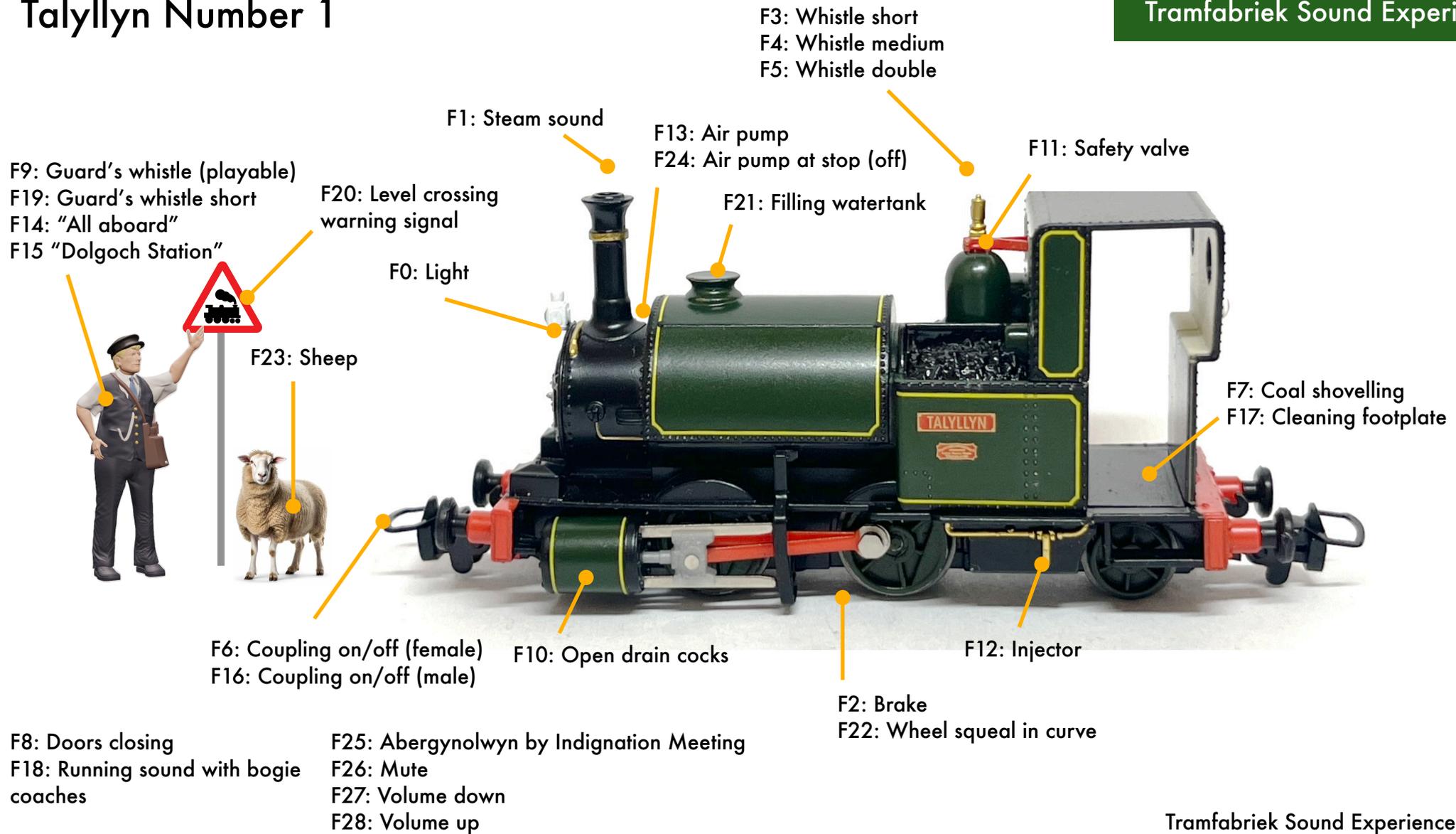


Talylyn Number 1



F9: Guard's whistle (playable)
 F19: Guard's whistle short
 F14: "All aboard"
 F15 "Dolgoch Station"

F20: Level crossing warning signal

F23: Sheep

F0: Light

F1: Steam sound

F13: Air pump
 F24: Air pump at stop (off)

F21: Filling watertank

F11: Safety valve

F7: Coal shovelling
 F17: Cleaning footplate

F6: Coupling on/off (female)
 F16: Coupling on/off (male)

F10: Open drain cocks

F12: Injector

F2: Brake
 F22: Wheel squeal in curve

F8: Doors closing
 F18: Running sound with bogie coaches

F25: Abergynolwyn by Indignation Meeting
 F26: Mute
 F27: Volume down
 F28: Volume up

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

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 Talyllyn 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/>

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