

DMX Values

Dmx Mode 47 CH

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	Fast to slow
6	Dimmer	000 ⇔ 255	0–100%
7	Fine dimmer	000 ⇔ 255	Fine control (16-bit)
8	Strobe	000 ⇔ 003	Closed
		004 ⇔ 007	Open
		008 ⇔ 076	Strobe, slow to fast
		077 ⇔ 145	Pulse strobe, slow to fast
		146 ⇔ 215	Random strobe, slow to fast
		216 ⇔ 255	Open
9	Virtual strobe	000 ⇔ 001	No function
		002 ⇔ 128	Shaking strobe, slow to fast
		129 ⇔ 255	Fading shake, slow to fast
10	Cyan	000 ⇔ 255	0–100%
11	Magenta	000 ⇔ 255	0–100%
12	Yellow	000 ⇔ 255	0–100%
13	Color wheel	000 ⇔ 006	Open
		007 ⇔ 013	Red
		014 ⇔ 020	Orange
		021 ⇔ 027	Green
		028 ⇔ 034	Magenta
		035 ⇔ 041	UV
		042 ⇔ 048	CRI
		049 ⇔ 059	CTB
		060 ⇔ 187	Split colors
		188 ⇔ 219	Color scroll, fast to slow
		220 ⇔ 223	Stop
		224 ⇔ 255	Reverse color scroll, slow to fast
14	Gobo wheel 1 (rotating) (see Gobo Designs)	000 ⇔ 007	Open
		008 ⇔ 015	Gobo 1 (sailboats)
		016 ⇔ 023	Gobo 2 (radial dot)
		024 ⇔ 031	Gobo 3 (mower blade)
		032 ⇔ 039	Gobo 4 (bolts)
		040 ⇔ 047	Gobo 5 (shower glass)
		048 ⇔ 055	Gobo 6 (ballistic clouds)
		056 ⇔ 063	Gobo 7 (four eyes)
		064 ⇔ 071	Gobo 7 shaking
		072 ⇔ 079	Gobo 6 shaking
		080 ⇔ 087	Gobo 5 shaking
		088 ⇔ 095	Gobo 4 shaking
		096 ⇔ 103	Gobo 3 shaking
		104 ⇔ 111	Gobo 2 shaking
		112 ⇔ 119	Gobo 1 shaking
		120 ⇔ 127	Open
		128 ⇔ 191	Gobo scroll, slow to fast
		192 ⇔ 255	Reverse gobo scroll, slow to fast

Channel	Function	Value	Percent/Setting
15	Gobo 1 rotation	000 ⇔ 063	Gobo index
		064 ⇔ 145	Gobo rotation, fast to slow
		146 ⇔ 149	Stop
		150 ⇔ 231	Reverse gobo rotation, slow to fast
		232 ⇔ 255	Bounce effect, short to long
16	Fine gobo 1 rotation	000 ⇔ 255	Fine control (16-bit)
17	Gobo wheel 2 (static) (see Gobo Designs)	000 ⇔ 005	Open
		006 ⇔ 011	Gobo 1 (beam)
		012 ⇔ 017	Gobo 2 (bars)
		018 ⇔ 023	Gobo 3 (circles)
		024 ⇔ 029	Gobo 4 (breakup)
		030 ⇔ 035	Gobo 5 (dots)
		036 ⇔ 041	Gobo 6 (circuits)
		042 ⇔ 047	Gobo 7 (triangles)
		048 ⇔ 053	Gobo 8 (forest)
		054 ⇔ 063	Gobo 9 (rainbows)
		064 ⇔ 069	Gobo 9 shaking
		070 ⇔ 075	Gobo 8 shaking
		076 ⇔ 081	Gobo 7 shaking
		082 ⇔ 087	Gobo 6 shaking
		088 ⇔ 093	Gobo 5 shaking
		094 ⇔ 099	Gobo 4 shaking
		100 ⇔ 105	Gobo 3 shaking
		106 ⇔ 111	Gobo 2 shaking
		112 ⇔ 117	Gobo 1 shaking
		118 ⇔ 127	Open
128 ⇔ 191	Gobo scroll, slow to fast		
192 ⇔ 255	Reverse gobo scroll, slow to fast		
18	Blade 1-1	000 ⇔ 255	0–100%
19	Blade 1-1 fine	000 ⇔ 255	Fine control (16-bit)
20	Blade 1-2	000 ⇔ 255	0–100%
21	Blade 1-2 fine	000 ⇔ 255	Fine control (16-bit)
22	Blade 2-1	000 ⇔ 255	0–100%
23	Blade 2-1 fine	000 ⇔ 255	Fine control (16-bit)
24	Blade 2-2	000 ⇔ 255	0–100%
25	Blade 2-2 fine	000 ⇔ 255	Fine control (16-bit)
26	Blade 3-1	000 ⇔ 255	0–100%
27	Blade 3-1 fine	000 ⇔ 255	Fine control (16-bit)
28	Blade 3-2	000 ⇔ 255	0–100%
29	Blade 3-2 fine	000 ⇔ 255	Fine control (16-bit)
30	Blade 4-1	000 ⇔ 255	0–100%
31	Blade 4-1 fine	000 ⇔ 255	Fine control (16-bit)
32	Blade 4-2	000 ⇔ 255	0–100%
33	Blade 4-2 fine	000 ⇔ 255	Fine control (16-bit)
34	Frame rotation	000 ⇔ 255	0–100%
35	Frame fine rotation	000 ⇔ 255	Fine control (16-bit)
36	Focus	000 ⇔ 255	0–100%
37	Fine focus	000 ⇔ 255	Fine control (16-bit)

Channel	Function	Value	Percent/Setting
38	Auto focus	000 ⇔ 010	No function
		011 ⇔ 030	0–5 m
		031 ⇔ 050	6 m
		051 ⇔ 070	7 m
		071 ⇔ 090	8 m
		091 ⇔ 110	9 m
		111 ⇔ 130	10 m
		131 ⇔ 150	12.5 m
		151 ⇔ 170	15 m
		171 ⇔ 190	17.5 m
		191 ⇔ 210	20–60 m
211 ⇔ 255	Auto-detect distance		
39	Zoom	000 ⇔ 255	0–100%
40	Fine zoom	000 ⇔ 255	Fine control (16-bit)
41	Prism	000 ⇔ 004	No function
		005 ⇔ 255	Prism effect
42	Prism rotation	000 ⇔ 127	Prism index
		128 ⇔ 189	Prism rotation, fast to slow
		190 ⇔ 193	Stop
		194 ⇔ 255	Reverse prism rotation, slow to fast
43	Iris	000 ⇔ 063	0–100%
		064 ⇔ 127	Auto change, slow to fast
		128 ⇔ 191	Slow expand, fast shrink (slow to fast)
		192 ⇔ 255	Slow shrink, fast expand (slow to fast)
44	Frost	000 ⇔ 255	0–100%
45	CMY macro	000 ⇔ 009	No function
		010 ⇔ 014	Full CTO
		015 ⇔ 020	½ CTO
		021 ⇔ 255	CMY macro
46	CMY macro speed	000 ⇔ 255	CMY macro speed, fast to slow

Channel	Function	Value	Percent/Setting
47	Control	000 ⇔ 007	No function
		008 ⇔ 015	Pan tilt blackout
		016 ⇔ 023	Color blackout
		024 ⇔ 031	Gobo blackout
		032 ⇔ 039	Pan tilt/color blackout
		040 ⇔ 047	Pan tilt/gobo blackout
		048 ⇔ 055	Pan tilt/color/gobo blackout
		056 ⇔ 095	No function
		096 ⇔ 103	Pan reset
		104 ⇔ 111	Tilt reset
		112 ⇔ 119	Color reset
		120 ⇔ 127	Gobo reset
		128 ⇔ 131	High color temperature gobo on
		132 ⇔ 135	High color temperature gobo off
		136 ⇔ 143	Prism reset
		144 ⇔ 151	Frame shutter reset
		152 ⇔ 159	All reset
		160 ⇔ 167	Iris reset
		168 ⇔ 175	Frost reset
		176 ⇔ 183	Zoom reset
		184 ⇔ 191	CMY reset
		192 ⇔ 199	Fan ECO
		200 ⇔ 207	Fan full
		208 ⇔ 215	Fan auto
		216 ⇔ 217	Fan TV25
		218 ⇔ 220	Fan TV35
		221 ⇔ 225	Iris fast mode
		226 ⇔ 230	Iris smooth mode
		231 ⇔ 235	Pan tilt swap on
		236 ⇔ 240	Pan tilt swap off
241 ⇔ 245	Min Zoom Focus on		
246 ⇔ 250	Min Zoom Focus off		
251 ⇔ 255	No function		

Dmx Mode 31 CH

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	Fast to slow
6	Dimmer	000 ⇔ 255	0–100%
7	Strobe	000 ⇔ 003	Closed
		004 ⇔ 007	Open
		008 ⇔ 076	Strobe, slow to fast
		077 ⇔ 145	Pulse strobe, slow to fast
		146 ⇔ 215	Random strobe, slow to fast
		216 ⇔ 255	Open
8	Virtual strobe	000 ⇔ 001	No function
		002 ⇔ 128	Shaking strobe, slow to fast
		129 ⇔ 255	Fading shake, slow to fast
9	Cyan	000 ⇔ 255	0–100%
10	Magenta	000 ⇔ 255	0–100%
11	Yellow	000 ⇔ 255	0–100%
12	Color wheel	000 ⇔ 006	Open
		007 ⇔ 013	Red
		014 ⇔ 020	Orange
		021 ⇔ 027	Green
		028 ⇔ 034	Magenta
		035 ⇔ 041	UV
		042 ⇔ 048	CRI
		049 ⇔ 059	CTB
		060 ⇔ 187	Split colors
		188 ⇔ 219	Color scroll, fast to slow
		220 ⇔ 223	Stop
224 ⇔ 255	Reverse color scroll, slow to fast		
13	Gobo wheel 1 (rotating) (see Gobo Designs)	000 ⇔ 007	Open
		008 ⇔ 015	Gobo 1 (sailboats)
		016 ⇔ 023	Gobo 2 (radial dot)
		024 ⇔ 031	Gobo 3 (mower blade)
		032 ⇔ 039	Gobo 4 (bolts)
		040 ⇔ 047	Gobo 5 (shower glass)
		048 ⇔ 055	Gobo 6 (ballistic clouds)
		056 ⇔ 063	Gobo 7 (four eyes)
		064 ⇔ 071	Gobo 7 shaking
		072 ⇔ 079	Gobo 6 shaking
		080 ⇔ 087	Gobo 5 shaking
		088 ⇔ 095	Gobo 4 shaking
		096 ⇔ 103	Gobo 3 shaking
		104 ⇔ 111	Gobo 2 shaking
		112 ⇔ 119	Gobo 1 shaking
		120 ⇔ 127	Open
		128 ⇔ 191	Gobo scroll, slow to fast
192 ⇔ 255	Reverse gobo scroll, slow to fast		
14	Gobo 1 rotation	000 ⇔ 063	Gobo index
		064 ⇔ 145	Gobo rotation, fast to slow
		146 ⇔ 149	Stop
		150 ⇔ 231	Reverse gobo rotation, slow to fast
		232 ⇔ 255	Bounce effect, short to long

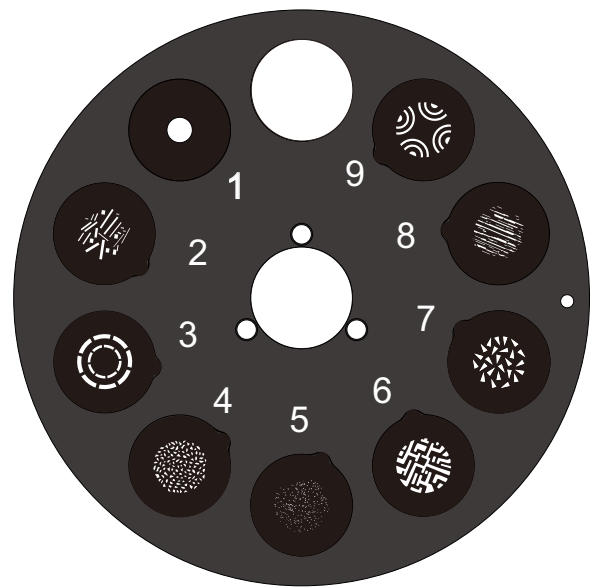
Channel	Function	Value	Percent/Setting
15	Gobo wheel 2 (static) (see Gobo Designs)	000 ⇔ 005	Open
		006 ⇔ 011	Gobo 1 (beam)
		012 ⇔ 017	Gobo 2 (bars)
		018 ⇔ 023	Gobo 3 (circles)
		024 ⇔ 029	Gobo 4 (breakup)
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		088 ⇔ 093	Gobo 5 shaking
		094 ⇔ 099	Gobo 4 shaking
		100 ⇔ 105	Gobo 3 shaking
		106 ⇔ 111	Gobo 2 shaking
112 ⇔ 117	Gobo 1 shaking		
118 ⇔ 127	Open		
128 ⇔ 191	Gobo scroll, slow to fast		
192 ⇔ 255	Reverse gobo scroll, slow to fast		
16	Blade 1-1	000 ⇔ 255	0–100%
17	Blade 1-2	000 ⇔ 255	0–100%
18	Blade 2-1	000 ⇔ 255	0–100%
19	Blade 2-2	000 ⇔ 255	0–100%
20	Blade 3-1	000 ⇔ 255	0–100%
21	Blade 3-2	000 ⇔ 255	0–100%
22	Blade 4-1	000 ⇔ 255	0–100%
23	Blade 4-2	000 ⇔ 255	0–100%
24	Frame rotation	000 ⇔ 255	0–100%
25	Focus	000 ⇔ 255	0–100%
26	Zoom	000 ⇔ 255	0–100%
27	Prism	000 ⇔ 004	No function
		005 ⇔ 255	Prism effect
28	Prism rotation	000 ⇔ 127	Prism index
		128 ⇔ 189	Prism rotation, fast to slow
		190 ⇔ 193	Stop
		194 ⇔ 255	Reverse prism rotation, slow to fast
29	Iris	000 ⇔ 063	0–100%
		064 ⇔ 127	Auto change, slow to fast
		128 ⇔ 191	Slow expand, fast shrink (slow to fast)
		192 ⇔ 255	Slow shrink, fast expand (slow to fast)
30	Frost	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
31	Control	000 ⇄ 007	No function
		008 ⇄ 015	Pan tilt blackout
		016 ⇄ 023	Color blackout
		024 ⇄ 031	Gobo blackout
		032 ⇄ 039	Pan tilt/color blackout
		040 ⇄ 047	Pan tilt/gobo blackout
		048 ⇄ 055	Pan tilt/color/gobo blackout
		056 ⇄ 095	No function
		096 ⇄ 103	Pan reset
		104 ⇄ 111	Tilt reset
		112 ⇄ 119	Color reset
		120 ⇄ 127	Gobo reset
		128 ⇄ 131	High color temperature gobo on
		132 ⇄ 135	High color temperature gobo off
		136 ⇄ 143	Prism reset
		144 ⇄ 151	Frame shutter reset
		152 ⇄ 159	All reset
		160 ⇄ 167	Iris reset
		168 ⇄ 175	Frost reset
		176 ⇄ 183	Zoom reset
		184 ⇄ 191	CMY reset
		192 ⇄ 199	Fan ECO
		200 ⇄ 207	Fan full
		208 ⇄ 215	Fan auto
		216 ⇄ 217	Fan TV25
		218 ⇄ 220	Fan TV35
		221 ⇄ 225	Iris fast mode
		226 ⇄ 230	Iris smooth mode
		231 ⇄ 235	Pan tilt swap on
		236 ⇄ 240	Pan tilt swap off
		241 ⇄ 245	Min Zoom Focus on
		246 ⇄ 250	Min Zoom Focus off
		251 ⇄ 255	No function

Gobo Designs



Rotating gobo wheel



Static gobo wheel