



# Class 158 & 159 Diesel Multiple Units

## Sound Fitted Information

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

Many thanks for purchasing one of our **Bachmann Branchline** Class 158 or 159 Sound Fitted Diesel Multiple Units. Please take the time to read through this sheet carefully before running your DMU to ensure you get the most out of your model.

### Decoder Info.

#### Decoder & Speaker Spec.

Decoder type: Zimo PLuX22 MX645P22  
CV1 Address: 03  
Speed Steps: 28/128  
Speaker(s): 8 Ohms (159 has 2)

#### 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 it's best ability.

#### Loco Decoder Address.

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

#### Running on DC.

Your model will operate on DC powered track producing basic prime mover sounds only that will vary according to it's use, directional lights and passenger compartment lights. If sufficient voltage is available the leading cab lights will illuminate when stationary.

#### Light Functions.

To enable full DCC control of all lighting functions, please ensure that the four switches located on the underside of Car A (numbered 57xxx), positioned just behind the leading bogie, are all in the 'On' position.

#### F1. Engine Start (Latch)

There are four different start up sound sequences available with the Class 158 / 159. They are as follows.

**F1 On - Warm Start.** Engage F1. Engines start without delay and the model may be driven away immediately.

**F13 On, F1 On - Warm Start with Compressor Speed-up.** Engage F13 before F1. Engines start without delay and then speed up to drive the compressor faster to charge or replenish the air tanks. Movement is prevented until F13 is disengaged.

**F5 On, F1 On - Cold Start.** Engage F5 before engaging F1. Engines will crank for a longer duration before starting. The model may be driven away immediately.

**F5 On, F13 On, F1 On - Cold Start with Compressor Speed-up.** Engage both F5 and F13 before engaging F1. Engines will crank for a longer duration before firing and then speed up to drive the compressor faster to charge or replenish the air tanks. Movement is prevented until F13 is disengaged.

**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.

**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 158 & 159

No.	Function/Sound	F Button <i>Suggested Setting</i>	Sound Type
0	Directional Lights	Latch	-
1	Sound (On / Off) & Engine Start	Latch	Continuous Play
2	Brake (Non-Latching)	Trigger	Brake Sounds
3	Single Horn	Trigger	Single Play
4	Two-Tone Horn	Trigger	Single Play
5	Light Engine	Latch	Continuous Play
6	Engine Idle / Coasting	Latch	Continuous Play
7	Flange Squeal	Latch	Flange Squeal
8	Doors Opening (On) F1 On	Latch	Single Play
	Doors Closing (Off) F1 On	Latch	Single Play
9	Passenger Compartment Lights	Latch	-
10	Guard's Whistle	Trigger	Single Play
11	Driver's Buzzer (On)	Latch	Single Play
	Guard's Response (Off)	Latch	Single Play
12	Driver's Twin Buzzer (On)	Latch	Single Play
	Guard's Response (Off)	Latch	Single Play
13	Engine Speed Up	Latch	Continuous Play
14	Directional Lights - Day / Night Mode On - Day / Off - Night	Latch	-
15	Cab Lights - On / Off (Directional Dependent/Auto-Off When Moving)	Latch	-
16	Air Conditioning Fan	Latch	Continuous Play
17	Windscreen Wipers	Latch	Continuous Play
18	Doors Opening (On) F1 Off	Latch	Single Play
	Doors Closing (Off) F1 Off	Latch	Single Play
19	Fade All Sounds	Latch	-
20	Directional Lights Off (Car A, 57xxx)	Latch	-
21	Directional Lights Off (Car B, 52xxx)	Latch	-
22	Station Ambience	Latch	Continuous Play
23	Remote Telephone Test	Trigger	Single Play
24	Detonators	Trigger	Single Play
25	AWS	Trigger	Single Play
26	No User Access, Not for Re-mapping	-	-
27	Volume Down	Trigger	-
28	Volume Up	Trigger	-



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