



Granger Heartland: Kansas City - Topeka

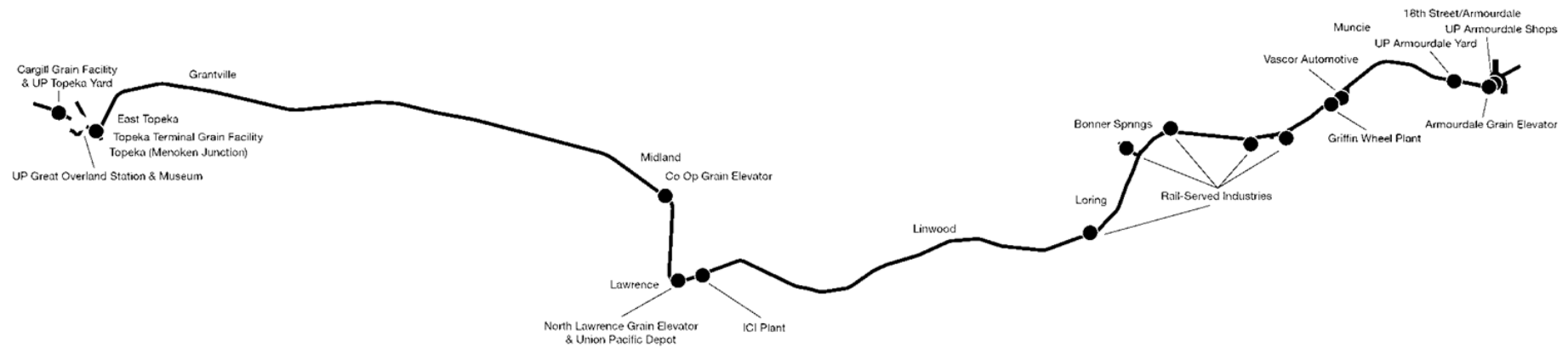


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Whilst we do our utmost to reproduce sounds that are accurate and true-to-life, sometimes these sounds may not completely tally with the user's expectation. Due to the nature of the simulation, it is often not possible to reproduce a completely accurate soundscape for a variety of reasons such as limitations with our current technology and occasional inability to gain meaningful access to the locomotives being created. You should therefore regard the audio reproduction for our locomotives as authentic interpretations rather than perfect recreations.

1 Route Map



2 Rolling Stock

Electro-Motive SD70ACe in Union Pacific Livery

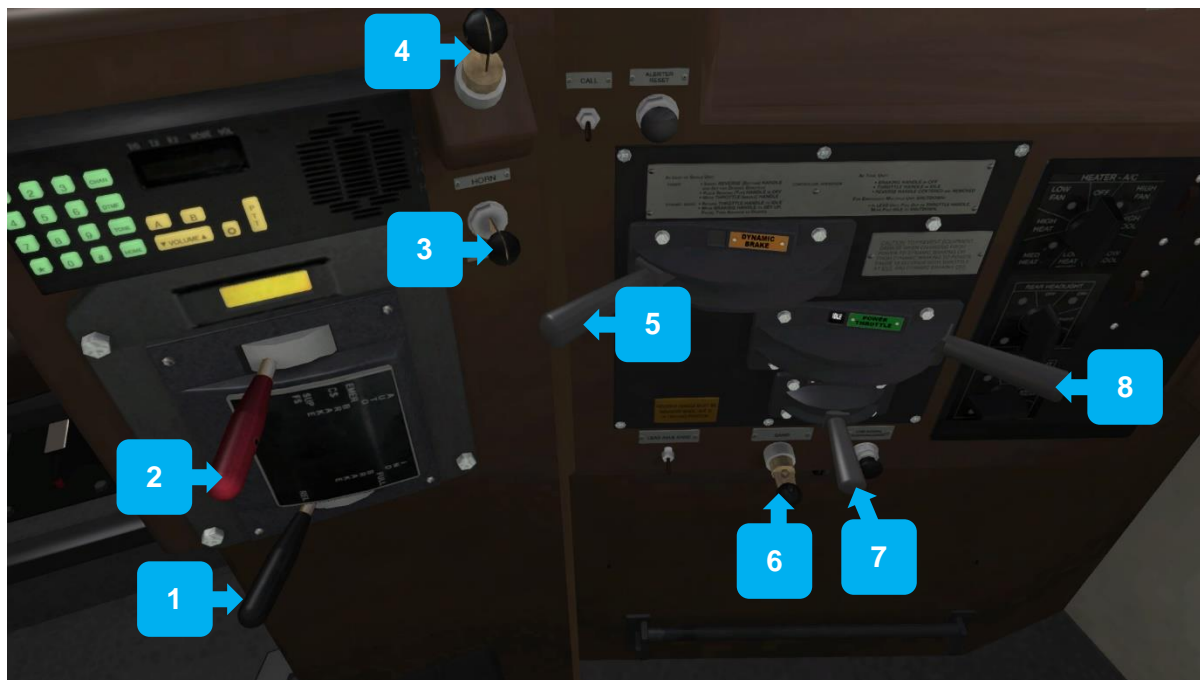


Electro-Motive GP40-2 in Union Pacific Livery



3 Driving the SD70Ace

Cab Controls



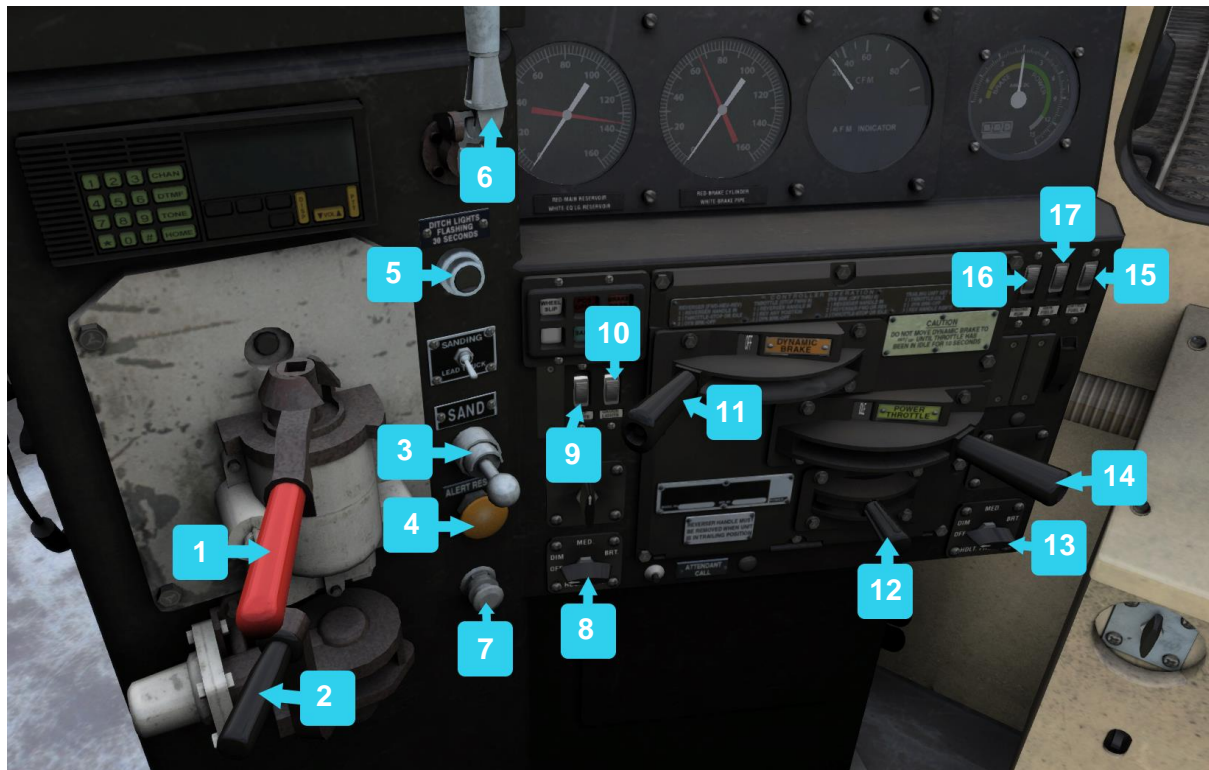
1	Locomotive Brake	5	Dynamic Brake
2	Train Brake	6	Sander
3	Bell	7	Reverser
4	Horn	8	Power Throttle

Key Layout

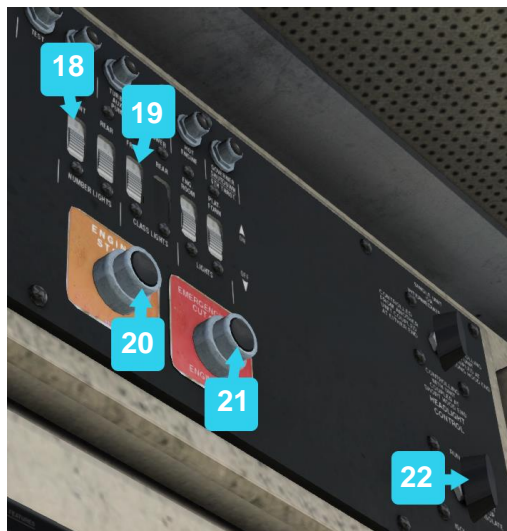
Function	Key	Key
Increase or Decrease Throttle.	A	D
Move reverser control Forward or Backward.	W	S
Increase or Decrease Train Brake.	;	'
Increase or Decrease Locomotive Brake.	[]
Load/Unload. Press once to load/unload passengers or freight.		T
Headlights. Repeatedly pressing will cycle through headlight states where appropriate.		H
Windscreen Wipers. Press once to switch on and again to switch off.		V
(Expert) Engine Stop/Start. By default engines will already be running at the start of a scenario. Press this button to stop and then again to restart the engine.		Z
(Expert) Sander. Causes sand to be laid on the rails next to the wheels to assist with adhesion. Press and hold to activate sander, let go to stop.		X
Horn. Press once to sound the Horn.		Space
Bell. Press once to sound the Bell.		B
Handbrake. Press to toggle the train Handbrake on and off.		/
Cab Lights. Toggle the Cab lights on and off.		L
Couple manually.	Ctrl + Shift +	C

4 Driving the GP40-2

Cab Controls



1	Train Brake	10	Gauge Lights
2	Locomotive Brake	11	Dynamic Brake
3	Sander	12	Reverser
4	Alerter Reset	13	Headlights Front
5	Ditch Lights	14	Power Handle
6	Horn	15	Control & Fuel Pump
7	Bell	16	Engine Run
8	Headlights Rear	17	Generator Field
9	Step Lights		



18	Number Lights	22	Engine Run Isolation Switch
19	Class Lights	23	Wipers
20	Engine Start	24	Cab Lights
21	Engine Stop		

Key Layout

Function	Key	Key
Increase or Decrease Power.	A	D
Move reverser control Forward or Backward.	W	S
Increase or Decrease Train Brake.	;	'
Increase or Decrease Locomotive Brake.	[]
Increase or Decrease Dynamic Brake.	,	.
(Expert) Sander. Causes sand to be laid on the rails next to the wheels to assist with adhesion. Press and hold to activate sander, let go to stop.		X
Alert Reset.		Q
Headlights. Repeatedly pressing will cycle through headlight states where appropriate.	H	Shift + H
Windscreen Wipers. Press once to switch on and again to switch off.		V
Horn. Press once to sound the Horn.		Space
Bell. Press once to sound the Bell.		B
Cab Lights. Toggle the Cab lights on and off.		L
Gauge Lights. Toggle all Gauge Lights		I

Cold & Dark Start Procedure

1. Move the Engine Run, Generator Field and Control & Fuel Pump switches to the on position (Up).
2. Turn the Engine Run Isolation Switch to the Start/Stop Isolate position.
3. Depress the Engine Start Button until the engine has started.
4. Turn the Engine Run Isolation Switch to the Run position.

5 Scenarios

Career Scenarios

- [GP40-2] 1. Heart of America
- [SD70ACe] 2. The Intermodal
- [GP40-2] 3. Industry Standard Part 1
- [GP40-2] 4. Industry Standard Part 2
- [SD70ACe] 5. Distributed Power
- [SD70ACe] 6. Storms Ahead
- [GP40-2] 7. Lawrence Local

Railfan Mode Scenarios

Railfan Mode provides a unique chance to observe and enjoy the operations of trains without the pressure and involvement of driving them. Railfan Mode scenarios are positioned at various key points along the route and provide camera functionality to sit back and watch the action unfold.

The following scenarios are located on the Drive screen under the **Standard** tab:

- [Railfan] Lawrence
- [Railfan] Kansas City

6 Acknowledgements

Dovetail Games would like to thank the following people for their contribution to the development of Granger Heartland: Kansas City - Topeka:

Stuart Galbraith

Route Builder

Dan Barnett

Route Builder

Dovetail Games Beta Testing Team

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