

DMX CONTROL

BAS-8	BAS-16	STD	EXT	FUNCTION	DMX Value
28 Ch	30 Ch	37 Ch	38 Ch		
1	1	1	1	PAN 0~100%	000 - 255
	2	2	2	PAN FINE 0~100%	000 - 255
2	3	3	3	TILT 0~100%	000 - 255
	4	4	4	TILT FINE 0~100%	000 - 255
3	5	5	5	P/T SPEED Fastest to slowest	000 - 255
			6	P/T FUNCTION Normal Movement with Blackout TBD (not used)	000 - 015 016 - 031 032 - 255
		6	7	SHUTTER FUNCTION Normal Shutter Functions Pulse-effect Forward Pulse-effect Reverse Random strobe TBD (not used)	000 - 015 016 - 031 032 - 047 048 - 063 064 - 255
		7	8	SHUTTER Normal Shutter Functions Close Strobe Rate (slow to fast) Open Pulse-effect Forward Close Strobe Rate (slow to fast) Open Pulse-effect Reverse Close Strobe Rate (slow to fast) Open Random Strobe Close Strobe Rate (slow to fast) Open	000 - 031 032 - 223 224 - 255 000 - 031 032 - 223 224 - 255 000 - 031 032 - 223 224 - 255 000 - 031 032 - 223 224 - 255
4	6			SHUTTER Shutter closed No function (shutter open) Strobe effect slow to fast	000 - 031 032 - 063 064 - 095

BAS-8	BAS-16	STD	EXT	FUNCTION	DMX Value
28 Ch	30 Ch	37 Ch	38 Ch		
4	6			No function (shutter open) Pulse-effect in sequences No function (shutter open) Random strobe effect slow to fast No function (shutter open)	096 - 127 128 - 159 160 - 191 192 - 223 224 - 255
5	7	8	9	DIMMER Dimmer (0% to 100%)	000 - 255
		9	10	COLOR FUNCTION Indexed Indexed with Blackout Forward Spin Reverse Spin Continuous Color Bounce (from slow to fast) TBD (not used)	000 - 015 016 - 031 032 - 047 048 - 063 064 - 079 080 - 111 112 - 255
		10	11	COLOR Indexed - Indexed w. Blackout - Bounce 1 - Open 2 - Open / Dark Red 3 - Dark Red 4 - Dark Red / Pink 5 - Pink 6 - Pink / Amber 7 - Amber 8 - Amber / Light Green 9 - Light Green 10 - Light Green / Dark Blue 11 - Dark Blue 12 - Dark Blue / Aquamarine 13 - Aquamarine 14 - Aquamarine / Congo Blue 15 - Congo Blue 16 - Congo Blue / Open Forward Spin Stop to fastest Reverse Spin Stop to fastest Continuous Positioning from 0 -360 degrees	000 - 015 016 - 031 032 - 047 048 - 063 064 - 079 080 - 095 096 - 111 112 - 127 126 - 143 144 - 159 160 - 175 176 - 191 192 - 207 208 - 223 224 - 239 240 - 255 000 - 255 000 - 255 000 - 255

BAS-8	BAS-16	STD	EXT	FUNCTION	DMX Value
28 Ch	30 Ch	37 Ch	38 Ch		
6	8			COLOR	
				Indexed	
				1 - Open	000 - 001
				2 - Open / Dark Red	002 - 003
				3 - Dark Red	004 - 005
				4 - Dark Red / Pink	006 - 007
				5 - Pink	008 - 009
				6 - Pink / Amber	010 - 011
				7 - Amber	012 - 013
				8 - Amber / Light Green	014 - 015
				9 - Light Green	016 - 017
				10 - Light Green / Dark Blue	018 - 019
				11 - Dark Blue	020 - 021
				12 - Dark Blue / Aquamarine	022 - 023
				13 - Aquamarine	024 - 025
				14 - Aquamarine / Congo Blue	026 - 027
				15 - Congo Blue	028 - 029
				16 - Congo Blue / Open	030 - 031
				Indexed with Blackout	
				1 - Open	032 - 033
				2 - Open / Dark Red	034 - 035
				3 - Dark Red	036 - 037
				4 - Dark Red / Pink	038 - 039
				5 - Pink	040 - 041
				6 - Pink / Amber	041 - 043
				7 - Amber	044 - 045
				8 - Amber / Light Green	046 - 047
				9 - Light Green	048 - 049
				10 - Light Green / Dark Blue	050 - 051
				11 - Dark Blue	052 - 053
				12 - Dark Blue / Aquamarine	054 - 055
				13 - Aquamarine	056 - 057
				14 - Aquamarine / Congo Blue	058 - 059
				15 - Congo Blue	060 - 061
				16 - Congo Blue / Open	062 - 063
				Indexed with Bounce	
				1 - Open	064 - 073
				2 - Open/ Dark Red	074 - 083
				3 - Dark Red	084 - 093
				4 - Dark Red / Pink	094 - 103
				5 - Pink	104 - 113
				6 - Pink / Amber	114 - 123
				7 - Amber	124 - 133
				8 - Amber / Light Green	134 - 143
				9 - Light Green	144 - 153

BAS-8	BAS-16	STD	EXT	FUNCTION	DMX Value
28 Ch	30 Ch	37 Ch	38 Ch		
6	8			10 - Light Green / Dark Blue 11 - Dark Blue 12 - Dark Blue / Aquamarine 13 - Aquamarine 14 - Aquamarine / Congo Blue 15 - Congo Blue 16 - Congo Blue / Open Forward Wheel Spin Stop to fastest Reverse Wheel Spin Stop to fastest	154 - 163 164 - 173 174 - 183 184 - 193 194 - 203 204 - 213 214 - 223 224 - 239 240 - 255
7	9	11	12	CYAN 0~100%	000 - 255
8	10	12	13	MAGENTA 0~100%	000 - 255
9	11	13	14	YELLOW 0~100%	000 - 255
10	12	14	15	CTO 0~100%	000 - 255
		15	16	ROTATING GOBO FUNCTION Indexed Indexed with Blackout Forward Spin Reverse Spin Continuous Shake TBD (not used)	000 - 015 016 - 031 032 - 047 048 - 063 064 - 079 080 - 095 096 - 255
		16	17	ROTATING GOBO Indexed - Indexed w. Blackout Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Forward - Reverse Wheel Spin Stop to fastest Continuous Positioning from 0-360 degrees Shake (from slow to fast for each gobo)	000 - 035 036 - 071 072 - 107 108 - 143 144 - 179 180 - 215 216 - 255 000 - 255 000 - 255 As above

BAS-8	BAS-16	STD	EXT	FUNCTION	DMX Value
28 Ch	30 Ch	37 Ch	38 Ch		
		16	17	Continuous Positioning from 0-360 degrees	000 - 255
11	13			ROTATING GOBO	
				Indexed	
				Open	000 - 006
				Gobo 1	007 - 013
				Gobo 2	014 - 020
				Gobo 3	021 - 027
				Gobo 4	028 - 034
				Gobo 5	035 - 041
				Gobo 6	042 - 048
				Indexed with Blackout	
				Open	049 - 055
				Gobo 1	056 - 062
				Gobo 2	063 - 069
				Gobo 3	070 - 076
				Gobo 4	077 - 083
				Gobo 5	084 - 090
				Gobo 6	091 - 097
				Indexed with Shake	
				Gobo 1 (from slow to fast)	098 - 118
				Gobo 2 (from slow to fast)	119 - 139
				Gobo 3 (from slow to fast)	140 - 160
				Gobo 4 (from slow to fast)	161 - 181
				Gobo 5 (from slow to fast)	182 - 202
				Gobo 6 (from slow to fast)	203 - 223
				Forward Wheel Spin	
				Stop to fastest	224 - 239
				Reverse Wheel Spin	
				Stop to fastest	240 - 255
		17	18	GOBO ROTATION FUNCTION	
				Continuous	000 - 015
				Forward Spin	016 - 031
				Reverse Spin	032 - 047
				Forward Animate Rotate	048 - 063
				Forward Animate Rotate with Blackout	064 - 079
				Reverse Animate Rotate	080 - 095
				Reverse Animate Rotate with Blackout	096 - 111
				TBD (not used)	112 - 255

BAS-8	BAS-16	STD	EXT	FUNCTION	DMX Value
28 Ch	30 Ch	37 Ch	38 Ch		
		18	19	GOBO ROTATION Continuous Positioning from 0-360 degrees Forward & Reverse Spin Stop to fastest Forward & Reverse Animate Rotate Stop to fastest	000 - 255 000 - 255 000 - 255
12	14			GOBO ROTATION Continuous Positioning from 0-360 degrees Forward Animate Rotate Stop to fastest Reverse Animate Rotate Stop to fastest Forward Spin Stop to fastest Reverse Spin Stop to fastest	000 - 191 192 - 207 208 - 223 224 - 239 240 - 255
		19	20	GOBO FUNCTION Indexed Indexed with Blackout Forward Spin Reverse Spin Continuous Shake TBD (not used)	000 - 015 016 - 031 032 - 047 048 - 063 064 - 079 080 - 095 096 - 255
		20	21	FIXED GOBO Indexed - Indexed w. Blackout Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Forward - Reverse Wheel Spin Stop to fastest Continuous Positioning from 0-360 degrees Shake (from slow to fast for each gobo)	000 - 031 032 - 063 064 - 095 096 - 127 128 - 159 160 - 191 192 - 223 224 - 255 000 - 255 000 - 255 As above

BAS-8	BAS-16	STD	EXT	FUNCTION	DMX Value
28 Ch	30 Ch	37 Ch	38 Ch		
13	15			FIXED GOBO	
				Indexed	
				Open	000 - 006
				Gobo 1	007 - 013
				Gobo 2	014 - 020
				Gobo 3	021 - 027
				Gobo 4	028 - 034
				Gobo 5	035 - 041
				Gobo 6	042 - 048
				Gobo 7	049 - 055
				Indexed with Blackout	
				Open	056 - 062
				Gobo 1	063 - 069
				Gobo 2	070 - 076
				Gobo 3	077 - 083
				Gobo 4	084 - 090
				Gobo 5	091 - 097
				Gobo 6	098 - 104
				Gobo 7	105 - 111
				Indexed with Shake	
				Gobo 1	112 - 127
				Gobo 2	128 - 143
				Gobo 3	144 - 159
				Gobo 4	160 - 175
				Gobo 5	176 - 191
				Gobo 6	192 - 207
				Gobo 7	208 - 223
				Forward Wheel Spin	
				Stop to fastest	224 - 239
				Reverse Wheel Spin	
				Stop to fastest	240 - 255
14	16	21	22	PRISM	
				Open	000 - 003
				Forward Spin	
				Slow to fast	004 - 127
				Stop	
15	17	22	23	Prism stop	128 - 131
				Reverse Spin	
				Slow to fast	132 - 255
		23	24	FROST	
				Frost 0%~100%	000 - 255
				FOCUS FUNCTION	
				Continuous	000 - 015
				5m Auto Focus	016 - 031
				7,5m Auto Focus	032 - 047
				10m Auto Focus	048 - 063

BAS-8	BAS-16	STD	EXT	FUNCTION	DMX Value
28 Ch	30 Ch	37 Ch	38 Ch		
		23	24	15m Auto Focus >20m Auto Focus TBD (not used)	064 - 095 096 - 127 128 - 255
16	18	24	25	FOCUS Continuous Focus IN to Focus OUT Auto Focus Focus adjustment	000 - 255 000 - 255
17	19	25	26	ZOOM Small to big	000 - 255
		26	27	IRIS FUNCTIONS Indexed Pulse opening With Forward Blackout Pulse opening With Reverse Blackout Pulse closing With Forward Blackout Pulse closing With Reverse Blackout TBD (not used)	000 - 015 016 - 031 032 - 047 048 - 063 064 - 079 080 - 255
		27	28	IRIS Indexed Max. diameter to Min. diameter Pulse opening with Reverse Blackout Pulse Slow to Fast	000 - 255 000 - 255
18	20			IRIS Indexed Pulse opening With Forward Blackout Pulse opening With Reverse Blackout Pulse closing With Forward Blackout Pulse closing With Reverse Blackout	000 - 191 192 - 207 208 - 223 224 - 239 240 - 255
19	21	28	29	BLADE 1A 0~100%	0 00 - 255
20	22	29	30	BLADE 1B 0~100%	0 00 - 255
21	23	30	31	BLADE 2A 0~100%	0 00 - 255
22	24	31	32	BLADE 2B 0~100%	0 00 - 255
23	25	32	33	BLADE 3A 0~100%	0 00 - 255
24	26	33	34	BLADE 3B 0~100%	0 00 - 255

BAS-8	BAS-16	STD	EXT	FUNCTION	DMX Value
28 Ch	30 Ch	37 Ch	38 Ch		
25	27	34	35	BLADE 4A 0~100%	0 00 - 255
26	28	35	36	BLADE 4B 0~100%	0 00 - 255
27	29	36	37	BLADE ROTATION 0~100% ($\pm 45^\circ$)	0 00 - 255
28	30	37	38	CONTROL	
				Normal	000 - 007
				Reset All	008 - 015
				Pan&Tilt Reset	016 - 023
				Color Reset	024 - 031
				Gobo Reset	032 - 039
				TBD (not used)	040 - 047
				Other Reset	048 - 055
				Display Off	056 - 063
				Display On	064 - 071
				TBD (not used)	072 - 079
				TBD (not used)	080 - 087
				Hibernation	088 - 095
				TBD (not used)	096 - 255

CHANNEL FUNCTION

BASIC 8bit	BASIC 16 bit	STANDARS	EXTENDED	FUNCTION
28 Ch	30 Ch	37 Ch	38 Ch	
1	1	1	1	PAN
	2	2	2	PAN FINE
2	3	3	3	TILT
	4	4	4	TILT FINE
3	5	5	5	P/T SPEED
			6	P/T FUNCTION
		6	7	SHUTTER FUNCTION
		7	8	SHUTTER
4	6			SHUTTER
5	7	8	9	DIMMER
		9	10	COLOR FUNCTION
		10	11	COLOR
6	8			COLOR
7	9	11	12	CYAN
8	10	12	13	MAGENTA
9	11	13	14	YELLOW
10	12	14	15	CTO
		15	16	ROTATING GOBO FUNCTION
		16	17	ROTATING GOBO
11	13			ROTATING GOBO
		17	18	GOBO ROTATION FUNCTION
		18	19	GOBO ROTATION
12	14			GOBO ROTATION
		19	20	GOBO FUNCTION
		20	21	FIXED GOBO
13	15			FIXED GOBO
14	16	21	22	PRISM
15	17	22	23	FROST
		23	24	FOCUS FUNCTION
16	18	24	25	FOCUS
17	19	25	26	ZOOM
		26	27	IRIS FUNCTIONS
		27	28	IRIS
18	20			IRIS
19 - 20	21 - 22	28 - 29	29 - 30	BLADE 1A - 1B
21 - 22	23 - 24	30 - 31	31 - 32	BLADE 2A - 2B
23 - 24	25 - 26	32 - 33	33 - 34	BLADE 3A - 3B
25 - 26	27 - 28	34 - 35	35 - 36	BLADE 4A - 4B
27	29	36	37	BLADE ROTATION
28	30	37	38	CONTROL