

Bachmann HO GP40 Sound Value™ Equipped



Horn Selections:

Nathan P3 (Default)	0
Nathan P5 early	1
Leslie S3L	2

Prime Mover: EMD 645T

Configuration Variable Defaults

CV #	Description	Default Value	CV #	Description	Default Value
1	Primary Address Control	3	116	Exhaust Control	39
2	V Start	0	128	Master Volume Control	192
3	Baseline Acceleration Rate	6	129	Horn Volume Control	225
4	Baseline Braking Rate	5	130	Bell Volume Control	64
5	V Max	0	131	Exhaust Volume Control	196
6	V Mid	0	133	Dynamic Brake Volume	196
7	Manufacturer Version ID	Read Only	193	Automatic Bell ON Set Point	5
8	Manufacturer ID	141	194	Automatic Bell OFF Set Point	10
10	BEMF Cutout	0	195	Grade Crossing Sensitivity	4
11	Packet Timeout Value	0	197	Analog Mode Sound Config.	6
12	Alternate Power Source	1	198	DCC Mode Auto Sound Config.	0
13	Analog Mode Functions	0	209	Kp Coefficient	80
14	Analog Function Enable 1	3	210	Ki Coefficient	8
15	CV Unlock Code	0	212	Motor Control Intensity	255
16	CV Lock Code	0	213	Motor Control Sample Period	8
17	Extended Address	192	214	Motor Control Aperture Time	8
18	Extended Address	3	216	BEMF Reference Voltage	140
19	Consist Address	0			
21	Consist Function Group 1	0			
22	Consist Function Group 2	0			
23	Consist Acceleration Rate	0			
24	Consist Braking Rate	0			
25	Speed Table Selection	16			
29	Configuration Register 1*	22			
30	Alternate mode selection	0			
33	F0(f) Output Location	3			
34	F0(r) Output Location	3			
35	F1 Output Location	8			
36	F2 Output Location	4			
37	F3 Output Location	16			
38	F4 Output Location	8			
39	F5 Output Location	0			
40	F6 Output Location	0			
41	F7 Output Location	16			
42	F8 Output Location	32			
43	F9 Output Location	0			
44	F10 Output Location	0			
49	Hyperlight Effects	142			
50	Hyperlight Effects	141			
59	Flash Rate	4			
60	Crossing Hold Time	4			
63	Analog Mode Motor Start Voltage	35			
64	Analog Mode Max Voltage	180			
66	Forward Trim	128			
67-94	Speed Table	Varies			
95	Reverse Trim	128			
105	User Identifier #1	---			
106	User Identifier #2	---			
114	Bell Ring Rate	6			
115	Horn Selection	0			

* CVs 5 and 6 are inactive when bit 4 of CV 29 is set to 1 (decimal value of 16).