



ALCo DL 109

ALCo DL 109 for Train Simulator 2021 Owner's Manual





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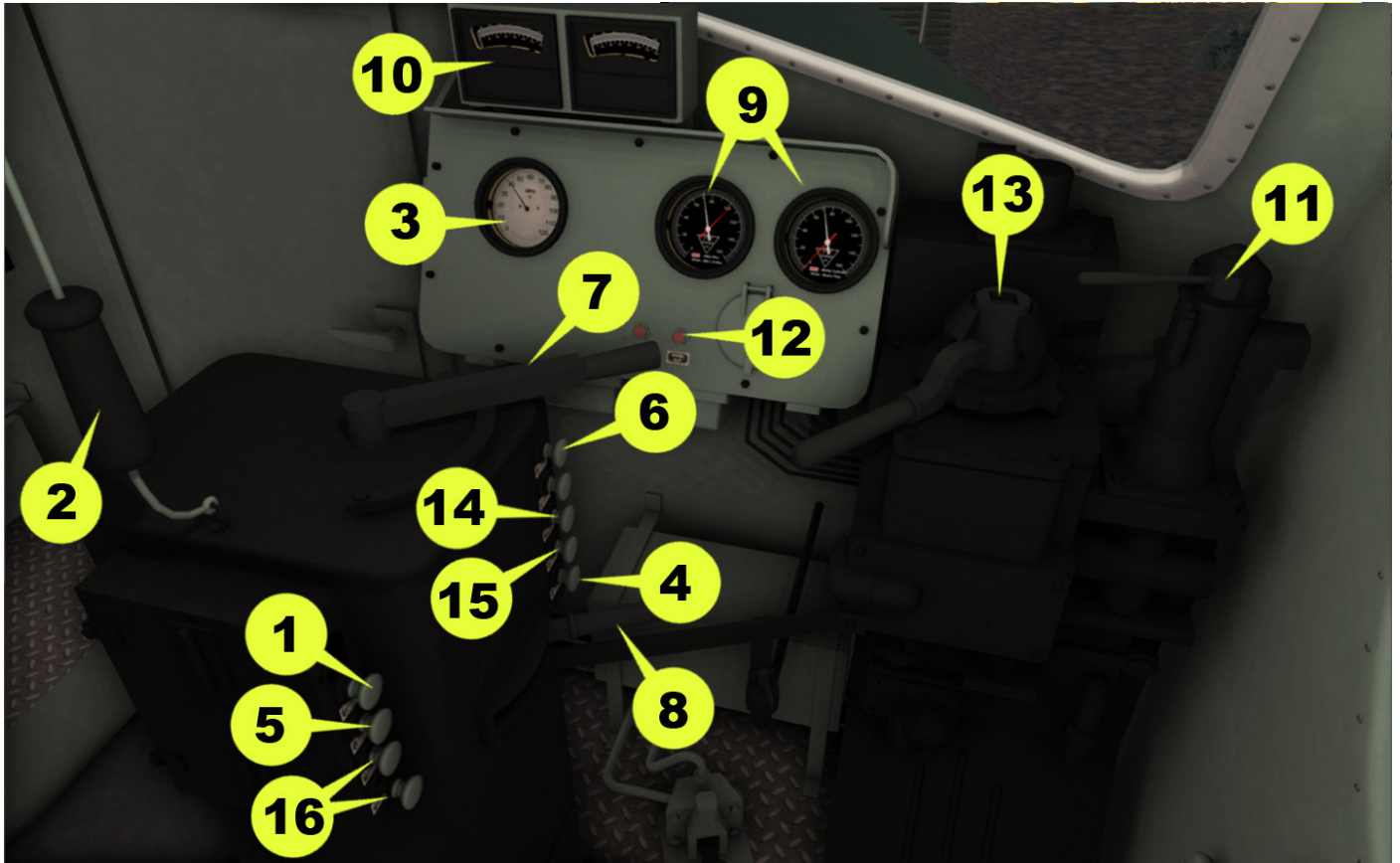
A Little Bit of History

The ALCO DL-109 was one of six models of A1A-A1A Diesel locomotives built to haul passenger trains by the American Locomotive Company (ALCO) between December, 1939 and April, 1945 (“DL” stands for Diesel Locomotive). They were of a cab unit design, and both cab-equipped lead A units DL-103b, DL-105, DL-107, DL-109 and cabless booster B units DL-108, DL-110 models were built. The units were styled by noted industrial designer Otto Kuhler, who incorporated into his characteristic cab (US Patent D121,219) the trademark three-piece windshield design. A total of 74 cab units and four cabless booster units were built.

Source: Wikipedia.

GTEs Cab Controls

Cab doors and windows can be opened with the mouse.



- 1) Number lights
- 2) Horn
- 3) Speed Recorder
- 4) Headlights On/Off
- 5) Step lights
- 6) Gauge Lights
- 7) Throttle
- 8) Reverser
- 9) Air Gauges
- 10) Ammeter
- 11) Train Brake
- 12) Wheel Slip
- 13) Loco Brake
- 14) Wipers
- 15) Class Lights
- 16) Cab Lights



Keyboard Controls

W/S = Reverser

A/D = Throttle

`/; = Train Brake

/ = Handbrake

[/] = Locomotive Brake

Z = Start Up / Shut Down

B = Bell

H = Headlights On

H + Shift = Headlights Off

L = Cablight

V = Forward Wipers

Backspace = Emergency Brake

Space Bar = Horn

X = Sander

How to Drive

The ALCo DL 109 is easy to drive. Once in game, the engine is ON by default. To start moving it do the following steps:

- 1) Set the Reverser forwards or backwards.
- 2) Release Loco brake if the locomotive is light or Train brake if the locomotive is coupled to a consist.
- 3) Move up the Throttle. Depending on the consist it might need more power to move the train.
- 4) Use brakes levers to stop the train. Loco brake if you are operating a light engine or Train brake if you are operating a consist.

To operate the train with simple controls is even easier. You only have to worry about two controls. Reverser button and Throttle/brake lever. Reverser is usually set to forwards and can be changed with a single click on it. To move the train just move up the Throttle/Brake lever from the brake area, the bottom half, to the power area, the top half. Move it down to the brake area to stop the train.



Included Career Scenarios

All included scenarios are for VNHRR Springfield Line route.

[DL-109] NH Train #67, The Bankers

Enjoy the sunrise but keep your eyes on the speedometer and your hands firm on throttle and brakes. This is a fast-paced passenger service which means you must drive it hard -- accelerate right up to the speed limit when leaving stations, and brake late (don't coast) into the next one. The timetable is very tight but possible to "beat" in the scenario.

[DL-109] NH Train #80, The Connecticut Yankee

Enjoy the sunset but keep your eyes on the speedometer and your hands firm on throttle and brakes. This is a fast-paced passenger service which means you must drive it hard -- accelerate right up to the speed limit when leaving stations, and brake late (don't coast) into the next one. The timetable is quite tight but possible to "beat"; in the scenario.

[DL-109] Hartford-Cedar Hill Priority Freight

Your task is to take a high priority piggyback and express cargo train from Hartford Meadows Yard to Cedar Hill Yard. Your train has been cleared for departure and is ready to go on the departure track.

[DL-109] Hartford-Springfield Freight

Your task is to deliver a short mixed freight train from Hartford Meadows Yard to Springfield. Navigate the yard to pick up your train, then pick up a caboose, and then join the mainline and run to Springfield.

[DL-109] Springfield-Boston Mail

Your task is to drive the first leg of the Springfield - Boston mail train tonight. Your engine is waiting at the roundhouse. Pick up your cars from the mail house and then run to Hartford, where the next crew will take over.





How to Use This in Your Own Scenario



- 1) Open your desired route.
- 2) Press Esc key.
- 3) Click on World editor from the pop up menu.



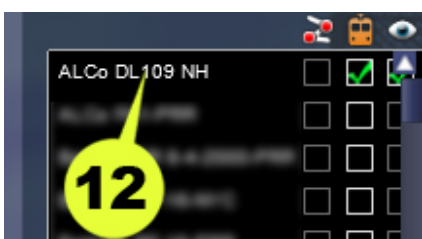
- 4) Go to the Tool Box panel.
- 5) Click on the Scenario icon.
- 6) Click yes from the warning pop up.



- 7) Go to the Browser panel.
- 8) Click on the Object Set Filter icon.



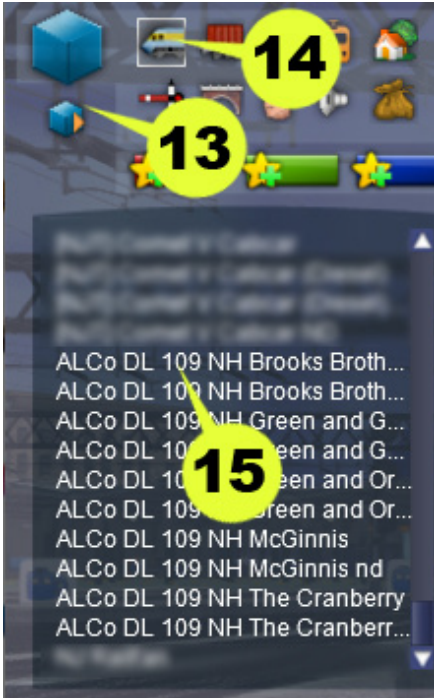
- 9) Go to the Browser Panel at the right of the screen.
- 10) Click the roll out menu.
- 11) From the roll out menu click on DTM.



- 12) Click the ALCo DL 109 NH checkbox.



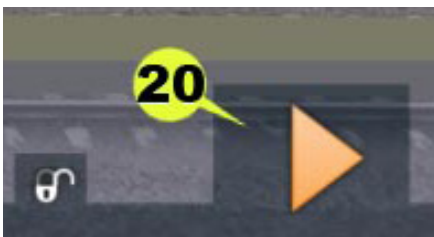
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- 13) Return to the Browser panel.
- 14) Click on Engines & Tenders icon.
- 15) Click the any of the ALCo DL 109 NH pack units.
- 16) Click on the track to place it.



- 17) Return to the Tool Box panel.
- 18) Click the Driver icon.
- 19) Click on the engine.



- 20) Click the Play icon.
- 21) Save the changes in your scenario.
- 22) Drive your locomotive.



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Included Rolling Stock



ALCo DL 109 NH Brooks Brothers (with and without cab crew)



ALCo DL 109 NH The Cranberry (with and without cab crew)



ALCo DL 109 NH Green and Gold (with and without cab crew)



ALCo DL 109 NH Green and Orange (with and without cab crew)



ALCo DL 109 NH McGinnis (with and without cab crew)





- NH 14-4 Sleeper (Silver and Red)
- NH 6-6-4 Sleeper (Silver only)
- NH 6-L Sleeper (Silver only)
- NH Baggage Parlor Lounge (Green and Red)
- NH Coach (Green and Red)
- NH Diner (Green and Red)
- NH Full Parlor (Green and Red)
- NH Grill (Green and Red)
- NH Parlor Lounge (Green and Red)
- NH Parlor Lounge New (Green and Red)
- NH Tavern Lounge Observation (Green and Red)



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