

DMX CHART



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DMX Values

25CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Pan fine	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0–100%
4	Tilt fine	000 ⇔ 255	Fine control (16-bit)
5	Pan/tilt speed	000 ⇔ 255	Fast to slow
6	Dimmer	000 ⇔ 255	0–100%
7	Dimmer fine	000 ⇔ 255	Fine control (16-bit)
8	Strobe	000 ⇔ 007	No function
		008 ⇔ 015	On
		016 ⇔ 131	Synchronized strobe, slow to fast
		132 ⇔ 167	Fast off, slow on (slow to fast)
		168 ⇔ 203	Slow off, fast on (slow to fast)
		204 ⇔ 239	Pulse strobe, slow to fast
		240 ⇔ 247	Random strobe, slow to fast
		248 ⇔ 255	On
9	Color wheel	000 ⇔ 003	Open
		004 ⇔ 007	Red
		008 ⇔ 011	Orange
		012 ⇔ 015	Cyan
		016 ⇔ 019	Light green
		020 ⇔ 023	Light yellow
		024 ⇔ 027	Green
		028 ⇔ 031	Magenta
		032 ⇔ 035	Dark blue
		036 ⇔ 039	Dark yellow
		040 ⇔ 043	Blue
		044 ⇔ 047	CTO 5600K
		048 ⇔ 051	CTO 6500K
		052 ⇔ 059	UV
		060 ⇔ 187	Split colors
		188 ⇔ 219	Clockwise color scroll, fast to slow
		220 ⇔ 223	Stop
224 ⇔ 255	Counterclockwise color scroll, slow to fast		

Channel	Function	Value	Percent/Setting
10	Gobo wheel 1	000 ⇔ 003	Open
		004 ⇔ 006	Gobo 1
		007 ⇔ 009	Gobo 2
		010 ⇔ 012	Gobo 3
		013 ⇔ 015	Gobo 4
		016 ⇔ 018	Gobo 5
		019 ⇔ 021	Gobo 6
		022 ⇔ 024	Gobo 7
		025 ⇔ 027	Gobo 8
		028 ⇔ 030	Gobo 9
		031 ⇔ 033	Gobo 10
		034 ⇔ 036	Gobo 11
		037 ⇔ 039	Gobo 12
		040 ⇔ 042	Gobo 13
		043 ⇔ 059	Open
		060 ⇔ 063	Gobo 1 shaking, slow to fast
		064 ⇔ 067	Gobo 2 shaking, slow to fast
		068 ⇔ 071	Gobo 3 shaking, slow to fast
		072 ⇔ 075	Gobo 4 shaking, slow to fast
		076 ⇔ 079	Gobo 5 shaking, slow to fast
		080 ⇔ 083	Gobo 6 shaking, slow to fast
		084 ⇔ 087	Gobo 7 shaking, slow to fast
		088 ⇔ 091	Gobo 8 shaking, slow to fast
		092 ⇔ 095	Gobo 9 shaking, slow to fast
		096 ⇔ 099	Gobo 10 shaking, slow to fast
		100 ⇔ 103	Gobo 11 shaking, slow to fast
		104 ⇔ 107	Gobo 12 shaking, slow to fast
		108 ⇔ 111	Gobo 13 shaking, slow to fast
		112 ⇔ 127	Open
		128 ⇔ 189	Clockwise gobo scroll, fast to slow
190 ⇔ 193	Stop		
194 ⇔ 255	Counterclockwise gobo scroll, slow to fast		

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Channel	Function	Value	Percent/Setting
11	Gobo wheel 2	001 ⇔ 005	Open (aperture sets to Spot mode)
		006 ⇔ 011	Gobo 1
		012 ⇔ 017	Gobo 2
		018 ⇔ 023	Gobo 3
		024 ⇔ 029	Gobo 4
		030 ⇔ 035	Gobo 5
		036 ⇔ 041	Gobo 6
		042 ⇔ 047	Gobo 7
		048 ⇔ 053	Gobo 8
		054 ⇔ 063	Gobo 9
		064 ⇔ 073	Gobo 1 shaking, slow to fast
		074 ⇔ 079	Gobo 2 shaking, slow to fast
		080 ⇔ 085	Gobo 3 shaking, slow to fast
		086 ⇔ 091	Gobo 4 shaking, slow to fast
		092 ⇔ 097	Gobo 5 shaking, slow to fast
		098 ⇔ 103	Gobo 6 shaking, slow to fast
		104 ⇔ 109	Gobo 7 shaking, slow to fast
110 ⇔ 115	Gobo 8 shaking, slow to fast		
116 ⇔ 121	Gobo 9 shaking, slow to fast		
122 ⇔ 127	Open		
128 ⇔ 191	Clockwise gobo scroll, fast to slow		
192 ⇔ 255	Counterclockwise gobo scroll, slow to fast		
12	Gobo wheel 2 rotate	000 ⇔ 063	Gobo index
		064 ⇔ 147	Clockwise rotation, slow to fast
		148 ⇔ 231	Counterclockwise rotation, fast to slow
		232 ⇔ 255	Alternating clockwise/counterclockwise rotation, slow to fast
13	Focus	000 ⇔ 255	0–100%
14	Focus fine	000 ⇔ 255	Fine control (16-bit)
15	Zoom	000 ⇔ 255	0–100%
16	Zoom fine	000 ⇔ 255	Fine control (16-bit)
17	Prism 1	000 ⇔ 004	No function
		005 ⇔ 255	Prism insert
18	Prism 1 rotate	000 ⇔ 127	Prism index
		128 ⇔ 189	Clockwise rotation, fast to slow
		190 ⇔ 193	Stop
		194 ⇔ 255	Counterclockwise rotation, slow to fast
19	Prism 2	000 ⇔ 004	No function
		005 ⇔ 255	Prism index
20	Prism 2 rotate	000 ⇔ 127	Prism index
		128 ⇔ 189	Clockwise rotation, fast to slow
		190 ⇔ 193	Stop
		194 ⇔ 255	Counterclockwise rotation, slow to fast
21	Frost	000 ⇔ 255	0–100%
22	Beam defraction	000 ⇔ 007	No function
		008 ⇔ 255	Frost effect

Channel	Function	Value	Percent/Setting
23	Movement macros	000 ⇔ 007	No function
		008 ⇔ 015	Effect 1
		016 ⇔ 023	Effect 2
		024 ⇔ 031	Effect 3
		032 ⇔ 039	Effect 4
		040 ⇔ 047	Effect 5
		048 ⇔ 055	Effect 6
		056 ⇔ 063	Effect 7
		064 ⇔ 071	Effect 8
		072 ⇔ 079	Effect 9
		080 ⇔ 087	Effect 10
		088 ⇔ 095	Effect 11
		096 ⇔ 103	Effect 12
		104 ⇔ 111	Effect 13
		112 ⇔ 119	Effect 14
		120 ⇔ 127	Effect 15
		128 ⇔ 135	Effect 16
		136 ⇔ 143	Effect 17
		144 ⇔ 151	Effect 18
		152 ⇔ 159	Effect 19
		160 ⇔ 167	Effect 20
		168 ⇔ 175	Effect 21
		176 ⇔ 183	Effect 22
		184 ⇔ 191	Effect 23
		192 ⇔ 199	Effect 24
		200 ⇔ 207	Effect 25
		208 ⇔ 215	Effect 26
		216 ⇔ 223	Effect 27
		224 ⇔ 231	Effect 28
		232 ⇔ 239	Effect 29
		240 ⇔ 247	Effect 30
248 ⇔ 255	Effect 31		
24	Movement macro speed	000 ⇔ 255	Fast to slow

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Channel	Function	Value	Percent/Setting
25	Control	000 ⇔ 009	No function
		010 ⇔ 019	Defogging fan on, slow to fast
		020 ⇔ 029	Defogging fan off
		030 ⇔ 039	Dimmer conventional mode
		040 ⇔ 049	Dimmer linear mode
		050 ⇔ 059	Pan/tilt fast mode
		060 ⇔ 069	Pan/tilt normal mode
		070 ⇔ 079	Blackout during pan/tilt (3 sec hold)
		080 ⇔ 089	Disable pan/tilt blackout (3 sec hold)
		090 ⇔ 099	Blackout while color wheel is moving (3 sec hold)
		100 ⇔ 109	Disable color wheel blackout (3 sec hold)
		110 ⇔ 119	Blackout while gobo wheels are moving (3 sec hold)
		120 ⇔ 129	Disable gobo wheel blackout (3 sec hold)
		130 ⇔ 139	Lamp on
		140 ⇔ 149	Pan/tilt reset
		150 ⇔ 159	Color wheel reset
		160 ⇔ 169	Gobo wheel reset
		170 ⇔ 179	Strobe/prism reset
		180 ⇔ 189	No function
		190 ⇔ 199	Frost/focus/zoom reset
		200 ⇔ 209	All reset
		210 ⇔ 219	Blackout all function during pan/tilt
		220 ⇔ 229	Disable blackout all function during pan/tilt
230 ⇔ 239	Lamp off		
240 ⇔ 247	Pan/tilt smooth mode on		
248 ⇔ 255	Pan/tilt smooth mode off		

20CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Pan fine	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0–100%
4	Tilt fine	000 ⇔ 255	Fine control (16-bit)
5	Pan/tilt speed	000 ⇔ 255	Fast to slow
6	Dimmer	000 ⇔ 255	0–100%
7	Shutter	000 ⇔ 007	No function
		008 ⇔ 015	On
		016 ⇔ 131	Synchronized strobe, slow to fast
		132 ⇔ 167	Fast off, slow on (slow to fast)
		168 ⇔ 203	Slow off, fast on (slow to fast)
		204 ⇔ 239	Pulse strobe, slow to fast
		240 ⇔ 247	Random strobe, slow to fast
8	Color wheel	248 ⇔ 255	On
		000 ⇔ 003	Open
		004 ⇔ 007	Red
		008 ⇔ 011	Orange
		012 ⇔ 015	Cyan
		016 ⇔ 019	Light green
		020 ⇔ 023	Light yellow
		024 ⇔ 027	Green
		028 ⇔ 031	Magenta
		032 ⇔ 035	Dark blue
		036 ⇔ 039	Dark yellow
		040 ⇔ 043	Blue
		044 ⇔ 047	CTO 5600K
		048 ⇔ 051	CTO 6500K
		052 ⇔ 059	UV
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		188 ⇔ 219	Clockwise color scroll, fast to slow
220 ⇔ 223	Stop		
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		007 ⇔ 009	Gobo 2
		010 ⇔ 012	Gobo 3
		013 ⇔ 015	Gobo 4
		016 ⇔ 018	Gobo 5
		019 ⇔ 021	Gobo 6
		022 ⇔ 024	Gobo 7
		025 ⇔ 027	Gobo 8
		028 ⇔ 030	Gobo 9
		031 ⇔ 033	Gobo 10
		034 ⇔ 036	Gobo 11
		037 ⇔ 039	Gobo 12
		040 ⇔ 042	Gobo 13
		043 ⇔ 059	Open
		060 ⇔ 063	Gobo 1 shaking, slow to fast
		064 ⇔ 067	Gobo 2 shaking, slow to fast
		068 ⇔ 071	Gobo 3 shaking, slow to fast
		072 ⇔ 075	Gobo 4 shaking, slow to fast
		076 ⇔ 079	Gobo 5 shaking, slow to fast
		080 ⇔ 083	Gobo 6 shaking, slow to fast
		084 ⇔ 087	Gobo 7 shaking, slow to fast
		088 ⇔ 091	Gobo 8 shaking, slow to fast
		092 ⇔ 095	Gobo 9 shaking, slow to fast
		096 ⇔ 099	Gobo 10 shaking, slow to fast
		100 ⇔ 103	Gobo 11 shaking, slow to fast
		104 ⇔ 107	Gobo 12 shaking, slow to fast
		108 ⇔ 111	Gobo 13 shaking, slow to fast
		112 ⇔ 127	Open
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		064 ⇔ 147	Clockwise rotation, slow to fast
		148 ⇔ 231	Counterclockwise rotation, fast to slow
		232 ⇔ 255	Alternating clockwise/counterclockwise rotation, slow to fast
12	Focus	000 ⇔ 255	0–100%
13	Zoom	000 ⇔ 255	0–100%
14	Prism 1	000 ⇔ 004	No function
		005 ⇔ 255	Prism insert
15	Prism 1 rotate	000 ⇔ 127	Prism index
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17	Prism 2 rotate	000 ⇔ 127	Prism index
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18	Frost	000 ⇔ 255	0–100%
19	Beam defraction	000 ⇔ 007	No function
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		100 ⇔ 109	Disable color wheel blackout (3 sec hold)
		110 ⇔ 119	Blackout while gobo wheels are moving (3 sec hold)
		120 ⇔ 129	Disable gobo wheel blackout (3 sec hold)
		130 ⇔ 139	Lamp on
		140 ⇔ 149	Pan/tilt reset
		150 ⇔ 159	Color wheel reset
		160 ⇔ 169	Gobo wheel reset
		170 ⇔ 179	Strobe/prism reset
		180 ⇔ 189	No function
		190 ⇔ 199	Frost/focus/zoom reset
200 ⇔ 209	All reset		
210 ⇔ 219	Blackout all function during pan/tilt		
220 ⇔ 229	Disable blackout all function during pan/tilt		
230 ⇔ 239	Lamp off		
240 ⇔ 247	Pan/tilt smooth mode on		
248 ⇔ 255	Pan/tilt smooth mode off		