

# DMX CHANNELS / VALUES / FUNCTIONS

**Features subject to change without notice**

\*Rotation direction (Clockwise/Counter-Clockwise) and control of effects depends on head orientation and Pan/Tilt settings\*

MODE / CHANNEL			VALUE	FUNCTION
Basic (19)	Standard (22)	Extended (26)		
1	1	1	000-255	<b>PAN Movement 8-bit</b> Pan Movement by 630/540
	2	2	000-255	<b>PAN Fine 16-bit</b> Fine control Pan movement
2	3	3	000-255	<b>Tilt Movement 8-bit</b> Tilt Movement
	4	4	000-255	<b>Tilt Fine 16-bit</b> Fine control of Tilt movement
3	5	5		<b>Color Wheel 1</b>
			000-007	Open / White
			008-014	Red
			015-021	Orange
			022-028	Yellow
			029-035	Green
			036-042	Dark Blue
			043-049	Purple
			050-056	Light Blue
			057-063	Magenta
			064-127	Color Indexing
			128-189	Clockwise Rotation Fast - Slow
			190-193	No Rotation
194-255	Counter-Clockwise Rotation Slow-Fast			
4	6	6		<b>Gobo Wheel 2</b>
			000-007	Open White
			008-014	Lavender
			015-021	Blue
			022-028	CTB 5600
			029-035	Green
			036-042	Yellow
			043-049	UV
			050-056	CTO 3200
			057-063	Pink
			064-127	Color Indexing
			128-189	Clockwise Rotation Fast - Slow
			190-193	Stop
194-255	Counter-Clockwise Rotation Slow - Fast			

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5	7	7		<b>Gobo Wheel</b>
			000-004	Open
			005-019	Gobo 1
			020-034	Gobo 2
			035-049	Gobo 3
			050-064	Gobo 4
			065-079	Gobo 5
			080-094	Gobo 6
			095-109	Gobo 1 Shake (Slow-Fast)
			110-124	Gobo 2 Shake (Slow-Fast)
			125-139	Gobo 3 Shake (Slow-Fast)
			140-154	Gobo 4 Shake (Slow-Fast)
			155-169	Gobo 5 Shake (Slow-Fast)
			170-189	Gobo 6 Shake (Slow-Fast)
			190-221	Clockwise Rotation Fast-Slow
222-223	No Rotation			
224-255	Counter-Clockwise Rotation Slow-Fast			
6	8	8		<b>Gobo Rotation</b>
			000-127	Indexing
			128-189	Clockwise Rotation (Fast-Slow)
			190-193	No Rotation
			194-255	Counter-Clockwise Rotation Slow-Fast
7	9	9		<b>Shutter &amp; Strobe</b>
			000-031	Shutter Closed (No Function)
			032-063	Shutter Open
			064-095	Strobing Slow-Fast
			096-127	Shutter Open
			128-159	Pulse Effect Slow-Fast
			160-191	Shutter Open
			192-223	Random Strobing Slow-Fast
224-255	Shutter Open			
8	10	10	000-255	<b>Master Dimmer</b> 0%-100%
		11	000-255	<b>Dimmer Fine 16-bit</b> 0%-100%

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9	11	12		<b>Prism 1 (6 Facet Circular)</b>
			000-031	Open
			032-255	Shutter Open
10	12	13		<b>Prism 1 Indexing &amp; Rotation</b>
			000-127	Indexing
			128-189	Clockwise Rotation Fast-Slow
			190-193	No Rotation
		14	194-255	Counter-Clockwise Rotation Slow-Fast
11	12	15	000-255	<b>Prism 1 Indexing Fine 16-bit</b>
				<b>Prism 2 (5 Facet Linear)</b>
			000-031	Open
			032-063	Shutter Open
12	14	16		<b>Prism 2 Indexing &amp; Rotation</b>
			000-127	Indexing
			128-189	Clockwise Rotation Fast-Slow
			190-193	No Rotation
		17	194-255	Counter-Clockwise Rotation Slow-Fast
		17	000-255	<b>Prism 2 Indexing Fine (16-bit)</b>
13	15	18	000-255	<b>Focus</b> Far-Near
14	16	19	000-255	<b>Zoom</b> Zoom from narrow to wide
		20	000-255	<b>Zoom Fine Indexing (16-bit)</b> (narrow to wide)
15	17	21	000-255	<b>Frost 1</b> 0%-100%
16	18	22	000-255	<b>Frost 2</b> 0%-100%
	19	23		<b>Dimmer Modes</b>
			000-020	Standard
			021-040	Stage
			041-060	TV
			061-080	Architectural
			081-100	Theatre
			101-120	Stage 2
				<b>Dimming Speed</b>
			121	0.1 Sec.
			122	0.2 Sec.
			123	0.3 Sec.
			124	0.4 Sec.
			125	0.5 Sec.
			126	0.6 Sec.
			127	0.7 Sec.
			128	0.8 Sec.
			129	0.9 Sec.
			130	1.0 Sec.
			131	1.5 Sec.
			132	2.0 Sec.
			133	3.0 Sec.
			134	4.0 Sec.
			135	5.0 Sec.
136	6.0 Sec.			
137	7.0 Sec.			
138	8.0 Sec.			
139	9.0 Sec.			
140	10 Sec.			
		141-255	Default to Unit Setting	

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Basic (19)	Standard (22)	Extended (26)		
				<b>Dimmer Curves</b>
			000-020	Linear
			021-040	Square
			041-060	Inverse Square
			061-080	S-Curve
			081-255	No Function
			000-255	<b>Pan/Tilt Speed</b> Fast-Slow
18	21	25	000-255	<b>Pan/Tilt Speed</b> Fast-Slow
				<b>LED Refresh Rate &amp; Special Functions</b>
			000-010	Default LED Refresh Rate 1200Hz
			011-078	Refresh Rate (Hz)
			11	900
			12	910
			13	920
			14	930
			15	940
			16	950
			17	960
			18	970
			19	980
			20	990
			21	1000
			22	1010
			23	1020
			24	1030
			25	1040
			26	1050
			27	1060
			28	1070
			29	1080
			30	1090
			31	1100
			32	1110
			33	1120
			34	1130
			35	1140
			36	1150
			37	1160
			38	1170
			39	1180
			40	1190
			41	1210
			42	1220
			43	1230
			44	1440
			45	1250
			46	1260
			47	1270
			48	1280
			49	1290
			50	1300

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			51	1310
			52	1320
			53	1330
			54	1340
			55	1350
			56	1360
			57	1370
			58	1380
			59	1390
			60	1400
			61	1410
			62	1420
			63	1430
			64	1440
			65	1450
			66	1460
			67	1470
			68	1480
			69	1490
			70	1500
			71	2500
			72	4000
			73	5000
			74	6000
			75	10K
			76	15K
			77	20K
			78	25K
			79	Disable LED Refresh Rate
			080-089	Enable Blackout w/Pan/Tilt Movement
			090-099	Disable Blackout w/Pan/Tilt Movement
			100-109	Enable Blackout w/Color Change
			110-119	Disable Blackout w/Color Change
			120-129	Enable Blackout w/Gobo Change
			130-139	Disable Blackout w/Gobo Change
			140-149	Reset All
			150-159	Reset Pan/Tilt
			160-169	Reset Color & Gobo
			170-179	Reset Effect & Focus
			180-185	Internal Program 1 (Scenes 1-8)
			186-191	Internal Program 2 (Scenes 9-16)
			192-197	Internal Program 3 (Scenes 17-24)
			198-199	Internal Program 4 (Scenes 25-32)
			200-205	Internal Program 5 (Scenes 33-40)
			206-211	Internal Program 6 (Scenes 41-48)
			212-216	Internal Program 7 (Scenes 49-56)
			217-227	Fan Mode Low
			228-238	Fan Mode High
			239-249	Fan Mode Auto
			250-255	No Function