



## Class 121 Diesel Multiple Unit SOUND FITTED Information

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

Many thanks for purchasing one of our **Bachmann Branchline** SOUND FITTED Class 121 DMUs. 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: Zimo MX645P22

CV1 Address: 03

Speed Steps: 28/128

Speaker: 0.7/1 Watt / 8 Ohm 11 x 15mm

**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.

**Do not use with Electronic Track Cleaners.**

#### 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.

**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.

#### Loco Decoder Address.

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

#### Running on DC.

Your model is equipped with a Zimo MX645P22 DCC Sound decoder but will operate on DC powered track producing movement & normal load running sounds and any other automatic and randomised sounds when power is applied.

## Function List - Class 121 DMU

No.	Function/Sound	F Button <i>Suggested Setting</i>	Sound Type
0	Directional Lights - On/Off	Latch	-
1	Warm Engine Start-up / Shut-down	Latch	Fixed Length
	<b>F5 On</b> - Cold Engine Start-up	Latch	Fixed Length
2	Brake	Trigger	Brake Sounds
3	Single Horn (Speed & Direction Dependent)	Trigger	Fixed Length
4	Two Tone Horn (Speed & Direction Dependent)	Trigger	Fixed Length
5	Cold Start ( <b>engage F5 before F1</b> )	Latch	Fixed Length
	Light Load	Latch	-
6	Engine Cruise / Compressor Speed-up	Latch	Continuous Play
7	Flange Squeal (at Speed Steps 1-39 of 127)	Latch	Continuous Play
8	Detonators (Speed Variable)	Trigger	-
9	Saloon Lighting - On/Off	Latch	-
10	Guard's Whistle	Trigger	Fixed Length
11	Crawler Mode (Low speed & sounds only)	Latch	-
12	<b>On</b> - Guard's Single Buzzer	Latch	Fixed Length
	<b>Off</b> - Driver's Single Buzzer Response		
13	<b>On</b> - Guard's Double Buzzer	Latch	Fixed Length
	<b>Off</b> - Driver's Double Buzzer Response		
14	<b>On</b> - Driver's Door Open	Latch	Fixed Length
	<b>Off</b> - Driver's Door Closed		
15	Passenger Door Slam (Before moving)	Latch	Fixed Length
16	Non-Exhaust Destination Blind Light - On/Off	Latch	-
17	Exhaust End Destination Blind Light - On/Off	Latch	-
18	Fade All Sounds	Latch	-
19	Windscreen Wipers	Latch	Continuous Play
20	Non-Exhaust End Directional Lights - Off/On	Latch	-
21	Exhaust End Directional Lights - Off/On	Latch	-
22	Rail Join Clatter - Off/On (Speed Variable)	Latch	Continuous Play
23	<b>On</b> - Passenger Door Open	Latch	Fixed Length
	<b>Off</b> - Passenger Door Closed		
24	Cab Lights - On/Off	Latch	-
25	Handbrake	Latch	-
26	Air Tank Drain Down	Trigger	Fixed Length
27	Volume Down	Trigger	-
28	Volume Up	Trigger	-



Bachmann Europe PLC, Moat Way, Barwell, Leicestershire, LE9 8EY, England.  
[www.bachmann.co.uk](http://www.bachmann.co.uk)