

# Bachmann HO E7 Sound Value™ Equipped



## Airhorn Selections:

Leslie A125/200 Combo (default)	0
Nathan M3	1
Nathan M5	2

**Prime Mover:** Dual EMD 567

## Configuration Variable Defaults

CV #	Description	Default Value	CV #	Description	Default Value
1	Primary Address	3	112	Sound Configuration 1	0
2	V Start	0	114	Bell Ring Rate	6
3	Baseline Acceleration Rate	6	115	Whistle Selection	0
4	Baseline Braking Rate	5	116	Engine Exhaust Control	39
5	V Max	0	118	Max. Engine Recovery Speed	204
6	V Mid	0	128	Master Volume Control	192
7	Manufacturer VersionID	0	129	Horn Volume Control	225
8	Manufacturer ID	141	130	Bell Volume Control	64
10	BEMF Cutout	0	131	Exhaust Volume Control	196
11	Packet Time-Out Value	0	193	Automatic Bell ON Set Point	5
12	Alternate Power Source	1	194	Automatic Bell OFF Set Point	10
13	Analog Mode Function (F1-F8)	48	195	Grade-Crossing Whistle Sensitivity	4
14	Analog Mode Function (F0, F9-F12)	3	196	Brake Squeal Sensitivity	3
15	CV Unlock Code	0	197	Analog Mode Auto. Sound Config.	6
16	CV Lock Code	0	198	DCC Mode Auto. Sound Config.	0
19	Consist Address #1	0	209	PID Kp Coefficient	80
21	Consist Function Active (F1-F8)	0	210	PID Ki Coefficient	8
22	Consist FL Function Active (F0, F9-F12)	0	212	Motor Control Intensity	255
23	Consist Acceleration Rate	0	213	Motor Control Sample Period	8
24	Consist Braking Rate	0	214	Motor Control Sample Window Size	8
25	Speed Table Selection	16	216	Motor Control Reference Voltage	140
29	Configuration Register 1	22	217	Motor Control Register	2
30	Error Information	0	218	Analog Mode Engine Sound Start	15
33	FL(f) Output Location	3			
34	FL(r) Output Location	3			
35	F1 Output Location	8			
36	F2 Output Location	4			
37	F3 Output Location	16			
38	F4 Output Location	0			
39	F5 Output Location	2			
40	F6 Output Location	4			
41	F7 Output Location	16			
42	F8 Output Location	32			
43	F9 Output Location	0			
44	F10 Output Location	0			
45	F11 Output Location	0			
46	F12 Output Location	0			
49	Hyperlight Effects- Headlight	142			
50	Hyperlight Effects- Backlight	141			
51	FX5 Configuration	130			
52	FX6 Configuration	0			
57	FX Direction Control	49			
59	Hyperlight Flash Rate	4			
60	Grade-Crossing Hold Time	4			
63	Analog Mode Motor Start Voltage	35			
64	Analog Mode Max. Motor Voltage	180			
66	Forward Trim	128			
67-94	Speed Table	Varies			
95	Reverse Trim	128			
105	User Identifier #1	4			
106	User Identifier #2	32			

## Function Assignments

F0	Front/ Rear Lights
F1	Bell
F2	Airhorn
F3	Short Airhorn
F5	Mars Light
F6	On/Off Light
F7	Dimmer
F8	Mute