

Key Commands for SpoorSim Simulator

Setup Keys (Alt-C Tab)

Key	Use	Comment
Alt-C	Configuration	Set screen resolution and other parameters
Tab	Mode	Toggles between AI (automatic) and manual driving mode; at startup, the diesel/electric defaults to AI and the steam to manual

View Control Keys (F1 F2 F3 F4 F5 F6 F7 F8 F9)

Key	Use	Comment
F1	Cab View	Cab view enables control of train (if in manual mode), speech information, and viewing angle (see Cab View Keys)
F2	Outside View	Outside view enables control of camera panning, angle, and zoom (see Outside View Keys)
F3	Trackside View	Places camera in fixed positions alongside track
F4	Speech Information	Toggles audible information – see Speech Information Keys
F5	Switch Consist	Switches consist, stepping through available consists in reverse order from F6
F6	Switch Consist	Switches consist, stepping through available consists in reverse order from F5
F7	Viewpoint Down	Steps outside viewpoint towards the end of a consist
F8	Viewpoint Up	Steps outside viewpoint towards the front of a consist
F9	Speech – Train ID	Identifies train and cab (if Speech Information is ON)

Train Control Keys (Z X C V B N)

Key	Use	Comment
Select key, then use left mouse button to open/increase or right mouse button to close/decrease		
Z	Firehole Door	Steam only
X	Regulator / Power Throttle	Regulates speed
C	Reverser	Toggles train direction; default is Forward
V	Train Brake	Activates train air brakes
B	Locomotive Brake	Activates locomotive brakes
N	Dynamic Brake	Diesel/electric locomotive only – apply before locomotive brake

Steam Control Keys – 1 (Q W E R T)

Key	Use	Comment
Select key, then use left mouse button to open/increase or right mouse button to close/decrease		
Q	Live Steam Injector	Adds (injects) water to boiler
W	Reverser Assister	
E	Blower	Allows steam from boiler to go directly up the chimney; has the effect of increasing combustion
R	Grate Shaker	Prevents clinkers or ashes from building up
T	Stoker	Feeds coal from tender to firebox

Steam Control Keys – 2 (A S D F G)

Key	Use	Comment
Select key, then use left mouse button to open/increase or right mouse button to close/decrease		
A	Mechanical Stoker Left-hand Back Blower	
S	Mechanical Stoker Left-hand Front Blower	
D	Mechanical Stoker Fine Coal Blower	
F	Mechanical Stoker Right-hand Front Blower	
G	Mechanical Stoker Right-hand Back Blower	

More Control Keys (U I O P [])

Key	Use	Comment
Select key, then use left mouse button to open/increase or right mouse button to close/decrease		
U	Exhaust Steam Injector	Steam only – heats feedwater
I	Sander	Applies sand to rails ahead of drive wheels
O	Dynamo	Steam only – generates electricity for lighting
P	Drifter	Steam only
[Ejector	Steam only
]	Cylinder Cocks	Steam only

Cab View Keys (Numpad 1-9)

Key	Use	Comment
Must be in Cab View (F1) to use		
np1	Fireman, rear view	
np2	Look down	Can use mouse in Y-axis
np3	Driver, rear view	
np4	Turn left	Can use mouse in X-axis
np5		
np6	Turn right	Can use mouse in X-axis
np7	Fireman, forward view	
np8	Look up	Can use mouse in Y-axis
np9	Driver, forward view	

Outside View Keys (Numpad 2-9 except 7)

Key	Use	Comment
Must be in Outside View (F2) to use		
np2	Lower camera	
np3	Zoom out	
np4	Rotate camera clockwise	
np5	Stop camera rotation	
np6	Rotate camera anti-clockwise	
np8	Raise camera	
np9	Zoom in	

Speech Information Keys (1 2 3 4 5 6)

Key	Use	Comment
Must be toggled ON (F4) to use		
1	Distance Reading	
2	Train Velocity	
3	Boiler pressure / direct current	
4	Water level	
5	Trainpipe vacuum	
6	Brake Vacuum Chamber	

Glossary of Steam Locomotive Terms

<http://www.heavenr.com/railroad/glossary.html>

An Introduction to Train Brakes

<http://www.tarorigin.com/art/Jbentley/>

Steam101: operating a locomotive

http://www.kevinboone.com/steam101_operating.html

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