

## Bachmann 36-567/Zimo MX618 Decoder Settings for Dapol N Class 68

The internal switches on the PCB need to be set correctly:

SW1: P2

SW2: P2

SW3: P1

SW4: P1

SW5: P2

(refer to Dapol manual supplied with loco for details of switch locations)

### Function Keys

Front refers to direction of travel

F0/lights	Front headlight on, rear tail light on (light engine)
F1	Front headlight on, rear tail light off (hauling a train)
F2	Front headlight off, rear tail light on (propelling a train)
F3	Front cab light on
F4	no function
F5	no function
F6	Dim front headlight
F7	Dim front cab light

### Decoder Settings

The following are screen shots of the appropriate pages of JMRI Decoder Pro. These pages only cover setting the basic DCC address and then everything necessary to make the lighting functions work correctly. Motor and speed settings have been left at their defaults. The final pages list all the decoder CVs in case the reader wishes to use something other than JMRI for decoder programming.



Smoke	Zimo Specific	RailCom	ABC	Speed Regulation	Servos	Decoder Lock	Load Code																																																								
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**ID:** Class 68 Defiant  
**Filename:** Class\_68\_Defiant.xml  
**Number:** 68005  
**Manufacturer:** Dapol  
**Model:** 6805  
**Decoder Model:** MX618N18 version 31  
**Decoder Family:** Zimo Unified software (version 25+)

Value			Value			Value		
CV	Dec	Hex	CV	Dec	Hex	CV	Dec	Hex
1	3	03	62	0	00	123	0	00
2	1	01	63	51	33	124	131	83
3	2	02	64	0	00	125	1	01
4	1	01	65	2	02	126	2	02
5	1	01	66	0	00	127	2	02
6	1	01	67	4	04	128	1	01
7	36	24	68	7	07	129	2	02
8	145	91	69	10	0A	130	1	01
9	77	4D	70	13	0D	131	0	00
10	0	00	71	16	10	132	0	00
13	0	00	72	20	14	133	0	00
14	67	43	73	24	18	134	106	6A
17	218	DA	74	28	1C	135	0	00
18	149	95	75	32	20	136	128	80
19	0	00	76	36	24	137	0	00
21	0	00	77	42	2A	138	0	00
22	0	00	78	48	30	139	0	00
23	0	00	79	54	36	140	0	00
24	0	00	80	60	3C	141	20	14
27	0	00	81	68	44	142	5	05
28	3	03	82	76	4C	143	0	00
29	42	2A	83	84	54	144	128	80
33	9	09	84	92	5C	145	0	00
34	6	06	85	102	66	146	0	00
35	5	05	86	112	70	147	0	00
36	10	0A	87	124	7C	148	0	00
37	6	06	88	136	88	149	0	00
38	4	04	89	152	98	150	0	00
39	8	08	90	168	A8	151	0	00
40	16	10	91	188	BC	152	0	00
41	4	04	92	208	D0	153	0	00
42	8	08	93	230	E6	154	0	00
43	16	10	94	252	FC	155	0	00
44	32	20	95	0	00	156	0	00
45	64	40	105	0	00	157	0	00

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46	128	80	106	0	00	161	0	00
49	0	00	107	0	00	162	49	31
50	0	00	108	0	00	163	205	CD
51	20	14	112	0	00	164	127	7F
52	40	28	113	0	00	165	10	0A
53	70	46	114	0	00	166	49	31
54	110	6E	115	0	00	167	205	CD
55	180	B4	116	0	00	168	127	7F
56	55	37	117	0	00	169	10	0A
57	0	00	118	0	00	181	0	00
58	255	FF	119	5	05	182	0	00
59	5	05	120	48	30	250	243	F3
60	64	40	121	0	00			
61	0	00	122	0	00			