DAPOL Class 08 shunter The detail's in the sound!

Important: A larger speaker has been fitted to factory equipped models.
When removing the bonnet top, please lift from the radiator end.

Thank you for purchasing the Class 08 locomotive with sound.

The sound project has been meticulously crafted from recordings of class 08 "Charlie", which is resident on the Dean Forest Railway.

The sound project contains some unique features designed to enhance the driving experience and increase the authenticity.

There are a number of sounds that occur when a function button is pressed, and a number of sounds that are played automatically. These are detailed below and overleaf.

We hope you enjoy the added realism and enhanced driving experience that this will bring to your layout operations. To get the best realism and satisfaction out of your sound decoder, you will need to practice a little bit of driving!

Class 08 manual functions		Comments
F0	Top white marker lights (directional)	Pressing F0 turns on the top white marker light in the direction of travel. The sound of the switch being thrown is also heard. A second press of F0 will turn off the lights, again accompanied by the sound of the switch being thrown.
F1	Startup/shutdown	Pressing F1 starts up the engine sounds. The startup sequence takes about 30 seconds, but can be shortened simply by opening the throttle. A further press shuts down the engine sounds.
F2	Toot whistle	On pressing F2, a 'toot' whistle will be heard.
F3	Medium whistle	On pressing F3, a medium whistle will be heard.
F4	Short + medium whistle	On pressing F4, a short whistle followed by a medium whistle will be heard.
F5	Cab door slam	On pressing F5, the sound of the cab door being slammed shut will be heard.
F6	Buffer clash	On pressing F6, the sound of buffering up will be heard.
F7	Brake application/release	When F7 is pressed, the sound of the brakes being applied will be heard. When F7 is pressed again (F7 turned off), the sound of the brakes being released will be heard.
F8	Flange squeal	On pressing F8, the sound of the wheel flanges squealing will be heard.
F9	Light engine mode	With F9 ON, less engine revs will be heard and at the same time, the inertia will be reduced to simulate a lightly loaded engine or train. CV390 can be used to determine to what extent the inertia is reduced. As supplied this has a value of 25.
F10	Shunting lights	On pressing F10, the red and white lower lights will be illuminated. This indicates that the locomotive is carrying out shunting duties. A second press of F10 (F10 turned off) will extinguish the lights. Each press of F10 will be accompanied by the sound of the switch being thrown.
F11	Cab light	On pressing F11, the cab light will be illuminated. A secomd press of F11 (F11 turned off) will extinguish the cab light. Each press of F11 will be accompanied by the sound of the switch being thrown.
F12	Fade out/fade in	Useful when the locomotive is going "off-scene" or into a tunnel, to simulate the effect of going into the distance. Conversely, on entering the scenic section, or when exiting a tunnel, this can be used fo fade the sound back in.

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F13	Coupling/uncoupling	On pressing F13, the sound of the coupling being placed on the hook will be heard. On pressing F13 again (F13 turned off), the sound of the coupling being unhooked will be heard.
F14	Spirax valves	On pressing F14, the sound of the Spriax, or 'pop' valves will be heard. The sound will play for as long as the function is 'on'. In reality, these will be heard continuously once brake air pressure has been built up so the function should be left 'on' whilst running.
F15	Fuel hand prime	On pressing F15, the sound of fuel being hand-primed will be heard. In reality this would be used at the preparation stage if the previous crew has not left enough fuel. It would also be used sometimes when stood at signals on those 08s that do not have an electric fuel lift pump.
F16	Handbrake chain	On pressing F16, the sound of the handbrake retaining vhain being placed on the hhandbrake wheel will be heard.
F17	Cab window open/close	On pressing F6, the sound of the cab window being slid open will be heard. On pressing F6 again (F6 turned off), the sound of the cab window being slid closed will be heard.
F18	Cab door closing	On pressing F17, the sound of the cab door being gently closed shut will be heard.
F19	Slow freight train flange squeal	On pressing F18, he sound of the squealing wheel flanges of a slow-moving freight train will be heard.
F20	BIS cabinets open/close	On pressing F19, the sound of the right hand BIS cabinet being opened and closed will be heard. On pressing F19 again (F19 turned off) the sound of the left hand BIS cabinet being opened and closed will be heard. In reality, this is part of the preparation sequence at the start of operations.

Class 08 automatic functions		Comments
Brake squeal		The brake squeal will be played when the speed of the locomotive drops below the threshold AND the locomotive is decelerating. The threshold can be set via CV287 in order to reduce or increase the amount of brake squeal. As supplied, the value of CV287 is 20.

Other useful CVs		
CV	Purpose	Comment
3	Acceleration rate	As supplied this is set to a value of 40. A higher value gives a slower acceleration. A lower value gives more rapid acceleration.
4	Deceleration rate	As supplied this is set to a value of 50. A higher value gives a slower deceleration. A lower value gives more rapid deceleration.
266	Overall volume	As supplied, this is set to a value of 120. A higher value will increase the volume whilst a lower value will decrease the volume. The recommended maximum is around 130.
390	Inertia reduction for 'light engine' mode	As supplied this is set to a value of 25. A greater value will decrease the effect that the 'light engine' button (F9) has on the 'normal' acceleration and decelaration rates.

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