

DMX CHART



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DMX Values

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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 ⇔ 003	Closed
		004 ⇔ 007	Open
		008 ⇔ 076	Slow to fast
		077 ⇔ 145	Pulse effect from slow to fast
		146 ⇔ 215	Random effect from slow to fast
		216 ⇔ 255	Open
9	Virtual Strobe	000 ⇔ 001	No function
		002 ⇔ 128	Shaking strobe, slow to fast
		129 ⇔ 255	Fade in/out, 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	Blue
		035 ⇔ 041	Magenta
		042 ⇔ 048	UV
		049 ⇔ 059	CTO
		060 ⇔ 187	Split colors
		188 ⇔ 219	Clockwise color scroll, fast to slow
		220 ⇔ 223	Stop
224 ⇔ 255	Counter-clockwise color scroll, slow to fast		
14	Gobo Wheel 1	000 ⇔ 007	Open
		008 ⇔ 015	Gobo 1 (Sailboat)
		016 ⇔ 023	Gobo 2 (Wavy Bar)
		024 ⇔ 031	Gobo 3 (Dot Crickets)
		032 ⇔ 039	Gobo 4 (Nuts n' Bolts)
		040 ⇔ 047	Gobo 5 (Linear Ovals)
		048 ⇔ 055	Gobo 6 (Star Field)
		056 ⇔ 063	Gobo 7 (Shower Glass)
		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	Clockwise gobo scroll, slow to fast		
192 ⇔ 255	Counter-clockwise gobo scroll, slow to fast		
15	Gobo 1 Rotate	000 ⇔ 063	Rotating gobo index
		064 ⇔ 145	Clockwise rotating, fast to slow
		146 ⇔ 149	Stop
		150 ⇔ 231	Counter-clockwise rotating, slow to fast
		232 ⇔ 255	Bounce effect
16	Gobo Wheel 1 Index Fine	000 ⇔ 255	Fine control (16-bit)

Channel	Function	Value	Percent/Setting
17	Gobo Wheel 2	000 ⇔ 006	Open
		007 ⇔ 013	Gobo 1 (Cheese Puffs)
		014 ⇔ 020	Gobo 2 (Triangle Breakups)
		021 ⇔ 027	Gobo 3 (Spot Breakup)
		028 ⇔ 034	Gobo 4 (Triangle)
		035 ⇔ 041	Gobo 5 (Circuits)
		042 ⇔ 048	Gobo 6 (Random Dots)
		049 ⇔ 063	Gobo 7 (Tight Breakup)
		064 ⇔ 070	Gobo 7 Shaking
		071 ⇔ 077	Gobo 6 Shaking
		078 ⇔ 084	Gobo 5 Shaking
		085 ⇔ 091	Gobo 4 Shaking
		092 ⇔ 098	Gobo 3 Shaking
		099 ⇔ 105	Gobo 2 Shaking
		106 ⇔ 112	Gobo 1 Shaking
		113 ⇔ 127	Open
	128 ⇔ 191	Clockwise gobo scroll, slow to fast	
	192 ⇔ 255	Counter-clockwise gobo scroll, slow to fast	
18	Focus	000 ⇔ 255	0-100%
19	Fine Focus	000 ⇔ 255	Fine control (16-bit)
20	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	
21	Zoom	000 ⇔ 255	Narrow-wide
22	Fine Zoom	000 ⇔ 255	Fine control (16-bit)
23	Prism	000 ⇔ 004	No function
		005 ⇔ 255	Prism Effect
24	Prism Rotate	000 ⇔ 127	Rotating position
		128 ⇔ 189	Clockwise rotating, fast to slow
		190 ⇔ 193	Stop
		194 ⇔ 255	Counter-clockwise rotating, slow to fast
25	Iris	000 ⇔ 063	Big to small
		064 ⇔ 127	Auto change, slow to fast
		128 ⇔ 191	Slow zoom out, fast zoom in (slow to fast)
		192 ⇔ 255	Slow zoom in, fast zoom out (slow to fast)
26	Frost	000 ⇔ 255	0-100%
27	CMY Macro	000 ⇔ 009	No function
		010 ⇔ 255	CMY macro
28	CMY Macro Speed	000 ⇔ 255	100%-0

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Channel	Function	Value	Percent/Setting
29	Control	000 ⇔ 007	No function
		008 ⇔ 015	XY blackout
		016 ⇔ 023	C blackout
		024 ⇔ 031	G blackout
		032 ⇔ 039	XYC blackout
		040 ⇔ 047	XYG blackout
		048 ⇔ 055	XYCG blackout
		056 ⇔ 095	no function
		096 ⇔ 103	X reset
		104 ⇔ 111	Y reset
		112 ⇔ 119	Color reset
		120 ⇔ 127	Gobo & gobo rotating reset
		128 ⇔ 135	No function
		136 ⇔ 143	Prism reset
		144 ⇔ 151	No function
		152 ⇔ 159	All reset
		160 ⇔ 167	Iris reset
		168 ⇔ 175	Frost reset
		176 ⇔ 183	Zoom reset
		184 ⇔ 191	CMY reset
		192 ⇔ 199	Fan low speed
		200 ⇔ 207	Fan full speed
		208 ⇔ 215	Fan auto
		216 ⇔ 220	No function
221 ⇔ 225	Iris Fast mode		
226 ⇔ 230	Iris Smooth mode		
231 ⇔ 235	XY swap on		
236 ⇔ 240	XY swap off		
241 ⇔ 255	no function		

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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 ⇔ 003	Closed
		004 ⇔ 007	Open
		008 ⇔ 076	Slow to fast
		077 ⇔ 145	Pulse effect from slow to fast
		146 ⇔ 215	Random effect from slow to fast
		216 ⇔ 255	Open
8	Virtual Strobe	000 ⇔ 001	No function
		002 ⇔ 128	Shaking strobe, slow to fast
		129 ⇔ 255	Fade in/out, 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	Blue
		035 ⇔ 041	Magenta
		042 ⇔ 048	UV
		049 ⇔ 059	CTO
		060 ⇔ 187	Split colors
		188 ⇔ 219	Clockwise color scroll, fast to slow
		220 ⇔ 223	Stop
		224 ⇔ 255	Counter-clockwise color scroll, slow to fast

Channel	Function	Value	Percent/Setting
13	Gobo Wheel 1	000 ⇄ 007	Open
		008 ⇄ 015	Gobo 1 (Sailboat)
		016 ⇄ 023	Gobo 2 (Wavy Bar)
		024 ⇄ 031	Gobo 3 (Dot Crickets)
		032 ⇄ 039	Gobo 4 (Nuts n' Bolts)
		040 ⇄ 047	Gobo 5 (Linear Ovals)
		048 ⇄ 055	Gobo 6 (Star Field)
		056 ⇄ 063	Gobo 7 (Shower Glass)
		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	Clockwise gobo scroll, slow to fast		
192 ⇄ 255	Counter-clockwise gobo scroll, slow to fast		
14	Gobo 1 Rotate	000 ⇄ 063	Rotating gobo index
		064 ⇄ 145	Clockwise rotating, fast to slow
		146 ⇄ 149	Stop
		150 ⇄ 231	Counter-clockwise rotating, slow to fast
		232 ⇄ 255	Bounce effect
15	Gobo Wheel 2	000 ⇄ 006	Open
		007 ⇄ 013	Gobo 1 (Cheese Puffs)
		014 ⇄ 020	Gobo 2 (Triangle Breakups)
		021 ⇄ 027	Gobo 3 (Spot Breakup)
		028 ⇄ 034	Gobo 4 (Triangle)
		035 ⇄ 041	Gobo 5 (Circuits)
		042 ⇄ 048	Gobo 6 (Random Dots)
		049 ⇄ 063	Gobo 7 (Tight Breakup)
		064 ⇄ 070	Gobo 7 Shaking
		071 ⇄ 077	Gobo 6 Shaking
		078 ⇄ 084	Gobo 5 Shaking
		085 ⇄ 091	Gobo 4 Shaking
		092 ⇄ 098	Gobo 3 Shaking
		099 ⇄ 105	Gobo 2 Shaking
		106 ⇄ 112	Gobo 1 Shaking
		113 ⇄ 127	Open
128 ⇄ 191	Clockwise gobo scroll, slow to fast		
192 ⇄ 255	Counter-clockwise gobo scroll, slow to fast		
16	Focus	000 ⇄ 255	0-100%
17	Zoom	000 ⇄ 255	Narrow-wide
18	Prism	000 ⇄ 004	No function
		005 ⇄ 255	Prism Effect
19	Prism Rotate	000 ⇄ 127	Rotating position
		128 ⇄ 189	Clockwise rotating, fast to slow
		190 ⇄ 193	Stop
		194 ⇄ 255	Counter-clockwise rotating, slow to fast
20	Iris	000 ⇄ 063	Big to small
		064 ⇄ 127	Auto change, slow to fast
		128 ⇄ 191	Slow zoom out, fast zoom in (slow to fast)
		192 ⇄ 255	Slow zoom in, fast zoom out (slow to fast)
21	Frost	000 ⇄ 255	100%-0

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Channel	Function	Value	Percent/Setting
22	Control	000 ⇔ 007	No function
		008 ⇔ 015	XY blackout
		016 ⇔ 023	C blackout
		024 ⇔ 031	G blackout
		032 ⇔ 039	XYC blackout
		040 ⇔ 047	XYG blackout
		048 ⇔ 055	XYCG blackout
		056 ⇔ 095	no function
		096 ⇔ 103	X reset
		104 ⇔ 111	Y reset
		112 ⇔ 119	Color reset
		120 ⇔ 127	Gobo & gobo rotating reset
		128 ⇔ 135	No function
		136 ⇔ 143	Prism reset
		144 ⇔ 151	No function
		152 ⇔ 159	All reset
		160 ⇔ 167	Iris reset
		168 ⇔ 175	Frost reset
		176 ⇔ 183	Zoom reset
		184 ⇔ 191	CMY reset
		192 ⇔ 199	Fan low speed
		200 ⇔ 207	Fan full speed
		208 ⇔ 215	Fan auto
		216 ⇔ 220	No function
221 ⇔ 225	Iris Fast mode		
226 ⇔ 230	Iris Smooth mode		
231 ⇔ 235	XY swap on		
236 ⇔ 240	XY swap off		
241 ⇔ 255	no function		