



# Class 47 Diesel Locomotive

## Sound Fitted Information (SF & SFX)

**Important: Please read this sheet before running your locomotive.**

Many thanks for purchasing one of our **Bachmann Branchline** Class 47 SOUND FITTED or SOUND FITTED DELUXE Locomotives. Please take the time to read through this sheet carefully before running your locomotive to ensure you get the most out of your model.

### Decoder Info.

#### Decoder & Speaker Spec.

Decoder: ESU LOKSOUND V5DCC Plux22

CV1 Address: 03

Speed Steps: 28/128

Dual Speakers: 1. 11 x 15mm (8 ohm)

2. 28mm Round (8 ohm)

Motorised Fans: Fitted to SOUND FITTED DELUXE (SFX) models only.

#### For Best Results.

Please make sure your DCC system is set to run on 128 speed steps to obtain the very best results from this decoder.

Keeping the track, wheels and pick-ups clean are essential to ensure good electrical contact and will also contribute to the decoder working to its best ability.

#### Loco Decoder Address.

This model is set with a default decoder address of 3.

#### Running on DC.

Your model is equipped with a ESU LOKSOUND V5DCC Plux22 sound decoder, this will still operate on DC powered track with directional lights and producing basic Prime Mover (engine) sounds, which will vary with speed, plus any other automated sounds.

**Please note:** SOUND FITTED Deluxe (SFX) models are fitted with functioning fans which will operate randomly with sounds on DC controlled track.

**Please note:** If this model is to be controlled with an analogue (DC) output controller **Bachmann Europe PLC recommend the use of a controller with a smoothed output.** If you intend to use a feedback type controller, or one with PWM (pulse width modulation) please consult the controller manufacturer before using it with this model.

### Useful Notes

#### F2. Loco Brake (Trigger)

**F2 On** - Slows the loco down whilst moving - if necessary to a stop. Releasing **F2** will allow the loco to return to its previous speed.

Change the value of **CV165** from **1** (default) to **0**, **2** or **3** for alternative brake squeal sounds.

#### F3 & F4. Horns (Trigger)

Change the value of **CV169** for alternative sound & behaviour options.

**CV169=0** - Default horns

**CV169=1** - Alt. horns & F4 Playable

**CV169=2** - Alt. horns & F4 Single Toot

**CV169=3** - Alt. horns & F4 Double Toot

#### F6. Coasting (Latch)

**F6 On** - Causes the sound of the engine revs to fall and the locomotive to coast automatically from any throttle position whilst not affecting the speed. During this time, the speed can still be adjusted if required without affecting the sound of the engine. This will continue until **F6** is turned Off.

#### F8. Coupling / Uncoupling (Latch)

Change the value of **CV164** for alternative coupling sounds.

**CV164=0** - Screwlink (Default)

**CV164=1** - Buckeye

**CV164=2** - Delner

#### F15. Uncoupling cycle (Latch)

**On** - A movement function to enable automatic uncoupling of tension-lock and knuckle couplings when over the uncoupling ramp or magnet.

**Please note:** This model should be removed from the track if you are changing the address of another model with an E-Z Command Control Centre.

## Function List - Class 47 (SF/SFX)

| No. | Function/Sound   | F Button <i>Suggested Setting</i> | Sound Type   |
|-----|--|-----------------------------------|--------------|
| 0   | Directional Lights On / Off                              | Latch                             | Switch       |
| 1   | <b>On</b> - Fuel Pump On - Warm Engine Start             | Latch                             | Continuous   |
|     | <b>On / Off</b> - Fuel Pump On - Failed Engine Start     | Latch                             | Single       |
|     | <b>On / Off / On</b> - Fuel Pump On - Cold Engine Start  | Latch                             | Continuous   |
| 2   | Brake (Function & Sound)                                 | Trigger                           | Continuous   |
| 3   | Horn (Two-tone)  | Trigger                           | -            |
| 4   | Horn (Single)  | Trigger                           | -            |
| 5   | Heavy Load (Lengthens Acceleration / Deceleration Times) | Latch                             | -            |
| 6*  | Coasting (Manual notch Down if F22 On)                   | Latch                             | Continuous   |
| 7*  | Maximum Revs (Manual notch Up if F22 On)                 | Latch                             | Continuous   |
| 8   | <b>On / Off</b> - Coupling Up / Uncoupling               | Latch                             | Single       |
| 9   | Flange Squeal (Speed Dependent)                          | Latch                             | Continuous   |
| 10* | Fan Operation & Noise (Noise only on SF models)          | Latch                             | Continuous   |
| 11  | Machine Room Lights On / Off                             | Latch                             | Switch Sound |
| 12  | <b>On</b> - Guard's Whistle                              | Latch                             | Single       |
|     | <b>Off</b> - Driver's Response Horn                      |                                   |              |
| 13  | Cab Lights On - No.1 End (Fan End)                       | Latch                             | Switch Sound |
| 14  | Cab Lights On - No.2 End (Non-Fan End)                   | Latch                             | Switch Sound |
| 15  | Auto Uncouple Cycle (Function)                           | Latch                             | -            |
| 16  | AWS Horn   | Trigger                           | Single       |
| 17  | AWS Bell   | Trigger                           | Single       |
| 18  | <b>On</b> - Sound Fades Out                              | Latch                             | -            |
|     | <b>Off</b> - Sound Fades In                              | Latch                             | -            |
| 19  | Mute   | <b>Latch</b>                      | -            |
|     | Volume - Cycles through 6 levels                         | <b>Trigger</b>                    | -            |
| 20  | Directional Lights Off - No.1 End (Fan End)              | Latch                             | Switch Sound |
| 21  | Directional Lights Off - No.2 End (Non-Fan End)          | Latch                             | Switch Sound |
| 22  | Manual Notching Logic - On / Off                         | Latch                             | -            |
| 23  | Spirax Valve   | Latch                             | Continuous   |
| 24  | Station Announcement                                     | Trigger                           | Single       |
| 25  | <b>On</b> - Driver's Door Open                           | Latch                             | Single       |
|     | <b>Off</b> - Driver's Door Shut                          | Latch                             | Single       |
| 26  | Air Dump   | Trigger                           | Single       |

**10\*** Fan operation and sounds are randomised, F10 allows you to override this and activate on demand.

**F6\* / F7\* with F22 On** - the engine rpm can be controlled by **F6 & F7**. It will decrease by one notch every time you turn **F6** On/Off and increase by one notch every time you turn **F7** On/Off. Whilst F22 is on you can still control the speed of the loco using the throttle.



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