

# AZOR® SP2 IP

COMPACT IP65 SPOT PROFILE MOVING HEAD  
DMX CONTROL TABLE



32CH Basic	37CH Standard	43CH Extended					
Channel	Channel	Channel	Function	Values			
1	1	1	Pan	000	-	255	0% to 100%
2	2	2	Pan fine	000	-	255	
3	3	3	Tilt	000	-	255	0% to 100%
4	4	4	Tilt fine	000	-	255	
5	5	5	Dimmer	000	-	255	0% to 100%
	6	6	Dimmer fine	000	-	255	
6	7	7	Strobe Functions	000	-	005	Open
				006	-	010	Closed
				011	-	022	Ramp up/down slow to fast
				023	-	033	Ramp up/down random slow to fast
				034	-	045	Ramp up slow to fast
				046	-	056	Ramp up random slow to fast
				057	-	068	Ramp down slow to fast
				069	-	079	Ramp down random slow to fast
				080	-	102	Random Strobe effect slow to fast
				103	-	127	Strobe Break effect 5s to 1s (Short burst with break)
			128	-	250	Strobe slow to fast (<1Hz to 20Hz)	
			251	-	255	Open	
7	8	8	Cyan	000	-	255	0% to 100%
		9	Cyan fine	000	-	255	
8	9	10	Magenta	000	-	255	0% to 100%
		11	Magenta fine	000	-	255	
9	10	12	Yellow	000	-	255	0% to 100%
		13	Yellow fine	000	-	255	
10	11	14	CTO	000	-	255	0% to 100%
		15	CTO fine	000	-	255	
11	12	16	Color Wheel	000	-	000	Open
				001	-	020	Open -> Deep Red
				021	-	021	Deep Red
				022	-	041	Deep Red -> Medium Blue
				042	-	042	Medium Blue
				043	-	062	Medium Blue -> Deep Green
				063	-	063	Deep Green
				064	-	083	Deep Green -> Lime

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11	12	16	Color Wheel	084	-	084	Lime
				085	-	104	Lime -> High CRI
				105	-	105	High CRI
				106	-	125	High CRI -> Deep Orange
				126	-	126	Deep Orange
				127	-	147	Deep Orange -> CTO 3200K
				148	-	148	CTO 3200K
				149	-	168	CTO 3200K -> Congo Blue
				169	-	169	Congo Blue
				170	-	189	Congo Blue -> Open
				190	-	192	Open
				193	-	223	Color Wheel Rotation fast to slow
				224	-	224	Color Wheel Rotation stop
				225	-	255	Color Wheel Rotation slow to fast (backwards)
12	13	17	Gobo Wheel	000	-	005	Open
				006	-	021	Open -> Gobo1
				022	-	022	Gobo 1
				023	-	038	Gobo 1 -> Gobo 2
				039	-	039	Gobo 2
				040	-	055	Gobo 2 -> Gobo 3
				056	-	056	Gobo 3
				057	-	072	Gobo 3 -> Gobo 4
				073	-	073	Gobo 4
				074	-	089	Gobo 4 -> Gobo 5
				090	-	090	Gobo 5
				091	-	106	Gobo 5 -> Gobo 6
				107	-	107	Gobo 6
				108	-	123	Gobo 6 -> Gobo 7
				124	-	124	Gobo 7
				125	-	140	Gobo 7 -> Open
				141	-	159	Open
				160	-	162	Gobo Shake 1 (slow -> fast)
				163	-	165	Gobo Shake 2 (slow -> fast)
				166	-	168	Gobo Shake 3 (slow -> fast)
				169	-	171	Gobo Shake 4 (slow -> fast)
				172	-	174	Gobo Shake 5 (slow -> fast)
				175	-	177	Gobo Shake 6 (slow -> fast)
178	-	180	Gobo Shake 7 (slow -> fast)				
181	-	192	Gobo open				

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12	13	17	Gobo Wheel	193	-	223	Gobo Wheel rotation fast to slow
				224	-	224	Gobo Wheel rotation Stop
				225	-	255	Gobo Wheel rotation slow to fast (backwards)
13	14	18	Gobo Wheel Gobo Position	000	-	128	Gobo Position 0° ... 540°
				129	-	191	Gobo Rotation fast to slow
				192	-	192	Gobo Rotation Stop
				193	-	255	Gobo Rotation slow to fast (backwards)
	15	19	Gobo Wheel Gobo Position fine	000	-	255	Gobo Position fine
14	16	20	Zoom	000	-	255	Narrow to Wide
		21	Zoom fine	000	-	255	
15	17	22	Focus	000	-	255	0% to 100%
	18	23	Focus fine	000	-	255	
	19	24	Auto Focus	000	-	005	No function
				006	-	036	3m
				037	-	067	5m
				068	-	098	10m
				099	-	129	15m
				130	-	160	20m
				161	-	191	30m
				192	-	222	50m
				223	-	255	100m
	20	25	Auto Focus Adjust	000	-	255	Auto Focus Adjustment
16	21	26	Iris	000	-	191	Open to Close
				192	-	200	Pulse slow to fast (with Dim)
				201	-	209	Pulse slow to fast (without Dim)
				210	-	218	Pulse Random slow to fast (without Dim)
				219	-	227	Ramp up slow to fast (with Dim)
				228	-	236	Ramp up slow to fast (without Dim)
				237	-	245	Ramp down slow to fast (with Dim)
				246	-	255	Ramp down slow to fast (without Dim)
17	22	27	Prism Selection	000	-	005	Prism Off
				006	-	091	Prism 1
				092	-	175	Prism 2
				176	-	255	Prism 1 & 2

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18	23	28	Prism 1	000	-	128	Prism Position 0° to 540°
				129	-	191	Prism Rotation fast to slow
				192	-	192	Prism Rotation Stop
				193	-	255	Prism Rotation slow to fast (backwards)
19	24	29	Prism 2	000	-	128	Prism Position 0° to 540°
				129	-	191	Prism Rotation fast to slow
				192	-	192	Prism Rotation Stop
				193	-	255	Prism Rotation slow to fast (backwards)
20	25	30	Light Frost	000	-	255	0% to 100%
21	26	31	Heavy Frost	000	-	255	0% to 100%
22	27	32	Animation Wheel	000	-	005	Off
				006	-	128	Animation Wheel Position 0° to 360°
				129	-	191	Animation Wheel Rotation fast to slow
				192	-	192	Animation Wheel Rotation Stop
				193	-	255	Animation Wheel Rotation slow to fast (backwards)
23	28	33	Blade 1A	000	-	255	0% - 100%
24	29	34	Blade 1B	000	-	255	0% - 100%
25	30	35	Blade 2A	000	-	255	0% - 100%
26	31	36	Blade 2B	000	-	255	0% - 100%
27	32	37	Blade 3A	000	-	255	0% - 100%
28	33	38	Blade 3B	000	-	255	0% - 100%
29	34	39	Blade 4A	000	-	255	0% - 100%
30	35	40	Blade 4B	000	-	255	0% - 100%
31	36	41	Shape Rotation	000	-	255	0% - 100%
		42	Shape Rotation fine	000	-	255	
32	37	43	Device settings (All settings executed are after holding value for 3 seconds (1*))	000	-	005	No function
				006	-	007	Blackout while P/T moving On
				008	-	009	Blackout while P/T moving Off
				010	-	011	Blackout while Wheels moving On
				012	-	013	Blackout while Wheels moving Off
				014	-	015	No function
				018	-	019	Sleep Mode On
				020	-	021	Sleep Mode Off/Wake Up
				022	-	024	No function
				025	-	025	Record Scene 1
				026	-	026	Record Scene 2

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32	37	43	Device settings (All settings executed are after holding value for 3 seconds (1*))	027 - 027	Record Scene 3
				028 - 028	Record Scene 4
				029 - 029	Record Scene 5
				030 - 030	Record Scene 6
				031 - 031	Record Scene 7
				032 - 032	Record Scene 8
				033 - 041	No function
				042 - 043	Invert Pan On
				044 - 045	Invert Pan Off
				046 - 047	Invert Tilt On
				048 - 049	Invert Tilt Off
				050 - 051	Pan Angle 540°
				052 - 053	Pan Angle 630°
				054 - 073	No Function
				074 - 075	Dimmer Response LED
				076 - 077	Dimmer Response Halogen
				078 - 093	No function
				094 - 095	Silent movement On
				096 - 097	Silent movement Off
				098 - 099	Fan Auto
				100 - 101	Fan Off
				102 - 103	Fan Constant Low
				104 - 105	Fan Constant Medium
				106 - 107	Fan Constant High
				108 - 119	No function
				120 - 121	PWM 1 (650 Hz)
				122 - 123	PWM 2 (1530 Hz)
				124 - 125	PWM 3 (3600 Hz)
				126 - 127	PWM 4 (12000 Hz)
				128 - 129	PWM 5 (18900 Hz)
				130 - 131	PWM 6 (25000 Hz)
				132 - 139	No function
140 - 141	Display Always On				
142 - 143	Display Off after 20s				
144 - 147	No function				
148 - 149	Color Wheel Snap				
150 - 151	Color Wheel Scroll				
152 - 153	Gobo Wheel Snap				
154 - 155	Gobo Wheel Scroll				
156 - 157	Gobo Color Correction On				

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32	37	43	Device settings (All settings executed are after holding value for 3 seconds (1*))	158 - 159	Gobo Color Correction Off
				160 - 161	No Function
				162 - 163	No Function
				164 - 165	Dimmer Curve Linear
				166 - 167	Dimmer Curve Exponential
				168 - 169	Dimmer Curve Logarithmic
				170 - 171	Dimmer Curve S-Curve
				172 - 209	No function
				210 - 211	Color Wheel Shortest Way
				212 - 213	Color Wheel Clockwise
				214 - 215	Gobo Wheel Shortest Way
				216 - 217	Gobo Wheel Clockwise
				218 - 219	Framing Control Left & Right
				220 - 221	Framing Control Position & Angle
				222 - 223	Reset Pan / Tilt
				224 - 233	No function
				234 - 235	Reset Head
				236 - 237	Reset All
				238 - 239	No function
				240 - 241	Load Factory Defaults
				242 - 243	No function
				244 - 245	Load User Default A
				246 - 247	Load User Default B
				248 - 249	Load User Default C
				250 - 255	No function

**EN:** (1\*) After the adjustments have been made, set the value to 000 to avoid disturbance by endless function call.

**EN:** (2\*) No effect at all control settings (DMX Address, DMX Mode, Wireless, ...)

**DE:** (1\*) Nachdem die Einstellungen vorgenommen wurden, stellen Sie den Wert auf 000 ein, um Störungen durch endlosen Funktionsaufruf zu vermeiden.

**FR:** (1\*) Une fois les ajustements effectués, réglez la valeur sur 000 pour éviter les perturbations par appel de fonction sans fin.

**ES:** (1\*) Después de realizar los ajustes, establezca el valor en 000 para evitar perturbaciones mediante una llamada de función sin fin.

**PL:** (1\*) Po dokonaniu ustawień ustaw wartość na 000, aby uniknąć zakłóceń przez niekończące się wywołanie funkcji.

**IT:** (1\*) Dopo aver effettuato le regolazioni, impostare il valore su 000 per evitare disturbi causati da una chiamata a funzione infinita.