

# DAPOL Class 73

## The detail's in the sound!

Thank you for purchasing the Class 73 locomotive with sound.

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 A1/A1X manual functions		Comments
F1	Start up/shut down	On pressing F1 the sound of the priming pump is heard followed by the starting of the main engine. On pressing F1 again, the engine shutdown sequence is heard
F2	High horn	On pressing F2, the high horn is heard. The horn will sound for as long as F2 is ON.
F3	Low horn	On pressing F3, the low horn is heard. The horn will sound for as long as F3 is ON.
F4	Brake hiss	On pressing F4, the sound of brake hiss is heard
F5	Air release	On pressing F5, the sound of air release is heard
F6	AWS check	On pressing F6, the sound of the AWS check will be heard.
F7	Coupling/uncoupling	When F7 is pressed, the sound of the coupling up will be heard. When F7 is pressed again (F7 turned off), the sound of uncoupling will be heard.
F8	Flange squeal	On pressing F8, the sound of the wheel flanges squealing will be heard.
F9	Guard's whistle	On pressing F9, the sound of the Guard's whistle will be heard.
F10		
F11		
F12	Fade out/fade in	When F12 is pressed, the sounds will slowly fade out. On pressing F12 again, the sounds will slowly fade in. This can be used when the locomotive is going 'off-scene' or into a tunnel, to replicate the sound going into the distance.
F13	High horn	On pressing F13, the high horn is heard.
F14	Low horn	On pressing F14, the low horn is heard.
F15	Door slam	On pressing F15, the sound of a coach door being slammed will be heard.

Class 83 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 12.
Compressor		From time to time, the sound of the compressor will be heard. This will occur both when running with the diesel sound and when running with the electric sound.
Radiator fan		From time to time, the sound of the radiator fan will be heard. This will occur only when running with the diesel sound
Other useful CVs		
CV	Purpose	Comment
3	Acceleration rate	As supplied this is set to a value of 20. 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 40. 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 64. A higher value will increase the volume whilst a lower value will decrease the volume. The recommended maximum is around 100.

## Two sound projects in one!

The sound decoder actually contains two sound projects, one to replicate use of the locomotive using the diesel engine, and the other to replicate use of the locomotive using the third rail as power.

CV265 is used to switch between sound projects as below:

CV265= 101 – the diesel engine project is in use

CV265= 102 – the electric sound project is in use

**Note that with some commend stations, it may be necessary to cut and re-instate the power after altering CV265 in order continue to hear the sound.**

For a full list of CV values go to [www.gaugemaster.com/downloads](http://www.gaugemaster.com/downloads) and download the Zimo Sound Decoder instructions.