

Bachmann HO GS-4 SP 4-8-4

SoundValue™ Equipped



Default Values

Whistle Selections	CV 115 Value	
Southern Pacific 6-Chime	0	Exhaust Chuff: Medium Steam
Southern Pacific No.4449	1	Air Pump: Cross Compound
Southern Pacific No.4449 Airhorn	2	

Default Function Assignments

F0	Front/Rear Light	F3	Short Whistle	F6	Smoke Generator
F1	Bell	F4	Steam Release	F7	Dimmer
F2	Whistle	F5	(not used)	F8	Mute

Default Volume, Alternate Mixer, and Reverb Mixer Settings

CV	Sound Effect	Volume	CV	Sound Effect	Volume	CV	Sound Effect	Volume
128	Master Volume	175	131	Exhaust	96	136	Steam Hiss	96
129	Whistle	128	132	Air Pump	40			
130	Bell	64	134	Blower	16			

Configuration Variable Default Values

CV	Description	Value	CV	Description	Value	CV	Description	Value
1	Primary Address	3	29	Configuration Data 1	6	67-95	Speed Table	Varies
2	V Start	0	30	Error Information	0	95	Reverse Trim	128
3	Baseline Acceleration Rate	6	33	FL(f) Output Location	3	105	User Identifier #1	4
4	Baseline Braking Rate	5	34	FL(r) Output Location	3	106	User Identifier #2	37
5	V Max	0	35	F1 Output Location	8	112	Sound Configuration 1	1
6	V Mid	0	36	F2 Output Location	4	114	Bell Ring Rate	6
7	Manufacturer Version ID	82	37	F3 Output Location	16	115	Whistle Selection	0
8	Manufacturer ID	141	38	F4 Output Location	32	116	Engine Exhaust Control	92
10	BEMGF Cutout	0	39	F5 Output Location	0	118	Max. Engine Recovery Speed	204
11	Packet Time-Out Value	0	40	F6 Output Location	4	193	Automatic Bell On Point	5
12	Alternate Power Source	1	41	F7 Output Location	16	194	Automatic Bell Off Point	12
13	Analog Mode Function (F1-8)	0	42	F8 Output Location	32	195	Grade-Crossing Whistle Sensitivity	4
14	Analog Mode Function (F0, F9-12)	3	43	F9 Output Location	0	196	Brake Squeal Sensitivity	3
15	CV Unlock Code	0	44	F10 Output Location	0	197	Analog Mode auto Sound Config.	7
16	CV Lock Code	0	45	F11 Output Location	0	198	DCC mode Auto Sound Config.	0
17	Extended Address MSB	192	46	F12 Output Location	0	209	PID Kp Coefficient	60
18	Extended Address LSB	3	49	Hyperlight Effect-Headlight	142	210	PID Ki Coefficient	30
19	Consist Address	0	50	Hyperlight Effect-Backlight	141	212	Motor Control Intensity	255
21	Consist Function Active (F1-8)	0	59	Hyperlight Flash Rate	4	213	Motor Control Sample Period	8
22	Consist Function Active (F0, F9-12)	0	60	Grade-Crossing Hold Time	4	214	Motor Control Sample Window Size	8
23	Consist Acceleration Rate	0	63	Analog Mode Motor Start Volt.	15	216	Motor Control Reference Volt.	70
24	Consist Braking Rate	0	64	Analog Mode Max. Motor Volt.	180	217	Motor Control Register	2
25	Speed Table Selection	0	66	Forward Trim	128	218	Analog Mode Engine Sound Start	15