Gopher Models N Scale 38 Class - Sound Fitted

by Buckambool Model Trains

Function Button	Sound/Lighting Functions	Notes
F0	Directional lighting (forward/reverse)	Forward - front headlight Reverse - rear white marker lights
F1	Guards whistle	
F2	Locomotive whistle	Variable length
F3	Three short whistles	Warning whistle prior to reversing
F4	Drain cocks	Clears condensed steam from cylinders
F5	Coupler clank	
F6	*MAXI CHUFF*™	Heavy and loud chuffing
F7	Front headlight high beam	Dim by default, high beam when activated
F8	Sound off	Sound is on by default
F9	Rear red marker lights	Active running in forwards direction only
F10	Wheel slip	Sound only, sadly!
F11	Opening and closing tender hatch	
F12	Shovelling coal	Will also play at random intervals
F13	Safety valve blowing off	Will also play at random intervals
F14	Compressor	Will also play at random intervals
F15	Decrease master volume	
F16	Increase master volume	
F17	Injector	Will also play at random intervals
F18	Shunting mode	Momentum drastically reduced
F20	Easter egg (surprise sound)	

cut here to fit table below into front or back of box

F0 - Directional lighting	**F5** - Coupler Clank	**F10** - Wheel slip	**F15** - Volume -
F1 - Guards whistle	**F6** - *MAXI CHUFF*™	**F11** - Tender hatch	**F16** - Volume +
F2 - Locomotive whistle	**F7** - H-light high beam	**F12** - Shovelling coal	**F17** - Injector
F3 - Three short whistles	**F8** - Sound off	**F13** - Safety valve	**F18** - Shunting mode
F4 - Drain cocks	**F9** - Rear red markers	**F14** - Compressor	**F20** - Easter egg

Factory Reset

To reset CV settings back to the default values of the sound project, program CV8 = 8

Your 38 Class locomotive is fitted with a ZIMO MS590N18 miniature Next18 sound decoder. For more information on this decoder please visit the Buckambool Model Trains website to download a copy of the latest ZIMO MS/MN decoder manual.

Running Characteristics

By default your locomotive has a large amount of momentum pre-programmed. If you wish to reduce it, reduce the values programmed to CV23 (acceleration) and CV24 (deceleration).

Volume Adjustments

If you would like to adjust the volumes of various sounds controlled by function buttons, random sounds and others relating to the driving of your locomotive, please consult the table below.

Please note the table shows the default values programmed to each CV value. Increase their value to increase their volume, vice versa to decrease their volume. Should you wish to disable a sound altogether, please consult the ZIMO manual or contact us.

Function Button	Volume adjustment (1-255)	Other sounds	Volume adjustment (1-255)
F0	CV571 = 11	**Z1** Compressor (after stopping)	CV745 = 46
F1	CV514 = 91	**Z2** Compressor (random)	CV748 = 46
F2	CV517 = 255	**Z3** Injector	CV751 = 32
F3	CV520 = 255	**Z4** Shovelling coal	CV754 = 23
F4	CV584 = 128	**Z5** Safety valve bowing off	CV757 = 128
F5	CV526 = 91	Direction change	CV576 = 32
F10	CV541 = 255	Brakes	CV578 = 91
F11	CV544 = 128	*WARNING!* *Please take care adjusting volumes, increasing certain sounds too much may cause the speaker to distort or be damaged*	
F12	CV547 = 23		
F13	CV550 = 128		
F14	CV553 = 46	**Master volume**	CV266 = 100 (1-100)
F17	CV562 = 32		*values above 100 will cause the speaker to distort*
F20	CV674 = 255		

bmodeltrains@gmail.com 0430 460 985 www.bmodeltrains.com.au

Contact Details

If you have any questions about this sound fitted locomotive or have a warranty or repair concern, please don't hesitate to contact us:

bmodeltrains@gmail.com 0430 460 985 www.bmodeltrains.com.au