

# RELATION SIX+ PAR L - DMX TRAITS

Dim. 1CH	RGB 3CH	RGB Ext. 9CH	Color 6CH	Color & Dim. 9CH	CMY 11CH	CMY Ext. 14CH	Std. 14CH	Ext. 20CH	DMX Values	Function	Snap	Default Value	
1		1		1	1	1	1	1	0-255	<b>Dimmer</b> Intensity 0 → 100%		0	
		2		2	2	2	2	2	0-255	<b>Dimmer Fine</b> Fine Intensity Control		0	
		3		3	3	3	3	3		<b>Shutter/Strobe</b>		50	
			0-31						Shutter closed				
			32-63						No function (shutter open)				
			64-95						Strobe effect slow to fast				
			96-127						No function (shutter open)				
			128-159						Pulse-effect in sequences				
			160-191						No function (shutter open)				
			192-223						Random strobe effect slow to fast				
		224-255	No function (shutter open)										
	1	4	1	4			4	4	0-255	<b>Red</b> 0 → 100%		0	
		5						5	0-255	<b>Red Fine</b> Fine Adjustment		0	
	2	6	2	5			5	6	0-255	<b>Green</b> 0 → 100%		0	
		7						7	0-255	<b>Green Fine</b> Fine Adjustment		0	
	3	8	3	6			6	8	0-255	<b>Blue</b> 0 → 100%		0	
		9						9	0-255	<b>Blue Fine</b> Fine Adjustment		0	
			4	7			7	10	0-255	<b>Lime</b> 0 → 100%		0	
								11	0-255	<b>Lime Fine</b> Fine Adjustment		0	
			5	8			8	12	0-255	<b>Amber</b> 0 → 100%		0	
								13	0-255	<b>Amber Fine</b> Fine Adjustment		0	
			6	9			9	14	0-255	<b>UV</b> 0 → 100%		0	
								15	0-255	<b>UV Fine</b> Fine Adjustment		0	
					4	4			0-255	<b>Cyan</b> 0 → 100%		0	
						5			0-255	<b>Cyan Fine</b> Fine Adjustment		0	
					5	6			0-255	<b>Magenta</b> 0 → 100%		0	
						7			0-255	<b>Magenta Fine</b> Fine Adjustment		0	
					6	8			0-255	<b>Yellow</b> 0 → 100%		0	
						9			0-255	<b>Yellow Fine</b> Fine Adjustment		0	
					7	10	10	16		<b>Variable CCT</b>		0	
									0-23	Open			
									24-85	2400K → 8500K (See Sheet)			
									86-255	8500K			
					8	11	11	17		<b>CCT Cross Fade</b>		X	0
									0	CCT			
									255	Color Mix			

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					9	12	12	18		<b>Color</b>		0
									0	Open		
									1-179	Virtual Swatch Book (See Table)		
										<b>Color Scroll</b>		
									180-201	Clockwise Fast → Slow		
									202-207	Stop		
									208-229	Counter-clockwise Slow → Fast		
									230-234	Open		
										<b>Random Slots</b>		
									235-239	Fast		
									240-244	Medium		
									245-249	Slow		
									250-255	Open		
					10	13	13	19		<b>Dim Modes</b>		X 0
									0-20	Standard		
									21-40	Stage		
									41-60	TV		
									61-80	Architectural		
									81-100	Theatre		
									101-120	Stage 2		
										<b>Dimmer Delay Time</b>		
									121	0s		
									122	0.1s		
									123	0.2s		
									124	0.3s		
									125	0.4s		
									126	0.5s		
									127	0.6s		
									128	0.7s		
									129	0.8s		
									130	0.9s		
									131	1.0s		
									132	1.5s		
									133	2.0s		
									134	3.0s		
									135	4.0s		
									136	5.0s		
									137	6.0s		
									138	7.0s		
									139	8.0s		
									140	9.0s		
									141	10s		
									142-255	Idle		

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Dim. 1CH	RGB 3CH	RGB Ext. 9CH	Color 6CH	Color & Dim. 9CH	CMY 11CH	CMY Ext. 14CH	Std. 14CH	Ext. 20CH	DMX Values	Function	Snap	Default Value
										<b>Control</b>		
									0-99	Idle		
										<b>Refresh Rate (Hz)</b>		
									100	900		
									101	910		
									102	920		
									103	930		
									104	940		
									105	950		
									106	960		
									107	970		
									108	980		
									109	990		
									110	1000		
									111	1010		
									112	1020		
									113	1030		
									114	1040		
									115	1050		
					11	14	14	20	116	1060	X	0
									117	1070		
									118	1080		
									119	1090		
									120	1100		
									121	1110		
									122	1120		
									123	1130		
									124	1140		
									125	1150		
									126	1160		
									127	1170		
									128	1180		
									129	1190		
									130	1200		
									131	1210		
									132	1220		
									133	1230		
									134	1240		
									135	1250		
									136	1260		

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Dim. 1CH	RGB 3CH	RGB Ext. 9CH	Color 6CH	Color & Dim. 9CH	CMY 11CH	CMY Ext. 14CH	Std. 14CH	Ext. 20CH	DMX Values	Function	Snap	Default Value
									137	1270		
									138	1280		
									139	1290		
									140	1300		
									141	1310		
									142	1320		
									143	1330		
									144	1340		
									145	1350		
									146	1360		
									147	1370		
									148	1380		
									149	1390		
									150	1400		
									151	1410		
									152	1420		
									153	1430		
									154	1440		
									155	1450		
					11	14	14	20	156	1460	X	0
									157	1470		
									158	1480		
									159	1490		
									160	1500		
									161	2500		
									162	4000		
									163	5000		
									164	6000		
									165	10000		
									166	15000		
									167	20000		
									168	25000		
									169-200	Idle		
										<b>Dimmer Curves</b>		
									201-210	Dimmer Curve: Linear (Default)		
									211-220	Dimmer Curve: Square		
									221-230	Dimmer Curve: Inverse Square		
									231-240	Dimmer Curve: S-Curve		
									241-255	Idle		

# RELATION SIX+ PAR L - EMULATION DMX TRAITS

6 ch	7 CH	8 CH	12 CH	Value	Function	Snap	Default Value
1	1	1	1	0-255	<b>Red</b> 0 → 100%		0
2	2	2	2	0-255	<b>Green</b> 0 → 100%		0
3	3	3	3	0-255	<b>Blue</b> 0 → 100%		0
4	4	4	4	0-255	<b>White</b> 0 → 100%		0
5	5	5	5	0-255	<b>Amber</b> 0 → 100%		0
6	6	6	6	0-255	<b>UV</b> 0 → 100%		0
	7	7	7	0-255	<b>Master Dimmer</b> Intensity 0 → 100%		0
					<b>Shutter/Strobe</b>		
				0-31	Shutter Open		
				32-95	Strobe effect slow to fast		
				96-127	No function (shutter open)		
				128-159	Pulse-effect in sequences		
				160-191	No function (shutter open)		
				192-223	Random strobe effect slow to fast		
				224-255	No function (shutter open)		
					<b>Color Macros</b>		
				0-3	OFF		
				4-7	RED		
				8-11	GREEN		
				12-15	BLUE		
				16-19	WHITE		
				20-23	AMBER		
				24-27	UV		
				28-31	RED + GREEN		
				32-35	RED + BLUE		
				36-39	RED + WHITE		
				40-43	RED + AMBER		
				44-47	RED + UV		
				48-51	GREEN + BLUE		
				52-55	GREEN + WHITE		
			9	56-59	GREEN + AMBER		
				60-63	GREEN + UV	X	0
				64-67	BLUE + WHITE		
				68-71	BLUE + AMBER		
				72-75	BLUE + UV		
				76-79	WHITE + AMBER		
				80-83	WHITE + UV		
				84-87	AMBER + UV		
				88-91	RED + GREEN + BLUE		
				92-95	RED + GREEN + WHITE		
				96-99	RED + GREEN + AMBER		
				100-103	RED + GREEN + UV		
				104-107	RED + BLUE + WHITE		
				108-111	RED + BLUE + AMBER		
				112-115	RED + BLUE + UV		
				116-119	RED + WHITE + AMBER		
				120-123	RED + WHITE + UV		

# RELATION SIX+ PAR L - EMULATION DMX TRAITS

6 ch	7 CH	8 CH	12 CH	Value	Function	Snap	Default Value
			9	124-127	RED + AMBER + UV	X	0
				128-131	GREEN + BLUE + WHITE		
				132-135	GREEN + BLUE + AMBER		
				136-139	GREEN + BLUE + UV		
				140-143	GREEN + WHITE + AMBER		
				144-147	GREEN + WHITE + UV		
				148-151	GREEN + AMBER + UV		
				152-155	BLUE + WHITE + AMBER		
				156-159	BLUE + WHITE + UV		
				160-163	BLUE + AMBER + UV		
				164-167	WHITE + AMBER + UV		
				168-171	RED + GREEN + BLUE + WHITE		
				172-175	RED + GREEN + BLUE + AMBER		
				176-179	RED + GREEN + BLUE + UV		
				180-183	RED + GREEN + WHITE + AMBER		
				184-187	RED + GREEN + WHITE + UV		
				188-191	RED + GREEN + AMBER + UV		
				192-195	RED + BLUE + WHITE + AMBER		
				196-199	RED + BLUE + WHITE + UV		
				200-203	RED + BLUE + AMBER + UV		
				204-207	RED + WHITE + AMBER + UV		
				208-211	GREEN + BLUE + WHITE + AMBER		
				212-215	GREEN + BLUE + WHITE + UV		
				216-219	GREEN + BLUE + AMBER + UV		
				220-223	GREEN + WHITE + AMBER + UV		
				224-227	BLUE + WHITE + AMBER + UV		
				228-231	RED + GREEN + BLUE + WHITE + AMBER		
				232-235	RED + GREEN + BLUE + WHITE + UV		
				236-239	RED + GREEN + BLUE + AMBER + UV		
				240-243	RED + GREEN + WHITE + AMBER + UV		
				244-247	RED + BLUE + WHITE + AMBER + UV		
			248-251	GREEN + BLUE + WHITE + AMBER + UV			
			252-255	RED + GREEN + BLUE + WHITE + AMBER + UV			
			10	<b>Color Chase Macros</b>		X	0
				0-20	No Function		
				21-40	30 Color Chase		
				41-60	6 Color Chase		
				61-80	Color Fade Chase		
			81-255	No Function			
			11	0-255	<b>Color Chase Macro Speed</b> Color Chase Speed Slow to Fast		
				<b>Dimming Modes</b>			
			12	0-20	Standard	X	0
				21-40	Stage		
				41-60	TV		
				61-80	Architectural		
				81-100	Theatre		
			101-255	No Function			