

EVOS® S3

SPOT MOVING HEAD
DMX CONTROL TABLE



22 Channel Mode						
Ch.	Function	Values			Sub-Group	
1	Pan	000	-	255	0% to 100%	Pan
2	Pan fine	000	-	255	0% to 100%	
3	Tilt	000	-	255	0% to 100%	
4	Tilt fine	000	-	255	0% to 100%	Tilt
5	Dimmer	000	-	255	0% to 100%	Dimmer
6	Strobe Functions	000	-	005	Strobe open	Multifunctional Strobe
		006	-	010	Strobe closed	
		011	-	033	Pulse Random, slow -> fast	
		034	-	056	Ramp up Random, slow -> fast	
		057	-	079	Ramp down Random, slow -> fast	
		080	-	102	Random Strobe Effect, slow -> fast	
		103	-	127	Strobe Break Effect, 5s.....1s (Short burst with break)	
		128	-	250	Strobe slow -> fast <1Hz - 20Hz	
251	-	255	Strobe open			
7	Cyan	000	-	255	0% to 100%	Cyan
8	Magenta	000	-	255	0% to 100%	Magenta
9	Yellow	000	-	255	0% to 100%	Yellow
10	CTO	000	-	255	0% to 100%	CTO
11	Colour Wheel	000	-	005	Colour off (open)	Colour Wheel
		006	-	017	Open/Deep Red	
		018	-	029	Deep Red	
		030	-	041	Deep Red / Medium Blue	
		042	-	053	Medium Blue	
		054	-	065	Medium Blue / Deep Green	
		066	-	077	Deep Green	
		078	-	089	Depp Green / Lavender	
		090	-	101	Lavender	
		102	-	113	Lavender / Amber	
		114	-	125	Amber	
		126	-	137	Amber / CTO	
		138	-	149	CTO	
		150	-	161	CTO / Congo Blue	
		162	-	173	Congo Blue	
		174	-	185	Congo Blue / Open	
		186	-	192	Colour off (open)	
		193	-	223	Colour Wheel rot. Slow -> Fast, CW	
224	-	224	Colour Wheel rot. Stop			
225	-	255	Colour Wheel rot. Fast -> Slow, CCW			

EVOS® S3

SPOT MOVING HEAD

DMX CONTROL TABLE



12	Gobo Wheel 1	000	-	005	Open	Gobo
		006	-	018	Gobo 1	
		019	-	031	Gobo 2	
		032	-	044	Gobo 3	
		045	-	057	Gobo 4	
		058	-	070	Gobo 5	
		071	-	083	Gobo 6	
		084	-	096	Gobo 7	
		097	-	109	Gobo 1 shake (slow-fast)	
		110	-	122	Gobo 2 shake (slow-fast)	
		123	-	135	Gobo 3 shake (slow-fast)	
		136	-	148	Gobo 4 shake (slow-fast)	
		149	-	161	Gobo 5 shake (slow-fast)	
		162	-	187	Gobo 6 shake (slow-fast)	
		175	-	190	Gobo 7 shake (slow-fast)	
		191	-	192	Open	
		193	-	223	Gobo Wheel rot. Slow -> Fast, CW	
224	-	224	Gobo Wheel rot. Stop			
225	-	255	Gobo Wheel rot. Fast -> Slow, CCW			
13	Gobo 1 Rotation	000	-	005	Gobo1 Rot. Off	Gobo
		006	-	128	Gobo Position 0° ... 540°	
		129	-	191	Gobo Rotation, Slow -> Fast, CW	
		192	-	192	Gobo Rotation Stop	
		193	-	255	Gobo Rotation, Fast -> , CCW	
14	Gobo 1 Index Fine	000	-	255	Gobo 1 Indexing 16bit (CH13 006 - 128)	Gobo
15	Gobo Wheel 2	000	-	005	Open	Gobo
		006	-	017	Gobo 1	
		018	-	029	Gobo 2	
		030	-	041	Gobo 3	
		042	-	053	Gobo 4	
		054	-	065	Gobo 5	
		066	-	077	Gobo 6	
		078	-	089	Gobo 7	
		090	-	101	Gobo 8	
		102	-	113	Gobo 1 shake (slow-fast)	
		114	-	125	Gobo 2 shake (slow-fast)	
		126	-	137	Gobo 3 shake (slow-fast)	
		138	-	149	Gobo 4 shake (slow-fast)	
		150	-	161	Gobo 5 shake (slow-fast)	
		162	-	173	Gobo 6 shake (slow-fast)	
		174	-	185	Gobo 7 shake (slow-fast)	
		186	-	191	Gobo 8 shake (slow-fast)	
192	-	192	Open			
193	-	223	Gobo Wheel rot. Slow -> Fast, CW			
224	-	224	Gobo Wheel rot. Stop			
225	-	255	Gobo Wheel rot. Fast -> Slow, CCW			
16	Zoom	000	-	255	narrow to wide	Zoom
17	Focus	000	-	255	0% to 100%	Focus

EVOS® S3

SPOT MOVING HEAD
DMX CONTROL TABLE



18	Iris	000	-	191	Open -> Close	Iris
		192	-	200	Pulse, slow -> fast (with Dim)	
		201	-	209	Pulse, slow -> fast (without Dim)	
		210	-	218	Pulse Random, slow -> fast (without Dim)	
		219	-	227	Ramp up, slow -> fast (with Dim)	
		228	-	236	Ramp up, slow -> fast (without Dim)	
		237	-	245	Ramp down, slow -> fast (with Dim)	
		246	-	255	Ramp down, slow -> fast (without Dim)	
19	Prism	000	-	005	Prism off	Prism
		006	-	128	Prism Position 0 ... 540°	
		129	-	191	Prism Rotation, Slow -> Fast, CW	
		192	-	192	Prism Rotation Stop	
		193	-	255	Prism Rotation, Fast -> Slow, CCW	
20	Frost	000	-	255	0% to 100%	Frost
21	Pan/Tilt Speed	000	-	255	Pan/Tilt Fast -> Slow	Pan/Tilt speed
22	Device Settings (please read remark 1*)	000	-	005	no function	Device Settings
		006	-	028	Blackout while Moving on (Hold 3s)	
		029	-	051	Blackout while Moving off (Hold 5s)	
		052	-	074	Invert Pan on (Hold 3s)	
		075	-	097	Invert Pan off (Hold 5s)	
		098	-	120	Invert Tilt on (Hold 3s)	
		121	-	143	Invert Tilt off (Hold 5s)	
		144	-	166	Silent Fan on (Hold 3s)	
		167	-	189	Silent Fan off (Hold 5s)	
		190	-	212	Reset Pan / Tilt (Hold 3s)	
		213	-	235	Reset only Head (Hold 3s)	
236	-	255	Reset All Functions (Hold 3s)			

32 Channel Mode						
Ch.	Function	Values			Sub-Group	
1	Pan	000	-	255	0% to 100%	Pan
2	Pan fine	000	-	255	0% to 100%	
3	Tilt	000	-	255	0% to 100%	Tilt
4	Tilt fine	000	-	255	0% to 100%	
5	Dimmer	000	-	255	0% to 100%	Dimmer
6	Dimmer fine	000	-	255	0% to 100%	
7	Strobe Functions	000	-	005	Strobe open	Multifunctional Strobe
		006	-	010	Strobe closed	
		011	-	033	Pulse Random, slow -> fast	
		034	-	056	Ramp up Random, slow -> fast	
		057	-	079	Ramp down Random, slow -> fast	
		080	-	102	Random Strobe Effect, slow -> fast	
		103	-	127	Strobe Break Effect, 5s.....1s (Short burst with break)	
		128	-	250	Strobe slow -> fast <1Hz - 20Hz	
251	-	255	Strobe open			
8	Cyan	000	-	255	0% to 100%	Cyan
9	Cyan Fine	000	-	255	0% to 100%	
10	Magenta	000	-	255	0% to 100%	Magenta
11	Magenta Fine	000	-	255	0% to 100%	

EVOS® S3

SPOT MOVING HEAD

DMX CONTROL TABLE



12	Yellow	000	-	255	0% to 100%	Yellow
13	Yellow Fine	000	-	255	0% to 100%	
14	CTO	000	-	255	0% to 100%	CTO
15	CTO Fine	000	-	255	0% to 100%	
16	Colour Wheel	000	-	005	Colour off (open)	Colour Wheel
		006	-	017	Open/Deep Red	
		018	-	029	Deep Red	
		030	-	041	Deep Red / Medium Blue	
		042	-	053	Medium Blue	
		054	-	065	Medium Blue / Deep Green	
		066	-	077	Deep Green	
		078	-	089	Depp Green / Lavender	
		090	-	101	Lavender	
		102	-	113	Lavender / Amber	
		114	-	125	Amber	
		126	-	137	Amber / CTO	
		138	-	149	CTO	
		150	-	161	CTO / Congo Blue	
		162	-	173	Congo Blue	
		174	-	185	Congo Blue / Open	
		186	-	192	Colour off (open)	
193	-	223	Colour Wheel rot. Slow -> Fast, CW			
224	-	224	Colour Wheel rot. Stop			
225	-	255	Colour Wheel rot. Fast -> Slow, CCW			

EVOS® S3

SPOT MOVING HEAD

DMX CONTROL TABLE



17	Gobo Wheel 1	000	-	005	Open	Gobo
		006	-	018	Gobo 1	
		019	-	031	Gobo 2	
		032	-	044	Gobo 3	
		045	-	057	Gobo 4	
		058	-	070	Gobo 5	
		071	-	083	Gobo 6	
		084	-	096	Gobo 7	
		097	-	109	Gobo 1 shake (slow-fast)	
		110	-	122	Gobo 2 shake (slow-fast)	
		123	-	135	Gobo 3 shake (slow-fast)	
		136	-	148	Gobo 4 shake (slow-fast)	
		149	-	161	Gobo 5 shake (slow-fast)	
		162	-	187	Gobo 6 shake (slow-fast)	
		175	-	190	Gobo 7 shake (slow-fast)	
		191	-	192	Open	
		193	-	223	Gobo Wheel rot. Slow -> Fast, CW	
224	-	224	Gobo Wheel rot. Stop			
225	-	255	Gobo Wheel rot. Fast -> Slow, CCW			
18	Gobo 1 Rotation	000	-	005	Gobo 1 Rotation off	Gobo
		006	-	128	Gobo 1 Position 0° ... 540°	
		129	-	191	Gobo 1 Rotation, Slow -> Fast, CW	
		192	-	192	Gobo 1 Rotation Stop	
		193	-	255	Gobo 1 Rotation, Fast -> , CCW	
19	Gobo 1 Index Fine	000	-	255	Gobo 1 Indexing 16bit (CH18 006 - 128)	
20	Gobo Wheel 2	000	-	005	Open	Gobo
		006	-	017	Gobo 1	
		018	-	029	Gobo 2	
		030	-	041	Gobo 3	
		042	-	053	Gobo 4	
		054	-	065	Gobo 5	
		066	-	077	Gobo 6	
		078	-	089	Gobo 7	
		090	-	101	Gobo 8	
		102	-	113	Gobo 1 shake (slow-fast)	
		114	-	125	Gobo 2 shake (slow-fast)	
		126	-	137	Gobo 3 shake (slow-fast)	
		138	-	149	Gobo 4 shake (slow-fast)	
		150	-	161	Gobo 5 shake (slow-fast)	
		162	-	173	Gobo 6 shake (slow-fast)	
		174	-	185	Gobo 7 shake (slow-fast)	
		186	-	191	Gobo 8 shake (slow-fast)	
		192	-	192	Open	
		193	-	223	Gobo Wheel rot. Slow -> Fast, CW	
224	-	224	Gobo Wheel rot. Stop			
225	-	255	Gobo Wheel rot. Fast -> Slow, CCW			
21	Zoom	000	-	255	narrow to wide	Zoom
22	Zoom fine	000	-	255	narrow to wide	Zoom
23	Focus	000	-	255	0% to 100%	Focus
24	Focus fine	000	-	255	0% to 100%	

EVOS® S3

SPOT MOVING HEAD

DMX CONTROL TABLE



25	Iris	000	-	191	Open -> Close	Iris
		192	-	200	Pulse, slow -> fast (with Dim)	
		201	-	209	Pulse , slow -> fast (without Dim)	
		210	-	218	Pulse Random, slow -> fast (without Dim)	
		219	-	227	Ramp up, slow -> fast (with Dim)	
		228	-	236	Ramp up, slow -> fast (without Dim)	
		237	-	245	Ramp down, slow -> fast (with Dim)	
		246	-	255	Ramp down, slow -> fast (without Dim)	
26	Prism	000	-	005	Prism off	Prism
		006	-	128	Prism Position 0 ... 540°	
		129	-	191	Prism Rotation, Slow -> Fast, CW	
		192	-	192	Prism Rotation Stop	
		193	-	255	Prism Rotation, Fast -> Slow, CCW	
27	Frost	000	-	255	0% to 100%	Frost
28	Auto Program	000	-	005	Auto Programs off	Auto Program
		006	-	026	Auto Program 1	
		027	-	047	Auto Program 2	
		048	-	068	Auto Program 3	
		069	-	089	Auto Program 4	
		090	-	110	Auto Program 5	
		111	-	131	Auto Program 6	
		132	-	152	Auto Program 7	
		153	-	173	Auto Program 8	
		174	-	194	Auto Program 9	
		195	-	215	Auto Program 10	
		216	-	236	Auto Program 11	
		237	-	255	Auto Program 12	
29	Pan/Tilt Macro	000	-	005	off	Auto Movement
		006	-	040	PAN „small > big“	
		041	-	075	TILT „small > big“	
		076	-	110	PAN / TILT „small > big“	
		111	-	145	PAN / TILT (invers) „small > big“	
		146	-	180	Circle „small > big“	
		181	-	215	Circle (invers) „small > big“	
216	-	255	Random „small > big“			
30	Pan/Tilt Speed / Auto Program Speed	006	-	255	Pan/Tilt Fast -> Slow	Pan/Tilt speed / Auto Program Speed
31	Set Dimmer Curve	000	-	005	no function	Dimmer Curve
		006	-	063	Linear Dimmer Curve	
		064	-	127	Exponential Dimmer Curve	
		128	-	191	Logarithmic Dimmer Curve	
		192	-	255	S-Curve Dimmer Curve	

EVOS® S3

SPOT MOVING HEAD

DMX CONTROL TABLE



32	Device Settings (please read remark 1*)	000	-	005	no function	Device Settings
		006	-	028	Blackout while Moving on (Hold 3s)	
		029	-	051	Blackout while Moving off (Hold 5s)	
		052	-	074	Invert Pan on (Hold 3s)	
		075	-	097	Invert Pan off (Hold 5s)	
		098	-	120	Invert Tilt on (Hold 3s)	
		121	-	143	Invert Tilt off (Hold 5s)	
		144	-	166	Silent Fan on (Hold 3s)	
		167	-	189	Silent Fan off (Hold 5s)	
		190	-	212	Reset Pan / Tilt (Hold 3s)	
		213	-	235	Reset only Head (Hold 3s)	
		236	-	255	Reset All Functions (Hold 3s)	

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.