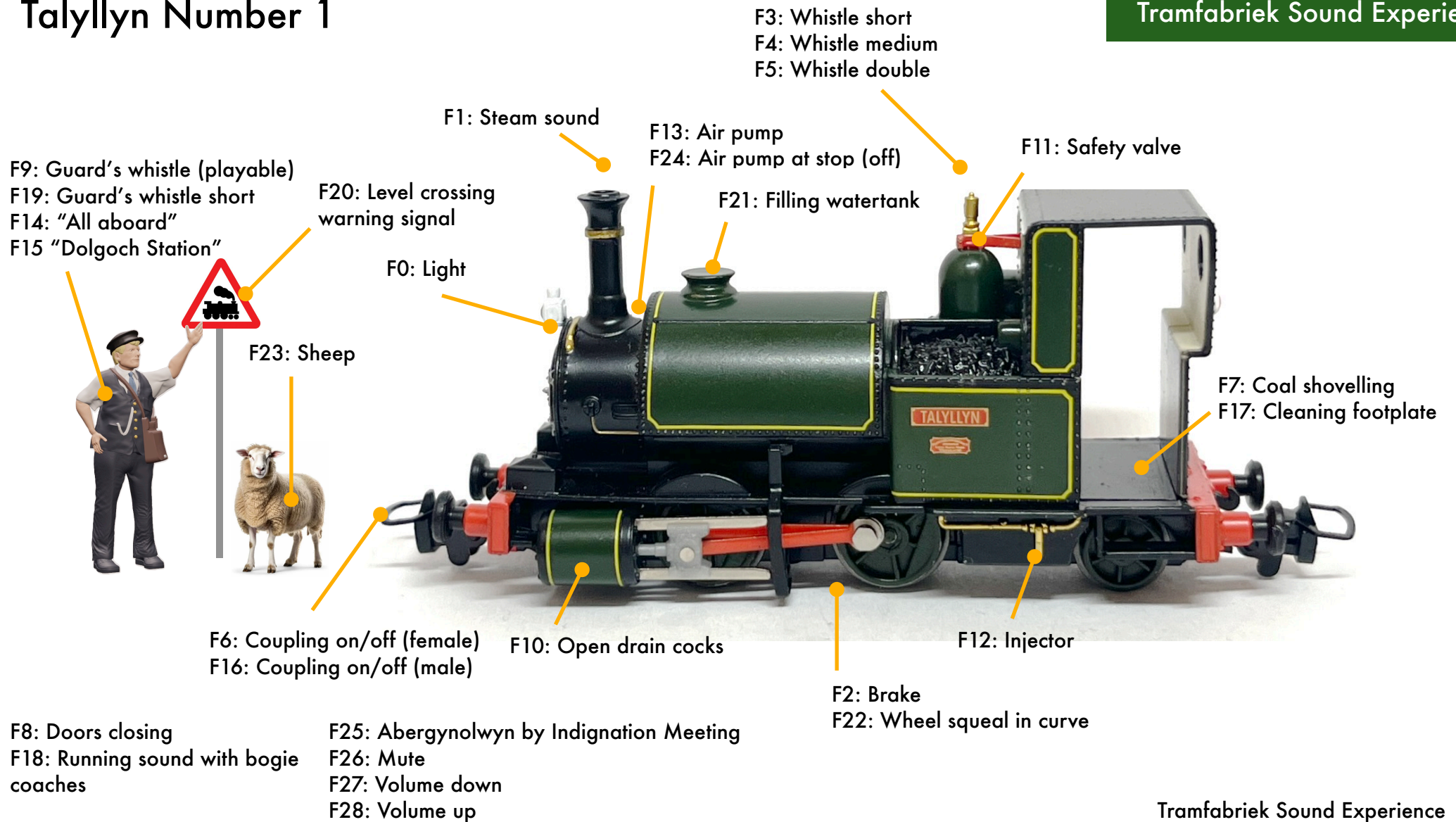


# Talylyn Number 1

Tramfabriek Sound Experience



Tramfabriek Sound Experience  
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## FUNCTION LIST

F0: Light on  
 F1: SOUND ON/OFF  
 F2: Brake key (CV309) + Brake sound  
 F3: Whistle Short  
 F4: Whistle Medium  
 F5: Whistle double  
 F6: Coupling on/off with female voice (leave pressed when coupled, release when uncoupling)  
 F7: Coal shovelling (fire box glow on AUX 1)  
 F8: Doors closing  
 F9: Guard's whistle (playable)  
 F10: Open drain cocks (cylinder blow out)  
 F11: Safety valve  
 F12: Injector  
 F13: Air pump  
 F14: Guard: "All aboard, please!"  
 F15: Guard: "Dolgoch station! For the falls... and the water"  
 F16: Coupling on/off with male voice  
 F17: Cleaning footplate  
 F18: Rail running sound with bogie coaches  
 F19: Guard's whistle Short  
 F20: Level crossing warning signal  
 F21: Filling water tank  
 F22: Wheel squeal in curve  
 F23: Sheep (F key = CV 980, Volume CV 981)  
 F24: Disable air pump at stop  
 F25: Abergynolwyn by Indignation Meeting (loop)  
 F26: Mute key  
 F27: Vol- (CV396)  
 F28: Vol+ (CV397)

## SOUND SLOTS

17	Abergynolwyn	50	Brake release
18	Grating	51	Guard's whistle short
19	Shovel, cleaning	52	Guard: "Dolgoch station!"
25	Coupling (Female)	53	Sheep 3
26	Coupling (Male)	54	Sheep 4
27	Light switch on/off	55	Sheep 5
28	Lighting match on/off	56	Sheep 6
29	Broom sweep	57	Porthmadog level crossing warning signal
33	Injector	58	Wheel squeal in curve
34	Safety valve	59	Rail running sound with bogie coaches
35	Guard's whistle Long	60	Filling water
36	Sheep 1	61	Splashing with water
38	Whistle Double	62	Guard: "All aboard, please"
39	Shovelling coal / FA1 on	63	Brake puff
40	Braking squeal	64	Brake puff (alternative)
41	Coupling on/off (no voice)	65	Air pump
42	Engine hiss		
43	Cylinder blowout		
44	Door slam		
45	Whistle Short		
46	Whistle Medium		
47	Reverser		
48	Sheep 2		

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) 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 train rolling out, when the brakes are not on. Now if you turn the speed controller in the direction of the zero position, the train 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 12). 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 train again with the brake key on. With the brake key active, the braking time is limited and in the train will behave as if you were used to when running trains 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 train.

CV settings brake key:

CV 4 - 25	Rolling out delay (0-255)
CV 309 - 2	Assign F key (1-28)
CV 349 - 6	Brake time (0-255)

The **sound chuff** on this sound file for Zimo decoders has been tuned for the Bachmann Tallylyn Nr.1 model with Tramfabriek coreless motor. You can adjust the speed of the chuffs in CV 267 if you are using this with the original motor or another model. Default = 174. A lower value is faster.

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 enabled. To turn off: CV 581 > 0, to turn on: CV 581 > 45 (sound slot number).

The **Coupling** (F6 female, F16 male) is a special one. The fire(wo)man 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(wo)man 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 the voices, swap the sound number in the following CVs:

F6 Female CV 528: Value 25

F16 Male CV 558: Value 26

If you prefer just the coupling noise on the chosen function button, set the value of the CV to 41 .

A short **departure whistle** is active, every time the loco starts to run. To turn off: CV 581 > 0. To turn on, CV 581 > 45 (sound slot number).

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: Air pump

Z4: Grating

Z5: Shovelling on footplate

Z6: Coal shovelling and fire box glow (only when running)

**Light on sound** is a satisfying click, connected to F0. The light is active in both directions. To turn the clicking sound off:

CV 570:

Value 27: Electric switch

Value 28 Lighting match

Value 0: Off

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.

The **song** on F25 is 'Abergynolwyn' by Indignation Meeting, used with permission of the band. This song was suggested by Tom Lee. Listen to more of their music at <https://indignationmeeting.bandcamp.com/>

# Use of the sound file

## **Personal use**

This sound file is made available to you by Tramfabriek Ltd. It can be freely used for personal use and installed on as many decoders as you like.

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