

DCC operation

Light Genie™ will operate like most standard NMRA decoders, but without speed control functions. The decoder can be controlled using the many of the function buttons on your DCC controller.



Light Genie™ like most DCC decoders, is preset with a default address of #3.

Light Genie™ uses short addressing (1-127). Programming can be done on the “program track” and/or “main track”. Once you have given your Light Genie™ decoder an address, use the accessory function to turn on/off light, change lighting effects, change brightness/dimness, and light effect rate.

Function	Operation
F1	Zone 1 On/Off
F0	Zone 2 On/Off
F3	Zone 3 On/Off
F4	Zone 4 On/Off
F5	Zone 5 On/Off
	Master Power On/Off
F7	Dim Last Controlled Light Zone
F8	Brighten Last Controlled Light Zone

Below is the CV Programming Chart for Light Genie™

CV	Description	Range	Default
CV1	Short Address	1-127	3
CV19	Advanced Consist Address	0-127	0
CV51	Zone 1 Light Effect	0-20	0
CV52	Zone 2 Light Effect	0-20	0
CV53	Zone 3 Light Effect	0-20	0
CV54	Zone 4 Light Effect	0-20	0
CV55	Zone 5 Light Effect	0-20	0
CV61	Zone 1 Brightness	0-200	200
CV62	Zone 2 Brightness	0-200	200
CV63	Zone 3 Brightness	0-200	200
CV64	Zone 4 Brightness	0-200	200
CV65	Zone 5 Brightness	0-200	200
CV71	Zone 1 Light Rate	0-32	15
CV72	Zone 2 Light Rate	0-32	15
CV73	Zone 3 Light Rate	0-32	15
CV74	Zone 4 Light Rate	0-32	15
CV75	Zone 5 Light Rate	0-32	15
CV125	Programming to "1" will restore some CV's to factory settings	---	0

Consisting Light Genie™

Light Genie™ may be consisted with other Light Genies™, in the same way that you would consist locomotive decoders. This will allow you to operate multiple Light Genies™ as one unit; while still allowing each Light Genie™ to function as independent decoder with its own address. Consisting is programmed through CV19 using addresses (0-127).

Light Effect Chart		
Effect #	Light Effect	Applications
0	On/Off	
1	Sequential Flash w/Pause	Arrow Lighting
2	Crossing Signal/Traffic Street Light*	Railroad Crossing Signal/Street Traffic Lights
3	Alternating Flash - Always On	Police Car – Head/Tail Lights
4	Simultaneous Flash	Warning Lights, Towers, Runway Lights
5	Sequential Flash	Roadside Flashers
6	Gyra light	
7	Gyra light on at the same time	
8	Oscillation	Cell Phone Towers/Airplanes
9	Oscillation (Simultaneous)	
10	Stepped Lighting	Dim-Medium-Bright Lighting Cycle
11	Stepped Lighting (Parralled)	
12	Single Strobe (Varied/Alternating)	
13	Single Strobe (Simultaneous)	
14	Double Strobe (Varied/Alternating)	
15	Double Strobe (Simultaneous)	
16	Rotating Beacon	
17	Rotating Beacon (Simultaneous)	
18	Flicker (Pattern 1)	Camp Fire/Fire Place/Furnace/Foundry
19	Flicker (Pattern 2)	Gas Lamp/TV
20	Varied Intensity	Arc Welding