

# Bachmann N 2-8-4 Berkshire Sound Value™ Equipped



## Whistle Selections:

Contains multiple selections dependent on model; see end of document.

**Exhaust Chuff:** Medium Steam

**Airpump:** Cross Compound

## Configuration Variable Defaults

CV #	Description	Default Value	CV #	Description	Default Value
1	Primary Address	3	41	F7 Output Location	16
2	V Start	0	42	F8 Output Location	32
3	Baseline Acceleration Rate	6	49	Hyperlight Effects	142
4	Baseline Deceleration Rate	5	50	Hyperlight Effects	141
5	V Max	0	59	Flash Rate	4
6	V Mid	0	60	Grade-Crossing Hold Time	4
7	Manufacturer Version ID	Read Only	63	Analog Mode Motor Start Voltage	25
8	Manufacturer ID	141	64	Analog Mode Max. Motor Voltage	180
10	BEMF Cutout	0	66	Forward Trim	128
11	Packet Time-Out Value	0	67-94	Speed Table	Varies
12	Power Source Conversion	1	95	Reverse Trim	128
13	Analog Function Enable 1	0	105	User Identifier #1	---
14	Analog Function Enable 2	3	106	User Identifier #2	---
15	CV Unlock Code	0	114	Bell Ring Rate	5
16	CV Lock Code	0	115	Whistle Selection	0
17	Extended Address	192	116	BEMF Auto Chuff Rate	92
18	Extended Address	3	128	Master Volume Control	225
19	Consist Address	0	129	Whistle Volume Control	225
21	Consist Function Enable 1	0	130	Bell Volume Control	40
22	Consist Function Enable 2	0	131	Exhaust Volume Control	96
23	Consist Acceleration Rate	0	132	Airpump Volume	40
24	Consist Deceleration Rate	0	193	Automatic Bell ON Set Point	5
25	Speed Table Selection	0	194	Automatic Bell OFF Set Point	12
29	Configuration Register 1	6	195	Grade-Crossing Whistle Sensitivity	4
30	Alternate Mode Selection	0	197	Analog Mode Auto. Sound Config.	6
33	F0(f) Output Location	3	198	DCC Mode Auto. Sound Config.	0
34	F0(r) Output Location	3	209	Kp Coefficient	25
35	F1 Output Location	8	210	Ki Coefficient	20
36	F2 Output Location	4	212	Motor Control Intensity	255
37	F3 Output Location	16	213	Motor Control Sample Period	8
38	F4 Output Location	32	214	Motor Control Aperture Time	3
39	F5 Output Location	0	216	BEMF Reference Voltage	140
40	F6 Output Location	4			

## Whistle Selections:

### Pere Marquette

D&RGW K-36 No. 489 3-Chime (Default)	0
Reading 6-Chime	1
Frisco No. 1522	2

### Nickel Plate

SP 6-Chime (Default)	0
Reading 6-Chime	1
B&O 3-Chime	2

### Chesapeake & Ohio Kanawha

SF Freight (Default)	0
UP Big Boy No. 4018	1
B&O 3-Chime	2