

# DMX CHARTS

## DMX Chart with Gobo Rotation disabled

Ch.	Uno	Duo	Basic	Standard	Extended	Direct 8 Bit	Direct 16 Bit
1	DIMMER COARSE	DIMMER COARSE	DIMMER COARSE	DIMMER COARSE	DIMMER COARSE	DIMMER COARSE	DIMMER COARSE
2		DIMMER FINE	DIMMER FINE	DIMMER FINE	DIMMER FINE	DIMMER FINE	DIMMER FINE
3			CCT	STROBE	STROBE	STROBE	STROBE
4				CCT	CCT	WARM WHITE	WARM WHITE
5				CONTROL	CCT FINE	COLD WHITE	WARM WHITE FINE
6					XFade FROM CCT to WW/CW	CONTROL	COLD WHITE
7					WARM WHITE		COLD WHITE FINE
8					WARM WHITE FINE		CONTROL
9					COLD WHITE		
10					COLD WHITE FINE		
11					CONTROL		

Uno	Duo	Basic	Std	Ext	Direct 8 Bit	Direct 16 Bit	Function	DMX Value	Default
1	1	1	1	1	1	1	<b>DIMMER COARSE</b> 0÷100%	000 ÷ 255	000
	2	2	2	2	2	2	<b>DIMMER FINE</b>	000 ÷ 255	000
			3	3	3	3	<b>STROBE</b> Close 0,9 Hz to 20 Hz Strobing Duty Cycle Open Time: 100 ms to 25 ms Duty Cycle Closed Time: 1000 ms to 25 ms Open 0,8 Hz to 6,6 Hz Pulse-In Strobing Duty Cycle Puls-In Time: 250 ms to 50 ms Duty Cycle Closed Time: 1000 ms to 100 ms Open 0,8 Hz to 6,6 Hz Pulse-Out Strobing Duty Cycle Puls-Out Time: 250 ms to 50 ms Duty Cycle Closed Time: 1000 ms to 100 ms Open 0,9 Hz to 20 Hz Random Strobing Duty Cycle Open Time: 100 ms to 25 ms Duty Cycle Closed Time: 1000±500ms to 25±12ms Open	0 ÷ 1 2 ÷ 62  63 ÷ 64 64 ÷ 125  126 ÷ 127 128 ÷ 188  189 ÷ 190 191 ÷ 251  252 ÷ 255	255
		3	4	4			<b>CCT</b> 2700-2800 K 2800-2900 K 2900-3000 K 3000-3100 K 3100-3200 K 3200-3300 K 3300-3400 K 3400-3500 K 3500-3600 K 3600-3800 K 3800-4000 K 4000-4200 K 4200-4400 K 4400-4600 K 4600-4800 K 4800-5000 K 5000-5200 K 5200-5400 K 5400-5600 K	0 ÷ 18 18 ÷ 34 34 ÷ 49 49 ÷ 64 64 ÷ 77 77 ÷ 90 90 ÷ 101 101 ÷ 113 113 ÷ 123 123 ÷ 143 143 ÷ 160 160 ÷ 176 176 ÷ 190 190 ÷ 203 203 ÷ 215 215 ÷ 227 227 ÷ 237 237 ÷ 246 246 ÷ 255	000
				5			<b>CROSSFADE FROM CCT to WW/CW</b> Linear crossfade from CCT to WW/CW	000 ÷ 255	000
				6	4	4	<b>WARM WHITE</b> 0÷100%	000 ÷ 255	000
				7		5	<b>WARM WHITE FINE</b>	000 ÷ 255	000
				8	5	6	<b>COLD WHITE</b> 0÷100%	000 ÷ 255	000
				9		7	<b>COLD WHITE FINE</b>	000 ÷ 255	000

Uno	Duo	Basic	Std	Ext	Direct 8 Bit	Direct 16 Bit	Function	DMX Value	Default
							<b>CONTROL</b>		
							No Function/Safe	0	
							Reserved	2 ÷ 7	
							Dimmer Mode Linear	8 ÷ 9	
							Dimmer Mode S-Curve	10 ÷ 11	
							Dimmer Mode Square Law	12 ÷ 13	
							Dimmer Mode Inverse Sq. Law	14 ÷ 15	
							Dimmer Speed Auto	16 ÷ 17	
							Dimmer Speed Slow	18 ÷ 19	
							Dimmer Speed Medium	20 ÷ 21	
							Dimmer Speed Fast	22 ÷ 23	
							Reserved	24 ÷ 31	
							LED Output Maximum	32 ÷ 33	
							LED Output Linear	34 ÷ 35	
							LED Frequency 625 Hz	36 ÷ 37	
							LED Frequency 1282 Hz	38 ÷ 39	
							LED Frequency 2500 Hz	40 ÷ 41	
							LED Frequency 5000 Hz	42 ÷ 43	
							LED Frequency 6400 Hz	44 ÷ 45	
							LED Frequency 25 kHz	46 ÷ 47	
			5	10	6	8	Fan Auto	48 ÷ 49	
							Fan Balanced	50 ÷ 51	
							Reserved	52 ÷ 73	000
							Fan Full	74 ÷ 75	
							Calibration Off	76 ÷ 77	
							Calibration On	78 ÷ 79	
							Display Flip Regular	80 ÷ 81	
							Display Flip Top Down	82 ÷ 83	
							Display Backlight On	84 ÷ 85	
							Display Backlight 10 s	86 ÷ 87	
							Display Backlight 20 s	88 ÷ 89	
							Display Backlight 30 s	90 ÷ 91	
							DMX Lost Blackout	92 ÷ 93	
							DMX Lost Hold	94 ÷ 95	
							DMX Lost Master Static	96 ÷ 97	
							DMX Lost Master Effect 1	98 ÷ 99	
							DMX Lost Master Effect 2	100 ÷ 101	
							DMX Lost Master Effect 3	102 ÷ 103	
							DMX Lost Slave	104 ÷ 105	
							Gobo Rot. Off	106 ÷ 107	
							Gobo Rot. On	108 ÷ 109	
							Gobo Rot. Reset	110 ÷ 111	
							Reserved	112 ÷ 253	
							Reset All Channels Control	254 ÷ 255	

## DMX Chart with Gobo Rotation enabled

Ch.	Uno Gobo	Duo Gobo	Basic Gobo	Standard Gobo	Extended Gobo	Direct 8 Bit Gobo	Direct 16 Bit Gobo
1	DIMMER COARSE	DIMMER COARSE	DIMMER COARSE	DIMMER COARSE	DIMMER COARSE	DIMMER COARSE	DIMMER COARSE
2	GOBO ROT.	DIMMER FINE	DIMMER FINE	DIMMER FINE	DIMMER FINE	DIMMER FINE	DIMMER FINE
3	GOBO ROT. FINE.	GOBO ROT.	CCT	STROBE	STROBE	STROBE	STROBE
4		GOBO ROT. FINE.	GOBO ROT.	CCT	CCT	WARM WHITE	WARM WHITE
5			GOBO ROT. FINE.	CONTROL	CCT FINE	COLD WHITE	WARM WHITE FINE
6				GOBO ROT.	XFade FROM CCT to WW/ CW	CONTROL	COLD WHITE
7				GOBO ROT. FINE.	WARM WHITE	GOBO ROT.	COLD WHITE FINE
8					WARM WHITE FINE	GOBO ROT. FINE.	CONTROL
9					COLD WHITE		GOBO ROT.
10					COLD WHITE FINE		GOBO ROT. FINE.
11					CONTROL		
12					GOBO ROT.		
13					GOBO ROT. FINE.		

Uno Gobo	Duo Gobo	Basic Gobo	Std Gobo	Ext Gobo	Direct 8 Bit Gobo	Direct 16 Bit Gobo	Function	DMX Value	Default
All Channel and Channel values from DMX Chart with Gobo Rotation disabled plus following Channel									
							<b>GOBO ROTATION</b>		
							Pos 0,00°	0	
							Pos 2,81°	1	
							Pos 5,63°	2	
							Pos 8,44°	3	
							Pos 11,25°	4	
							Pos 14,06°	5	
							Pos 16,88°	6	
							Pos 19,69°	7	
							Pos 22,50°	8	
							Pos 25,31°	9	
							Pos 28,13°	10	
							Pos 30,94°	11	
							Pos 33,75°	12	
							Pos 36,56°	13	
							Pos 39,38°	14	
							Pos 42,19°	15	
							Pos 45,00°	16	
							Pos 47,81°	17	
							Pos 50,63°	18	
							Pos 53,44°	19	
							Pos 56,25°	20	
							Pos 59,06°	21	
							Pos 61,88°	22	
							Pos 64,69°	23	
							Pos 67,50°	24	
							Pos 70,31°	25	
							Pos 73,13°	26	
							Pos 75,94°	27	
							Pos 78,75°	28	
							Pos 81,56°	29	
							Pos 84,38°	30	
							Pos 87,19°	31	
							Pos 90,00°	32	
							Pos 92,81°	33	
							Pos 95,63°	34	
							Pos 98,44°	35	
							Pos 101,25°	36	
							Pos 104,06°	37	
							Pos 106,88°	38	
							Pos 109,69°	39	
							Pos 112,50°	40	
							Pos 115,31°	41	
							Pos 118,13°	42	
							Pos 120,94°	43	
							Pos 123,75°	44	
							Pos 126,56°	45	
2	3	4	6	11	7	9	Pos 129,38°	46	000
							Pos 132,19°	47	
							Pos 135,00°	48	
							Pos 137,81°	49	
							Pos 140,63°	50	
							Pos 143,44°	51	
							Pos 146,25°	52	
							Pos 149,06°	53	
							Pos 151,88°	54	
							Pos 154,69°	55	
							Pos 157,50°	56	
							Pos 160,31°	57	
							Pos 163,13°	58	
							Pos 165,94°	59	
							Pos 168,75°	60	
							Pos 171,56°	61	
							Pos 174,38°	62	
							Pos 177,19°	63	
							Pos 180,00°	64	
							Pos 182,81°	65	
							Pos 185,63°	66	
							Pos 188,44°	67	
							Pos 191,25°	68	
							Pos 194,06°	69	
							Pos 196,88°	70	
							Pos 199,69°	71	
							Pos 202,50°	72	
							Pos 205,31°	73	
							Pos 208,13°	74	
							Pos 210,94°	75	
							Pos 213,75°	76	
							Pos 216,56°	77	
							Pos 219,38°	78	
							Pos 222,19°	79	
							Pos 225,00°	80	
							Pos 227,81°	81	
							Pos 230,63°	82	
							Pos 233,44°	83	
							Pos 236,25°	84	
							Pos 239,06°	85	
							Pos 241,88°	86	
							Pos 244,69°	87	
							Pos 247,50°	88	
							Pos 250,31°	89	
							Pos 253,13°	90	
							Pos 255,94°	91	
							Pos 258,75°	92	
							Pos 261,56°	93	
							Pos 264,38°	94	

Uno Gobo	Duo Gobo	Basic Gobo	Std Gobo	Ext Gobo	Direct 8 Bit Gobo	Direct 16 Bit Gobo	Function	DMX Value	Default
							<b>GOBO ROTATION</b>		
							Pos 267,19°	95	
							Pos 270,00°	96	
							Pos 272,81°	97	
							Pos 275,63°	98	
							Pos 278,44°	99	
							Pos 281,25°	100	
							Pos 284,06°	101	
							Pos 286,88°	102	
							Pos 289,69°	103	
							Pos 292,50°	104	
							Pos 295,31°	105	
							Pos 298,13°	106	
							Pos 300,94°	107	
							Pos 303,75°	108	
							Pos 306,56°	109	
							Pos 309,38°	110	
							Pos 312,19°	111	
							Pos 315,00°	112	
							Pos 317,81°	113	
							Pos 320,63°	114	
							Pos 323,44°	115	
							Pos 326,25°	116	
							Pos 329,06°	117	
							Pos 331,88°	118	
							Pos 334,69°	119	
							Pos 337,50°	120	
							Pos 340,31°	121	
							Pos 343,13°	122	
							Pos 345,94°	123	
							Pos 348,75°	124	
							Pos 351,56°	125	
							Pos 354,38°	126	
							Pos 357,19°	127	
							CW Spin 40,00 rpm	128	
							CW Spin 38,80 rpm	129	
							CW Spin 37,62 rpm	130	
							CW Spin 36,46 rpm	131	
							CW Spin 35,32 rpm	132	
							CW Spin 34,20 rpm	133	
							CW Spin 33,09 rpm	134	
							CW Spin 32,00 rpm	135	
							CW Spin 30,93 rpm	136	
							CW Spin 29,88 rpm	137	
							CW Spin 28,85 rpm	138	
							CW Spin 27,83 rpm	139	
							CW Spin 26,83 rpm	140	
							CW Spin 25,85 rpm	141	
							CW Spin 24,89 rpm	142	
							CW Spin 23,95 rpm	143	
							CW Spin 23,03 rpm	144	
							CW Spin 22,12 rpm	145	
							CW Spin 21,23 rpm	146	
							CW Spin 20,36 rpm	147	
							CW Spin 19,51 rpm	148	
							CW Spin 18,68 rpm	149	
							CW Spin 17,86 rpm	150	
							CW Spin 17,06 rpm	151	
							CW Spin 16,29 rpm	152	
							CW Spin 15,52 rpm	153	
							CW Spin 14,78 rpm	154	
							CW Spin 14,06 rpm	155	
							CW Spin 13,35 rpm	156	
							CW Spin 12,66 rpm	157	
							CW Spin 11,99 rpm	158	
							CW Spin 11,34 rpm	159	
							CW Spin 10,71 rpm	160	
							CW Spin 10,09 rpm	161	
							CW Spin 9,50 rpm	162	
							CW Spin 8,92 rpm	163	
							CW Spin 8,36 rpm	164	
							CW Spin 7,82 rpm	165	
							CW Spin 7,29 rpm	166	
							CW Spin 6,79 rpm	167	
							CW Spin 6,30 rpm	168	
							CW Spin 5,83 rpm	169	
							CW Spin 5,38 rpm	170	
							CW Spin 4,94 rpm	171	
							CW Spin 4,53 rpm	172	
							CW Spin 4,13 rpm	173	
							CW Spin 3,75 rpm	174	
							CW Spin 3,39 rpm	175	
							CW Spin 3,05 rpm	176	
							CW Spin 2,73 rpm	177	
							CW Spin 2,42 rpm	178	
							CW Spin 2,13 rpm	179	
							CW Spin 1,86 rpm	180	
							CW Spin 1,61 rpm	181	
							CW Spin 1,38 rpm	182	
							CW Spin 1,16 rpm	183	
							CW Spin 0,97 rpm	184	
							CW Spin 0,79 rpm	185	
							CW Spin 0,63 rpm	186	
							CW Spin 0,49 rpm	187	
							CW Spin 0,36 rpm	188	
							CW Spin 0,26 rpm	189	
							CW Spin 0,17 rpm	190	
							CW Spin 0,10 rpm	191	
							Stop	191	
2	3	4	6	11	7	9			000

Uno Gobo	Duo Gobo	Basic Gobo	Std Gobo	Ext Gobo	Direct 8 Bit Gobo	Direct 16 Bit Gobo	Function	DMX Value	Default
2	3	4	6	11	7	9	<b>GOBO ROTATION</b>		
							Stop	192	
							CCW Spin 0,10 rpm	193	
							CCW Spin 0,17 rpm	194	
							CCW Spin 0,26 rpm	195	
							CCW Spin 0,36 rpm	196	
							CCW Spin 0,49 rpm	197	
							CCW Spin 0,63 rpm	198	
							CCW Spin 0,79 rpm	199	
							CCW Spin 0,97 rpm	200	
							CCW Spin 1,16 rpm	201	
							CCW Spin 1,38 rpm	202	
							CCW Spin 1,61 rpm	203	
							CCW Spin 1,86 rpm	204	
							CCW Spin 2,13 rpm	205	
							CCW Spin 2,42 rpm	206	
							CCW Spin 2,73 rpm	207	
							CCW Spin 3,05 rpm	208	
							CCW Spin 3,39 rpm	209	
							CCW Spin 3,75 rpm	210	
							CCW Spin 4,13 rpm	211	
							CCW Spin 4,53 rpm	212	
							CCW Spin 4,95 rpm	213	
							CCW Spin 5,38 rpm	214	
							CCW Spin 5,83 rpm	215	
							CCW Spin 6,30 rpm	216	
							CCW Spin 6,79 rpm	217	
							CCW Spin 7,29 rpm	218	
							CCW Spin 7,82 rpm	219	
							CCW Spin 8,36 rpm	220	
							CCW Spin 8,92 rpm	221	
							CCW Spin 9,50 rpm	222	
							CCW Spin 10,10 rpm	223	
							CCW Spin 10,71 rpm	224	000
							CCW Spin 11,35 rpm	225	
							CCW Spin 12,00 rpm	226	
							CCW Spin 12,67 rpm	227	
							CCW Spin 13,35 rpm	228	
							CCW Spin 14,06 rpm	229	
							CCW Spin 14,79 rpm	230	
							CCW Spin 15,53 rpm	231	
							CCW Spin 16,29 rpm	232	
							CCW Spin 17,07 rpm	233	
							CCW Spin 17,86 rpm	234	
							CCW Spin 18,68 rpm	235	
							CCW Spin 19,51 rpm	236	
							CCW Spin 20,37 rpm	237	
							CCW Spin 21,24 rpm	238	
CCW Spin 22,12 rpm	239								
CCW Spin 23,03 rpm	240								
CCW Spin 23,95 rpm	241								
CCW Spin 24,90 rpm	242								
CCW Spin 25,86 rpm	243								
CCW Spin 26,84 rpm	244								
CCW Spin 27,83 rpm	245								
CCW Spin 28,85 rpm	246								
CCW Spin 29,88 rpm	247								
CCW Spin 30,93 rpm	248								
CCW Spin 32,00 rpm	249								
CCW Spin 33,09 rpm	250								
CCW Spin 34,20 rpm	251								
CCW Spin 35,32 rpm	252								
CCW Spin 36,47 rpm	253								
CCW Spin 37,63 rpm	254								
CCW Spin 38,81 rpm	255								
CCW Spin 40,00 rpm	255								
3	4	5	7	12	8	10	<b>GOBO ROTATION FINE</b>		
							All 16bit DMX values are possible, the list above only shows intermedium value.	000 ÷ 255	000