figure 21. Climb back at the platform in GWE can be done at these locations.

You can either use the entries at the ends of most platforms or the steps at regular intervals along the platforms. To use the steps you need to use the E key or Y button at the XBOX controller. Not all routes have steps! For newer routes, you can climb back at any location, you do not depend on steps. It has been announced this will be implemented for all existing routes in future.

12.14 Train wash

Several routes have train wash facilities. I have not seen them animated and unfortunately they are not often used.

12.15 Train lights

Lights in the passenger compartments can be turned on or off in some trains, but not all. You can do this from the driver seat and for some trains from one of the coaches. Try it, or see the route guides for details.

The controls may have a fairly large variety in naming. Train Line, train Lights, Passenger Lights. For the UK Class 101, you can set them for the whole train or just for the coach you are in at the moment and there may be more variety. In most cases this is not documented, but it should be there.

Tip: At the Bakerloo Line you may notice passenger lights go out regularly for short periods. Very annoying for the passengers but well modelled. In reality at some points the third rail is interrupted and then the passenger lights are not powered.

12.16 Mods

Fortunately, it is still possible to apply mods. Developing mods is not so easy, but it can be done.

Installing Mods is very easy.

- Mods come in files of the **.pak** file type.
- You need to place them in the **Content/DLC** folder
- There is one restriction: you can only apply one mode for a certain functionality. If you installed multiple mods only one will be active.

- The mod will replace the TSW2 functionality completely, for instance if you install a mod for a livery, you can no longer access the original livery.

ToolkitForTSW has a tool to manage installation of mods and you even can combine this with a far more customized game startup procedure.

I will not discuss here all possible mods, but some are general and useful.

This mod improves the accelerator bar and changes the circle back to a simple line.

<https://forums.dovetailgames.com/threads/download-patch-accelerometer-stability-meter.28289/>

Well, I cannot resist this link, which points to a number of nice additions for Bakerloo Line:

<https://forums.dovetailgames.com/threads/mod-download-bakerloo-line-enhancements.27406/page-2#post-188788>

12.17 Unpacking game files and change the key bindings

Do it in the easy way by using ToolkitForTSW or by the hard way described below.

First you will need an Unreal Engine Account from

<https://www.unrealengine.com/>

Download the UE4 Engine, Unreal Engine 4.21 (this version is compatible with TSW2) and install it.
Navigate to the Unreal Engine 'UnrealPak.exe' file, that should be found here

C:\Program Files\Epic Games\UE_4.21\Engine\Binaries\Win64\

Open a command prompt, e.g. right click empty space in the directory and select '*command prompt here*' from the context menu.

Click on your command prompt window and either type or copy this command into it.

```
UnrealPak.exe <filepath>\WindowsNoEditor\TS2Prototype\Content\Paks\WindowsNoEditor.pak -extract
```

where <filepath> refers to the path where you installed TSW.

For DLCs you need to look into the DLC directory, where you will find one single .pak file for each DLC.

<filepath>\WindowsNoEditor\TS2Prototype\Content\DLCS

For UnrealPak, the commandline options are given below:

```
-Test test if the pak file is healthy
-Extract extracts pak file contents (followed by a path, i.e.: -extract D:\ExtractedPak)
>Create=filename response file to create a pak file with
-Sign=filename use the key pair in filename to sign a pak file,      or: -
sign=key hex values separated with +, i.e.: -sign=0x123456789abcdef+0x1234567+0x12345abc
where the first number is the private key exponent, the second one is modulus and the third one is
the public key exponent.

-Signed use with -extract and -test to let the code know this is a signed pak
-GenerateKeys=filename generates encryption key pair for signing a pak file
-P=prime will use a predefined prime number for generating encryption key file
-Q=prime same as above, P != Q, GCD(P, Q) = 1 (which is always true if they're both prime)
-GeneratePrimeTable=filename generates a prime table for faster prime number generation (.inl
file)
-TableMax=number maximum prime number in the generated table (default is 10000)
```

Those parameters must be specified *after* the name of the pakfile, which is always the first argument. So, for example:

```
UnrealPak.exe filename.pak -extract D:\ExtractedPak
```

Note: You also can use the free ToolkitForTSW, much easier. See page 76 for how to get it.

12.18 Wind mills

Near Salisbury and Rockwood on Sandpatch there are some windmills. They are animated. In TSW2020 they were turning only if there actually was wind. Unfortunately, this feature is removed in TSW2, probly for performance reasons.

12.19 Platform information Systems

At the Bakerloo line, information is shown about the trains that will depart. However, this is based on a precalculated schedule from the timetable and it will not be updated if you are late. It also does not work with the Scenario Planner. It is a lats minute surprise we got because a DTG team and a bit of spare time to do something fun.

Other routes do not have this feature, but now the technology is in place, it probably will come for new routes and if we are lucky old routes will be updated.

12.20 Mirrors

Mirrors do not work. This is a limitation of the Unreal Game Engine. For the Bakerloo route, a solution is implemented that makes it looks a bit like the mirrors are working, but it is fake.

12.21 Adapting shaders:

It is possible to make colors in TSW look a bit different, maybe better to apply an additional tool called Reshade. There is a fairly complicated instruction in the DTG forums. I did not try this, but I mention it since it is there. Not sure if this still works for TSW2.

<https://forums.dovetailgames.com/threads/tsw-with-reshade.21305/>



13 Known issues

In this chapter I report issues I encountered or that were reported by other users at various locations.

13.1 Cannot start again after a stop

Not a bug, depending on the route and engine a number of different solutions apply:

- Make sure the Throttle is at the Idle or Off position.
- Wait a few seconds after closing the doors before you apply power.
- Make sure you did not engage the emergency brake. If so, consult the manual on how to solve this issue.

13.2 Lost game saves due to update

Your game status is stored in your documents folder. So, make sure to create a backup regularly, you may easily lose all game progress.

ToolkitForTSW has a backup/restore that will do this for you. ToolkitForTSW will be updated for TSW2 in near future.

13.3 Foreign keyboards

Initially there have been a lot of issues with non-UK keyboards. Most of them are solved now, but if you live in a very exotic country, it is possible that your keyboard is not working properly. In this case, file an issue with the DTG customer service. You can set your keyboard to UK-English and language to UK-English as well. This at least makes your keyboard working.

In game you can find a keyboard code. It helps if you add this code to your ticket.

For GWE the issue reappeared, but f.i. for the US keyboard there is not an issue with HH, only with GWE. The most annoying issue is that you cannot apply the train brakes. I think it is resolved now properly, so this report is just in case ...

13.4 Login Dovetail-Live

The credentials for the Dovetail Live account are not saved properly, so you may be asked to login again. It seems to be improved, but it is not fully solved.

13.5 Cannot move with XBOX controller

If you sue the XBOX controller, it may be handy to use the mouse to set in game controls. Once you have done that, you cannot move your camera with the XBOX controller anymore. A workaround is to activate the 2D view (key 9) and then go back to 3D mode, pressing key 9 again. It is a very annoying issue.

13.6 Loading screen when switching camera from front to back

Sometimes you may see loading screens (especially at Sandpatch) when you switch camera from the front to the back of the train and vice versa. This is behaviour of the game engine for performance reasons.

13.6.1 Weird behaviour when trying to resume a saved game

The save game function always had its issues and was not always very reliable. Unfortunately, at least for two preserved collection routes the instructions are mixed up completely, which make sit impossible to continue playing. Hopefully this will be fixed soon.

13.7 XBOX preserved collection issue

XBOX users may experience that one you install a preserved collection DLC in TSW2, it is uninstalled at TSW2020 and vice versa. DTG is looking for a solution.

13.8 XBOX crashes

XBOX users may experience more game crashes than with TSW2020. DTG is working to solve all issues. This may take some time.



14 Communities

14.1 Introduction

For TS2018 a large number of community sites, called Dovetail Live exist, where you find help for this game. Most of them introduced a TSW forum as well. Of course information is limited, but a large part of the information in this guides comes from knowledge acquired from community sites. I recommend to participate actively. I mention only a few site to get you started. Please forgive me if your favourite site is not mentioned, but you always can ask me...

14.2 DTG sites

Dovetail has created a new community site, called Dovetail Live. You can become a member and log in during gameplay. They promise specific benefits. At the moment your credentials are not stored properly, so you may need to login again later. At the moment it just supports the Mastery feature (see 8.7). You can register here:

<https://live.dovetailgames.com/#/>

The official game site has a specific section for TSW:

<https://train-simulator.com/category/train-sim-world/>

You will find the latest news here. DTG also has a Face Book site.

DTG has its own forum where you can discuss DTG products.

<https://forums.dovetailgames.com/forums/trainsimworld/>

14.3 Steam forum

At steam you can find a fairly active game forum. If you post anything, in general you get replies within short notice. The forum is mainly in English, but few posts are in French, German, Russian, Chinese and Spanish.

Direct link:

<http://steamcommunity.com/app/530070/discussions/>

14.4 UKTS

UKTS is a very active British community site with a large download base (not yet for TSW though) and an active and helpful forum. All communications is in English language.

<http://forums.uktrainsim.com/index.php>

14.5 Railworks America

Railworks America is the US counterpart for UKTS. More targeted to US related issues. Also a large download section, tutorials and a well-organized forum. Of course, all is in English language.

<http://railworksamerica.com/>

14.6 Rail-sim.de

A large community targeting to German language is rail-sim.de. Of course it is in German language, but you really need this for any German/Austrian/Swiss content.

<http://www.rail-sim.de/>

14.7 SimTogether

SimTogether is an important Dutch community. Also a download section, mainly targeted to Dutch content. The forum is mainly in Dutch, but there is a forum in English language, though it is not used very much. Content is mainly in Dutch language. Interest in TSW is very low in the Dutch communities.

<https://simtogether.com/>

14.8 Railsim.fr

For the French community railsim.fr is a good starting point. The link is here to the TSW forum. Almost everything is in French language.

<http://www.railsim-fr.com/forum/index.php?showforum=32>



15 Frequently asked questions

15.1 Can I run this game at my system?

Your system specs should be around the minimum specs published by DTG. As you can see at the screenshots, far more detail is provided than we are used with Train Simulator. Therefore system requirements are much higher.

15.2 Can we create our own content?

To a very limited extend. You can create simple scenarios and you can create liveries for existing content. You cannot create routes, engines, scenery assets, though some hacks may be possible. At least, they were in TSW but we do not yet know if the same hacks work in TSW2.

15.3 Does TSW2 support VR?

TSW does not support any Virtual Reality systems. Not heard if anything is in development.

15.4 Does TSW2 support TrackIR?

It will be on the roadmap at some point and will be available in some near future.

15.5 Does TSW2 support RailDriver?

Not yet, but it is in development right now. The idea is that there will be an API that allows you to connect controllers to the game (this requires significant skills). For Rail Driver there will be a native interface.

15.6 Will there be steam engines?

Not in a foreseeable future.

15.7 When do we get multiplayer?

There are a number of indications the game is well prepared for multiplayer. There is no announcement on Multiplayer, so do not expect anything.

15.8 What about free roam

In TS you have freeroam mode, where you jump at an engine and drive without any task or schedule. DTG seems not to be a fan of this way of driving. Service mode comes more or less close to this. You can jump onto a train and take control, but you are bound to the schedule. Also some scenarios offer parallel task, where you can choose a train to drive. Using the Scenario Planner you can create scenarios that work more or less like the quick drives you may know from Trainsimulator.

15.9 Will there be DLC with ...

We need passenger trains, more routes, more countries and much more ...

Creating new rolling stock is much more challenging than it used to be for TS2020 because we want more details, better sound quality etcetera. You need a real engine to achieve all this for at least a whole day. So you need fans at the railway companies. Also getting licenses for using brands can be difficult. Some companies feel more at ease with this than others. This limits the possibilities a lot if you want to work according to the rules.

The TSW2 roadmap gives some insight in what is coming in the next 3-4 months. See also 4.74.7

15.10 Will this be the end of Trainsimulator?

DTG states they will continue to support Trainsimulator and create new content. There are reasons to believe that this is a correct statement. DTG is a commercial company and they make a lot of money with Trainsimulator. TWS is just costing money. In marketing terms, Trainsimulator is the **cash cow**, providing the money they need to invest in TSW. I expect Trainsimulator will be continued for at least three more years, maybe longer, depending on the adoption rate of TSW. So no worry for now.

Some people are worried because Microsoft says Windows10 is the last Windows version. I also believe Windows is far from dead. The difference is that Microsoft has a different update strategy and is focussing more on supporting multiple platforms, especially Mobile.

15.11 Will this be the end of TSW2020?

TSW2020 will not be gone. There are no plans to withdraw the game and you will be able to buy all DLC that are available. You still need it you like to drive the North-East Corridor route or the GP40-2 at Sandpatch.

If you buy DLC and they are in preserved collection, you will get the TSW2 DLC for free in addition. The other way round will not work. If you buy a TSW2 preserved collection DLC, you will not get a TSW2020 copy.

The only restriction is that there will be no more bug fixes or maintenance updates for TSW2020. At some point this may become an issue, but not for the moment. So in de foreseeable future, TSW2020 will exist next to TSW2 and this will give you time to consider to switch to TSW2 or not.



Availability of this guide

This guide and ToolkitForTSW are available here:

Site name	URL
Holland Hiking	http://www.hollandhiking.nl/trainsimulator/index.php

At this location you also find useful guides and tools for Trainsimulator

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