

RELATION SIX+ BAR S - DMX TRAITS

Dim. 1CH	RGB 3CH	Col 6CH	Col & Dim 9CH	CMY 13CH	CMY Ext 16CH	Std. 16CH	Ext. 22CH	2 Cell Std 22CH	2 Cell Ext 34CH	6 Cell Std 46CH	6 Cell Ext 82CH	Raw 6 Cell 36CH	DMX Values	Function	Snap	Default Value
1			1	1	1	1	1	1	1	1	1		0-255	Dimmer Intensity 0 → 100%		0
			2	2	2	2	2	2	2	2	2		0-255	Dimmer Fine Fine Intensity Control		0
			3	3	3	3	3	3	3	3	3			Shutter/Strobe	X	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	1	4			4	4	4	4	4	4	1	0-255	Red Red Saturation 0 → 100%		0
							5	5	5	5	5		0-255	Red Fine Find Red Control		0
	2	2	5			5	6	5	6	5	6	2	0-255	Green Green Saturation 0 → 100%		0
							7	7	7	7	7		0-255	Green Fine Fine Green Control		0
	3	3	6			6	8	6	8	6	8	3	0-255	Blue Blue Saturation 0 → 100%		0
							9	9	9	9	9		0-255	Blue Fine Fine Blue Control		0
		4	7			7	10	7	10	7	10	4	0-255	Lime Lime Saturation 0 → 100%		0
							11	11	11	11	11		0-255	Lime Fine Fine Lime Control		0
		5	8			8	12	8	12	8	12	5	0-255	Amber Amber Saturation 0 → 100%		0
							13	13	13	13	13		0-255	Amber Fine Fine Amber Control		0
		6	9			9	14	9	14	9	14	6	0-255	UV UV Saturation 0 → 100%		0
							15	15	15	15	15		0-255	UV Fine Fine UV Control		0
								10	16	10	16	7	0-255	Red 2 Red Saturation 0 → 100%		0
									17		17		0-255	Red Fine 2 Fine Red Control		0
								11	18	11	18	8	0-255	Green 2 Green Saturation 0 → 100%		0
									19		19		0-255	Green Fine 2 Fine Green Control		0
								12	20	12	20	9	0-255	Blue 2 Blue Saturation 0 → 100%		0
									21		21		0-255	Blue Fine 2 Fine Blue Control		0
								13	22	13	22	10	0-255	Lime 2 Lime Saturation 0 → 100%		0
									23		23		0-255	Lime Fine 2 Fine Lime Control		0
								14	24	14	24	11	0-255	Amber 2 Amber Saturation 0 → 100%		0
									25		25		0-255	Amber Fine 2 Fine Amber Control		0
								15	26	15	26	12	0-255	UV 2 UV Saturation 0 → 100%		0
									27		27		0-255	UV Fine 2 Fine UV Control		0

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Dim. 1CH	RGB 3CH	Col 6CH	Col & Dim 9CH	CMY 13CH	CMY Ext 16CH	Std. 16CH	Ext. 22CH	2 Cell Std 22CH	2 Cell Ext 34CH	6 Cell Std 46CH	6 Cell Ext 82CH	Raw 6 Cell 36CH	DMX Values	Function	Snap	Default Value
										16	28	13	0-255	Red 3 Red Saturation 0 → 100%		0
											29		0-255	Red Fine 3 Fine Red Control		0
										17	30	14	0-255	Green 3 Green Saturation 0 → 100%		0
											31		0-255	Green Fine 3 Fine Green Control		0
										18	32	15	0-255	Blue 3 Blue Saturation 0 → 100%		0
											33		0-255	Blue Fine 3 Fine Blue Control		0
										19	34	16	0-255	Lime 3 Lime Saturation 0 → 100%		0
											35		0-255	Lime Fine 3 Fine Lime Control		0
										20	36	17	0-255	Amber 3 Amber Saturation 0 → 100%		0
											37		0-255	Amber Fine 3 Fine Amber Control		0
										21	38	18	0-255	UV 3 UV Saturation 0 → 100%		0
											39		0-255	UV Fine 3 Fine UV Control		0
										22	40	19	0-255	Red 4 Red Saturation 0 → 100%		0
											41		0-255	Red Fine 4 Fine Red Control		0
										23	42	20	0-255	Green 4 Green Saturation 0 → 100%		0
											43		0-255	Green Fine 4 Fine Green Control		0
										24	44	21	0-255	Blue 4 Blue Saturation 0 → 100%		0
											45		0-255	Blue Fine 4 Fine Blue Control		0
										25	46	22	0-255	Lime 4 Lime Saturation 0 → 100%		0
											47		0-255	Lime Fine 4 Fine Lime Control		0
										26	48	23	0-255	Amber 4 Amber Saturation 0 → 100%		0
											49		0-255	Amber Fine 4 Fine Amber Control		0
										27	50	24	0-255	UV 4 UV Saturation 0 → 100%		0
											51		0-255	UV Fine 4 Fine UV Control		0

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Dim. 1CH	RGB 3CH	Col 6CH	Col & Dim 9CH	CMY 13CH	CMY Ext 16CH	Std. 16CH	Ext. 22CH	2 Cell Std 22CH	2 Cell Ext 34CH	6 Cell Std 46CH	6 Cell Ext 82CH	Raw 6 Cell 36CH	DMX Values	Function	Snap	Default Value
										28	52	25	0-255	Red 5 Red Saturation 0 → 100%		0
											53		0-255	Red Fine 5 Fine Red Control		0
										29	54	26	0-255	Green 5 Green Saturation 0 → 100%		0
											55		0-255	Green Fine 5 Fine Green Control		0
										30	56	27	0-255	Blue 5 Blue Saturation 0 → 100%		0
											57		0-255	Blue Fine 5 Fine Blue Control		0
										31	58	28	0-255	Lime 5 Lime Saturation 0 → 100%		0
											59		0-255	Lime Fine 5 Fine Lime Control		0
										32	60	29	0-255	Amber 5 Amber Saturation 0 → 100%		0
											61		0-255	Amber Fine 5 Fine Amber Control		0
										33	62	0	0-255	UV 5 UV Saturation 0 → 100%		0
											63		0-255	UV Fine 5 Fine UV Control		0
										34	64	31	0-255	Red 6 Red Saturation 0 → 100%		0
											65		0-255	Red Fine 6 Fine Red Control		0
										35	66	32	0-255	Green 6 Green Saturation 0 → 100%		0
											67		0-255	Green Fine 6 Fine Green Control		0
										36	68	33	0-255	Blue 6 Blue Saturation 0 → 100%		0
											69		0-255	Blue Fine 6 Fine Blue Control		0
										37	70	34	0-255	Lime 6 Lime Saturation 0 → 100%		0
											71		0-255	Lime Fine 6 Fine Lime Control		0
										38	72	35	0-255	Amber 6 Amber Saturation 0 → 100%		0
											73		0-255	Amber Fine 6 Fine Amber Control		0
										39	74	36	0-255	UV 6 UV Saturation 0 → 100%		0
											75		0-255	UV Fine 6 Fine UV Control		0

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Dim. 1CH	RGB 3CH	Col 6CH	Col & Dim 9CH	CMY 13CH	CMY Ext 16CH	Std. 16CH	Ext. 22CH	2 Cell Std 22CH	2 Cell Ext 34CH	6 Cell Std 46CH	6 Cell Ext 82CH	Raw 6 Cell 36CH	DMX Values	Function	Snap	Default Value
				4	4								0-255	Cyan Cyan Saturation 0 → 100%		
					5								0-255	Cyan Fine Fine Cyan Control		
				5	6								0-255	Magenta Magenta Saturation 0 → 100%		
					7								0-255	Magenta Fine Fine Magenta Control		
				6	8								0-255	Yellow Yellow Saturation 0 → 100%		
					9								0-255	Yellow Fine Fine Yellow Control		
														Variable CCT		
				7	10	10	16	16	28	40	76		0-23	Open		
													24-85	2400K → 8500K (See Sheet)		
													86-255	8500K		
														Color Wheel		
													0	Open		
													1-179	Virtual Swatch Book (See Table)		
														Color Scroll		
													180-201	Clockwise Fast → Slow		
													202-207	Stop		
				8	11	11	17	17	29	41	77		208-229	Counter-clockwise Slow → Fast		0
													230-234	Open		
														Random Slots		
													235-239	Fast		
													240-244	Medium		
													245-249	Slow		
													250-255	Open		
				9	12	12	18	18	30	42	78		0-255	Effect Selection FX Selection 1 → 255	X	0
														Effect Speed		
				10	13	13	19	19	31	43	79		0-126	Slow → Fast		0
													127-128	Stop		
													129-255	Rev Fast → Slow		
														Effect Offset		
													0	Idle		
													1	Fixture Offset 10 Degrees		
													2	Fixture Offset 20 Degrees		
													3-34	Fixture Offset...		
													35	Fixture Offset 350 Degrees		
													36	Synchronized		
													37-49	Random Fixture Offset		
													50-59	Random Pixel Order		
													60-69	Random Steps		
				11	14	14	20	20	32	44	80		70-79	Idle	X	0
														Effect Fade		
													80-89	Sinewave- Cross		
													90-99	Sinewave- Full		
													100-109	Sawtooth- Cross		
													110-119	Sawtooth- Full		
													120-129	Ramp Up		
													130-139	Ramp Down		
													140-149	Steps		
													150-255	Idle		

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Dim. 1CH	RGB 3CH	Col 6CH	Col & Dim 9CH	CMY 13CH	CMY Ext 16CH	Std. 16CH	Ext. 22CH	2 Cell Std 22CH	2 Cell Ext 34CH	6 Cell Std 46CH	6 Cell Ext 82CH	Raw 6 Cell 36CH	DMX Values	Function	Snap	Default Value
														Dim Modes		
													0-20	Standard		
													21-40	Stage		
													41-60	TV		
													61-80	Architectural		
													81-100	Theatre		
													101-120	Stage 2		
														Dimmer Delay Time		
													121	0s		
													122	0.1s		
													123	0.2s		
													124	0.3s		
													125	0.4s		
													126	0.5s		
													127	0.6s		
													128	0.7s		
				12	15	15	21	21	33	45	81		129	0.8s	X	0
													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		
													142-149	Idle		
														Dim to Warm		
													150-154	DTW On		
													155-159	DTW Off		
													160-255	Idle		
														Control		
													0-59	Idle		
													60-69	Flip Pixel Order		
													70-79	Default Pixel Order		
													80-99	Idle		
														Refresh Rate (Hz)		
													100	900		
													101	910		
													102	920		
													103	930		
													104	940		
				13	16	16	22	22	34	46	82		105	950	X	0
													106	960		
													107	970		
													108	980		
													109	990		
													110	1000		
													111	1010		
													112	1020		
													113	1030		
													114	1040		
													115	1050		

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Dim. 1CH	RGB 3CH	Col 6CH	Col & Dim 9CH	CMY 13CH	CMY Ext 16CH	Std. 16CH	Ext. 22CH	2 Cell Std 22CH	2 Cell Ext 34CH	6 Cell Std 46CH	6 Cell Ext 82CH	Raw 6 Cell 36CH	DMX Values	Function	Snap	Default Value
													116	1060		
													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		
													137	1270		
													138	1280		
													139	1290		
													140	1300		
													141	1310		
													142	1320		
													143	1330		
													144	1340		
				13	16	16	22	22	34	46	82		145	1350		
													146	1360		
													147	1370		
													148	1380		
													149	1390		
													150	1400		
													151	1410		
													152	1420		
													153	1430		
													154	1440		
													155	1450		
													156	1460		
													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		
														Dimmer Curves		
													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+ BAR S - EMULATION DMX TRAITS

6CH	7CH	11CH	13CH	18CH	36CH	DMX Values	Function	Snap	Default Value
1	1	1	1	1	1	0-255	Red Red Saturation 0 → 100%		0
2	2	2	2	2	2	0-255	Green Green Saturation 0 → 100%		0
3	3	3	3	3	3	0-255	Blue Blue Saturation 0 → 100%		0
4	4	4	4	4	4	0-255	White White Saturation 0 → 100%		0
5	5	5	5	5	5	0-255	Amber Amber Saturation 0 → 100%		0
6	6	6	6	6	6	0-255	UV UV Saturation 0 → 100%		0
				7	7	0-255	Red 2 Red Saturation 0 → 100%		0
				8	8	0-255	Green 2 Green Saturation 0 → 100%		0
				9	9	0-255	Blue 2 Blue Saturation 0 → 100%		0
				10	10	0-255	White 2 White Saturation 0 → 100%		0
				11	11	0-255	Amber 2 Amber Saturation 0 → 100%		0
				12	12	0-255	UV 2 UV Saturation 0 → 100%		0
				13	13	0-255	Red 3 Red Saturation 0 → 100%		0
				14	14	0-255	Green 3 Green Saturation 0 → 100%		0
				15	15	0-255	Blue 3 Blue Saturation 0 → 100%		0
				16	16	0-255	White 3 White Saturation 0 → 100%		0
				17	17	0-255	Amber 3 Amber Saturation 0 → 100%		0
				18	18	0-255	UV 3 UV Saturation 0 → 100%		0
					19	0-255	Red 4 Red Saturation 0 → 100%		0
					20	0-255	Green 4 Green Saturation 0 → 100%		0
					21	0-255	Blue 4 Blue Saturation 0 → 100%		0
					22	0-255	White 4 White Saturation 0 → 100%		0
					23	0-255	Amber 4 Amber Saturation 0 → 100%		0
					24	0-255	UV 4 UV Saturation 0 → 100%		0

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6CH	7CH	11CH	13CH	18CH	36CH	DMX Values	Function	Snap	Default Value
					25	0-255	Red 5 Red Saturation 0 → 100%		0
					26	0-255	Green 5 Green Saturation 0 → 100%		0
					27	0-255	Blue 5 Blue Saturation 0 → 100%		0
					28	0-255	White 5 White Saturation 0 → 100%		0
					29	0-255	Amber 5 Amber Saturation 0 → 100%		0
					30	0-255	UV 5 UV Saturation 0 → 100%		0
					31	0-255	Red 6 Red Saturation 0 → 100%		0
					32	0-255	Green 6 Green Saturation 0 → 100%		0
					33	0-255	Blue 6 Blue Saturation 0 → 100%		0
					34	0-255	White 6 White Saturation 0 → 100%		0
					35	0-255	Amber 6 Amber Saturation 0 → 100%		0
					36	0-255	UV 6 UV Saturation 0 → 100%		0
	7	7	7			0-255	Dimmer Intensity 0 → 100%		0
							Shutter/Strobe		
						0-31	Shutter closed		
						32-63	No function (shutter open)		
						64-95	Strobe effect slow to fast		
		8	8			96-127	No function (shutter open)	X	50
						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)		
							Color Macros		
						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		
						56-59	GREEN + AMBER		
						60-63	GREEN + UV		
						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		
								X	0

RELATION SIX+ BAR S - EMULATION DMX TRAITS

6CH	7CH	11CH	13CH	18CH	36CH	DMX Values	Function	Snap	Default Value
							Color Macros		
						124-127	RED + AMBER + UV		
						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		
			9			180-183	RED + GREEN + WHITE + AMBER		
						184-187	RED + GREEN + WHITE + UV	X	0
						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		
							Program Macros		
						0-10	No Function		
						11-26	Program 01 - Dream		
						27-43	Program 02 - Meteor		
						44-60	Program 03 - Fade		
						61-76	Program 04 - Change		
						77-93	Program 05 - Flow 1		
						94-110	Program 06 - Flow 2		
						111-126	Program 07 - Flow 3		
						127-143	Program 08 - Flow 4		
						144-160	Program 09 - Flow 5		
						161-176	Program 10 - Flow 6		
						177-193	Program 11 - Flow 7		
						194-210	Program 12 - Flow 8		
						211-226	Program 13 - Flow 9		
						227-255	No Function		
							Program Speed		
						0-255	Slow → Fast		0
							Program Fade		
						0-255	Slow → Fast		0
							Dimming Modes		
						0-20	Standard		
						21-40	Stage		
						41-60	TV		
						61-80	Architectural		
						81-100	Theatre		
						101-255	No Function	X	0