

x.Spot® Xtreme DMX Protocol

Chan #	Parameter	Description	Value (dec.)	Value (%)	Value (hex)
BASIC FIXTURE FUNCTIONS					
1	Pan Coarse	Coarse-adjusts pan to approximately 2 degrees of desired position	0-255	0-100	00-FF
2	Pan Fine	Fine-adjusts pan position in increments less than 1 degree	0-255	0-100	00-FF
3	Tilt Coarse	Coarse-adjusts tilt to approximately 2 degrees of desired position	0-255	0-100	00-FF
4	Tilt Fine	Fine-adjusts tilt position in increments less than 1 degree	0-255	0-100	00-FF
5	Lamp Function	Normal Shutter Functions	0-31	0-12	00-1F
		Lamp Assisted Strobes <i>boosts the Lamp above 700 Watts for periodic and random strobes set in Shutter channel 6.</i>	32-63	13-25	20-3F
		Lamp Effects <i>boosts the lamp above 700 watts for Boost to White, Boost to Black, or Lightning effects set in Shutter channel 6.</i>	64-95	35-37	40-5F
		Dual Dimming <i>adds electronic dimming to the mechanical dimming set in the Dim channel 7. (0%~100%)</i>	96-127	38-50	60-7F
		Electronic Dimming Only <i>Lamp output varies from a minimum~700W; does not go to black</i>	128-159	50-62	80-9F
		Reserved	160-191	63-75	A0-BF
		Reserved	192-223	75-88	C0-DF
6	Shutter, Normal Function <i>Lamp Function channel set from 0-31</i>	Normal Shutter Functions	224-255	88-100	E0-FF
		Close	0-23	0-9	00-17
		Periodic Strobe (variable)	24-49	9-19	18-31
		Random/Random Strobe (variable)	50-75	20-29	32-4B
		Random/Synchronous Strobe (variable)	76-101	30-40	4C-65
		Ramp Open/Snap Shut (variable)	102-127	40-50	66-7F
		Snap Open/Ramp Shut (variable)	128-153	50-60	80-99
		Ramp Open/Ramp Shut (variable)	154-179	60-70	9A-B3
		Random Ramp/Snap (variable)	180-205	71-80	B4-CD
		Random Snap/Ramp (variable)	206-231	81-91	CE-E7
Open	232-255	91-100	E8-FF		

Chan #	Parameter	Description	Value (dec.)	Value (%)	Value (hex)
6	Shutter, Lamp Assisted Strobes <i>Lamp Function channel set from 32ñ63</i>	Close	0-23	0-9	00-17
		Periodic Strobe (variable, Lamp assisted)	24-49	9-19	18-31
		Random/Rand Strobe (variable, Lamp assisted)	50-75	20-29	32-4B
		Random/Sync (variable, Lamp assisted)	76-101	30-40	4C-65
		Ramp Open/Snap Shut (variable)	102-127	40-50	66-7F
		Snap Open/Ramp Shut (variable)	128-153	50-60	80-9A
		Ramp Open/Ramp Shut (variable)	154-179	60-70	9A-B3
		Random Ramp/Snap (variable)	180-205	71-80	B4-CD
		Random Snap/Ramp (variable)	206-231	81-91	CE-E7
		Open	232-255	91-100	E8-FF
	Shutter, Lamp Effect <i>Lamp Function channel set from 64ñ95</i>	Close	0-23	0-9	00-17
		Periodic lamp strobes	24-49	9-19	18-31
		Random random lamp strobes	50-75	20-29	32-4B
		Synchronous random lamp strobes	76-101	30-40	4C-65
		Boost lamp 1.0 second, black	102-105	40-41	66-69
		Boost lamp 0.75 second, black	106-109	42-43	6A-6D
		Boost lamp 0.66 second, black	110-113	43-44	6E-71
		Boost lamp 0.5 second, black	114-117	45-46	72-75
		Boost lamp 0.33 second, black	118-121	46-47	76-79
		Boost lamp 0.25 second, black	122-127	48-50	7A-7F
		Boost lamp 1.0 second, white	128-131	50-51	80-83
		Boost lamp 0.75 second, white	132-135	52-53	84-87
		Boost lamp 0.66 second, white	136-139	53-55	88-8B
		Boost lamp 0.50 second, white	140-143	55-56	8C-8F
		Boost lamp 0.33 second, white	144-147	56-58	90-93
		Boost lamp 0.25 second, white	148-153	58-60	94-99
		Lightning strike 1	154-157	60-62	9A-9D
		Lightning strike 2	158-161	62-63	9E-A1
		Lightning strike 3	162-165	64-65	A2-A5
		Lightning strike 4	166-169	65-66	A6-A9
		Lightning strike 5	170-173	67-68	AA-AD
		Lightning strike 6	174-179	68-70	AE-B3
Reserved. Default Black.	180-231	71-91	B4-E7		
Open	232-255	91-100	E8-FF		

Chan #	Parameter	Description	Value (dec.)	Value (%)	Value (hex)
6	Shutter, Electronic Dimming: <i>Lamp Function channel set from 128-159</i>	Close	0-23	0-9	00-17
		Periodic Strobe (variable)	24-49	9-19	18-31
		Random/Rand Strobe (variable)	50-75	20-29	32-4B
		Random/Sync (variable)	76-101	30-40	4C-65
		Ramp Open/Snap Shut (variable)	102-127	40-50	66-7F
		Snap Open/Ramp Shut (variable)	128-153	50-60	80-99
		Ramp Open/Ramp Shut (variable)	154-179	60-70	9A-B3
		Random Ramp/Snap (variable)	180-205	71-80	B4-CD
		Random Snap/Ramp (variable)	206-231	81-91	CE-E7
		Open	232-255	91-100	E8-FF
7	Dim	Mechanical dimming only, from closed to open	0-255	0-100	00-FF
		Mechanical + electronic dimming from closed to open <i>Lamp Control channel 5 set from 96 to 127</i>	0-255	0-100	00-FF
8	Frost	Open (No Frost)	0	0	00
		Variable Frost (open to closed)	1-127	1-49	01-7F
		Full Frost	128-135	50-53	80-87
		Periodic Frost Strobe (slow to fast)	136-151	53-59	88-97
		Random Frost Strobe (slow to fast)	152-167	60-66	98-A7
		Ramp Open/Snap Shut	168-183	66-72	A8-B7
		Snap Open/Ramp Shut	184-199	72-78	B8-C7
		Ramp Open/Ramp Shut	200-215	78-84	C8-D7
		Random Ramp/Snap	216-231	85-91	D8-E7
		Random Snap/Ramp	232-247	91-97	E8-F7
		Open (No Frost)	248-255	97-100	F8-FF
9	Focus Function	ZoomTrack	0-31	0-12	00-1F
		Manual Focus	32-63	13-24	20-3F
		Reserved	64-95	25-37	40-5F
		Reserved	96-127	38-49	60-7F
		Reserved	128-159	50-62	80-9F
		Reserved	160-191	63-74	A0-BF
		Reserved	192-223	75-87	C0-DF
		Reserved	224-255	88-100	E0-FF
10	Focus	Auto or Manual Focus In	0	0	00
		Auto or Manual Focus Out	255	100	FF
11	Zoom	Zoom in	0	0	00
		Zoom out	255	100	FF
12	MSpeed	(see iMSpeed Conversion Table in Appendix B)			

Chan #	Parameter	Description	Value (dec.)	Value (%)	Value (hex)
13	Macro <i>(MacroSpeed controlled via Mspeed)</i>	Macro Off	0-5	0-2	00-05
		Pan sweep from small to large angle	6-62	2-24	06-3E
		Macro Off	63-65	25-26	3F-41
		Tilt sweep from small to large angle	66-122	26-48	42-7A
		Macro Off	123-125	48-49	7B-7D
		Clockwise circle from small to large	126-160	49-63	7E-A0
		Macro Off	161-163	63-64	A1-A3
		Counterclockwise circle from small to large	164-198	64-78	A4-C6
	Reserved	199-255	78-100	C7-FF	
14	Control <i>(Set Shutter Channel to i0i to access Control channel settings except for Pan/Tilt)</i>	Safe	0-9	0-4	00-09
		Pan and Tilt Mspeed Off	10-19	4-8	0A-13
		Display Off	20-28	8-11	14-1C
		Display Dim	30-38	12-15	1E-26
		Display Bright	40-48	16-19	28-30
		Home All	60-68	24-27	3C-44
		Lamp On	80-88	31-35	50-58
		Lamp Off	90-98	35-38	5A-62
		Shutdown	120-130	47-51	78-82
		Reserved	131-149	51-58	83-95
		Home Pan/Tilt	160-168	63-66	A0-A8
		Home Color System	170-178	67-70	AA-B2
		Home Gobo System	180-188	70-74	B4-BC
		Home Strobe/Dim	190-198	75-78	78-C6
		Home Focus/Zoom/Frost	200-208	78-82	C8-D0
Home Iris	210-218	82-86	D2-DA		

Chan #	Parameter	Description	Value (dec.)	Value (%)	Value (hex)
SLOT 1: SIX-WHEEL COLOR MIXING MODULE					
15	Static Color Function	Full Speed Control			
		Indexed	0 - 15	0-6	0-0F
		Forward Spin	16-31	6-12	10-1F
		Reverse Spin	32-47	13-18	20-2F
		Continuous	48-63	19-25	30-3F
		Slow Scan	64-79	25-31	40-4F
		Fast Scan	80-95	31-37	50-5F
		Random	96-111	38-44	60-6F
		Blink-Indexed	112-127	44-50	70-7F
		MSpeed Control			
		Indexed	128-143	50-56	80-8F
		Forward Spin	144-159	57-62	90-9F
		Reverse Spin	160-175	63-69	A0-AF
		Continuous	176-191	69-75	B0-BF
		Slow Scan	192-207	75-81	C0-CF
		Fast Scan	208-223	82-88	D0-DF
		Random	224-239	88-94	E0-EF
		Blink	240-255	94-100	F0-FF
16	Static Color Position	Indexed, Scan, and Blink Modes			
		Color Position 1 Open (White)	0-23	0-9	0-17
		Position 1 2	24-42	2-17	18-2A
		Position 2	43-61	17-24	2B-3D
		Position 2 3	62-80	24-31	3E-50
		Position 3	81-99	32-38	51-62
		Position 3 4	100-118	39-46	63-76
		Position 4	119-137	47-54	77-89
		Position 4 5	138-156	54-61	8A-9C
		Position 5	157-175	62-69	9D-AF
		Position 5 6	176-194	69-76	B0-C2
		Position 6	195-213	77-84	C3-D5
		Position 6 1	214-232	84-91	D6-E8
		Position 1 Open (White)	233-255	91-100	E9-FF
		Spin Mode			
		Spin Stop	0	0	0
		Forward Spin Slowest to Fastest	4-255	2-100	.04-FF
		Reverse Spin Slowest to Fastest	4-255	2-100	.04-FF
		Random Mode			
		Random Stop	0	2-100	.04-FF
		Random Slowest to Fastest	4-255	2-100	.04-FF
		Continuous Mode			
		Positioning from 0-360 degrees	0-255	0-100	0-FF

Chan #	Parameter	Description	Value (dec.)	Value (%)	Value (hex)
17	Mix Color Function	Full Speed Control			
		Pure Mix	0-15	0-6	0-0F
		Continuous	16-31	6-12	10-1F
		Reserved	32-47	13-18	20-2F
		Spin (Wheel Spin speed, direction, or fixed position set individually on CYM channels.)	48-63	19-25	30-3F
		Cycle (Rate set by Cyan channel)	64-79	25-31	40-4F
		Reserved	80-95	31-37	50-5F
		Random (Rate set by Cyan channel.)	96-111	38-44	60-6F
		Blink (Defined using Continuous wheel operation)	112-127	44-50	70-7F
		MSpeed Control			
		Pure Mix	128-143	50-56	80-8F
		Continuous	144-159	57-62	90-9F
		Reserved	160-175	63-69	A0-AF
		Spin (Wheel Spin speed, direction, or fixed position set individually on CYM channels.)	176-191	69-75	B0-BF
		Cycle (Rate set by Cyan channel)	192-207	75-81	C0-CF
		Reserved	208-223	82-88	D0-DF
		Random (Rate set by Cyan channel.)	224-239	88-94	E0-EF
		Blink	240-255	94-100	F0-FF
18	Cyan	Pure Mix Mode			
		Full Cyan	0	0	00
		Open	255	100	FF
		Continuous and Blink Modes			
		Full Cyan	0	0	0
		Open	127	50	7F
		Full Cyan	128	50	80
		Open	255	100	FF
		Spin Mode			
		Continuous Positioning	0-127	0-50	00-7F
		Reverse Spin fastest	128-157	50-62	80-9D
		Reverse Spin slowest	158-187	62-73	9E-BB
		Spin Stop	188-195	74-77	BC-C3
		Forward Spin slowest	196-225	77-88	C4-E1
		Forward Spin fastest	226-255	89-100	E2-FF
		Cycle and Random Modes			
		Slow Rate	0	0	00
		Fast Rate	255	100	FF

Chan #	Parameter	Description	Value (dec.)	Value (%)	Value (hex)
19	Magenta	Pure Mix Mode			
		Full Magenta	0	0	00
		Open	255	100	FF
		Continuous and Blink Modes			
		Full Magenta	0	0	0
		Open	127	50	7F
		Full Magenta	128	50	80
		Open	255	100	FF
		Spin Mode			
		Continuous Positioning	0-127	0-50	00-7F
		Reverse Spin fastest	128-157	50-62	80-9D
		Reverse Spin slowest	158-187	62-73	9E-BB
		Spin Stop	188-195	74-77	BC-C3
		Forward Spin slowest	196-225	77-88	C4-E1
		Forward Spin fastest	226-255	89-100	E2-FF
20	Yellow	Pure Mix Mode			
		Full Yellow	0	0	00
		Open	255	100	FF
		Continuous and Blink Modes			
		Full Yellow	0	0	0
		Open	127	50	7F
		Full Yellow	128	50	80
		Open	255	100	FF
		Spin Mode			
		Continuous Positioning	0-127	0-50	00-7F
		Reverse Spin fastest	128-157	50-62	80-9D
		Reverse Spin slowest	158-187	62-73	9E-BB
		Spin Stop	188-195	74-77	BC-C3
		Forward Spin slowest	196-225	77-88	C4-E1
		Forward Spin fastest	226-255	89-100	E2-FF
21	Color Temperature Orange	Always in Continuous Mode			
		Open	0	0	0
		Full CTO	170	67	AA
		Beam flatten	213	84	D5
		Open	255	100	FF
22	Color Temperature Blue	Always in Continuous Mode			
		Beam flatten	0	0	0
		Open	43	17	2B
		Full CTB	213	84	D5
		Beam flatten	255	100	FF

Chan #	Parameter	Description	Value (dec.)	Value (%)	Value (hex)
SLOT 2: DUAL ROTATING GOBOS MODULE					
23	Gobo1 Function	Full Speed Control			
		Indexed	0 - 15	0-6	0-0F
		Forward Wheel Spin	16-31	6-12	10-1F
		Reverse Wheel Spin	32-47	13-18	20-2F
		Scan	48-63	19-25	30-3F
		Random	64-79	25-31	40-4F
		Blink	80-95	31-37	50-5F
		TBC	96-111	38-44	60-6F
		Continuous	112-127	44-50	70-7F
		MSpeed Control			
		Indexed	128-143	50-56	80-8F
		Forward Wheel Spin	144-159	57-62	90-9F
		Reverse Wheel Spin	160-175	63-69	A0-AF
		Scan	176-191	69-75	B0-BF
		Random	192-207	75-81	C0-CF
		Blink	208-223	82-88	D0-DF
		TBC	224-239	88-94	E0-EF
Continuous	240-255	94-100	F0-FF		
24	Gobo 1 Position.	Indexed /Blink/Scan Modes			
		Position 1 (Open)	0-15	0-6	0-0F
		Position 2	16-47	6-18	10-2F
		Position 3	48-79	19-31	30-4F
		Position 4	80-111	31-44	50-6F
		Position 5	112-143	44-56	70-8F
		Position 6	144-175	57-69	90-AF
		Position 7	176-207	69-81	B0-CF
		Position 8	208-239	82-94	D0-EF
		Position 1 (Open)	240-255	94-100	F0-FF
		Spin Mode			
		Spin Stop	0-3	0-1	0-3
		Spin Forward Slowest to Fastest	4-255	2-100	4-FF
		Spin Reverse Slowest to Fastest	4-255	2-100	4-FF
		Random Mode			
		Random Stop	0-3	0-1	0-3
		Random Slowest to Fastest	4-255	2-100	4-FF
		Continuous Mode			
		Positioning from 1-360 degrees	0-255	100	FF

Chan #	Parameter	Description	Value (dec.)	Value (%)	Value (hex)
25	Gobo 1 Rotate Function	Full Speed Control			
		Indexed	0-15	0-6	0-0F
		Forward Rotate	16-31	6-12	10-1F
		Reverse Rotate	32-47	13-18	20-2F
		Scan	48-63	19-25	30-3F
		Blink	64-79	25-31	40-4F
		Reserved	80-95	31-37	50-5F
		Reserved	96-111	38-44	60-6F
		Reserved	112-127	44-50	70-7F
		MSpeed Control			
		Indexed	128-143	50-56	80-8F
		Forward Rotate	144-159	57-62	90-9F
		Reverse Rotate	160-175	63-69	A0-AF
		Scan	176-191	69-75	B0-BF
		Blink	192-207	75-81	C0-CF
		Reserved	208-223	82-88	D0-DF
		Reserved	224-239	88-94	E0-EF
		Reserved	240-255	94-100	F0-FF
26	Gobo 1 Rotate Coarse	Indexed /Scan/Blink Modes			
		Position 0-360 degrees	0-255	0-100	0-FF
		Rotate Mode			
		Rotate Stop	0-3	0-1	0-3
		Forward Rotate Slowest to Fastest	4-255	2-100	4-FF
		Reverse Rotate Slowest to Fastest	4-255	2-100	4-FF
		Scan Mode			
Scan Slowest to Fastest	0-255	0-100	0-FF		
27	Gobo 1 Rotate Fine	Indexed Mode			
		Low Order Byte 0-360 degrees	0-255	0-100	0-FF

Chan #	Parameter	Description	Value (dec.)	Value (%)	Value (hex)		
28	Effects Function	Full Speed Control					
		Indexed	0 - 15	0-6	0-0F		
		Forward Wheel Spin	16-31	6-12	10-1F		
		Reverse Wheel Spin	32-47	13-18	20-2F		
		Scan	48-63	19-25	30-3F		
		Random	64-79	25-31	40-4F		
		Blink	80-95	31-37	50-5F		
		TBC	96-111	38-44	60-6F		
		Continuous	112-127	44-50	70-7F		
		MSpeed Control					
		Indexed	128-143	50-56	80-8F		
		Forward Wheel Spin	144-159	57-62	90-9F		
		Reverse Wheel Spin	160-175	63-69	A0-AF		
		Scan	176-191	69-75	B0-BF		
		Random	192-207	75-81	C0-CF		
		Blink	208-223	82-88	D0-DF		
		TBC	224-239	88-94	E0-EF		
		Continuous	240-255	94-100	F0-FF		
		29	Effects Position	Indexed/Blink/Scan Modes			
				Position 1 (Open)	0-15	0-6	0-0F
Position 2	16-47			6-18	10-2F		
Position 3	48-79			19-31	30-4F		
Position 4	80-111			31-44	50-6F		
Position 5	112-143			44-56	70-8F		
Position 6	144-175			57-69	90-AF		
Position 7	176-207			69-81	B0-CF		
Position 8	208-239			82-94	D0-EF		
Position 1 (Open)	240-255			94-100	F0-FF		
Spin Mode							
Spin Stop	0-3			0-1	0-3		
Forward Spin Slowest to Fastest	4-255			2-100	4-FF		
Reverse Spin Slowest to Fastest	4-255			2-100	4-FF		
Random Mode							
Random Stop	0-3			0-1	0-3		
Random Slowest to Fastest	4-255			2-100	4-FF		
Continuous Mode							
Positioning from 1-360 degrees	0-255			100	FF		

Chan #	Parameter	Description	Value (dec.)	Value (%)	Value (hex)
30	Effects Rotate Function	Full Speed Control			
		Indexed	0-15	0-6	0-0F
		Forward Rotate	16-31	6-12	10-1F
		Reverse Rotate	32-47	13-18	20-2F
		Scan	48-63	19-25	30-3F
		Blink	64-79	25-31	40-4F
		Reserved	80-95	31-37	50-5F
		Reserved	96-111	38-44	60-6F
		Reserved	112-127	44-50	70-7F
		MSpeed Control			
		Indexed	128-143	50-56	80-8F
		Forward Rotate	144-159	57-62	90-9F
		Reverse Rotate	160-175	63-69	A0-AF
		Scan	176-191	69-75	B0-BF
		Blink	192-207	75-81	C0-CF
		Reserved	208-223	82-88	D0-DF
		Reserved	224-239	88-94	E0-EF
		Reserved	240-255	94-100	F0-FF
31	Effects Rotate Coarse	Indexed/Blink Modes			
		Position from 0-360 degrees	0-255	0-100	0-FF
		Continuously Variable Forward Rotate Mode			
		Rotate Stop	0-3	0-1	0-3
		Forward Rotate Slowest to Fastest	4-255	2-100	4-FF
		Reverse Rotate Slowest to Fastest	4-255	2-100	4-FF
		Scan Mode			
Scan Slowest to Fastest	0-255	0-100	0-FF		
32	Effects Rotate Fine	Indexed Mode			
		Low Order Byte position from 0-360 degrees	0-255	0-100	0-FF

Chan #	Parameter	Description	Value (dec.)	Value (%)	Value (hex)
SLOT 3: ROTATING GOBO 2 AND IRIS MODULE					
33	Gobo 2 Function	Full Speed Control			
		Indexed	0 - 15	0-6	0-0F
		Forward Wheel Spin	16-31	6-12	10-1F
		Reverse Wheel Spin	32-47	13-18	20-2F
		Scan	48-63	19-25	30-3F
		Random	64-79	25-31	40-4F
		Blink	80-95	31-37	50-5F
		TBC	96-111	38-44	60-6F
		Continuous	112-127	44-50	70-7F
		MSpeed Control			
		Indexed	128-143	50-56	80-8F
		Forward Wheel Spin	144-159	57-62	90-9F
		Reverse Wheel Spin	160-175	63-69	A0-AF
		Scan	176-191	69-75	B0-BF
		Random	192-207	75-81	C0-CF
		Blink	208-223	82-88	D0-DF
		TBC	224-239	88-94	E0-EF
		Continuous	240-255	94-100	F0-FF
34	Gobo 2 Position	Indexed/Scan/Blink Modes			
		Position 1 (Open)	0-15	0-6	0-0F
		Position 2	16-47	6-18	10-2F
		Position 3	48-79	19-31	30-4F
		Position 4	80-111	31-44	50-6F
		Position 5	112-143	44-56	70-8F
		Position 6	144-175	57-69	90-AF
		Position 7	176-207	69-81	B0-CF
		Position 8	208-239	82-94	D0-EF
		Position 1 (Open)	240-255	94-100	F0-FF
		Spin Mode			
		Spin Stop	0-3	0-1	0-3
		Forward Spin Slowest to Fastest	4-255	2-100	4-FF
		Reverse Spin Slowest to Fastest	4-255	2-100	4-FF
		Random Mode			
		Random Stop	0-3	0-1	0-3
		Random Slowest to Fastest	4-255	2-100	4-FF
		Continuous Mode			
		Positioning from 1-360 degrees	0-255	100	FF

Chan #	Parameter	Description	Value (dec.)	Value (%)	Value (hex)
35	Gobo 2 Rotate Function	Full Speed Control			
		Indexed	0-15	0-6	0-0F
		Forward Rotate	16-31	6-12	10-1F
		Reverse Rotate	32-47	13-18	20-2F
		Scan	48-63	19-25	30-3F
		Blink	64-79	25-31	40-4F
		Reserved	80-95	31-37	50-5F
		Reserved	96-111	38-44	60-6F
		Reserved	112-127	44-50	70-7F
		MSpeed Control			
		Indexed	128-143	50-56	80-8F
		Forward Rotate	144-159	57-62	90-9F
		Reverse Rotate	160-175	63-69	A0-AF
		Scan	176-191	69-75	B0-BF
		Blink	192-207	75-81	C0-CF
		Reserved	208-223	82-88	D0-DF
		Reserved	224-239	88-94	E0-EF
		Reserved	240-255	94-100	F0-FF
36	Gobo 2 Rotate Coarse	Indexed/Blink Modes			
		Position from 0-360 degrees	0-255	0-100	0-FF
		Continuously Variable Forward Rotate Mode			
		Rotate Stop	0-3	0-1	0-3
		Forward Rotate Slowest to Fastest	4-255	2-100	4-FF
		Reverse Rotate Slowest to Fastest	4-255	2-100	4-FF
		Scan Mode			
Scan Slowest to Fastest	0-255	0-100	0-FF		
37	Gobo 2 Rotate Fine	Indexed Mode			
		Low Order Byte position from 0-360 degrees	0-255	0-100	0-FF
38	Iris	Closed	0	0	0
		Variable Iris	1-127	1-50	01-7F
		Open	128-135	50-53	80-87
		Periodic Strobe (Variable)	136-151	53-59	88-97
		Random Strobe (Variable)	152-167	60-66	98-A7
		Ramp Open/Snap Shut (Variable)	168-183	66-72	A8-B7
		Snap Open/Ramp Shut (Variable)	184-199	72-78	B8-C7
		Ramp Open/Ramp Shut (Variable)	200-215	78-84	C8-D7
		Random Ramp/Snap (Variable)	216-231	85-91	D8-E7
		Random Snap/Ramp (Variable)	232-247	91-97	E8-F7
		Open	248-255	97-100	F8-FF

