

DMX CHARTS

Ch	Basic	Standard	Extended	Scene Record
1	SHUTTER	SHUTTER	SHUTTER	SHUTTER
2	DIMMER	DIMMER	DIMMER	DIMMER
3	COLOR WHEEL	DIMMER FINE	DIMMER FINE	COLOR WHEEL
4	ROTATING GOBO	COLOR WHEEL	COLOR WHEEL	ROTATING GOBO
5	GOBO ROTATION	ROTATING GOBO	ROTATING GOBO	GOBO ROTATION
6	PRISM	GOBO ROTATION	GOBO ROTATION	PRISM
7	PRISM ROTATION	GOBO ROTATION FINE	GOBO ROTATION FINE	PRISM ROTATION
8	FROST	PRISM	PRISM	FROST
9	ZOOM	PRISM ROTATION	PRISM ROTATION	ZOOM
10	FOCUS	FROST	PRISM ROTATION FINE	FOCUS
11	ANIMATION WHEEL	ZOOM	FROST	ANIMATION WHEEL
12	ANIMATION WHEEL ROT.	ZOOM FINE	ZOOM	ANIMATION WHEEL ROT.
13	BLADE 1 POSITION	FOCUS	ZOOM FINE	BLADE 1 POSITION
14	BLADE 1 ROTATION	FOCUS FINE	FOCUS	BLADE 1 ROTATION
15	BLADE 2 POSITION	ANIMATION WHEEL	FOCUS FINE	BLADE 2 POSITION
16	BLADE 2 ROTATION	ANIMATION WHEEL ROT.	ANIMATION WHEEL	BLADE 2 ROTATION
17	BLADE 3 POSITION	BLADE 1 POSITION	ANIMATION WHEEL ROT.	BLADE 3 POSITION
18	BLADE 3 ROTATION	BLADE 1 ROTATION	ANIMATION WHEEL ROT. F.	BLADE 3 ROTATION
19	BLADE 4 POSITION	BLADE 2 POSITION	BLADE 1 POSITION	BLADE 4 POSITION
20	BLADE 4 ROTATION	BLADE 2 ROTATION	BLADE 1 POSITION FINE	BLADE 4 ROTATION
21	FRAME ROTATION	BLADE 3 POSITION	BLADE 1 ROTATION	FRAME ROTATION
22	CONTROL	BLADE 3 ROTATION	BLADE 1 ROTATION FINE	FRAME SHUTTER MACROS
23		BLADE 4 POSITION	BLADE 2 POSITION	F.S. MACROS SPEED
24		BLADE 4 ROTATION	BLADE 2 POSITION FINE	
25		FRAME ROTATION	BLADE 2 ROTATION	
26		FRAME SHUTTER MACROS	BLADE 2 ROTATION FINE	
27		F.S. MACROS SPEED	BLADE 3 POSITION	
28		SHOW	BLADE 3 POSITION FINE	
29		CHASE	BLADE 3 ROTATION	
30		SCENES	BLADE 3 ROTATION FINE	
31		RECORD SCENE	BLADE 4 POSITION	
32		CONTROL	BLADE 4 POSITION FINE	
33			BLADE 4 ROTATION	
34			BLADE 4 ROTATION FINE	
35			FRAME ROTATION	
36			FRAME ROTATION FINE	
37			FRAME SHUTTER MACROS	
38			F.S. MACROS SPEED	
39			SHOW	
40			CHASE	
41			SCENES	
42			RECORD SCENE	
43			CONTROL	

Basic	Standard	Extended	Scene Record	Function	DMX Value	Default
1	1	1	1	SHUTTER Close Strobe from slow to fast Open Pulse in from slow to fast Open Pulse out from slow to fast Open Random from slow to fast Open	000 ÷ 001 002 ÷ 062 063 ÷ 064 065 ÷ 125 126 ÷ 127 128 ÷ 188 189 ÷ 190 191 ÷ 251 252 ÷ 255	255
2	2	2	2	DIMMER Linear from 0% to 100%	000 ÷ 255	000
	3	3		DIMMER FINE	000 ÷ 255	000
3	4	4	3	COLOR WHEEL Indexed Open Open + DARK RED DARK RED DARK RED + CONGO BLUE CONGO BLUE CONGO BLUE + YELLOW YELLOW YELLOW + GREEN GREEN GREEN + MAGENTA MAGENTA MAGENTA + CTO 2700K CTO 2700K CTO 2700K + CTO 3200K CTO 3200K CTO 3200K + Open Forward Spin From fast to slow Stop Stop Reverse Spin From slow to fast	000 ÷ 006 007 ÷ 013 014 ÷ 020 021 ÷ 027 028 ÷ 034 035 ÷ 041 042 ÷ 048 049 ÷ 055 056 ÷ 062 063 ÷ 069 070 ÷ 076 077 ÷ 083 084 ÷ 090 091 ÷ 097 098 ÷ 104 105 ÷ 111 112 ÷ 182 183 ÷ 184 185 ÷ 255	000
4	5	5	4	ROTATING GOBO Indexed Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Forward Spin From fast to slow Stop Stop Reverse Spin From slow to fast Shake Gobo 1 from slow to fast Gobo 2 from slow to fast Gobo 3 from slow to fast Gobo 4 from slow to fast Gobo 5 from slow to fast Gobo 6 from slow to fast Gobo 7 from slow to fast	000 ÷ 003 004 ÷ 007 008 ÷ 011 012 ÷ 015 016 ÷ 019 020 ÷ 023 024 ÷ 027 028 ÷ 031 032 ÷ 103 104 ÷ 106 107 ÷ 178 179 ÷ 189 190 ÷ 200 201 ÷ 211 212 ÷ 222 223 ÷ 233 234 ÷ 244 245 ÷ 255	000
5	6	6	5	GOBO ROTATION Continuous Lineary from 0° to 360° Forward Spin From slow to fast Stop Stop Reverse Spin From fast to slow	000 ÷ 127 128 ÷ 190 191 ÷ 192 193 ÷ 255	000

Basic	Standard	Extended	Scene Record	Function	DMX Value	Default
	7	7		GOBO ROTATION FINE	000 ÷ 255	000
6	8	8	6	PRISM Open Prism insert	000 ÷ 127 128 ÷ 255	000
7	9	9	7	PRISM ROTATION Continuous Lineary from 0° to 360° Forward Spin From slow to fast Stop Stop Reverse Spin From fast to slow	000 ÷ 127 128 ÷ 190 191 ÷ 192 193 ÷ 255	000
		10		PRISM ROTATION FINE	000 ÷ 255	000
8	10	11	8	FROST Linear insertion from 0% to 100%	000 ÷ 255	000
9	11	12	9	ZOOM Linear from Narrow to Wide	000 ÷ 255	128
	12	13		ZOOM FINE	000 ÷ 255	128
10	13	14	10	FOCUS Lineary from in to out	000 ÷ 255	128
	14	15		FOCUS FINE	000 ÷ 255	128
11	15	16	11	ANIMATION WHEEL Linear insertion from 0% to 100%	000 ÷ 255	000
12	16	17	12	ANIMATION WHEEL ROTATION Continuous Lineary from 0° to 360° Forward Spin From slow to fast Stop Stop Reverse Spin From fast to slow	000 ÷ 127 128 ÷ 190 191 ÷ 192 193 ÷ 255	000
		18		ANIMATION WHEEL ROTATION FINE	000 ÷ 255	000
13	17	19	13	BLADE 1 POSITION Movement from outward to inward	000 ÷ 255	000
		20		BLADE 1 POSITION FINE	000 ÷ 255	000
14	18	21	14	BLADE 1 ROTATION Swivelling from -25 degrees towards 0 degrees 0 degrees Swivelling from 0 degrees to +25 degrees	000 ÷ 127 128 129 ÷ 255	128
		22		BLADE 1 ROTATION FINE	000 ÷ 255	128
15	19	23	15	BLADE 2 POSITION Movement from outward to inward	000 ÷ 255	000
		24		BLADE 2 POSITION FINE	000 ÷ 255	000
16	20	25	16	BLADE 2 ROTATION Swivelling from -25 degrees towards 0 degrees 0 degrees Swivelling from 0 degrees to +25 degrees	000 ÷ 127 128 129 ÷ 255	128
		26		BLADE 2 ROTATION FINE	000 ÷ 255	128
17	21	27	17	BLADE 3 POSITION Movement from outward to inward	000 ÷ 255	000
		28		BLADE 3 POSITION FINE	000 ÷ 255	000
18	22	29	18	BLADE 3 ROTATION Swivelling from -25 degrees towards 0 degrees 0 degrees Swivelling from 0 degrees to +25 degrees	000 ÷ 127 128 129 ÷ 255	128
		30		BLADE 3 ROTATION FINE	000 ÷ 255	128
19	23	31	19	BLADE 4 POSITION Movement from outward to inward	000 ÷ 255	000
		32		BLADE 4 POSITION FINE	000 ÷ 255	000
20	24	33	20	BLADE 4 ROTATION Swivelling from -25 degrees towards 0 degrees 0 degrees Swivelling from 0 degrees to +25 degrees	000 ÷ 127 128 129 ÷ 255	128
		34		BLADE 4 ROTATION FINE	000 ÷ 255	128

Basic	Standard	Extended	Scene Record	Function	DMX Value	Default
21	25	35	21	FRAMING SHUTTERS ROTATION Rotation from left to center Center Rotation from center to right	000 ÷ 127 128 129 ÷ 255	128
		36		FRAMING SHUTTERS ROTATION FINE	000 ÷ 255	128
	26	37	22	SHUTTERS MACROS No Function Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13 Macro 14 Macro 15 Macro 16 Macro 17 Macro 18 Macro 19 Macro 20 Macro 21 Macro 22 Macro 23 Macro 24 Macro 25 Macro 26 Macro 27 Macro 28 Macro 29 Macro 30 Macro 31 Macro 32 Macro 33 Macro 34 Macro 35 Macro 36	000 ÷ 003 004 ÷ 010 011 ÷ 017 018 ÷ 024 025 ÷ 031 032 ÷ 038 039 ÷ 045 046 ÷ 052 053 ÷ 059 060 ÷ 066 067 ÷ 073 074 ÷ 080 081 ÷ 087 088 ÷ 094 095 ÷ 101 102 ÷ 108 109 ÷ 115 116 ÷ 122 123 ÷ 129 130 ÷ 136 137 ÷ 143 144 ÷ 150 151 ÷ 157 158 ÷ 164 165 ÷ 171 172 ÷ 178 179 ÷ 185 186 ÷ 192 193 ÷ 199 200 ÷ 206 207 ÷ 213 214 ÷ 220 221 ÷ 227 228 ÷ 234 235 ÷ 241 242 ÷ 248 249 ÷ 255	000
	27	38	23	SHUTTERS MACROS SPEED Linear from 0% to 100%	000 ÷ 255	000
	28	39		SHOW No Function Show 1 Show 2 Show 3	000 ÷ 023 024 ÷ 052 053 ÷ 081 082 ÷ 110	000
	29	40		CHASE No Function Chase 1 Chase 2 Chase 3 Chase 4 Chase 5 Chase 6 Chase 7 Chase 8	000 ÷ 023 024 ÷ 052 053 ÷ 081 082 ÷ 110 111 ÷ 139 140 ÷ 168 169 ÷ 197 198 ÷ 226 227 ÷ 255	000

Basic	Standard	Extended	Scene Record	Function	DMX Value	Default
				SCENES		
				No Function	000 ÷ 031	
				Scene 1	032 ÷ 038	
				Scene 2	039 ÷ 045	
				Scene 3	046 ÷ 052	
				Scene 4	053 ÷ 059	
				Scene 5	060 ÷ 066	
				Scene 6	067 ÷ 073	
				Scene 7	074 ÷ 080	
				Scene 8	081 ÷ 087	
				Scene 9	088 ÷ 094	
				Scene 10	095 ÷ 101	
				Scene 11	102 ÷ 108	
				Scene 12	109 ÷ 115	
				Scene 13	116 ÷ 122	
				Scene 14	123 ÷ 129	
				Scene 15	130 ÷ 136	
				Scene 16	137 ÷ 143	
				Scene 17	144 ÷ 150	
				Scene 18	151 ÷ 157	
				Scene 19	158 ÷ 164	
				Scene 20	165 ÷ 171	
				Scene 21	172 ÷ 178	
				Scene 22	179 ÷ 185	
				Scene 23	186 ÷ 192	
				Scene 24	193 ÷ 199	
				Scene 25	200 ÷ 206	
				Scene 26	207 ÷ 213	
				Scene 27	214 ÷ 220	
				Scene 28	221 ÷ 227	
				Scene 29	228 ÷ 234	
				Scene 30	235 ÷ 241	
				Scene 31	242 ÷ 248	
				Scene 32	249 ÷ 255	
						000
				RECORD SCENE		
				No Function	000 ÷ 085	
				Edit Scene mode	086 ÷ 170	
				Record Scene mode	171 ÷ 255	
						000
				CONTROL CHANNEL		
				No Function/Safe	000 ÷ 001	
				COLOR WHEEL 1 BLACKOUT ON (index)	002 ÷ 003	
				COLOR WHEEL 1 BLACKOUT OFF (index)	004 ÷ 005	
				COLOR WHEEL 1 CONTINUOUS ON (index)	006 ÷ 007	
				COLOR WHEEL 1 CONTINUOUS OFF (index)	008 ÷ 009	
				ROTATING GOBO WHEEL BLACKOUT ON (index)	010 ÷ 011	
				ROTATING GOBO WHEEL BLACKOUT OFF (index)	012 ÷ 013	
				ROTATING GOBO WHEEL CONTINUOUS ON (index)	014 ÷ 015	
				ROTATING GOBO WHEEL CONTINUOUS OFF (index)	016 ÷ 017	
				GOBO ROTATION BLACKOUT ON (index)	018 ÷ 019	
				GOBO ROTATION BLACKOUT OFF (index)	020 ÷ 021	
				DISPLAY ON	022 ÷ 023	
				DISPLAY 10S	024 ÷ 025	
				DISPLAY 20S	026 ÷ 027	
				DISPLAY 30S	028 ÷ 029	
				FLIP DISPLAY OFF	030 ÷ 031	
				FLIP DISPLAY ON	032 ÷ 033	
				FLIP DISPLAY AUTO	034 ÷ 035	
				KEY LOCK ON	036 ÷ 037	
				KEY LOCK OFF	038 ÷ 039	
				FAN MODE AUTO	040 ÷ 041	
				FAN MODE ON	042 ÷ 043	
				FAN MODE SILENT	044 ÷ 045	
				RESET ALL	046 ÷ 047	
				RESET COLOR WHEEL	048 ÷ 049	
				RESET ROTATING GOBO WHEEL	050 ÷ 051	
				RESET ZOOM	052 ÷ 053	
				RESET FOCUS	054 ÷ 055	
				RESET ANIMATION	056 ÷ 057	
				RESET PRISM	058 ÷ 059	
				RESET FROST	060 ÷ 061	
				RESET FRAME ROTATION	062 ÷ 063	
				RESET BLADE 1 POSITION	064 ÷ 065	
				RESET BLADE 2 POSITION	066 ÷ 067	
				RESET BLADE 3 POSITION	068 ÷ 069	
				RESET BLADE 4 POSITION	070 ÷ 071	
				ADV. GOBO INDEX ON	072 ÷ 073	
						000
22	32	43				

Basic	Standard	Extended	Scene Record	Function	DMX Value	Default
				ADV. GOBO INDEX OFF	074 ÷ 075	
				ADV. FOCUS INDEX ON	076 ÷ 077	
				ADV. FOCUS INDEX OFF	078 ÷ 079	
				ADV. ZOOM INDEX ON	080 ÷ 081	
				ADV. ZOOM INDEX OFF	082 ÷ 083	
				WARM UP LOW TEMP ON	084 ÷ 085	
				WARM UP LOW TEMP OFF	086 ÷ 087	
				WARM UP LOW TEMP VALUE	088 ÷ 089	
				Reserved	090 ÷ 253	
				FACTORY DEFAULT OF CONTROL FUNCTIONS	254 ÷ 255	

NOTE: for RECORD SCENE function follow the steps described below:

1. Select a scene from 1 to 32 with the SCENES function by setting a value from 032 to 255 of DMX Channel 30 (in Standard mode) or DMX Channel 41 (in Extended mode);
2. To save the scene at the previously selected position set a value from 171 to 255 on DMX Channel 31 (in Standard Mode) or DMX Channel 31 (in Extended Mode);
3. Hold the DMX value set in step 2 for 3 seconds.