

Phantom FullSpectrum
DMX Chart (18/9/3 ch)

18ch	channel		function	type of control	effect	decimal		percentage	
	9ch	3ch							
1	1	1 ²	master dimmer	proportional	adjust luminous output intensity from 0 % to 100 %	0	- 255	0%	- 100%
2	2	-	red	proportional	proportional control of the color percentage from 0 % to 100 %	0	- 255	0%	- 100%
3	3	-	green	proportional	proportional control of the color percentage from 0 % to 100 %	0	- 255	0%	- 100%
4	4	-	blue	proportional	proportional control of the color percentage from 0 % to 100 %	0	- 255	0%	- 100%
5	5	-	cyan	proportional	proportional control of the color percentage from 0 % to 100 %	0	- 255	0%	- 100%
6	6	-	lime	proportional	proportional control of the color percentage from 0 % to 100 %	0	- 255	0%	- 100%
7	7	-	amber	proportional	proportional control of the color percentage from 0 % to 100 %	0	- 255	0%	- 100%
8	-	-	strobe effect	step	no effect	0	- 9	0%	- 4%
				proportional	variable speed strobing effect, from slow to fast	10	- 57	4%	- 22%
				step	stop strobe	58	- 59	23%	- 23%
				proportional	sequenced pulsed strobe, slow closing, fast operating (variable speed pulsing, from slow to fast)	60	- 108	24%	- 42%
				step	stop strobe	109	- 110	43%	- 43%
				proportional	sequenced pulsed strobe, fast closing, slow operating (variable speed pulsing, from slow to fast)	111	- 159	44%	- 62%
				step	stop strobe	160	- 161	63%	- 63%
				proportional	random strobe effect with variable speed from slow to fast and synchronised colors	162	- 207	64%	- 81%
				step	stop strobe	208	- 209	82%	- 82%
proportional	random strobe effect with variable speed from slow to fast and non-synchronised colors	210	- 255	82%	- 100%				
9	-	-	dimmer fine	proportional	fine dimmer control 16 bit	0	- 255	0%	- 100%
10	-	-	special function	step	no effect / park	0	- 71	0%	- 28%
					600 Hz	72	- 84	28%	- 33%
					fan at low-speed	85	- 96	33%	- 38%
					fan at studio mode	97	- 108	38%	- 42%
					fan at auto-speed	109	- 120	43%	- 47%
				proportional	fan speed control from minimum to maximum	121	- 133	47%	- 52%
					LCD display off	134	- 185	53%	- 73%
					LCD display on	186	- 199	73%	- 78%
					LED control frequency tuning 1000 Hz	200	- 205	78%	- 80%
					LED control frequency tuning 3000Hz	206	- 211	81%	- 83%
					LED control frequency tuning 6000Hz	212	- 217	83%	- 85%
					LED control frequency tuning 8000Hz	218	- 223	85%	- 87%
					LED control frequency tuning 10000Hz	224	- 229	88%	- 90%
					LED control frequency tuning 12000Hz	230	- 235	90%	- 92%
LED control frequency tuning 14000Hz	236	- 241	93%	- 95%					
LED control frequency tuning 16000Hz	242	- 247	95%	- 97%					
LED control frequency tuning 19000Hz	248	- 255	97%	- 100%					
11 ¹	-	-	red tone	step	no effect	0	- 9	0%	- 4%
					R823 MEDIUM RED	10	- 34	4%	- 13%
					R25 ORANGE RED (TUNGSTEN)	35	- 59	14%	- 23%
					R24 SCARLET LED (D65)	60	- 84	24%	- 33%
					R0 BASTARD AMBER	85	- 109	33%	- 43%
					light off (future red tone presets)	110	- 134	43%	- 53%
					light off (future red tone presets)	135	- 159	53%	- 62%
					light off (future red tone presets)	160	- 184	63%	- 72%
					light off (future red tone presets)	185	- 209	73%	- 82%
					light off (future red tone presets)	210	- 234	82%	- 92%
light off (future red tone presets)	235	- 255	92%	- 100%					
12 ¹	-	-	green tone	step	no effect	0	- 9	0%	- 4%
					R4460 CALCOLOR 60 GREEN	10	- 34	4%	- 13%
					R2004 DEEP GREEN	35	- 59	14%	- 23%
					E730 LIGHT GREEN	60	- 84	24%	- 33%
					E088 LIME GREEN	85	- 109	33%	- 43%
					light off (future green tone presets)	110	- 134	43%	- 53%
					light off (future green tone presets)	135	- 159	53%	- 62%
					light off (future green tone presets)	160	- 184	63%	- 72%
					light off (future green tone presets)	185	- 209	73%	- 82%
					light off (future green tone presets)	210	- 234	82%	- 92%
					light off (future green tone presets)	235	- 255	92%	- 100%
13 ¹	-	-	blue tone	step	no effect	0	- 9	0%	- 4%
					R2008 STORARO PURPLE	10	- 34	4%	- 13%
					E5058 FRENCH LILAC	35	- 59	14%	- 23%
					SOFT PURPLE	60	- 84	24%	- 33%
					RIPE PURPLE	85	- 109	33%	- 43%
					light off (future blue tone presets)	110	- 134	43%	- 53%
					light off (future blue tone presets)	135	- 159	53%	- 62%
					light off (future blue tone presets)	160	- 184	63%	- 72%
					light off (future blue tone presets)	185	- 209	73%	- 82%
					light off (future blue tone presets)	210	- 234	82%	- 92%
					light off (future blue tone presets)	235	- 255	92%	- 100%

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DMX Chart (18/9/3 ch)

14	-	-	white tone	step	no effect	0	-	9	0%	-	4%
					2700K	10	-	28	4%	-	11%
				proportional	porportional value from 2700K to 3200K	29	-	47	11%	-	18%
				step	3200K	48	-	66	19%	-	26%
				proportional	porportional value from 3200K to 4000K	67	-	85	26%	-	33%
				step	4000K	86	-	104	34%	-	41%
				proportional	porportional value from 4000K to 5000K	105	-	123	41%	-	48%
				step	5000K	124	-	142	49%	-	56%
				proportional	porportional value from 5000K to 5600K	143	-	161	56%	-	63%
				step	5600K	162	-	180	64%	-	71%
				proportional	porportional value from 5600K to 6500K	181	-	199	71%	-	78%
				step	6500K	200	-	218	78%	-	85%
				proportional	porportional value from 6500K to 7500K	219	-	237	86%	-	93%
step	7500K	238	-	255	93%	-	100%				
15 ³	-	-	green saturation	step	no effect	0	-	1	0%	-	0%
				proportional	exalts the green color in the mixing and diminishes the presence of magenta	2	-	123	1%	-	48%
				step	no effect	124	-	132	49%	-	52%
				proportional	diminishes the presence of green in the mixing and exalts the magenta color	133	-	253	52%	-	99%
				step	no effect	254	-	255	100%	-	100%
16 ⁴	-	-	saturation	proportional	the white tone fades to the tone built with the RGBWLA channels	0	-	255	0%	-	100%
17	8	2	Zoom	proportional	proportional control of zoom effect wheel from narrow to wide beam	0	-	255	0%	-	100%
18	9	3	motor reset	step	no effect	0	-	127	0%	-	50%
				step	reset of all the motors (once only)	128	-	255	50%	-	100%
NOTE 1: channels involving 10 - 11 - 12 macro colors can also be obtained by mixing channels 2 - 3 - 4 - 5 - 6 - 7.											
NOTE 2: the one channel function mode can be selected through the DMX function menu.											
NOTE 3: the rest position of the green sauration is 128. Diminishing the DMX value augments the presence of the green color. Increasing the DMX value augments the presence of magenta.											
NOTE 4: Increasing the value of the Saturation DMX channel the white tone (channel 14) will fade to the color selected by the channel 2, 3, 4, 5, 6 or 7.											
Projector: Phantom FullSpectrum				Chart name: DMX 512 function							
Chart number: 379				Edition: 1				Date: 11.09.2018			

Phantom FullSpectrum
DMX Chart (7 ch)

channel 7ch	function	type of control	effect	decimal	percentage
1	master dimmer	proportional	adjust luminous output intensity from 0 % to 100 %	0 - 255	0% - 100%
			3200K	0 - 5	0% - 2%
2	white temperature	step	2700K	6 - 11	2% - 4%
			2800K	12 - 17	5% - 7%
			2900K	18 - 23	7% - 9%
			3000K	24 - 29	9% - 11%
			3100K	30 - 35	12% - 14%
			3200K	36 - 41	14% - 16%
			3300K	42 - 47	16% - 18%
			3400K	48 - 53	19% - 21%
			3500K	54 - 59	21% - 23%
			3600K	60 - 65	24% - 25%
			3700K	66 - 71	26% - 28%
			3800K	72 - 77	28% - 30%
			3900K	78 - 83	31% - 33%
			4000K	84 - 89	33% - 35%
			4100K	90 - 95	35% - 37%
			4200K	96 - 101	38% - 40%
			4300K	102 - 107	40% - 42%
			4400K	108 - 113	42% - 44%
			4500K	114 - 119	45% - 47%
			4600K	120 - 125	47% - 49%
			4700K	126 - 131	49% - 51%
			4800K	132 - 137	52% - 54%
			4900K	138 - 143	54% - 56%
			5000K	144 - 149	56% - 58%
			5100K	150 - 155	59% - 61%
			5200K	156 - 161	61% - 63%
			5300K	162 - 167	64% - 65%
			5400K	168 - 173	66% - 68%
			5500K	174 - 179	68% - 70%
			5600K	180 - 185	71% - 73%
			5700K	186 - 191	73% - 75%
			5800K	192 - 197	75% - 77%
5900K	198 - 203	78% - 80%			
6000K	204 - 209	80% - 82%			
6100K	210 - 215	82% - 84%			
6200K	216 - 221	85% - 87%			
6300K	222 - 227	87% - 89%			
6400K	228 - 233	89% - 91%			
6500K	234 - 239	92% - 94%			
5600K	240 - 255	94% - 100%			
3 ¹	green saturation	step	no effect	0 - 9	0% - 4%
		proportional	exalts the green color in the mixing and diminishes the presence of magenta	10 - 123	4% - 48%
		step	no effect	124 - 132	49% - 52%
		proportional	diminishes the presence of green in the mixing and exalts the magenta color	133 - 246	52% - 96%
		step	no effect	247 - 255	97% - 100%
4	dimmer fine	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%

Phantom FullSpectrum
DMX Chart (7 ch)

5	special function	step	no effect / park	0	- 71	0%	- 28%
			600 Hz	72	- 84	28%	- 33%
			fan at low-speed	85	- 96	33%	- 38%
			fan at studio mode	97	- 108	38%	- 42%
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		step	LCD display off	134	- 185	53%	- 73%
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			LED control frequency tuning 14000Hz	236	- 241	93%	- 95%
LED control frequency tuning 16000Hz	242		- 247	95%	- 97%		
LED control frequency tuning 19000Hz	248	- 255	97%	- 100%			
6	Zoom	proportional	proportional control of zoom effect wheel from narrow to wide beam	0	- 255	0%	- 100%
7	motor reset	step	no effect	0	- 127	0%	- 50%
		step	reset of all the motors (once only)	128	- 255	50%	- 100%
NOTE 1: The rest position of green saturation is 128. Diminishing the DMX value augments the presence of the green color. Increasing the DMX value augments the presence of magenta.							
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