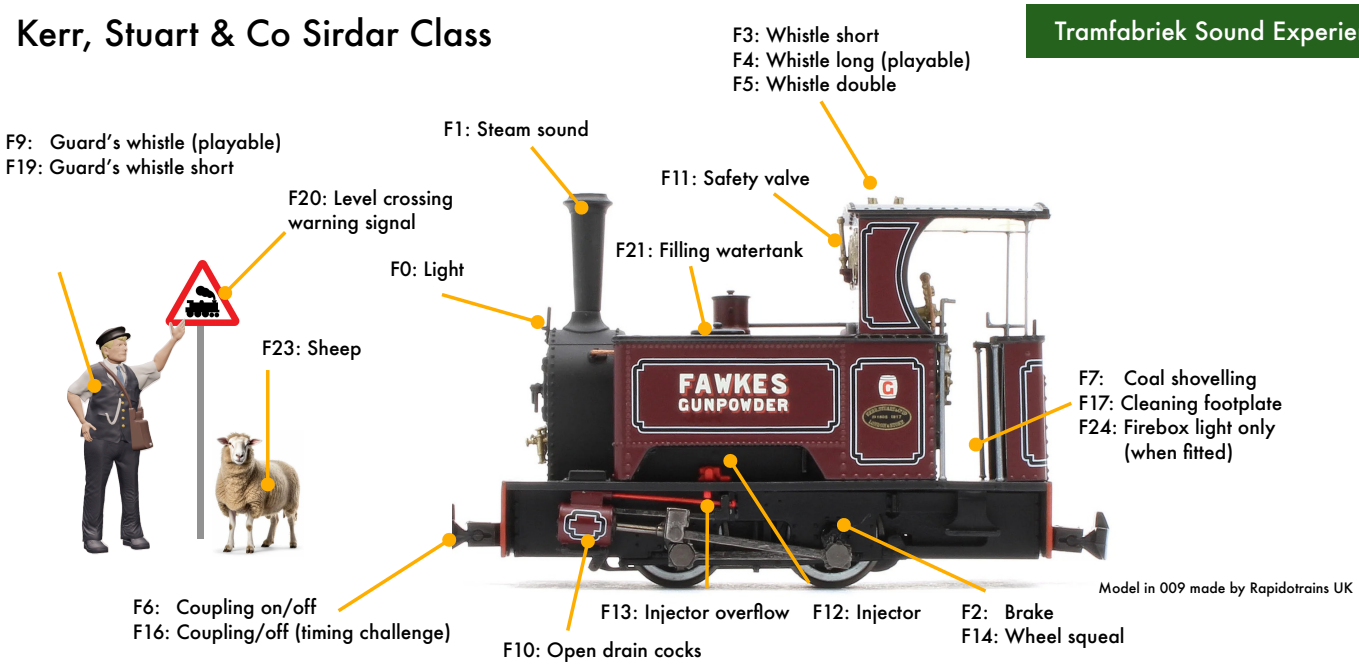
Kerr, Stuart & Co Sirdar Class

Tramfabriek Sound Experience



F8: Doors closing
F14: Squeal and rattle (only active when driving)
F18: Running sound with bogie coaches
F22: Fawkes's factory explosion

F26: Mute
F27: Volume down
F28: Volume up

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FUNCTION LIST

F0: Light on
F1: SOUND ON/OFF
F2: Brake key (CV309) + Brake sound
F3: Whistle short
F4: Whistle long (playable)
F5: Whistle double
F6: Coupling on/off (leave pressed when coupled, release when uncoupling)
F7: Coal shovelling (fire box glow AUX 1, if fitted)
F8: Doors closing
F9: Guard's whistle (playable)
F10: Open drain cocks (cylinder blow out)
F11: Safety valve
F12: Injector
F13: Injector overflow
F14: Squeal and rattle (only active when driving) (Volume CV 983)
F15: Driver and fireman chat (only active at stand) (Volume CV 982)
F16: Coupling on/off with voice
F17: Cleaning footplate
F18: Rail running sound with bogie coaches (Hard to hear with steam chuff sound on)
F19: Guard's whistle Short
F20: Level crossing warning signal
F21: Filling water tank
F22: Fawkes's factory explosion
F23: Sheep (F key = CV 980, Volume CV 981)
F24: Firebox on, light only, no sound
F26: Mute key
F27: Vol- (CV396)
F28: Vol+ (CV397)

SOUND SLOTS

17 Idle hiss
18 Idle hiss with fade in/out
19 Brake
20 Shovelling coal / FA1 on
22 Sheep 3
23 Sheep 5
24 Sheep 2
25 Whistle short
26 Whistle long
27 Whistle double
28 Sheep 3
29 Sheep 1
30 Sheep 6
31 Guard's whistle Long
32 Squeal and rattle
33 Coupling with female voice "slowly, stop"
34 Grating
35 Shoveling, cleaning
36 Coupling with male voice "slowly, stop"
37 Light switch on/off
38 Broom sweep
39 Injector
40 Chat
41 Coupling on/off (no voice)
43 Cylinder blowout
44 Door slam
45 Safety valve
47 Reverser
51 Guard's whistle short
57 Porthmadog level crossing warning signal
59 Rail running sound with bogie coaches
60 Filling water
61 Splashing with water, cleaning footplate
63 Compressor (for brake)

MORE SOUND FILES ARE AVAILABLE FROM:

http://tramfabriek.co.uk/sound-files.html

Introduction to the sound

Installation
The sound file has to be installed on a Zimo sound decoder. You can not install it on any other brand. To upload the file, you need a Zimo programmer (MXULFA), Zimo KLUG or a black Z21. With the latter, you use the Z21 Maintenance software (Windows only, or through Parallels on a Mac) and use the tab "Decoder update) to upload the file to the decoder. The time it takes depends on the size of the sound file. It can range from 15 minutes to even an hour.

The functions explained

F2 Brake key
If you are new to the brake key, this could be a life changing experience for you. It was introduced by, as far as I have been able to discover, Soundtraxx in the early 2000's. Normally CV4 is set to decide how long of a roll out you have when turning the speed controller to zero. But with a brake button, CV 4 is set to imitate the locomotive rolling out, when the brakes are not on. Now if you turn the speed controller in the direction of the zero postion, the locomotive will only come to a faster halt when you press the F2 button, which is a dedicated brake key.

In this sound project, the roll out delay for the **Brake key** is set to a short roll out (value 30). To increase the roll out for a more realistic driving experience and to use the brake key as it suppose to work: change CV 4 to a value of CV 4 to 110, for example.

Note that you can run the locomotive again with the brake key on. With the brake key active, the braking time is limited and in the locomotive will behave as if you were used to when running locomotives without a brake key. This is especially handy when you hand the speed controller to someone who is not familiar with the brake key and you don't want them to run into another precious model locomotive.

Advised default CV settings brake key:
CV 4: 110 Rolling out delay (0-255). The higher the value, the longer the roll out. Default of this sound file is value 10.
CV 309: 2 Assign F key (1-28). With value 2 you are setting the brake key to F2.
CV 349: 6 Brake time (0-255). This lower the number, the faster the locomotive will come to a halt when pressing the chosen function key in CV 309.

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The **sound chuff** on this sound file for Zimo decoders has been tuned for the Rapidotrains Kerr Stuart Sirdar model. You can adjust the speed of the chuffs in CV 267 if you are using this with the original motor or another model. Default = 71. A lower value will give a faster chuff. If you like two loco with the same file to have a slightly different chuff speed when driving in consist, change CV 267 to 70 or 72.

The **guard's whistle** at F9 can be short or long, depending on how long you activate the F key. There is a second, short whistle at F19.

A short **Departure whistle** is disabled. To turn off: CV 581 > 0, to turn on: CV 581 > 25 (sound slot number Whistle Short).

The **Coupling** (F16) is a special one. The fire woman is announcing when to stop, so you press the button when you are a few centimeters away from the unit you are going to couple to. Listen to your fire woman when to stop. After coming to a halt, the sound of coupling up is played. Leave the F button pressed until you uncouple. The sound of uncoupling will be played when the button is turned off. If you want to swap to a male version, swap the sound number as following:

Female CV 558: Value 33
Male CV 558: Value 36

If you prefer just the coupling noise, this is available on F6.

The **random Sounds** will appear once in a while. Follow the instructions in the Zimo manual to change their timing or to disabling them by turning them to silent.
Z1: Injector
Z2: Cleaning footplate with broom
Z3: Wheel squeal (always active when driving and F1 (steam chuff) enabled, off when at standstill)
Z4: Grating
Z5: Shovelling on footplate

Light On sound is a satisfying click, connected to F0. The light, if available on the model, is active in both directions. To disable the clicking sound:
CV 570:
Value 37: Electric switch sound enabled
Value 0: No sound

If you want the **Coasting sound**, just turn the knob a little back, when running. After a short while coasting, the chuffing sound will come back.

If you want the most realistic sound experience when driving, turn on F14 to get the **rattle and the squeal** of a real driving Sirdar. It sounds realistic at all speeds and when you stop the model, it will be silenced. And turn on that Safety Valve (F11) and driver's chat (F15, turns automatically off when driving), that's also part of the real experience.

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