

# DMX TRAITS

CHANNEL								DMX VALUES	FUNCTION
6CH	8CH	10CH	11CH	16CH	48CH	57CH	96CH		
1	1	1	1	1				000 - 255	<b>Red (All LEDs), 0-100%</b>
2	2	2	2	2				000 - 255	<b>Green (All LEDs), 0-100%</b>
3	3	3	3	3				000 - 255	<b>Blue (All LEDs), 0-100%</b>
4	4	4	4	4				000 - 255	<b>White (All LEDs), 0-100%</b>
5	5	5	5	5				000 - 255	<b>Amber (All LEDs), 0-100%</b>
6	6	6	6	6				000 - 255	<b>UV (All LEDs), 0-100%</b>
					1	1	1	000 - 255	<b>Red Zone 1, 0-100%</b>
							2	000 - 255	<b>Red Fine Zone 1, 0-100%</b>
					2	2	3	000 - 255	<b>Green Zone 1, 0-100%</b>
							4	000 - 255	<b>Green Fine Zone 1, 0-100%</b>
					3	3	5	000 - 255	<b>Blue Zone 1, 0-100%</b>
							6	000 - 255	<b>Blue Fine Zone 1, 0-100%</b>
					4	4	7	000 - 255	<b>White Zone 1, 0-100%</b>
							8	000 - 255	<b>White Fine Zone 1, 0-100%</b>
					5	5	9	000 - 255	<b>Amber Zone 1, 0-100%</b>
							10	000 - 255	<b>Amber Fine Zone 1, 0-100%</b>
					6	6	11	000 - 255	<b>UV Zone 1, 0-100%</b>
							12	000 - 255	<b>UV Fine Zone 1, 0-100%</b>
					7	7	13	000 - 255	<b>Red Zone 2, 0-100%</b>
							14	000 - 255	<b>Red Fine Zone 2, 0-100%</b>
					8	8	15	000 - 255	<b>Green Zone 2, 0-100%</b>
							16	000 - 255	<b>Green Fine Zone 2, 0-100%</b>
					9	9	17	000 - 255	<b>Blue Zone 2, 0-100%</b>
							18	000 - 255	<b>Blue Fine Zone 2, 0-100%</b>
					10	10	19	000 - 255	<b>White Zone 2, 0-100%</b>
							20	000 - 255	<b>White Fine Zone 2, 0-100%</b>
					11	11	21	000 - 255	<b>Amber Zone 2, 0-100%</b>
							22	000 - 255	<b>Amber Fine Zone 2, 0-100%</b>
					12	12	23	000 - 255	<b>UV Zone 2, 0-100%</b>
							24	000 - 255	<b>UV Fine Zone 2, 0-100%</b>
					13	13	25	000 - 255	<b>Red Zone 3, 0-100%</b>
							26	000 - 255	<b>Red Fine Zone 3, 0-100%</b>
					14	14	27	000 - 255	<b>Green Zone 3, 0-100%</b>
							28	000 - 255	<b>Green Fine Zone 3, 0-100%</b>
					15	15	29	000 - 255	<b>Blue Zone 3, 0-100%</b>
							30	000 - 255	<b>Blue Fine Zone 3, 0-100%</b>
					16	16	31	000 - 255	<b>White Zone 3, 0-100%</b>
							32	000 - 255	<b>White Fine Zone 3, 0-100%</b>
					17	17	33	000 - 255	<b>Amber Zone 3, 0-100%</b>
							34	000 - 255	<b>Amber Fine Zone 3, 0-100%</b>
					18	18	35	000 - 255	<b>UV Zone 3, 0-100%</b>

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# DMX TRAITS

CHANNEL								DMX VALUES	FUNCTION
6CH	8CH	10CH	11CH	16CH	48CH	57CH	96CH		
							36	000 - 255	<i>UV Fine Zone 3, 0-100%</i>
					19	19	37	000 - 255	<i>Red Zone 4, 0-100%</i>
							38	000 - 255	<i>Red Fine Zone 4, 0-100%</i>
					20	20	39	000 - 255	<i>Green Zone 4, 0-100%</i>
							40	000 - 255	<i>Green Fine Zone 4, 0-100%</i>
					21	21	41	000 - 255	<i>Blue Zone 4, 0-100%</i>
							42	000 - 255	<i>Blue Fine Zone 4, 0-100%</i>
					22	22	43	000 - 255	<i>White Zone 4, 0-100%</i>
							44	000 - 255	<i>White Fine Zone 4, 0-100%</i>
					23	23	45	000 - 255	<i>Amber Zone 4, 0-100%</i>
							46	000 - 255	<i>Amber Fine Zone 4, 0-100%</i>
					24	24	47	000 - 255	<i>UV Zone 4, 0-100%</i>
							48	000 - 255	<i>UV Fine Zone 4, 0-100%</i>
					25	25	49	000 - 255	<i>Red Zone 5, 0-100%</i>
							50	000 - 255	<i>Red Fine Zone 5, 0-100%</i>
					26	26	51	000 - 255	<i>Green Zone 5, 0-100%</i>
							52	000 - 255	<i>Green Fine Zone 5, 0-100%</i>
					27	27	53	000 - 255	<i>Blue Zone 5, 0-100%</i>
							54	000 - 255	<i>Blue Fine Zone 5, 0-100%</i>
					28	28	55	000 - 255	<i>White Zone 5, 0-100%</i>
							56	000 - 255	<i>White Fine Zone 5, 0-100%</i>
					29	29	57	000 - 255	<i>Amber Zone 5, 0-100%</i>
							58	000 - 255	<i>Amber Fine Zone 5, 0-100%</i>
					30	30	59	000 - 255	<i>UV Zone 5, 0-100%</i>
							60	000 - 255	<i>UV Fine Zone 5, 0-100%</i>
					31	31	61	000 - 255	<i>Red Zone 6, 0-100%</i>
							62	000 - 255	<i>Red Fine Zone 6, 0-100%</i>
					32	32	63	000 - 255	<i>Green Zone 6, 0-100%</i>
							64	000 - 255	<i>Green Fine Zone 6, 0-100%</i>
					33	33	65	000 - 255	<i>Blue Zone 6, 0-100%</i>
							66	000 - 255	<i>Blue Fine Zone 6, 0-100%</i>
					34	34	67	000 - 255	<i>White Zone 6, 0-100%</i>
							68	000 - 255	<i>White Fine Zone 6, 0-100%</i>
					35	35	69	000 - 255	<i>Amber Zone 6, 0-100%</i>
							70	000 - 255	<i>Amber Fine Zone 6, 0-100%</i>
					36	36	71	000 - 255	<i>UV Zone 6, 0-100%</i>
							72	000 - 255	<i>UV Fine Zone 6, 0-100%</i>
					37	37	73	000 - 255	<i>Red Zone 7, 0-100%</i>
							74	000 - 255	<i>Red Fine Zone 7, 0-100%</i>
					38	38	75	000 - 255	<i>Green Zone 7, 0-100%</i>

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# DMX TRAITS

CHANNEL								DMX VALUES	FUNCTION
6CH	8CH	10CH	11CH	16CH	48CH	57CH	96CH		
							76	000 - 255	<b>Green Fine Zone 7</b> , 0-100%
					39	39	77	000 - 255	<b>Blue Zone 7</b> , 0-100%
							78	000 - 255	<b>Blue Fine Zone 7</b> , 0-100%
					40	40	79	000 - 255	<b>White Zone 7</b> , 0-100%
							80	000 - 255	<b>White Fine Zone 7</b> , 0-100%
					41	41	81	000 - 255	<b>Amber Zone 7</b> , 0-100%
							82	000 - 255	<b>Amber Fine Zone 7</b> , 0-100%
					42	42	83	000 - 255	<b>UV Zone 7</b> , 0-100%
							84	000 - 255	<b>UV Fine Zone 7</b> , 0-100%
					43	43	85	000 - 255	<b>Red Zone 8</b> , 0-100%
							86	000 - 255	<b>Red Fine Zone 8</b> , 0-100%
					44	44	87	000 - 255	<b>Green Zone 8</b> , 0-100%
							88	000 - 255	<b>Green Fine Zone 8</b> , 0-100%
					45	45	89	000 - 255	<b>Blue Zone 8</b> , 0-100%
							90	000 - 255	<b>Blue Fine Zone 8</b> , 0-100%
					46	46	91	000 - 255	<b>White Zone 8</b> , 0-100%
							92	000 - 255	<b>White Fine Zone 8</b> , 0-100%
					47	47	93	000 - 255	<b>Amber Zone 8</b> , 0-100%
							94	000 - 255	<b>Amber Fine Zone 8</b> , 0-100%
					48	48	95	000 - 255	<b>UV Zone 8</b> , 0-100%
							96	000 - 255	<b>UV Fine Zone 8</b> , 0-100%
	8		7	7			49		<b>Strobe</b>
								000 - 031	LED Off
								032 - 063	LED On
								064 - 095	Strobing, slow to fast
								096 - 127	LED On
								128 - 159	Pulse Strobing, slow to fast
								160 - 191	LED On
								192 - 223	Random Strobing, slow to fast
								224 - 255	LED On
	7	7	8	8			50	000 - 255	<b>Master Dimmer</b> , 0-100%
		8	9	9			51	000 - 255	<b>Master Dimmer Fine</b>
				10				000 - 255	<b>Color Macros</b> (see <b>Color Macros Chart</b> section of this manual)
				11			52		<b>Auto Programs</b>
								000 - 010	No Function
								011 - 026	Dream
								027 - 043	Meteor
								044 - 060	Fade
								061 - 076	Change
								077 - 093	Flow 1
								094 - 110	Flow 2

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# DMX TRAITS

CHANNEL								DMX VALUES	FUNCTION
6CH	8CH	10CH	11CH	16CH	48CH	57CH	96CH		
				11		52			<b>Auto Programs (continued)</b>
								111 - 126	Flow 3
								127 - 143	Flow 4
								144 - 160	Flow 5
								161 - 176	Flow 6
								177 - 193	Flow 7
								194 - 210	Flow 8
								211 - 226	Flow 9
								227 - 255	No Function
				12		53		000 - 255	<b>Auto Program Speed</b> , slow to fast
				13		54		000 - 255	<b>Auto Program Fade</b> , slow to fast
				14		55			<b>Dimmer Mode</b>
								000 - 020	Standard
								021 - 040	Stage
								041 - 060	TV
								061 - 080	Architectural
								081 - 100	Theatre
								101 - 255	Default to unit setting
									<b>LED Refresh Rate</b>
								000 - 015	Default to unit setting
								016 - 030	900 Hz
								031 - 045	1000 Hz
								046 - 060	1100 Hz
								061 - 075	1200 Hz
								076 - 090	1300 Hz
								091 - 105	1400 Hz
								106 - 120	1500 Hz
								121 - 135	2500 Hz
								136 - 150	4000 Hz
								151 - 165	5000 Hz
								166 - 180	10,000 Hz
								181 - 195	15,000 Hz
								196 - 210	20,000 Hz
								211 - 225	25,000 Hz
								226 - 255	Off
									<b>Dim Curves</b>
								000 - 020	No Function
								021 - 045	Linear
								046 - 070	Square
								071 - 095	Inv. Square
								096 - 120	S-Curve
								121 - 255	No Function
		9	10	15		56			
		10	11	16		57			

# COLOR MACROS CHART

COLOR NO.	DMX VALUES	COLOR INTENSITY					
		RED	GREEN	BLUE	WHITE	AMBER	UV
Off	000	0	0	0	0	0	0
Color1	001 - 004	80	255	234	80	0	0
Color2	005 - 008	80	255	164	80	0	0
Color3	009 - 012	77	255	112	77	0	0
Color4	013 - 016	117	255	83	83	0	0
Color5	017 - 020	160	255	77	77	0	0
Color6	021 - 024	223	255	83	83	0	0
Color7	025 - 028	255	243	77	77	0	0
Color8	029 - 032	255	200	74	74	0	0
Color9	033 - 036	255	166	77	77	0	0
Color10	037 - 040	255	125	74	74	0	0
Color11	041 - 044	255	97	77	74	0	0
Color12	045 - 048	255	71	77	71	0	0
Color13	049 - 052	255	83	134	83	0	0
Color14	053 - 056	255	93	182	93	0	0
Color15	057 - 060	255	96	236	96	0	0
Color16	061 - 064	238	93	255	93	0	0
Color17	065 - 068	196	87	255	87	0	0
Color18	069 - 072	150	90	255	90	0	0
Color19	073 - 076	100	77	255	77	0	0
Color20	077 - 080	77	100	255	77	0	0
Color21	081 - 084	67	148	255	67	0	0
Color22	085 - 088	77	195	255	77	0	0
Color23	089 - 092	77	234	255	77	0	0
Color24	093 - 096	158	255	144	144	0	0
Color25	097 - 100	255	251	153	153	0	0
Color26	101 - 104	255	175	147	147	0	0
Color27	105 - 108	255	138	186	138	0	0
Color28	109 - 112	255	147	251	147	0	0
Color29	113 - 116	151	138	255	138	0	0
Color30	117 - 120	100	138	255	138	0	0
Color31	121 - 124	138	169	255	138	0	0
Color32	125 - 128	255	255	255	255	0	0
Color33	129 - 132	255	206	143	0	0	0
Color34	133 - 136	254	177	153	0	0	0
Color35	137 - 140	254	192	138	0	0	0
Color36	141 - 144	254	165	98	0	0	0
Color37	145 - 148	254	121	0	0	0	0

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# COLOR MACROS CHART

COLOR NO.	DMX VALUES	COLOR INTENSITY					
		RED	GREEN	BLUE	WHITE	AMBER	UV
Color38	149 - 152	176	17	0	0	0	0
Color39	153 - 156	96	0	11	0	0	0
Color40	157 - 160	234	139	171	0	0	0
Color41	161 - 164	224	5	97	0	0	0
Color42	165 - 168	175	77	173	0	0	0
Color43	169 - 172	119	130	199	0	0	0
Color44	173 - 176	147	164	212	0	0	0
Color45	177 - 180	88	2	163	0	0	0
Color46	181 - 184	0	38	86	0	0	0
Color47	185 - 188	0	142	208	0	0	0
Color48	189 - 192	52	148	209	0	0	0
Color49	193 - 196	0	46	35	0	0	0
Color50	197 - 200	8	107	222	0	0	0
Color51	201 - 204	107	156	231	0	0	0
Color52	205 - 208	165	198	247	0	0	0
Color53	209 - 212	0	83	115	0	0	0
Color54	213 - 216	0	97	166	0	0	0
Color55	217 - 220	1	100	167	0	0	0
Color56	221 - 224	0	40	86	0	0	0
Color57	225 - 228	209	219	182	0	0	0
Color58	229 - 232	42	165	85	0	0	0
Color59	233 - 236	255	0	0	0	0	0
Color60	237 - 240	0	255	0	0	0	0
Color61	241 - 244	0	0	255	0	0	0
Color62	245 - 248	0	0	0	255	0	0
Color63	249 - 252	0	0	0	0	255	0
Color64	253 - 255	0	0	0	0	0	255