

**DMX Values**  
**48CH**

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	Off
		004 ⇔ 007	On
		008 ⇔ 076	Synchronized strobe, slow to fast
		077 ⇔ 145	Pulse strobe, slow to fast
		146 ⇔ 215	Random strobe, slow to fast
		216 ⇔ 255	On
9	Virtual shaking	000 ⇔ 001	No function
		002 ⇔ 128	Shaking effect, slow to fast
		129 ⇔ 255	Fade effect, slow to fast
10	Cyan	000 ⇔ 255	0–100%
11	Magenta	000 ⇔ 255	0–100%
12	Yellow	000 ⇔ 255	0–100%
13	CTO	000 ⇔ 255	0–100%
14	Color wheel	000 ⇔ 006	Open
		007 ⇔ 013	Color 1 (red)
		014 ⇔ 020	Color 2 (orange)
		021 ⇔ 027	Color 3 (green)
		028 ⇔ 034	Color 4 (magenta)
		035 ⇔ 041	Color 5 (blue)
		042 ⇔ 048	Color 6 (CTO)
		049 ⇔ 059	Color 7 (CTB)
		060 ⇔ 187	Color wheel indexing
		188 ⇔ 219	Color scroll, fast to slow
		220 ⇔ 223	Stop
224 ⇔ 255	Reverse color scroll, slow to fast		
15	Gobo wheel 1 (see <a href="#">Gobo Wheels</a> )	001 ⇔ 007	Open
		008 ⇔ 015	Gobo 1 (Pipes & Poles)
		016 ⇔ 023	Gobo 2 (Cookie Cutter)
		024 ⇔ 031	Gobo 3 (This Way)
		032 ⇔ 039	Gobo 4 (Fast Moves)
		040 ⇔ 047	Gobo 5 (Laser Rays)
		048 ⇔ 055	Gobo 6 (Limbo)
		056 ⇔ 063	Gobo 7 (Fractured Mycelium)
		064 ⇔ 071	Gobo 7 shaking, slow to fast
		072 ⇔ 079	Gobo 6 shaking, slow to fast
		080 ⇔ 087	Gobo 5 shaking, slow to fast
		088 ⇔ 095	Gobo 4 shaking, slow to fast
		096 ⇔ 103	Gobo 3 shaking, slow to fast
		104 ⇔ 111	Gobo 2 shaking, slow to fast
		112 ⇔ 119	Gobo 1 shaking, slow to fast
		120 ⇔ 127	Open
		128 ⇔ 191	Gobo scroll, slow to fast
		192 ⇔ 255	Reverse gobo scroll, slow to fast

Channel	Function	Value	Percent/Setting
16	Gobo wheel 1 rotate	000 ⇔ 063	Gobo index
		064 ⇔ 145	Clockwise rotation, fast to slow
		146 ⇔ 149	Stop
		150 ⇔ 231	Counterclockwise rotation, slow to fast
		232 ⇔ 255	Alternating clockwise/counterclockwise rotation, short to long
17	Gobo 1 fine rotate	000 ⇔ 255	Fine control (16-bit)
18	Gobo wheel 2 (see <a href="#">Gobo Wheels</a> )	001 ⇔ 005	Open
		006 ⇔ 011	Gobo 1 (Dots)
		012 ⇔ 017	Gobo 2 (Paperclip Party)
		018 ⇔ 023	Gobo 3 (Orbital)
		024 ⇔ 029	Gobo 4 (Dirty Dirt)
		030 ⇔ 035	Gobo 5 (Box Cutter)
		036 ⇔ 041	Gobo 6 (Crazy Turns)
		042 ⇔ 047	Gobo 7 (Hex Chem)
		048 ⇔ 053	Gobo 8 (Scribble)
		054 ⇔ 063	Gobo 9 (Aperture)
		064 ⇔ 069	Gobo 9 shaking, slow to fast
		070 ⇔ 075	Gobo 8 shaking, slow to fast
		076 ⇔ 081	Gobo 7 shaking, slow to fast
		082 ⇔ 087	Gobo 6 shaking, slow to fast
		088 ⇔ 093	Gobo 5 shaking, slow to fast
		094 ⇔ 099	Gobo 4 shaking, slow to fast
		100 ⇔ 105	Gobo 3 shaking, slow to fast
		106 ⇔ 111	Gobo 2 shaking, slow to fast
112 ⇔ 117	Gobo 1 shaking, slow to fast		
118 ⇔ 127	Open		
128 ⇔ 191	Gobo scroll, slow to fast		
192 ⇔ 255	Reverse gobo scroll, slow to fast		
19	Blade 1-1	000 ⇔ 255	0–100%
20	Fine blade 1-1	000 ⇔ 255	Fine control (16-bit)
21	Blade 1-2	000 ⇔ 255	0–100%
22	Fine blade 1-2	000 ⇔ 255	Fine control (16-bit)
23	Blade 2-1	000 ⇔ 255	0–100%
24	Fine blade 2-1	000 ⇔ 255	Fine control (16-bit)
25	Blade 2-2	000 ⇔ 255	0–100%
26	Fine blade 2-2	000 ⇔ 255	Fine control (16-bit)
27	Blade 3-1	000 ⇔ 255	0–100%
28	Fine blade 3-1	000 ⇔ 255	Fine control (16-bit)
29	Blade 3-2	000 ⇔ 255	0–100%
30	Fine blade 3-2	000 ⇔ 255	Fine control (16-bit)
31	Blade 4-1	000 ⇔ 255	0–100%
32	Fine blade 4-1	000 ⇔ 255	Fine control (16-bit)
33	Blade 4-2	000 ⇔ 255	0–100%
34	Fine blade 4-2	000 ⇔ 255	Fine control (16-bit)
35	Blade rotation	000 ⇔ 255	0–100%
36	Fine blade rotation	000 ⇔ 255	Fine control (16-bit)
37	Focus	000 ⇔ 255	0–100%
38	Fine focus	000 ⇔ 255	Fine control (16-bit)

Channel	Function	Value	Percent/Setting
39	Auto focus	000 ⇔ 010	No function
		011 ⇔ 030	0-5 meters
		031 ⇔ 050	6 meters
		051 ⇔ 070	7 meters
		071 ⇔ 090	8 meters
		091 ⇔ 110	9 meters
		111 ⇔ 130	10 meters
		131 ⇔ 150	12.5 meters
		151 ⇔ 170	15 meters
		171 ⇔ 190	17.5 meters
		191 ⇔ 210	20-60 meters
211 ⇔ 255	Auto detect distance		
40	Zoom	000 ⇔ 255	0–100%
41	Zoom fine	000 ⇔ 255	Fine control (16-bit)
42	Prism	000 ⇔ 004	No function
		005 ⇔ 255	Prism insert
43	Prism rotate	000 ⇔ 127	Prism index
		128 ⇔ 189	Clockwise rotation, fast to slow
		190 ⇔ 193	Stop
		194 ⇔ 255	Counterclockwise rotation, slow to fast
44	Iris	000 ⇔ 063	Big to small
		064 ⇔ 127	Auto change, slow to fast
		128 ⇔ 191	Slow open, fast close, slow to fast
		192 ⇔ 255	Fast open, slow close, slow to fast
45	Frost	000 ⇔ 255	0–100%
46	CMY macro	000 ⇔ 003	No function
		004 ⇔ 006	Full CTO
		007 ⇔ 009	1/4 CTO
		010 ⇔ 255	CMY macro
47	CMY macro speed	000 ⇔ 255	Fast to slow

Channel	Function	Value	Percent/Setting
48	Control (3 second hold)	000 ⇔ 007	No function
		008 ⇔ 015	Blackout during pan/tilt
		016 ⇔ 023	Blackout while color wheel is moving
		024 ⇔ 031	Blackout while gobo wheels are moving
		032 ⇔ 039	Blackout during pan/tilt/color wheel
		040 ⇔ 047	Blackout during pan/tilt/gobo wheels
		048 ⇔ 055	Blackout during pan/tilt/color wheel/gobo wheels
		056	No function
		057	600 Hz PWM
		058	1200 Hz PWM
		059	2000 Hz PWM
		060	4000 Hz PWM
		061	6000 Hz PWM
		062	15000 Hz PWM
		063	No function
		064	Linear dimmer curve
		065	Square dimmer curve
		066	1 square dimmer curve
		067	Scurve dimmer curve
		068	Linear 2 dimmer curve
		069 ⇔ 075	No function
		076 ⇔ 080	Disengage sun shield
		081 ⇔ 084	Engage sun shield
		085 ⇔ 095	No function
		096 ⇔ 103	Pan reset
		104 ⇔ 111	Tilt reset
		112 ⇔ 119	Color wheel reset
		120 ⇔ 127	Gobo wheels reset
		128 ⇔ 135	No function
		136 ⇔ 143	Prism reset
		144 ⇔ 151	Blades reset
		152 ⇔ 159	All reset
		160 ⇔ 167	Iris reset
		168 ⇔ 175	Frost reset
		176 ⇔ 183	Zoom reset
		184 ⇔ 191	CMY/CTO reset
		192 ⇔ 199	Fan mode ECO
		200 ⇔ 207	Fan mode Full
		208 ⇔ 215	Fan mode Auto
		216 ⇔ 220	Fan mode TV25
		221 ⇔ 225	Fan mode TV35
		226 ⇔ 230	No function
		231 ⇔ 235	Pan/tilt swap on
		236 ⇔ 240	Pan/tilt swap off
		241 ⇔ 245	Min Zoom Focus off
		246 ⇔ 250	Min Zoom Focus on
		251 ⇔ 255	No function

32CH

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	Off
		004 ⇔ 007	On
		008 ⇔ 076	Synchronized strobe, slow to fast
		077 ⇔ 145	Pulse strobe, slow to fast
		146 ⇔ 215	Random strobe, slow to fast
		216 ⇔ 255	On
8	Virtual shaking	000 ⇔ 001	No function
		002 ⇔ 128	Shaking effect, slow to fast
		129 ⇔ 255	Fade effect, slow to fast
9	Cyan	000 ⇔ 255	0–100%
10	Magenta	000 ⇔ 255	0–100%
11	Yellow	000 ⇔ 255	0–100%
12	CTO	000 ⇔ 255	0–100%
13	Color wheel	000 ⇔ 006	Open
		007 ⇔ 013	Color 1 (red)
		014 ⇔ 020	Color 2 (orange)
		021 ⇔ 027	Color 3 (green)
		028 ⇔ 034	Color 4 (magenta)
		035 ⇔ 041	Color 5 (blue)
		042 ⇔ 048	Color 6 (CTO)
		049 ⇔ 059	Color 7 (CTB)
		060 ⇔ 187	Color wheel indexing
		188 ⇔ 219	Color scroll, fast to slow
		220 ⇔ 223	Stop
		224 ⇔ 255	Reverse color scroll, slow to fast

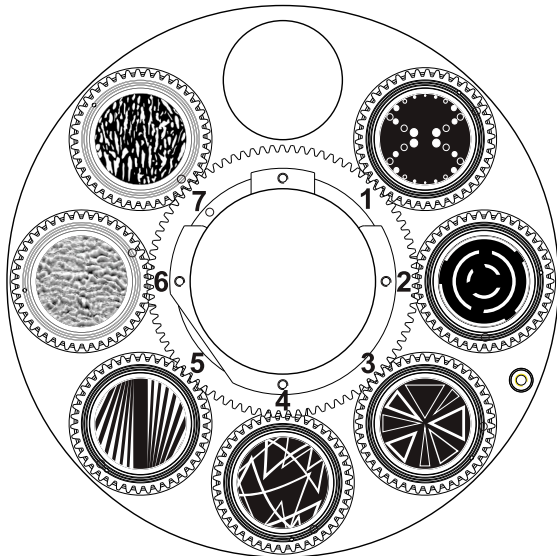
Channel	Function	Value	Percent/Setting
14	<b>Gobo wheel 1</b> (see <a href="#">Gobo Wheels</a> )	001 ⇔ 007	Open
		008 ⇔ 015	Gobo 1 (Pipes & Poles)
		016 ⇔ 023	Gobo 2 (Cookie Cutter)
		024 ⇔ 031	Gobo 3 (This Way)
		032 ⇔ 039	Gobo 4 (Fast Moves)
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		072 ⇔ 079	Gobo 6 shaking, slow to fast
		080 ⇔ 087	Gobo 5 shaking, slow to fast
		088 ⇔ 095	Gobo 4 shaking, slow to fast
		096 ⇔ 103	Gobo 3 shaking, slow to fast
		104 ⇔ 111	Gobo 2 shaking, slow to fast
		112 ⇔ 119	Gobo 1 shaking, slow to fast
		120 ⇔ 127	Open
128 ⇔ 191	Gobo scroll, slow to fast		
192 ⇔ 255	Reverse gobo scroll, slow to fast		
15	<b>Gobo wheel 1 rotate</b>	000 ⇔ 063	Gobo index
		064 ⇔ 145	Clockwise rotation, fast to slow
		146 ⇔ 149	Stop
		150 ⇔ 231	Counterclockwise rotation, slow to fast
		232 ⇔ 255	Alternating clockwise/counterclockwise rotation, short to long
16	<b>Gobo wheel 2</b> (see <a href="#">Gobo Wheels</a> )	001 ⇔ 005	Open
		006 ⇔ 011	Gobo 1 (Dots)
		012 ⇔ 017	Gobo 2 (Paperclip Party)
		018 ⇔ 023	Gobo 3 (Orbital)
		024 ⇔ 029	Gobo 4 (Dirty Dirt)
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		088 ⇔ 093	Gobo 5 shaking, slow to fast
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118 ⇔ 127	Open		
128 ⇔ 191	Gobo scroll, slow to fast		
192 ⇔ 255	Reverse gobo scroll, slow to fast		
17	<b>Blade 1-1</b>	000 ⇔ 255	0–100%
18	<b>Blade 1-2</b>	000 ⇔ 255	0–100%
19	<b>Blade 2-1</b>	000 ⇔ 255	0–100%
20	<b>Blade 2-2</b>	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
21	Blade 3-1	000 ⇔ 255	0–100%
22	Blade 3-2	000 ⇔ 255	0–100%
23	Blade 4-1	000 ⇔ 255	0–100%
24	Blade 4-2	000 ⇔ 255	0–100%
25	Blade rotation	000 ⇔ 255	0–100%
26	Focus	000 ⇔ 255	0–100%
27	Zoom	000 ⇔ 255	0–100%
28	Prism	000 ⇔ 004	No function
		005 ⇔ 255	Prism insert
29	Prism rotate	000 ⇔ 127	Prism index
		128 ⇔ 189	Clockwise rotation, fast to slow
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30	Iris	000 ⇔ 063	Big to small
		064 ⇔ 127	Auto change, slow to fast
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		192 ⇔ 255	Fast open, slow close, slow to fast
31	Frost	000 ⇔ 255	0–100%

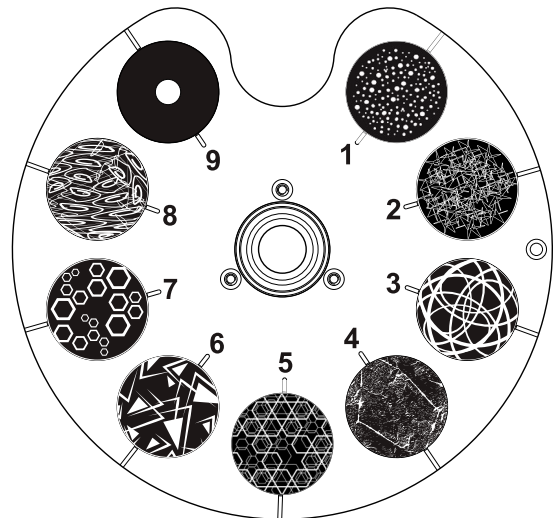
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		040 ⇔ 047	Blackout during pan/tilt/gobo wheels
		048 ⇔ 055	Blackout during pan/tilt/color wheel/gobo wheels
		056	No function
		057	600 Hz PWM
		058	1200 Hz PWM
		059	2000 Hz PWM
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		062	15000 Hz PWM
		063	No function
		064	Linear dimmer curve
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		067	Scurve dimmer curve
		068	Linear 2 dimmer curve
		069 ⇔ 075	No function
		076 ⇔ 080	Disengage sun shield
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		085 ⇔ 095	No function
		096 ⇔ 103	Pan reset
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		120 ⇔ 127	Gobo wheels reset
		128 ⇔ 135	No function
		136 ⇔ 143	Prism reset
		144 ⇔ 151	Blades reset
		152 ⇔ 159	All reset
		160 ⇔ 167	Iris reset
		168 ⇔ 175	Frost reset
		176 ⇔ 183	Zoom reset
		184 ⇔ 191	CMY/CTO reset
		192 ⇔ 199	Fan mode ECO
		200 ⇔ 207	Fan mode Full
		208 ⇔ 215	Fan mode Auto
		216 ⇔ 220	Fan mode TV25
		221 ⇔ 225	Fan mode TV35
		226 ⇔ 230	No function
		231 ⇔ 235	Pan/tilt swap on
		236 ⇔ 240	Pan/tilt swap off
		241 ⇔ 245	Min Zoom Focus off
		246 ⇔ 250	Min Zoom Focus on
		251 ⇔ 255	No function



Gobo Wheels



Gobo wheel 1



Gobo wheel 2