



# Taurus Mountains Route



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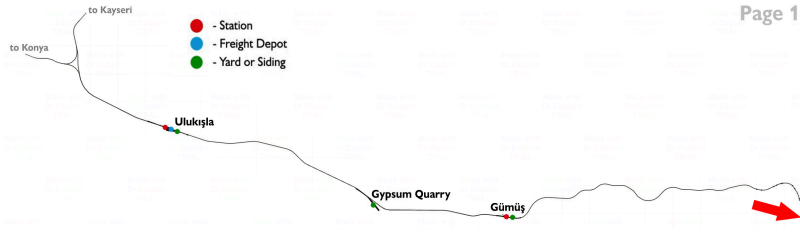
Quick start guide  
**2022**

**Warning:** Taurus Mountains Route only works in **64-bit** version of the game. The *32-bit* version may encounter bugs and crashes as it could not handle the detail level of the route.

### Route Features & Map

**Taurus Mountains** route is **125 km (78 mi)** long between **Ulukışla** and **Yenice**.

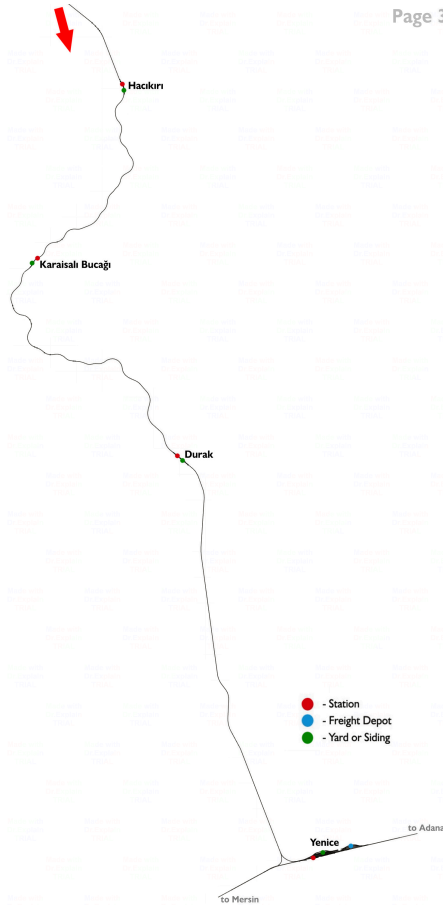
Page 1



Page 2



Page 3



- **9** mainline stations and **1** tiny short stop
- Heights of the route is between **27 mt (Yenice)** to **1470 mt (Ulukışla)**
- **2** locomotive depots (**Ulukışla & Yenice**). The one in **Yenice** has openable doors
- **1** working locomotive turntable (Ulukışla)
- **2** working fuel loading pumps with animation for **DE 24000 (Ulukışla & Yenice)**
- **1** container loading station with crane (**Yenice**), **2** stacker container loading facilities (**Both in Yenice**) and **2** gypsum loading facilities (**Ulukışla & Gümüş**)
- **37** tunnels carved into the rocks, all of them individually modelled and placed
- More than **60** bridges of various lengths. The famous **Varda Bridge** (a.k.a **German Bridge/James Bond Skyfall** movie bridge) is located on this line

### The DE 24000 Locomotive Cabin Controls

1	Valse(Throttle)	11	Front Turbo Press.
2	Reverser	12	Rear Turbo Press.
3	Horn	13	Ampermeter
4	Loco Brake	14	Battery Ampermeter
5	Train Brake	15	Battery Voltmeter
6	Main Reservoir Press (White) Air Brake Pipe Press (Orange)	16	RPM Gauge
7	Brake Cylinder	17	Matrix Display
8	Fuel Pressure	18	Fault Warning LEDs
9	Coolant Temperature	19	Fuel Switch
10	Oil Pressure	20	Headlights



21	Radio	36	Front Wipers
22	Speedometer	37	Matrix LED Test
23	General Control Switch	38	Alternator Warning
24	ATS Info Screen	39	Direct Fan
25	Rearrangement	40	Compressor
26	Release	41	Cab Light
27	Clearance on Red Signal	42	Instrument Lights
28	System Alert Confirmation	43	Window Heater
29	User Key	44	Flange Lubrication Test
30	Reading Light	45	Troubleshooting
31	Parking Brake	46	Bail Off
32	Loco Engine Stop	47	Sander
33	Startup	48	Air Conditioning
34	Rear Wipers	49	Timetable
35	Front Side Wipers		





50	Right Window	53	Front Left Roller Blind
51	Back Door	54	Front Right Roller Blind
52	Additional Seat		

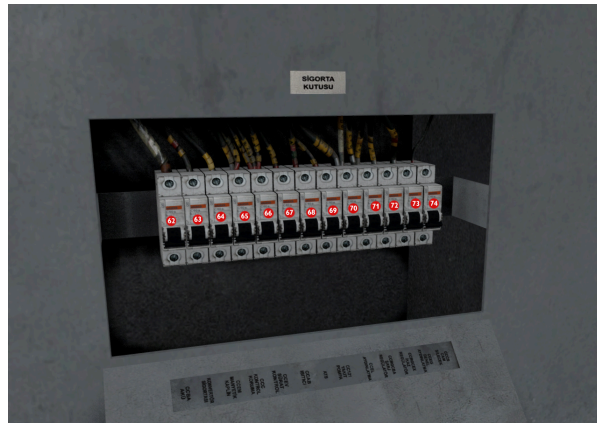


55	Front Door	59	Train Heating
56	Emergency Brake	60	Main Light
57	Left Window	61	Lighting and Stove Switch
58	Fuel Tank Gauge		



62	Battery CB ( <i>Circuit Breaker</i> )	69	Fuel Pump CB
63	Convertor CB	70	Illumination CB
64	Fan Couplings CB	71	Charge Regulator CB
65	Control Protection CB	72	Warning Regulator CB
66	Speed Control CB	73	General Illumination CB
67	Window Heater CB	74	Windshield Wipers CB
68	ATS CB		





### Keyboard Shortcuts

<b>V</b>	Wipers On/Off	<b>A</b>	Throttle (Valse) Up
<b>L</b>	Cab Light On/Off	<b>D</b>	Throttle (Valse) Down
<b>Space</b>	Front Horn	<b>'</b>	Train Brake Up
<b>H</b>	Front Headlights	<b>;</b>	Train Brake Down
<b>Shift+H</b>	Rear Headlights	<b>]</b>	Engine Brake Up
<b>W</b>	Reverser (Forward)	<b>[</b>	Engine Brake Down
<b>S</b>	Reverser (Backward)	<b>Q</b>	ATS Acknowledge/Reset
<b>X</b>	Sander On/Off		
<b>CTRL+1</b>	Open All the Circuit Breakers	<b>Tab+D</b>	Close Throttle (Valse)
<b>CTRL+2</b>	Prepare the Cab Controls for Startup	<b>I</b>	Radio On/Volume Up
<b>M</b>	Instrument Light On/Off	<b>Shift+I</b>	Radio Off/Volume Down
<b>N</b>	Reading Light On/Off	<b>F</b>	Alternator Warning On/Off
<b>F7</b>	Consist Information System On/Off	<b>J</b>	Fuel Switch On/Off
<b>B</b>	Rear Horn	<b>P</b>	Loco Brake Bail-off
<b>U</b>	ATS Key On/Off	<b>K</b>	ATS Clearance on Red Signal On/Off
<b>Z</b>	Engine Startup	<b>C</b>	ATS Release/Speed Control
<b>R</b>	Train Brake Pin		

### Preparation for Startup

- First of all, it is necessary to open the circuit breakers of the locomotive.
- The **Main Light** switch is set to **1** position. It is checked that the **Train Heating** switch is in the **I** position. Now the locomotive's cabin lights, reading light and instrument lights can be switched on.
- The **Fuel Indicator** panel is checked and it is confirmed that the locomotive has fuel for startup.
- The **General Control Switch** between the **ATS** display and the radio should be turned on.
- The locomotive's **Fuel Switch** must be turned on before starting. After the switch is turned on, the **Fuel Pressure** gauge slowly rises to around **2 bars**. After **2 bars** pressure is seen, the locomotive is ready to start.
- The **Train Brake** of the locomotive must be set to the **Running** position. For this, the pin is lifted up and the lever is taken to the **Running** position.

**?** **Note:** Alternatively you can press the **CTRL + 1** and **CTRL + 2** shortcut keys for these operations.

### Starting & Moving the Engine

- When you hold down the **Startup** button on the console of the locomotive (alternatively, you can press the **Z** key on the keyboard), the pre-start lubrication system will be activated.
- When cranking starts, the **MD1** and **MD2** lights on the **Matrix Display** turn on. This indicates that **Starter 1 & Starter 2** are engaged.
- After the start, the **Alternator Warning** switch needs to be turned on.
- The **Parking Brake** of the locomotive must be released before moving.
- Finally, the **Loco Brake** and **Train Brake** of the locomotive are released and after the horn is sounded, the **Valse (Throttle)** is opened.

### Consist Information System

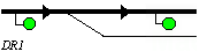
By pressing the **F7** key, the **Consist Information System** can be activated or deactivated.

**Stop aspect**



**Immediate stop.** The protected block section is occupied or no route is set from the signal.

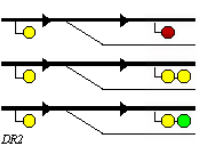
**Proceed aspect**



**Proceed at Normal speed.** Next signal is also a proceed aspect (i.e. not a stop).

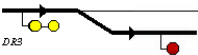
Two blocks beyond the signal are clear.

**Proceed with caution aspect**



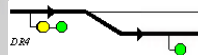
Proceed but expect to find the following signal at stop or giving access to a diverging route. The block beyond the signal is clear. The block after the following signal is either occupied, either set to a diverging route, either with no route set.

**Proceed with caution aspect (1)**



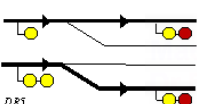
Proceed at reduced speed over points set for a diverging route. Be prepared to stop at following signal. **A diverging route is set from the signal.**

**Proceed with caution aspect (2)**



Proceed at reduced speed over points set for a diverging route. Be prepared to proceed at following signal. **A diverging route is set from the signal.**

**Subsidiary aspect**



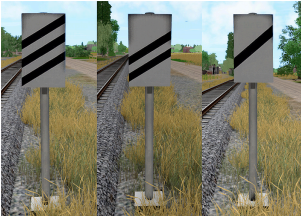
Proceed at limited speed as far as the line is clear. Be prepared to stop short of any obstruction. The signal aspect gives access to an occupied line, a non track circuited line or a non running line.

## Speed Signs



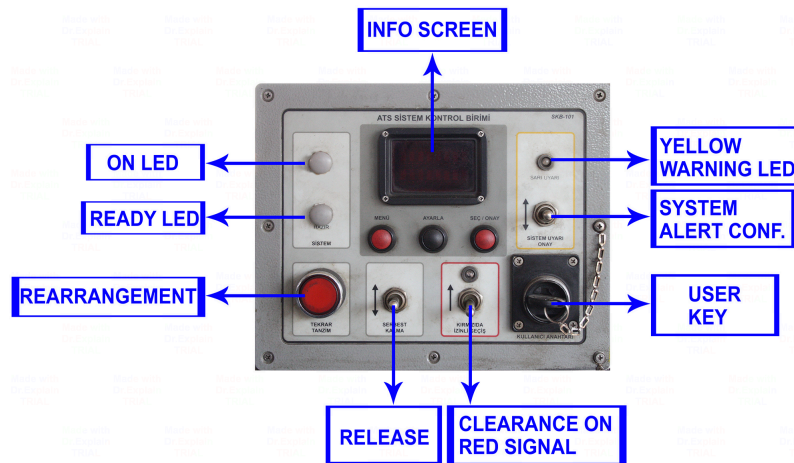
Signs showing the **40 km/h** speed limit are used on the **Taurus Mountains** route. These signs are located at the station entrances and exits.

## Countdown Markers



Countdown markers can be found around the **Taurus Mountains** route. The marker boards are placed at a standard distance of **300m**, **200m** and **100m**.

## ATS System Controller Unit



**INFO SCREEN:** It is the LCD screen that shows the information about the ATS system

. **ON LED:** Indicates that the ATS System is on and that the energy is coming.

**READY LED:** Indicates that there is sufficient pressure in the Main Reservoir.

**REARRANGEMENT:** Indicates that the locomotive is ready to move after an emergency braking occurs.

**RELEASE:** Allows you to exit Speed Limit Control after YELLOW WARNING signal is received.

**CLEARANCE ON RED SIGNAL:** Indicates that the Clearance on red signal switch is in the on position. It is used for the SPAD permission.

**USER KEY:** It is used to activate the ATS system.

**SYSTEM ALERT CONFIRMATION:** Silences the alerter. When the YELLOW WARNING signal is received, if this switch is not hit within 10 seconds, automatic braking occurs.

**YELLOW WARNING LED:** Indicates that the Yellow Warning signal is received.

## Permissible Speed Limits

The maximum speed for passenger trains is **110 km/h**.

The maximum speed for freight trains is **70 km/h**.

The speed limit is **30 km/h** for diverging routes on the switches.