

DMX CHART

Rogue Outcast 3X Wash
V1.241121



DMX Values

107CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0–100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	0–100%
6	Dimmer	000 ⇔ 255	0–100%
7	Fine Dimmer	000 ⇔ 255	Fine control (16-bit)
8	Shutter	000 ⇔ 019	Closed
		020 ⇔ 024	Open
		025 ⇔ 064	Strobe 1 with decreasing speed
		065 ⇔ 069	Open
		070 ⇔ 084	Strobe 2 (fast on slow off) with decreasing speed
		085 ⇔ 089	Open
		090 ⇔ 104	Strobe 3 (slow on fast off) with decreasing speed
		105 ⇔ 109	Open
		110 ⇔ 124	Strobe 4 (random strobe) with decreasing speed
		125 ⇔ 129	Open
		130 ⇔ 144	Strobe 5 (random fast on slow off) with decreasing speed
		145 ⇔ 149	Open
		150 ⇔ 164	Strobe 6 (random slow on fast off) with decreasing speed
		165 ⇔ 169	Open
		170 ⇔ 184	Strobe 7 (pulse strobe) with decreasing speed
		185 ⇔ 189	Open
		190 ⇔ 204	Strobe 8 (random pulse strobe) with decreasing speed
205 ⇔ 209	Open		
210 ⇔ 224	Strobe 9 (fade on or off) with decreasing speed		
225 ⇔ 229	Open		
230 ⇔ 244	Strobe 10 (pulse strobe) with decreasing speed		
245 ⇔ 255	Open		
9	CTC	000	No function
		245 ⇔ 255	10,000K to 2800K
10	Color	000	No function
		001 ⇔ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇔ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇔ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇔ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇔ 010	8000K R:130 G: 255 B: 96 W: 255
		011	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇔ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇔ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇔ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇔ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇔ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
202 ⇔ 238	R: - G: 0 B: 255 W: 0		
239	Blue R: 0 G: 0 B: 255 W: 0		
240 ⇔ 247	Color change, fast to slow		
248 ⇔ 255	Color jump, fast to slow		
11	Gobos	000 ⇔ 255	see Gobo Values

Channel	Function	Value	Percent/Setting
12	LED Built-ins	000 ⇔ 255	see LED Built-ins
13	LED Built-in Speed	000 ⇔ 127	Clockwise, fast to slow
		128	Stop
		129 ⇔ 255	Counterclockwise, slow to fast
14	LED Built-in Delay	000 ⇔ 255	Fast to slow
15	Background Color Macros	000	No function
		001 ⇔ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇔ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇔ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇔ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇔ 010	8000K R:130 G: 255 B: 96 W: 255
		011	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇔ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇔ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇔ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇔ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇔ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
		202 ⇔ 238	R: - G: 0 B: 255 W: 0
239	Blue R: 0 G: 0 B: 255 W: 0		
240 ⇔ 247	Color change, fast to slow		
248 ⇔ 255	Color jump, fast to slow		
16	Background Color Dimmer	000 ⇔ 255	0–100%
17	Background Color Fine Dimmer	000 ⇔ 255	Fine control (16-bit)
18	Background Red	000 ⇔ 255	0–100%
19	Background Fine Red	000 ⇔ 255	Fine control (16-bit)
20	Background Green	000 ⇔ 255	0–100%
21	Background Fine Green	000 ⇔ 255	Fine control (16-bit)
22	Background Blue	000 ⇔ 255	0–100%
23	Background Fine Blue	000 ⇔ 255	Fine control (16-bit)
24	Background White	000 ⇔ 255	0–100%
25	Background Fine White	000 ⇔ 255	Fine control (16-bit)
26	Zoom	000 ⇔ 255	Narrow to wide

DMX CHART

Rogue Outcast 3X Wash
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Channel	Function		Value	Percent/Setting
27	Control		000 ⇔ 009	No function
			010 ⇔ 014	Pan/Tilt blackout
			015 ⇔ 019	No function
			020 ⇔ 024	RGBW color mixing (5 sec.)
			025 ⇔ 029	CMY color mixing (5 sec.)
			030 ⇔ 049	No function
			050 ⇔ 054	Pan reset
			055 ⇔ 059	Tilt reset
			060 ⇔ 064	Zoom reset
			065 ⇔ 069	No function
			070 ⇔ 074	Reset all
			075 ⇔ 079	No function
			080 ⇔ 084	Pan/tilt reverse
			085 ⇔ 089	Pan reverse
			090 ⇔ 094	Tilt reverse
			095 ⇔ 099	Cancel pan reverse
			100 ⇔ 104	Cancel tilt reverse
			105 ⇔ 109	Cancel pan/tilt reverse
			110 ⇔ 119	No function
			120 ⇔ 124	Fan low speed
			125 ⇔ 129	Fan full speed
			130 ⇔ 134	Fan auto
			135 ⇔ 139	Dimmer fast mode
			140 ⇔ 144	Dimmer smooth mode
			145 ⇔ 149	Linear curve
150 ⇔ 154	Square curve			
155 ⇔ 159	I Squa curve			
160 ⇔ 164	S-Curve			
165 ⇔ 169	White mode on			
170 ⇔ 174	White mode off			
175 ⇔ 255	No function			
28	Red	Cyan	000 ⇔ 255	0–100% / 100–0%
29	Fine Red	Fine Cyan	000 ⇔ 255	Fine control (16-bit)
30	Green	Magenta	000 ⇔ 255	0–100% / 100–0%
31	Fine Green	Fine Magenta	000 ⇔ 255	Fine control (16-bit)
32	Blue	Yellow	000 ⇔ 255	0–100% / 100–0%
33	Fine Blue	Fine Yellow	000 ⇔ 255	Fine control (16-bit)
34	White		000 ⇔ 255	0–100% / 100–0%
35	Fine White		000 ⇔ 255	Fine control (16-bit)
36	Red 1	Cyan 1	000 ⇔ 255	0–100% / 100–0%
37	Fine Red 1	Fine Cyan 1	000 ⇔ 255	Fine control (16-bit)
38	Green 1	Magenta 1	000 ⇔ 255	0–100% / 100–0%
39	Fine Green 1	Fine Magenta 1	000 ⇔ 255	Fine control (16-bit)
40	Blue 1	Yellow 1	000 ⇔ 255	0–100% / 100–0%
41	Fine Blue 1	Fine Yellow 1	000 ⇔ 255	Fine control (16-bit)
42	White 1		000 ⇔ 255	0–100% / 100–0%
43	Fine White 1		000 ⇔ 255	Fine control (16-bit)
44	Red 2	Cyan 2	000 ⇔ 255	0–100% / 100–0%
45	Fine Red 2	Fine Cyan 2	000 ⇔ 255	Fine control (16-bit)
46	Green 2	Magenta 2	000 ⇔ 255	0–100% / 100–0%
47	Fine Green 2	Fine Magenta 2	000 ⇔ 255	Fine control (16-bit)
48	Blue 2	Yellow 2	000 ⇔ 255	0–100% / 100–0%
49	Fine Blue 2	Fine Yellow 2	000 ⇔ 255	Fine control (16-bit)
50	White 2		000 ⇔ 255	0–100% / 100–0%
51	Fine White 2		000 ⇔ 255	Fine control (16-bit)
52	Red 3	Cyan 3	000 ⇔ 255	0–100% / 100–0%

Channel	Function		Value	Percent/Setting
53	Fine Red 3	Fine Cyan 3	000 ⇄ 255	Fine control (16-bit)
54	Green 3	Magenta 3	000 ⇄ 255	0–100% / 100–0%
55	Fine Green 3	Fine Magenta 3	000 ⇄ 255	Fine control (16-bit)
56	Blue	Yellow 3	000 ⇄ 255	0–100% / 100–0%
57	Fine Blue	Fine Yellow 3	000 ⇄ 255	Fine control (16-bit)
58	White 3		000 ⇄ 255	0–100% / 100–0%
59	Fine White 3		000 ⇄ 255	Fine control (16-bit)
60	Red 4	Cyan 4	000 ⇄ 255	0–100% / 100–0%
61	Fine Red 4	Fine Cyan 4	000 ⇄ 255	Fine control (16-bit)
62	Green 4	Magenta 4	000 ⇄ 255	0–100% / 100–0%
63	Fine Green 4	Fine Magenta 4	000 ⇄ 255	Fine control (16-bit)
64	Blue 4	Yellow 4	000 ⇄ 255	0–100% / 100–0%
65	Fine Blue 4	Fine Yellow 4	000 ⇄ 255	Fine control (16-bit)
66	White 4		000 ⇄ 255	0–100% / 100–0%
67	Fine White 4		000 ⇄ 255	Fine control (16-bit)
68	Red 5	Cyan 5	000 ⇄ 255	0–100% / 100–0%
69	Fine Red 5	Fine Cyan 5	000 ⇄ 255	Fine control (16-bit)
70	Green 5	Magenta 5	000 ⇄ 255	0–100% / 100–0%
71	Fine Green 5	Fine Magenta 5	000 ⇄ 255	Fine control (16-bit)
72	Blue 5	Yellow 5	000 ⇄ 255	0–100% / 100–0%
73	Fine Blue 5	Fine Yellow 5	000 ⇄ 255	Fine control (16-bit)
74	White 5		000 ⇄ 255	0–100% / 100–0%
75	Fine White 5		000 ⇄ 255	Fine control (16-bit)
76	Red 6	Cyan 6	000 ⇄ 255	0–100% / 100–0%
77	Fine Red 6	Fine Cyan 6	000 ⇄ 255	Fine control (16-bit)
78	Green 6	Magenta 6	000 ⇄ 255	0–100% / 100–0%
79	Fine Green 6	Fine Magenta 6	000 ⇄ 255	Fine control (16-bit)
80	Blue 6	Yellow 6	000 ⇄ 255	0–100% / 100–0%
81	Fine Blue 6	Fine Yellow 6	000 ⇄ 255	Fine control (16-bit)
82	White 6		000 ⇄ 255	0–100% / 100–0%
83	Fine White 6		000 ⇄ 255	Fine control (16-bit)
84	Red 7	Cyan 7	000 ⇄ 255	0–100% / 100–0%
85	Fine Red 7	Fine Cyan 7	000 ⇄ 255	Fine control (16-bit)
86	Green 7	Magenta 7	000 ⇄ 255	0–100% / 100–0%
87	Fine Green 7	Fine Magenta 7	000 ⇄ 255	Fine control (16-bit)
88	Blue 7	Yellow 7	000 ⇄ 255	0–100% / 100–0%
89	Fine Blue 7	Fine Yellow 7	000 ⇄ 255	Fine control (16-bit)
90	White 7		000 ⇄ 255	0–100% / 100–0%
91	Fine White 7		000 ⇄ 255	Fine control (16-bit)
92	Red 8	Cyan 8	000 ⇄ 255	0–100% / 100–0%
93	Fine Red 8	Fine Cyan 8	000 ⇄ 255	Fine control (16-bit)
94	Green 8	Magenta 8	000 ⇄ 255	0–100% / 100–0%
95	Fine Green 8	Fine Magenta 8	000 ⇄ 255	Fine control (16-bit)
96	Blue 8	Yellow 8	000 ⇄ 255	0–100% / 100–0%
97	Fine Blue 8	Fine Yellow 8	000 ⇄ 255	Fine control (16-bit)
98	White 8		000 ⇄ 255	0–100% / 100–0%
99	Fine White 8		000 ⇄ 255	Fine control (16-bit)
100	Red 9	Cyan 9	000 ⇄ 255	0–100% / 100–0%
101	Fine Red 9	Fine Cyan 9	000 ⇄ 255	Fine control (16-bit)
102	Green 9	Magenta 9	000 ⇄ 255	0–100% / 100–0%
103	Fine Green 9	Fine Magenta 9	000 ⇄ 255	Fine control (16-bit)
104	Blue 9	Yellow 9	000 ⇄ 255	0–100% / 100–0%
105	Fine Blue 9	Fine Yellow 9	000 ⇄ 255	Fine control (16-bit)
106	White 9		000 ⇄ 255	0–100% / 100–0%
107	Fine White 9		000 ⇄ 255	Fine control (16-bit)

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Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0–100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	0–100%
6	Dimmer	000 ⇔ 255	0–100%
7	Fine Dimmer	000 ⇔ 255	Fine control (16-bit)
8	Shutter	000 ⇔ 019	Closed
		020 ⇔ 024	Open
		025 ⇔ 064	Strobe 1 with decreasing speed
		065 ⇔ 069	Open
		070 ⇔ 084	Strobe 2 (fast on slow off) with decreasing speed
		085 ⇔ 089	Open
		090 ⇔ 104	Strobe 3 (slow on fast off) with decreasing speed
		105 ⇔ 109	Open
		110 ⇔ 124	Strobe 4 (random strobe) with decreasing speed
		125 ⇔ 129	Open
		130 ⇔ 144	Strobe 5 (random fast on slow off) with decreasing speed
		145 ⇔ 149	Open
		150 ⇔ 164	Strobe 6 (random slow on fast off) with decreasing speed
		165 ⇔ 169	Open
		170 ⇔ 184	Strobe 7 (pulse strobe) with decreasing speed
		185 ⇔ 189	Open
		190 ⇔ 204	Strobe 8 (random pulse strobe) with decreasing speed
205 ⇔ 209	Open		
210 ⇔ 224	Strobe 9 (fade on or off) with decreasing speed		
225 ⇔ 229	Open		
230 ⇔ 244	Strobe 10 (pulse strobe) with decreasing speed		
245 ⇔ 255	Open		
9	CTC	000	No function
		245 ⇔ 255	10,000K to 2800K
10	Color	000	No function
		001 ⇔ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇔ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇔ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇔ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇔ 010	8000K R:130 G: 255 B: 96 W: 255
		011	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇔ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇔ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇔ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇔ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇔ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
		202 ⇔ 238	R: - G: 0 B: 255 W: 0
		239	Blue R: 0 G: 0 B: 255 W: 0
240 ⇔ 247	Color change, fast to slow		
248 ⇔ 255	Color jump, fast to slow		

Channel	Function	Value	Percent/Setting
11	Gobos	000 ⇄ 255	see Gobo Values
12	LED Built-ins	000 ⇄ 255	see LED Built-ins
13	LED Built-in Speed	000 ⇄ 127	Clockwise, fast to slow
		128	Stop
		129 ⇄ 255	Counterclockwise, slow to fast
14	LED Built-in Delay	000 ⇄ 255	Fast to slow
15	Background Color Macros	000	No function
		001 ⇄ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇄ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇄ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇄ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇄ 010	8000K R:130 G: 255 B: 96 W: 255
		011	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇄ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇄ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇄ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇄ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇄ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
202 ⇄ 238	R: - G: 0 B: 255 W: 0		
239	Blue R: 0 G: 0 B: 255 W: 0		
240 ⇄ 247	Color change, fast to slow		
248 ⇄ 255	Color jump, fast to slow		
16	Background Color Dimmer	000 ⇄ 255	0–100%
17	Background Red	000 ⇄ 255	0–100%
18	Background Green	000 ⇄ 255	0–100%
19	Background Blue	000 ⇄ 255	0–100%
20	Background White	000 ⇄ 255	0–100%
21	Zoom	000 ⇄ 255	Narrow to wide

DMX CHART

Rogue Outcast 3X Wash
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Channel	Function		Value	Percent/Setting
22	Control		000 ⇔ 009	No function
			010 ⇔ 014	Pan/Tilt blackout
			015 ⇔ 019	No function
			020 ⇔ 024	RGBW color mixing (5 sec.)
			025 ⇔ 029	CMY color mixing (5 sec.)
			030 ⇔ 049	No function
			050 ⇔ 054	Pan reset
			055 ⇔ 059	Tilt reset
			060 ⇔ 064	Zoom reset
			065 ⇔ 069	No function
			070 ⇔ 074	Reset all
			075 ⇔ 079	No function
			080 ⇔ 084	Pan/tilt reverse
			085 ⇔ 089	Pan reverse
			090 ⇔ 094	Tilt reverse
			095 ⇔ 099	Cancel pan reverse
			100 ⇔ 104	Cancel tilt reverse
			105 ⇔ 109	Cancel pan/tilt reverse
			110 ⇔ 119	No function
			120 ⇔ 124	Fan low speed
			125 ⇔ 129	Fan full speed
			130 ⇔ 134	Fan auto
			135 ⇔ 139	Dimmer fast mode
			140 ⇔ 144	Dimmer smooth mode
			145 ⇔ 149	Linear curve
150 ⇔ 154	Square curve			
155 ⇔ 159	I Squa curve			
160 ⇔ 164	S-Curve			
165 ⇔ 169	White mode on			
170 ⇔ 174	White mode off			
175 ⇔ 255	No function			
23	Red	Cyan	000 ⇔ 255	0–100% / 100–0%
24	Green	Magenta	000 ⇔ 255	0–100% / 100–0%
25	Blue	Yellow	000 ⇔ 255	0–100% / 100–0%
26	White		000 ⇔ 255	0–100%
27	Dimmer 1		000 ⇔ 255	0–100%
28	Red 1	Cyan 1	000 ⇔ 255	0–100% / 100–0%
29	Green 1	Magenta 1	000 ⇔ 255	0–100% / 100–0%
30	Blue 1	Yellow 1	000 ⇔ 255	0–100% / 100–0%
31	White 1		000 ⇔ 255	0–100%
32	Dimmer 2		000 ⇔ 255	0–100%
33	Red 2	Cyan 2	000 ⇔ 255	0–100% / 100–0%
34	Green 2	Magenta 2	000 ⇔ 255	0–100% / 100–0%
35	Blue 2	Yellow 2	000 ⇔ 255	0–100% / 100–0%
36	White 2		000 ⇔ 255	0–100%
37	Dimmer 3		000 ⇔ 255	0–100%
38	Red 3	Cyan 3	000 ⇔ 255	0–100% / 100–0%
39	Green 3	Magenta 3	000 ⇔ 255	0–100% / 100–0%
40	Blue 3	Yellow 3	000 ⇔ 255	0–100% / 100–0%
41	White 3		000 ⇔ 255	0–100%
42	Dimmer 4		000 ⇔ 255	0–100%
43	Red 4	Cyan 4	000 ⇔ 255	0–100% / 100–0%
44	Green 4	Magenta 4	000 ⇔ 255	0–100% / 100–0%

Channel	Function		Value	Percent/Setting
45	Blue 4	Yellow 4	000 ⇄ 255	0-100% / 100-0%
46	White 4		000 ⇄ 255	0-100%
47	Dimmer 5		000 ⇄ 255	0-100%
48	Red 5	Cyan 5	000 ⇄ 255	0-100% / 100-0%
49	Green 5	Magenta 5	000 ⇄ 255	0-100% / 100-0%
50	Blue 5	Yellow 5	000 ⇄ 255	0-100% / 100-0%
51	White 5		000 ⇄ 255	0-100%
52	Dimmer 6		000 ⇄ 255	0-100%
53	Red 6	Cyan 6	000 ⇄ 255	0-100% / 100-0%
54	Green 6	Magenta 6	000 ⇄ 255	0-100% / 100-0%
55	Blue 6	Yellow 6	000 ⇄ 255	0-100% / 100-0%
56	White 6		000 ⇄ 255	0-100%
57	Dimmer 7		000 ⇄ 255	0-100%
58	Red 7	Cyan 7	000 ⇄ 255	0-100% / 100-0%
59	Green 7	Magenta 7	000 ⇄ 255	0-100% / 100-0%
60	Blue 7	Yellow 7	000 ⇄ 255	0-100% / 100-0%
61	White 7		000 ⇄ 255	0-100%
62	Dimmer 8		000 ⇄ 255	0-100%
63	Red 8	Cyan 8	000 ⇄ 255	0-100% / 100-0%
64	Green 8	Magenta 8	000 ⇄ 255	0-100% / 100-0%
65	Blue 8	Yellow 8	000 ⇄ 255	0-100% / 100-0%
66	White 8		000 ⇄ 255	0-100%
67	Dimmer 9		000 ⇄ 255	0-100%
68	Red 9	Cyan 9	000 ⇄ 255	0-100% / 100-0%
69	Green 9	Magenta 9	000 ⇄ 255	0-100% / 100-0%
70	Blue 9	Yellow 9	000 ⇄ 255	0-100% / 100-0%
71	White 9		000 ⇄ 255	0-100%

DMX CHART

Rogue Outcast 3X Wash
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62CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0–100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	0–100%
6	Dimmer	000 ⇔ 255	0–100%
7	Fine Dimmer	000 ⇔ 255	Fine control (16-bit)
8	Shutter	000 ⇔ 019	Closed
		020 ⇔ 024	Open
		025 ⇔ 064	Strobe 1 with decreasing speed
		065 ⇔ 069	Open
		070 ⇔ 084	Strobe 2 (fast on slow off) with decreasing speed
		085 ⇔ 089	Open
		090 ⇔ 104	Strobe 3 (slow on fast off) with decreasing speed
		105 ⇔ 109	Open
		110 ⇔ 124	Strobe 4 (random strobe) with decreasing speed
		125 ⇔ 129	Open
		130 ⇔ 144	Strobe 5 (random fast on slow off) with decreasing speed
		145 ⇔ 149	Open
		150 ⇔ 164	Strobe 6 (random slow on fast off) with decreasing speed
		165 ⇔ 169	Open
		170 ⇔ 184	Strobe 7 (pulse strobe) with decreasing speed
		185 ⇔ 189	Open
		190 ⇔ 204	Strobe 8 (random pulse strobe) with decreasing speed
205 ⇔ 209	Open		
210 ⇔ 224	Strobe 9 (fade on or off) with decreasing speed		
225 ⇔ 229	Open		
230 ⇔ 244	Strobe 10 (pulse strobe) with decreasing speed		
245 ⇔ 255	Open		
9	CTC	000	No function
		245 ⇔ 255	10,000K to 2800K
10	Color	000	No function
		001 ⇔ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇔ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇔ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇔ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇔ 010	8000K R:130 G: 255 B: 96 W: 255
		011	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇔ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇔ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇔ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇔ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇔ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
202 ⇔ 238	R: - G: 0 B: 255 W: 0		
239	Blue R: 0 G: 0 B: 255 W: 0		
240 ⇔ 247	Color change, fast to slow		
248 ⇔ 255	Color jump, fast to slow		

Channel	Function	Value	Percent/Setting
11	Gobos	000 ⇔ 255	see Gobo Values
12	LED Built-ins	000 ⇔ 255	see LED Built-ins
13	LED Built-in Speed	000 ⇔ 127	Clockwise, fast to slow
		128	Stop
		129 ⇔ 255	Counterclockwise, slow to fast
14	LED Built-in Delay	000 ⇔ 255	Fast to slow
15	Background Color Macros	000	No function
		001 ⇔ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇔ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇔ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇔ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇔ 010	8000K R:130 G: 255 B: 96 W: 255
		011	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇔ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇔ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇔ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇔ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇔ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
		202 ⇔ 238	R: - G: 0 B: 255 W: 0
239	Blue R: 0 G: 0 B: 255 W: 0		
240 ⇔ 247	Color change, fast to slow		
248 ⇔ 255	Color jump, fast to slow		
16	Background Color Dimmer	000 ⇔ 255	0–100%
17	Background Red	000 ⇔ 255	0–100%
18	Background Green	000 ⇔ 255	0–100%
19	Background Blue	000 ⇔ 255	0–100%
20	Background White	000 ⇔ 255	0–100%
21	Zoom	000 ⇔ 255	Narrow to wide

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Channel	Function		Value	Percent/Setting
22	Control		000 ⇔ 009	No function
			010 ⇔ 014	Pan/Tilt blackout
			015 ⇔ 019	No function
			020 ⇔ 024	RGBW color mixing (5 sec.)
			025 ⇔ 029	CMY color mixing (5 sec.)
			030 ⇔ 049	No function
			050 ⇔ 054	Pan reset
			055 ⇔ 059	Tilt reset
			060 ⇔ 064	Zoom reset
			065 ⇔ 069	No function
			070 ⇔ 074	Reset all
			075 ⇔ 079	No function
			080 ⇔ 084	Pan/tilt reverse
			085 ⇔ 089	Pan reverse
			090 ⇔ 094	Tilt reverse
			095 ⇔ 099	Cancel pan reverse
			100 ⇔ 104	Cancel tilt reverse
			105 ⇔ 109	Cancel pan/tilt reverse
			110 ⇔ 119	No function
			120 ⇔ 124	Fan low speed
			125 ⇔ 129	Fan full speed
			130 ⇔ 134	Fan auto
			135 ⇔ 139	Dimmer fast mode
			140 ⇔ 144	Dimmer smooth mode
			145 ⇔ 149	Linear curve
			150 ⇔ 154	Square curve
			155 ⇔ 159	I Squa curve
160 ⇔ 164	S-Curve			
165 ⇔ 169	White mode on			
170 ⇔ 174	White mode off			
175 ⇔ 255	No function			
23	Red	Cyan	000 ⇔ 255	0–100% / 100–0%
24	Green	Magenta	000 ⇔ 255	0–100% / 100–0%
25	Blue	Yellow	000 ⇔ 255	0–100% / 100–0%
26	White		000 ⇔ 255	0–100%
27	Red 1	Cyan 1	000 ⇔ 255	0–100% / 100–0%
28	Green 1	Magenta 1	000 ⇔ 255	0–100% / 100–0%
29	Blue 1	Yellow 1	000 ⇔ 255	0–100% / 100–0%
30	White 1		000 ⇔ 255	0–100%
31	Red 2	Cyan 2	000 ⇔ 255	0–100% / 100–0%
32	Green 2	Magenta 2	000 ⇔ 255	0–100% / 100–0%
33	Blue 2	Yellow 2	000 ⇔ 255	0–100% / 100–0%
34	White 2		000 ⇔ 255	0–100%
35	Red 3	Cyan 3	000 ⇔ 255	0–100% / 100–0%
36	Green 3	Magenta 3	000 ⇔ 255	0–100% / 100–0%
37	Blue 3	Yellow 3	000 ⇔ 255	0–100% / 100–0%
38	White 3		000 ⇔ 255	0–100%
39	Red 4	Cyan 4	000 ⇔ 255	0–100% / 100–0%
40	Green 4	Magenta 4	000 ⇔ 255	0–100% / 100–0%
41	Blue 4	Yellow 4	000 ⇔ 255	0–100% / 100–0%
42	White 4		000 ⇔ 255	0–100%
43	Red 5	Cyan 5	000 ⇔ 255	0–100% / 100–0%
44	Green 5	Magenta 5	000 ⇔ 255	0–100% / 100–0%

Channel	Function		Value	Percent/Setting
45	Blue 5	Yellow 5	000 ⇔ 255	0-100% / 100-0%
46	White 5		000 ⇔ 255	0-100%
47	Red 6	Cyan 6	000 ⇔ 255	0-100% / 100-0%
48	Green 6	Magenta 6	000 ⇔ 255	0-100% / 100-0%
49	Blue 6	Yellow 6	000 ⇔ 255	0-100% / 100-0%
50	White 6		000 ⇔ 255	0-100%
51	Red 7	Cyan 7	000 ⇔ 255	0-100% / 100-0%
52	Green 7	Magenta 7	000 ⇔ 255	0-100% / 100-0%
53	Blue 7	Yellow 7	000 ⇔ 255	0-100% / 100-0%
54	White 7		000 ⇔ 255	0-100%
55	Red 8	Cyan 8	000 ⇔ 255	0-100% / 100-0%
56	Green 8	Magenta 8	000 ⇔ 255	0-100% / 100-0%
57	Blue 8	Yellow 8	000 ⇔ 255	0-100% / 100-0%
58	White 8		000 ⇔ 255	0-100%
59	Red 9	Cyan 9	000 ⇔ 255	0-100% / 100-0%
60	Green 9	Magenta 9	000 ⇔ 255	0-100% / 100-0%
61	Blue 9	Yellow 9	000 ⇔ 255	0-100% / 100-0%
62	White 9		000 ⇔ 255	0-100%

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Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0–100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	0–100%
6	Dimmer	000 ⇔ 255	0–100%
7	Shutter	000 ⇔ 019	Closed
		020 ⇔ 024	Open
		025 ⇔ 064	Strobe 1 with decreasing speed
		065 ⇔ 069	Open
		070 ⇔ 084	Strobe 2 (fast on slow off) with decreasing speed
		085 ⇔ 089	Open
		090 ⇔ 104	Strobe 3 (slow on fast off) with decreasing speed
		105 ⇔ 109	Open
		110 ⇔ 124	Strobe 4 (random strobe) with decreasing speed
		125 ⇔ 129	Open
		130 ⇔ 144	Strobe 5 (random fast on slow off) with decreasing speed
		145 ⇔ 149	Open
		150 ⇔ 164	Strobe 6 (random slow on fast off) with decreasing speed
		165 ⇔ 169	Open
		170 ⇔ 184	Strobe 7 (pulse strobe) with decreasing speed
		185 ⇔ 189	Open
		190 ⇔ 204	Strobe 8 (random pulse strobe) with decreasing speed
		205 ⇔ 209	Open
		210 ⇔ 224	Strobe 9 (fade on or off) with decreasing speed
		225 ⇔ 229	Open
230 ⇔ 244	Strobe 10 (pulse strobe) with decreasing speed		
245 ⇔ 255	Open		
8	CTC	000	No function
		245 ⇔ 255	10,000K to 2800K
9	Color	000	No function
		001 ⇔ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇔ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇔ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇔ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇔ 010	8000K R:130 G: 255 B: 96 W: 255
		011	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇔ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇔ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇔ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇔ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇔ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
		202 ⇔ 238	R: - G: 0 B: 255 W: 0
		239	Blue R: 0 G: 0 B: 255 W: 0
		240 ⇔ 247	Color change, fast to slow
248 ⇔ 255	Color jump, fast to slow		
10	Gobos	000 ⇔ 255	see Gobo Values

Channel	Function	Value	Percent/Setting
11	LED Built-ins	000 ⇔ 255	see LED Built-ins
12	LED Built-in Speed	000 ⇔ 127	Clockwise, fast to slow
		128	Stop
		129 ⇔ 255	Counterclockwise, slow to fast
13	LED Built-in Delay	000 ⇔ 255	Fast to slow
14	Background Color Macros	000	No function
		001 ⇔ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇔ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇔ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇔ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇔ 010	8000K R:130 G: 255 B: 96 W: 255
		011	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇔ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇔ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇔ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇔ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇔ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
		202 ⇔ 238	R: - G: 0 B: 255 W: 0
		239	Blue R: 0 G: 0 B: 255 W: 0
240 ⇔ 247	Color change, fast to slow		
248 ⇔ 255	Color jump, fast to slow		
15	Background Color Dimmer	000 ⇔ 255	0–100%
16	Zoom	000 ⇔ 255	Narrow to wide

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Channel	Function		Value	Percent/Setting
17	Control		000 ⇔ 009	No function
			010 ⇔ 014	Pan/Tilt blackout
			015 ⇔ 019	No function
			020 ⇔ 024	RGBW color mixing (5 sec.)
			025 ⇔ 029	CMY color mixing (5 sec.)
			030 ⇔ 049	No function
			050 ⇔ 054	Pan reset
			055 ⇔ 059	Tilt reset
			060 ⇔ 064	Zoom reset
			065 ⇔ 069	No function
			070 ⇔ 074	Reset all
			075 ⇔ 079	No function
			080 ⇔ 084	Pan/tilt reverse
			085 ⇔ 089	Pan reverse
			090 ⇔ 094	Tilt reverse
			095 ⇔ 099	Cancel pan reverse
			100 ⇔ 104	Cancel tilt reverse
			105 ⇔ 109	Cancel pan/tilt reverse
			110 ⇔ 119	No function
			120 ⇔ 124	Fan low speed
			125 ⇔ 129	Fan full speed
			130 ⇔ 134	Fan auto
			135 ⇔ 139	Dimmer fast mode
			140 ⇔ 144	Dimmer smooth mode
			145 ⇔ 149	Linear curve
			150 ⇔ 154	Square curve
			155 ⇔ 159	I Squa curve
160 ⇔ 164	S-Curve			
165 ⇔ 169	White mode on			
170 ⇔ 174	White mode off			
175 ⇔ 255	No function			
18	Red	Cyan	000 ⇔ 255	0–100% / 100–0%
19	Green	Magenta	000 ⇔ 255	0–100% / 100–0%
20	Blue	Yellow	000 ⇔ 255	0–100% / 100–0%
21	White		000 ⇔ 255	0–100%

Gobo Values

Values	Gobo	Values	Gobo	Values	Gobo
000 ⇄ 003	No function	088 ⇄ 090	Gobo 28	172 ⇄ 174	Gobo 56
004 ⇄ 006	Gobo 1	091 ⇄ 093	Gobo 29	175 ⇄ 177	Gobo 57
007 ⇄ 009	Gobo 2	094 ⇄ 096	Gobo 30	178 ⇄ 180	Gobo 58
010 ⇄ 012	Gobo 3	097 ⇄ 099	Gobo 31	181 ⇄ 183	Gobo 59
013 ⇄ 015	Gobo 4	100 ⇄ 102	Gobo 32	184 ⇄ 186	Gobo 60
016 ⇄ 018	Gobo 5	103 ⇄ 105	Gobo 33	187 ⇄ 189	Gobo 61
019 ⇄ 021	Gobo 6	106 ⇄ 108	Gobo 34	190 ⇄ 192	Gobo 62
022 ⇄ 024	Gobo 7	109 ⇄ 111	Gobo 35	193 ⇄ 195	Gobo 63
025 ⇄ 027	Gobo 8	112 ⇄ 114	Gobo 36	196 ⇄ 198	Gobo 64
028 ⇄ 030	Gobo 9	115 ⇄ 117	Gobo 37	199 ⇄ 201	Gobo 65
031 ⇄ 033	Gobo 10	118 ⇄ 120	Gobo 38	202 ⇄ 204	Gobo 66
034 ⇄ 036	Gobo 11	121 ⇄ 123	Gobo 39	205 ⇄ 207	Gobo 67
037 ⇄ 039	Gobo 12	124 ⇄ 126	Gobo 40	208 ⇄ 210	Gobo 68
040 ⇄ 042	Gobo 13	127 ⇄ 129	Gobo 41	211 ⇄ 213	Gobo 69
043 ⇄ 045	Gobo 14	130 ⇄ 132	Gobo 42	214 ⇄ 216	Gobo 70
046 ⇄ 048	Gobo 15	133 ⇄ 135	Gobo 43	217 ⇄ 219	Gobo 71
049 ⇄ 051	Gobo 16	136 ⇄ 138	Gobo 44	220 ⇄ 222	Gobo 72
052 ⇄ 054	Gobo 17	139 ⇄ 141	Gobo 45	223 ⇄ 225	Gobo 73
055 ⇄ 057	Gobo 18	142 ⇄ 144	Gobo 46	226 ⇄ 228	Gobo 74
058 ⇄ 060	Gobo 19	145 ⇄ 147	Gobo 47	229 ⇄ 231	Gobo 75
061 ⇄ 063	Gobo 20	148 ⇄ 150	Gobo 48	232 ⇄ 234	Gobo 76
067 ⇄ 069	Gobo 21	151 ⇄ 153	Gobo 49	235 ⇄ 237	Gobo 77
070 ⇄ 072	Gobo 22	154 ⇄ 156	Gobo 50	238 ⇄ 240	Gobo 78
073 ⇄ 075	Gobo 23	157 ⇄ 159	Gobo 51	241 ⇄ 243	Gobo 79
076 ⇄ 078	Gobo 24	160 ⇄ 162	Gobo 52	244 ⇄ 246	Gobo 80
079 ⇄ 081	Gobo 25	163 ⇄ 165	Gobo 53	247 ⇄ 249	Gobo 81
082 ⇄ 084	Gobo 26	166 ⇄ 168	Gobo 54	250 ⇄ 252	Gobo 82
085 ⇄ 087	Gobo 27	169 ⇄ 171	Gobo 55	253 ⇄ 255	Gobo 83

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LED Built-ins

Values	LED Built-in (color controllable)	Values	LED Built-ins (auto color)
000 ⇔ 015	No function	136 ⇔ 137	Built-in 37
016 ⇔ 017	Built-in 1	138 ⇔ 139	Built-in 38
018 ⇔ 019	Built-in 2	140 ⇔ 141	Built-in 39
020 ⇔ 021	Built-in 3	142 ⇔ 143	Built-in 40
022 ⇔ 023	Built-in 4	144 ⇔ 145	Built-in 41
024 ⇔ 025	Built-in 5	146 ⇔ 147	Built-in 42
026 ⇔ 027	Built-in 6	148 ⇔ 149	Built-in 43
028 ⇔ 029	Built-in 7	150 ⇔ 151	Built-in 44
030 ⇔ 031	Built-in 8	152 ⇔ 153	Built-in 45
032 ⇔ 033	Built-in 9	154 ⇔ 155	Built-in 46
034 ⇔ 035	Built-in 10	156 ⇔ 157	Built-in 47
036 ⇔ 037	Built-in 11	158 ⇔ 159	Built-in 48
038 ⇔ 039	Built-in 12	160 ⇔ 161	Built-in 49
040 ⇔ 041	Built-in 13	162 ⇔ 163	Built-in 50
042 ⇔ 043	Built-in 14	164 ⇔ 165	Built-in 51
044 ⇔ 045	Built-in 15	166 ⇔ 167	Built-in 52
046 ⇔ 047	Built-in 16	168 ⇔ 169	Built-in 53
048 ⇔ 049	Built-in 17	170 ⇔ 171	Built-in 54
050 ⇔ 051	Built-in 18	172 ⇔ 173	Built-in 55
052 ⇔ 053	Built-in 19	174 ⇔ 175	Built-in 56
054 ⇔ 055	Built-in 20	176 ⇔ 177	Built-in 57
056 ⇔ 057	Built-in 21	178 ⇔ 179	Built-in 58
058 ⇔ 059	Built-in 22	180 ⇔ 181	Built-in 59
060 ⇔ 061	Built-in 23	182 ⇔ 183	Built-in 60
062 ⇔ 063	Built-in 24	184 ⇔ 185	Built-in 61
064 ⇔ 065	Built-in 25	186 ⇔ 187	Built-in 62
066 ⇔ 067	Built-in 26	188 ⇔ 189	Built-in 63
068 ⇔ 069	Built-in 27	190 ⇔ 191	Built-in 64
070 ⇔ 071	Built-in 28	192 ⇔ 193	Built-in 65
072 ⇔ 073	Built-in 29	194 ⇔ 195	Built-in 66
074 ⇔ 075	Built-in 30	196 ⇔ 197	Built-in 67
076 ⇔ 077	Built-in 31	198 ⇔ 199	Built-in 68
078 ⇔ 079	Built-in 32	200 ⇔ 201	Built-in 69
080 ⇔ 081	Built-in 33	202 ⇔ 203	Built-in 70
082 ⇔ 083	Built-in 34	204 ⇔ 205	Built-in 71
084 ⇔ 085	Built-in 35	206 ⇔ 255	Built-in 72 (main)
086 ⇔ 135	Built-in 36 (main)		