

Bachmann HO USRA 4-6-2 Sound Value™ Equipped



Whistle Selections:

Hancock Short Bell 3-Chime Road Mix (default)	0
Nathan 5-Chime Road Mix	1
Reading 6-Chime	2

Exhaust Chuff: Medium Steam

Air Compressor: Cross Compound

Configuration Variable Defaults

CV #	Description	Default Value	CV #	Description	Default Value
1	Primary Address	3	112	Sound Configuration 1	0
2	V Start	0	113	Quiet Mode Control 2	0
3	Baseline Acceleration Rate	6	114	Bell Ring Rate	9
4	Baseline Braking Rate	5	115	Whistle Selection	0
5	V Max	0	116	Engine Exhaust Control	92
6	V Mid	0	118	Max. Engine Recovery Speed	204
7	Manufacturer Version ID	0	128	Master Volume Control	225
8	Manufacturer ID	141	129	Whistle Volume Control	195
10	BEMF Cutout	0	130	Bell Volume Control	40
11	Packet Time-Out Value	0	131	Exhaust Volume Control	75
12	Alternate Power Source	1	132	Air Pump Volume Control	40
13	Analog Mode Function (F1-F8)	0	134	Blower Volume Control	16
14	Analog Mode Function (F0, F9-F12)	3	136	Steam Release Volume Control	96
15	CV Unlock Code	0	193	Automatic Bell ON Set Point	5
16	CV Lock Code	0	194	Automatic Bell OFF Set Point	28
19	Consist Address #1	0	195	Grade-Crossing Whistle Sensitivity	4
21	Consist Function Active (F1-F8)	0	196	Brake Squeal Sensitivity	3
22	Consist FL Function Active (F0, F9-F12)	0	197	Analog Mode Auto. Sound Config.	7
23	Consist Acceleration Rate	0	198	DCC Mode Auto. Sound Config.	0
24	Consist Braking Rate	0	209	PID Kp Coefficient	60
25	Speed Table Selection	0	210	PID Ki Coefficient	30
29	Configuration Register 1	6	212	Motor Control Intensity	255
30	Error Information	0	213	Motor Control Sample Period	8
33	FL(f) Output Location	3	214	Motor Control Sample Window Size	8
34	FL(r) Output Location	3	216	Motor Control Reference Voltage	70
35	F1 Output Location	8	217	Motor Control Register	2
36	F2 Output Location	4	218	Analog Mode Engine Sound Start	15
37	F3 Output Location	16			
38	F4 Output Location	32			
39	F5 Output Location	0			
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			
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	4			
106	User Identifier #2	28			

Function Assignments

F0	Front/ Rear Lights
F1	Bell
F2	Whistle
F3	Short Whistle
F4	Steam Release
F6	Smoke Generator
F7	Dimmer
F8	Mute