

HSV

Channel	Function	Value	Percent/Setting
1	Hue	000 ⇔ 255	0–100%
2	Saturation	000 ⇔ 255	0–100%
3	Value	000 ⇔ 255	0–100%
4	Gobo rotator	000 ⇔ 127	Index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

18Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer fine	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Red fine	000 ⇔ 255	0–100%
5	Green	000 ⇔ 255	0–100%
6	Green fine	000 ⇔ 255	0–100%
7	Blue	000 ⇔ 255	0–100%
8	Blue fine	000 ⇔ 255	0–100%
9	Amber	000 ⇔ 255	0–100%
10	Amber fine	000 ⇔ 255	0–100%
11	Mint	000 ⇔ 255	0–100%
12	Mint fine	000 ⇔ 255	0–100%
13	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
14	Virtual color wheel	000 ⇔ 255	Refer to Virtual Color Wheel Chart
15	Color temperature	000 ⇔ 255	Refer to Color Temperature DMX Chart
16	Hue	000 ⇔ 000	0
		001 ⇔ 255	-25–25
17	Control (hold for 3 seconds)	000 ⇔ 007	No function
		008 ⇔ 015	Dimmer reset
		016 ⇔ 023	Red shift on
		024 ⇔ 031	Red shift off
		032 ⇔ 039	S-curve dimmer
		040 ⇔ 047	Linear dimmer
		048 ⇔ 055	Square dimmer curve
		056 ⇔ 063	Inverse square dimmer curve
		064 ⇔ 071	Dimmer speed mode OFF
		072 ⇔ 079	Dimmer speed 1 (fastest)
		080 ⇔ 087	Dimmer speed 2
		088 ⇔ 095	Dimmer speed 3 (slowest)
		096 ⇔ 103	Fan auto
		104 ⇔ 111	Fan on
		112 ⇔ 119	Fan off
		120 ⇔ 127	Fan silent
128 ⇔ 135	X-Fade Speed: OFF		
136 ⇔ 143	X-Fade Speed: 1 (fastest)		
144 ⇔ 151	X-Fade Speed: 2		
152 ⇔ 159	X-Fade Speed: 3		
160 ⇔ 167	X-Fade Speed: 4 (slowest)		
168 ⇔ 255	Reserved for future use		
18	Gobo rotator	000 ⇔ 127	Index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

14Ch1

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	0–100%
2	Red	000 ⇄ 255	0–100%
3	Green	000 ⇄ 255	0–100%
4	Blue	000 ⇄ 255	0–100%
5	Amber	000 ⇄ 255	0–100%
6	Mint	000 ⇄ 255	0–100%
7	Strobe	000 ⇄ 010 011 ⇄ 255	No function Strobe, slow to fast
8	Virtual color wheel	000 ⇄ 255	Refer to Virtual Color Wheel Chart
9	Color temperature	000 ⇄ 255	Refer to Color Temperature DMX Chart
10	Hue	000 ⇄ 000 001 ⇄ 255	0 -25–25
11	Auto programs	000 ⇄ 010 011 ⇄ 060 061 ⇄ 110 111 ⇄ 160 161 ⇄ 210 211 ⇄ 255	No function Auto program 1 Auto program 2 Auto program 3 Auto program 4 Auto program 5
12	Auto speed	000 ⇄ 255	Auto speed, slow to fast
13	Control (hold for 3 seconds)	000 ⇄ 007 008 ⇄ 015 016 ⇄ 023 024 ⇄ 031 032 ⇄ 039 040 ⇄ 047 048 ⇄ 055 056 ⇄ 063 064 ⇄ 071 072 ⇄ 079 080 ⇄ 087 088 ⇄ 095 096 ⇄ 103 104 ⇄ 111 112 ⇄ 119 120 ⇄ 127 128 ⇄ 135 136 ⇄ 143 144 ⇄ 151 152 ⇄ 159 160 ⇄ 167 128 ⇄ 255	No function Dimmer reset Red shift on Red shift off S-curve dimmer Linear dimmer Square dimmer curve Inverse square dimmer curve Dimmer speed mode OFF Dimmer speed 1 (fastest) Dimmer speed 2 Dimmer speed 3 (slowest) Fan auto Fan on Fan off Fan silent X-Fade Speed: OFF X-Fade Speed: 1 (fastest) X-Fade Speed: 2 X-Fade Speed: 3 X-Fade Speed: 4 (slowest) Reserved for future use
14	Gobo rotator	000 ⇄ 127 128 ⇄ 190 191 ⇄ 192 193 ⇄ 255	Index Clockwise rotation, fast to slow Stop Counterclockwise rotation, slow to fast

14Ch2

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer fine	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Red fine	000 ⇔ 255	0–100%
5	Green	000 ⇔ 255	0–100%
6	Green fine	000 ⇔ 255	0–100%
7	Blue	000 ⇔ 255	0–100%
8	Blue fine	000 ⇔ 255	0–100%
9	Amber	000 ⇔ 255	0–100%
10	Amber fine	000 ⇔ 255	0–100%
11	Mint	000 ⇔ 255	0–100%
12	Mint fine	000 ⇔ 255	0–100%
13	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
14	Gobo rotator	000 ⇔ 127	Index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

12Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer fine	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Green	000 ⇔ 255	0–100%
5	Blue	000 ⇔ 255	0–100%
6	Amber	000 ⇔ 255	0–100%
7	Mint	000 ⇔ 255	0–100%
8	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
9	Virtual color wheel	000 ⇔ 255	Refer to Virtual Color Wheel Chart
10	Color temperature	000 ⇔ 255	Refer to Color Temperature DMX Chart
11	Hue	000 ⇔ 000	0
		001 ⇔ 255	-25–25
12	Gobo rotator	000 ⇔ 127	Index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

8Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Red	000 ⇔ 255	0–100%
3	Green	000 ⇔ 255	0–100%
4	Blue	000 ⇔ 255	0–100%
5	Amber	000 ⇔ 255	0–100%
6	Mint	000 ⇔ 255	0–100%
7	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
8	Gobo rotator	000 ⇔ 127	Index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

6Ch

Channel	Function	Value	Percent/Setting
1	Red	000 ⇄ 255	0–100%
2	Green	000 ⇄ 255	0–100%
3	Blue	000 ⇄ 255	0–100%
4	Amber	000 ⇄ 255	0–100%
5	Mint	000 ⇄ 255	0–100%
6	Gobo rotator	000 ⇄ 127	Index
		128 ⇄ 190	Clockwise rotation, fast to slow
		191 ⇄ 192	Stop
		193 ⇄ 255	Counterclockwise rotation, slow to fast

5Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	0–100%
2	Virtual color wheel	000 ⇄ 255	Refer to Virtual Color Wheel Chart
3	Color temperature	000 ⇄ 255	Refer to Color Temperature DMX Chart
4	Hue	000 ⇄ 000	0
		001 ⇄ 255	-25–25
5	Gobo rotator	000 ⇄ 127	Index
		128 ⇄ 190	Clockwise rotation, fast to slow
		191 ⇄ 192	Stop
		193 ⇄ 255	Counterclockwise rotation, slow to fast

1Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	0–100%

Virtual Color Wheel Chart

DMX Channel Value	Display Readout	Red Value	Green Value	Blue Value	Amber Value	Mint Value
000 ⇔ 005	--	--	--	--	--	--
006 ⇔ 013	C3050 - Md Yellow	255	225	0	255	37
014 ⇔ 021	C3040 - Lt Yellow	255	177	3	255	37
022 ⇔ 028	C3240 - Amb Yellow	255	220	0	255	0
029 ⇔ 035	C2340 - VLt Amber	195	0	15	255	57
036 ⇔ 043	C2040 - Lt Amber	255	0	11	255	61
044 ⇔ 051	C2050 - Md Amber	255	53	0	255	17
052 ⇔ 059	C2060 - Dk Amber	255	8	0	255	17
060 ⇔ 067	C1050 - Lt Red	255	0	3	14	0
068 ⇔ 075	C1080 - Md Red	255	0	2	0	0
076 ⇔ 083	C1020 - NC Pink	255	75	62	255	73
084 ⇔ 091	C1030 - Md Pink	255	75	57	255	41
092 ⇔ 099	C1630 - Dk Pink	218	77	57	255	61
100 ⇔ 107	C1250 - Md Red Amber	255	0	9	168	0
108 ⇔ 115	C1060 - Dk Red Amber	255	5	9	36	0
116 ⇔ 121	C1650 - Magenta	255	3	62	255	12
122 ⇔ 130	C6170 - Dk Magenta	255	0	55	0	0
131 ⇔ 138	C6020 - Lt Lavender	255	220	93	255	44
139 ⇔ 146	C5030 - Lt Blue	0	255	159	112	78
147 ⇔ 154	C5020 - VLt Blue	0	215	145	196	65
155 ⇔ 162	C5430 - Lt Blue2	0	215	132	52	92
163 ⇔ 170	C5070 - Blue	0	195	188	0	19
171 ⇔ 178	C5050 - Md Blue	0	163	190	0	68
179 ⇔ 186	C5060 - Dk Blue	0	128	193	0	38
187 ⇔ 194	C5690 - Indigo	53	9	255	0	0
195 ⇔ 202	C5080 - VDk Blue	7	84	116	0	0
203 ⇔ 210	C5081 - VDk Blue2	11	82	139	0	0
211 ⇔ 218	C4370 - Yel Green	0	255	2	25	0
219 ⇔ 226	C4070 - Green	0	255	9	0	175
227 ⇔ 234	C4550 - Turquoise	0	255	87	96	255
235 ⇔ 242	C4560 - Aqua	0	255	98	44	255
243 ⇔ 250	C4570 - Blue Green	0	255	26	8	0
251 ⇔ 255	--	--	--	--	--	--

Color Temperature DMX Chart

DMX Channel	Color Temperature	DMX Channel	Color Temperature	DMX Channel	Color Temperature
000 ⇔ 005	No function	084 ⇔ 090	3900–4000K	168 ⇔ 174	5100–5200K
006 ⇔ 013	2800–2900K	091 ⇔ 097	4000–4100K	175 ⇔ 181	5200–5300K
014 ⇔ 020	2900–3000K	098 ⇔ 104	4100–4200K	182 ⇔ 188	5300–5400K
021 ⇔ 027	3000–3100K	105 ⇔ 111	4200–4300K	189 ⇔ 195	5400–5500K
028 ⇔ 034	3100–3200K	112 ⇔ 118	4300–4400K	196 ⇔ 202	5500–5600K
035 ⇔ 041	3200–3300K	119 ⇔ 125	4400–4500K	203 ⇔ 209	5600–5700K
042 ⇔ 048	3300–3400K	126 ⇔ 132	4500–4600K	210 ⇔ 216	5700–6000K
049 ⇔ 055	3400–3500K	133 ⇔ 139	4600–4700K	217 ⇔ 223	6000–6500K
056 ⇔ 062	3500–3600K	140 ⇔ 146	4700–4800K	224 ⇔ 230	6500–7000K
063 ⇔ 069	3600–3700K	147 ⇔ 153	4800–4900K	231 ⇔ 237	7000–7500K
070 ⇔ 076	3700–3800K	154 ⇔ 160	4900–5000K	238 ⇔ 244	7500–8000K
077 ⇔ 083	3800–3900K	161 ⇔ 167	5000–5100K	245 ⇔ 255	8000K