

OTOS® SP6

IP65 SPOT PROFILE MOVING HEAD
DMX CONTROL TABLE



33CH	36CH	50CH	Function	Values			Subgroup	
Basic	Standard	Extended						
1	1	1	Pan	000	-	255	Pan	
			Pan fine	000	-	255		
3	3	3	Tilt	000	-	255	Tilt	
4	4	4	Tilt fine	000	-	255		
5	5	5	Dimmer	000	-	255	Dimmer	
	6	6	Dimmer fine	000	-	255		
6	7	7	Strobe Functions	000	-	005	Open	Multi-functional Strobe
				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	Subtractive Color Mixing	
		9	Cyan fine	000	-	255		
8	9	10	Magenta	000	-	255		
		11	Magenta fine	000	-	255		
9	10	12	Yellow	000	-	255		
		13	Yellow fine	000	-	255		
10	11	14	CTO	000	-	255		
		15	CTO fine	000	-	255		
11	12	16	Color Wheel	000	-	000	Open	Color Wheel
				001	-	026	Open -> Deep Red	
				027	-	027	Deep Red	
				028	-	053	Deep Red -> Medium Blue	
				054	-	054	Medium Blue	
				055	-	080	Medium Blue -> Deep Green	
				081	-	081	Deep Green	
				082	-	107	Deep Green -> Lavender	

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11	12	16	Color Wheel	108	-	108	Lavender	Color Wheel
				109	-	134	Lavender -> Deep Orange	
				135	-	135	Deep Orange	
				136	-	161	Deep Orange -> Congo Blue	
				162	-	162	Congo Blue	
				163	-	188	Congo Blue -> Open	
				189	-	192	Open	
				193	-	223	Color Wheel rotation fast -> slow, fwd	
				224	-	224	Color Wheel rotation stop	
				225	-	255	Color Wheel rotation slow-> fast, bwd	
12	13	17	Gobo Wheel 1	000	-	005	Open	"Gobo Wheel rotating Gobos"
				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	-	142	Open	
				143	-	149	Gobo 1 Shake (slow -> fast)	
				150	-	156	Gobo 2 Shake (slow -> fast)	
				157	-	163	Gobo 3 Shake (slow -> fast)	
				164	-	170	Gobo 4 Shake (slow -> fast)	
				171	-	177	Gobo 5 Shake (slow -> fast)	
				178	-	184	Gobo 6 Shake (slow -> fast)	
				185	-	191	Gobo 7 Shake (slow -> fast)	
				192	-	192	Open	
193	-	223	Gobo Wheel rotation fast to slow					
224	-	224	Gobo Wheel rotation Stop					
225	-	255	Gobo Wheel rotation slow to fast (backwards)					

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13	14	18	"Gobo Wheel 1 Gobo rotation"	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 1 Gobo rotation fine"	000	-	255	Gobo Rotation fine	
14	16	20	Gobo Wheel 2	000	-	005	Open	"Gobo Wheel 2 static Gobos"
				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	-	142	Open	
				143	-	149	Gobo 1 Shake (slow -> fast)	
				150	-	156	Gobo 2 Shake (slow -> fast)	
				157	-	163	Gobo 3 Shake (slow -> fast)	
				164	-	170	Gobo 4 Shake (slow -> fast)	
				171	-	177	Gobo 5 Shake (slow -> fast)	
				178	-	184	Gobo 6 Shake (slow -> fast)	
				185	-	191	Gobo 7 Shake (slow -> fast)	
192	-	192	Open					
193	-	223	Gobo Wheel rotation fast to slow					
224	-	224	Gobo Wheel rotation Stop					
225	-	255	Gobo Wheel rotation slow to fast (backwards)					
15	17	21	Zoom	000	-	255	Narrow to Wide	Zoom
		22	Zoom fine	000	-	255		
16	18	23	Focus	000	-	255	0% to 100%	Focus
	19	24	Focus fine	000	-	255		

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17	20	25	Iris	000	-	191	Open to Close	Iris	
				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)		
18	21	26	Prism Selection	000	-	005	Prism Wheel 1 off (open)	Prism	
				006	-	255	Prism 1		
19	22	27	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)		
20	23	28	Frost Heavy	000	-	255	0% to 100%		Frost
21	24	29	Frost Light	000	-	255	0% to 100%		
22	25	30	Animation Wheel	000	-	005	Animation Wheel In 0 - 100%		Animation Wheel
				006	-	047	Animation Wheel Bounce 1/3 In slow to fast		
				048	-	089	Animation Wheel Bounce 2/3 In slow to fast		
				090	-	255	Animation Wheel Bounce full In slow to fast		
23	26	31	Animation Wheel Rotation	000	-	128	Animation Wheel Position 0° to 540°		
				129	-	191	Animation Wheel Rotation fast to slow		
				192	-	192	Animation Wheel Rotation Stop		
				193	-	255	Animation Wheel Rotation slow to fast (backwards)		
24	27	32	Blade 1A	000	-	255	0% - 100%	Framing Blades	
		33	Blade 1A fine	000	-	255			
25	28	34	Blade 1B	000	-	255			
		35	Blade 1B fine	000	-	255			
26	29	36	Blade 2A	000	-	255			

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		37	Blade 2A fine	000	-	255		Framing Blades		
27	30	38	Blade 2B	000	-	255	0% - 100%			
		39	Blade 2B fine	000	-	255				
28	31	40	Blade 3A	000	-	255	0% - 100%			
		41	Blade 3A fine	000	-	255				
29	32	42	Blade 3B	000	-	255	0% - 100%			
		43	Blade 3B fine	000	-	255				
30	33	44	Blade 4A	000	-	255	0% - 100%			
		45	Blade 4A fine	000	-	255				
31	34	46	Blade 4B	000	-	255	0% - 100%			
		47	Blade 4B fine	000	-	255				
32	35	48	Shape Rotation	000	-	255	0% - 100%	Rotation		
		49	Shape Rotation fine	000	-	255				
33	36	50	"Device settings (All settings executed are after holding value for 3 seconds) (please read re- mark 1*)"	000	-	005	No function	Blackout		
				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	Sun Pro- tection
						014	-	015	Sun Protection On	
						016	-	017	Sun Protection Off	Energy Saving
						018	-	019	Sleep Mode On	
						020	-	021	Sleep Mode Off/Wake Up	
						022	-	024	No function	User Scenes
						025	-	025	Record User Scene 1	
						026	-	026	Record User Scene 2	
						027	-	027	Record User Scene 3	
						028	-	028	Record User Scene 4	
						029	-	029	Record User Scene 5	
						030	-	030	Record User Scene 6	
						031	-	031	Record User Scene 7	
		032	-	032	Record User Scene 8					
		033	-	041	No function	Movement				
		042	-	043	Invert Pan On					

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33	36	50	„Device settings (All settings executed are after holding value for 3 seconds) (please read remark 1*)“	044 - 045	Invert Pan Off	Movement
				046 - 047	Invert Tilt On	
				048 - 049	Invert Tilt Off	
				050 - 073	No function	
				074 - 075	Dimmer Response LED	Dimming
				076 - 077	Dimmer Response Halogen	
				078 - 097	No function	
				098 - 099	Fan Auto	Cooling Fan
				100 - 101	Fan Silent	
				102 - 103	Fan Off	
				104 - 119	No function	
				120 - 121	PWM 1 (650 Hz)	PWM Frequency
				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	Display Functions
				142 - 143	Display Off after 20s	
				144 - 147	No function	
				148 - 149	Color Wheel Snap	Wheel Movement
				150 - 151	Color Wheel Scroll	
				152 - 153	Gobo Wheel Snap	
				154 - 155	Gobo Wheel Scroll	
				156 - 157	Gobo Color Correction On	Gobo Color Correction
				158 - 159	Gobo Color Correction Off	
				160 - 163	No function	
				164 - 165	Dimmer Curve Linear	Dimmer Curve
				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	Wheel Positioning				
212 - 213	Color Wheel Clockwise					
214 - 215	Gobo Wheel Shortest Way					
216 - 217	Gobo Wheel Clockwise					
218 - 219	Framing Control Left & Right	Framing Control				
220 - 221	Framing Control Position & Angle					
222 - 223	Reset Pan / Tilt	Reset				
224 - 225	No function					
234 - 235	Reset Head complete					

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33	36	50	„Device settings (All settings executed are after holding value for 3 seconds) (please read remark 1*)“	236	-	237	Reset All	Reset
				238	-	239	No function	
				240	-	241	Load Factory Defaults	Load Default
				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.

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.