

Bachmann HO 4-4-0 Sound Value™ Equipped



Whistle Selections:

Tweetsie (default)	0
Southern Single Chime	1
Lunkenheimer 3-Chime	2

Exhaust Chuff: Light Steam

Air Compressor: Single Phase (muted per prototype)

Configuration Variable Defaults

CV #	Description	Default Value	CV #	Description	Default Value
1	Primary Address	3	129	Whistle Volume Control	150
2	V Start	0	130	Bell Volume Control	125
3	Baseline Acceleration Rate	6	131	Exhaust Volume Control	96
4	Baseline Deceleration Rate	5	132	Air Compressor Volume Control	0
5	V Max	0	193	Automatic Bell ON Set Point	5
6	V Mid	0	194	Automatic Bell OFF Set Point	12
7	Manufacturer Version ID	Read Only (82)	195	Grade-Crossing Whistle Sensitivity	4
8	Manufacturer ID	141	197	Analog Mode Auto.Sound Config.	6
10	BEMF Cutout	0	198	DCC Mode Auto.Sound Config.	0
11	Packet Time-Out Value	0	209	PID Kp Coefficient	20
12	Alternate Power Source	1	210	PID Ki Coefficient	40
13	Analog Mode Function (F1-F8)	0	212	Motor Control Intensity	255
14	Analog Mode Function (F0, F9-F12)	3	213	Motor Control Sample Period	8
15	CV Unlock Code	0	214	Motor Control Aperture Time	8
16	CV Lock Code	0	216	Motor Control Reference Voltage	140
19	Consist Address	0			
21	Consist Function (F1-F8)	0			
22	Consist Function (F0, F9-F12)	0			
23	Consist Acceleration Rate	0			
24	Consist Deceleration Rate	0			
25	Speed Table Selection	0			
29	Configuration Register 1	6			
30	Alternate Mode Selection	0			
33	F0(f) Output Location	1			
34	F0(r) Output Location	1			
35	F1 Output Location	8			
36	F2 Output Location	4			
37	F3 Output Location	16			
38	F4 Output Location	32			
39	F5 Output Location	0			
40	F6 Output Location	0			
41	F7 Output Location	16			
42	F8 Output Location	32			
49	Hyperlight Effects- Headlight	129			
50	Hyperlight Effects- Backlight	0			
59	Hyperlight Flash Rate	4			
60	Grade-Crossing Hold Time	4			
63	Analog Mode Motor Start Voltage	25			
64	Analog Mode Max. Motor 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	7			
115	Whistle Selection	0			
116	Engine Exhaust Control	92			
128	Master Volume Control	125			

Function Assignments

F0	Front Light
F1	Bell
F2	Whistle
F3	Short Whistle
F4	Steam Release
F7	Dimmer
F8	Mute