

RIVALE PROFILE (Form Software V110)

DMX channel's functions and their values (65 DMX channels):

Mode/Channel	Mode/Channel	Value	Function	Default Value
Standard	Extended			
1	1		PAN Movement 8bit :	
		0-255	Pan Movement	128
2	2		Pan Fine 16bit	
		0-255	Fine control of Pan movement	0
3	3		TILT Movement 8bit :	
		0-255	Tilt Movement	128
4	4		Tilt Fine 16bit	
		0-255	Fine control of Tilt movement	0
-	5		Speed Pan/Tilt movement:	
		0-225	max to min speed	0
		226-235	blackout by movement	
		236-245	blackout by all wheel changing	
5	6		Pan Motor continuous rotation	
		0-63	stop rotation by spinout	0
		64-127	stop rotation by shortcut	
		128-189	Forwards Pan rotation from fast to slow	
		190-193	No rotation	
6	7		Tilt Motor continuous rotation	
		0-63	stop rotation by spinout	0
		64-127	stop rotation by shortcut	
		128-189	Forwards Tilt rotation from fast to slow	
		190-193	No rotation	
7	8		Shutter, strobe:	
		0-10	Shutter closed	
		11-20	No function (shutter open)	15
		21-117	Strobe effect slow to fast	
		118-126	No function (shutter open)	
		127-180	Pulse-effect in sequences	
		181-191	No function (shutter open)	
		192-245	Random strobe effect slow to fast	
8	9		Dimmer intensity:	
		0-255	Intensity 0 to 100%	0
9	10		Fine Dimmer intensity:	
		0-255	Dimmer intensity fine	

10	11		<u>Zoom :</u>	
		0-255	Zoom adjustment from small to big	128
11	12		<u>Zoom Fine:</u>	
		0-255	Zoom adjustment Fine	0
12	13		<u>Focus :</u>	
		0-255	Continuous adjustment from near to far	128
13	14		<u>Focus Fine:</u>	
		0-255	Continuous adjustment Fine	0
-	15		<u>Auto Focus :</u>	
		0-50	Auto Focus Off	0
		51-100	5m	
		101-150	7.5m	
		151-200	10m	
		201-255	15m	
-	16		<u>AutoFocus Fine:</u>	
		0-255	Continuous adjustment Fine	0
14	17		<u>Color Wheel:</u>	
		0-3	Open / white	0
		4-7	Color 1	
		8-11	Color 2	
		12-15	Color 3	
		16-19	Color 4	
		20-23	Color 5	
		24-27	Color 6	
		28-31	Color 7	
		32-127	Color indexing	
		128-189	Forwards rainbow effect from fast to slow	
		190-193	No rotation	
		194-255	Backwards rainbow effect from slow to fast	
15	18		<u>Color Wheel Fine:</u>	
		0-255	Color Wheel colour change to any position Fine	0
16	19		<u>Cyan Color :</u>	
		0-255	Cyan (0-white, 255-100% Cyan)	0
-	20		<u>Cyan Color Fine :</u>	
		0-255	Cyan Fine	0
17	21		<u>Magenta Color :</u>	
		0-255	Magenta (0-white, 255-100% magenta)	0
-	22		<u>Magenta Color Fine :</u>	
		0-255	Magenta Fine	0
18	23		<u>Yellow Color :</u>	
		0-255	Yellow (0-white, 255-100% Yellow)	0
-	24		<u>Yellow Color Fine :</u>	
		0-255	Yellow Fine	0
19	25		<u>CTO Color :</u>	
		0-255	CTO (0-white, 255-100% CTO)	0
-	26		<u>CTO Color Fine :</u>	
		0-255	CTO Fine	0

20	27		<u>CTP Color :</u>	
		0-255	CTP (0-white, 255-100% CTP)	0
-	28		<u>CTP Color Fine :</u>	
		0-255	CTP Fine	0
-	29		Reserved	
-	30		Reserved	
-	31		Reserved	
21	32		<u>Rotating gobos, cont. rotation 1:</u>	
		0-9	Open	0
		10-19	Rot. gobo 1	
		20-29	Rot. gobo 2	
		30-39	Rot. gobo 3	
		40-49	Rot. gobo 4	
		50-59	Rot. gobo 5	
		60-69	Rot. gobo 6	
		70-77	Rot. Gobo 7	
		78-93	Gobo 1 shake slow to fast	
		94-109	Gobo 2 shake slow to fast	
		110-125	Gobo 3 shake slow to fast	
		126-141	Gobo 4 shake slow to fast	
		142-157	Gobo 5 shake slow to fast	
		158-173	Gobo 6 shake slow to fast	
		174-189	Gobo 7 shake slow to fast	
		190-221	Gobo wheel rotation forwards from fast to slow	
222-223	No rotation			
224-255	Gobo wheel rotation f backwards from slow to fast			
22	33		<u>Rotating gobo index,rotating gobo rotation 1:</u>	
		0-127	Gobo indexing	0
		128-189	Forwards gobo rotation from fast to slow	
		190-193	No rotation	
194-255	Backwards gobo rotation from slow to fast			
23	34		<u>Rotating gobo indexing Fine 1:</u>	
		0-255	Fine indexing	0

24	35		<u>Fixed Gobo2 :</u>	
		0-9	open	0
		10-19	Gobo 1	
		20-29	Gobo 2	
		30-39	Gobo 3	
		40-49	Gobo 4	
		50-59	Gobo 5	
		60-69	Gobo 6	
		70-79	Gobo 7	
		80-89	Gobo 8	
		90-99	Gobo 9	
		100-109	Gobo 1 shake slow to fast	
		110-119	Gobo 2 shake slow to fast	
		120-129	Gobo 3 shake slow to fast	
		130-139	Gobo 4 shake slow to fast	
		140-149	Gobo 5 shake slow to fast	
		150-159	Gobo 6 shake slow to fast	
		160-169	Gobo 7 shake slow to fast	
		170-179	Gobo 8 shake slow to fast	
		180-189	Gobo 9 shake slow to fast	
190-221	Clock-wise scroll from fast to slow			
222-223	Reserved			
224-255	Counter clock-wise scroll from slow to fast			
25	36		<u>Animation wheel:</u>	
		0-7	No rotation	0
		8-127	Forwards rotation from fast to slow	
		128-135	No rotation	
		136-255	Backwards rotation from slow to fast	
26	37		<u>Iris:</u>	
		0-191	Max. diameter to Min.diameter	0
		192-223	Pulse closing fast to slow	
		224-255	Pulse opening slow to fast	
-	38		<u>Iris Fine:</u>	
		0-255	Iris Fine	0
27	39		<u>Prism 1:</u>	
		0-127	Open	0
		128-255	Prism 1	
28	40		<u>Rotating prism index, rotating prism rotation 1</u>	
		0-127	Prism indexing	0
		128-189	Forwards prism rotation from fast to slow	
		190-193	No rotation	
		194-255	Backwards prism rotation from slow to fast	
-	41		<u>Rotating prism indexing Fine 1:</u>	
		0-255	Fine indexing	0
29	42		<u>Prism 2:</u>	
		0-127	Open	0
		128-255	Prism 2	

			<u>Rotating prism index, rotating prism rotation 2</u>	
30	43	0-127	Prism indexing	0
		128-189	Forwards prism rotation from fast to slow	
		190-193	No rotation	
		194-255	Backwards prism rotation from slow to fast	
-	44		<u>Rotating prism indexing Fine 2:</u>	
		0-255	Fine indexing	0
31	45		<u>Frost 1:</u>	
		0-255	0-100%	0
32	46		<u>Frost 2:</u>	
		0-255	0-100%	0
33	47		<u>Blade 1A :</u>	
		0-255	Open to Close	0
-	48		<u>Blade 1A Fine :</u>	
		0-255	Open to Close Fine	0
34	49		<u>Blade 1B :</u>	
		0-255	Open to Close	0
-	50		<u>Blade 1B Fine :</u>	
		0-255	Open to Close Fine	0
35	51		<u>Blade 2A :</u>	
		0-255	Open to Close	0
-	52		<u>Blade 2A Fine :</u>	
		0-255	Open to Close Fine	0
36	53		<u>Blade 2B :</u>	
		0-255	Open to Close	0
-	54		<u>Blade 2B Fine :</u>	
		0-255	Open to Close Fine	0
37	55		<u>Blade 3A :</u>	
		0-255	Open to Close	0
-	56		<u>Blade 3A Fine :</u>	
		0-255	Open to Close Fine	0
38	57		<u>Blade 3B :</u>	
		0-255	Open to Close	0
-	58		<u>Blade 3B Fine :</u>	
		0-255	Open to Close Fine	0
39	59		<u>Blade 4A :</u>	
		0-255	Open to Close	0
-	60		<u>Blade 4A Fine :</u>	
		0-255	Open to Close Fine	0
40	61		<u>Blade 4B :</u>	
		0-255	Open to Close	0
-	62		<u>Blade 4B Fine :</u>	
		0-255	Open to Close Fine	0
41	63		<u>All Blade Rotation :</u>	
		0-255	All Blade Rotation	128
-	64		<u>All Blade Rotation Fine :</u>	
		0-255	All Blade Rotation Fine	0

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	Control, reset, internal programs:	
0-4	unused	0
5-9	Display Off	
10-14	Display On	
15-19	Display Invert Off	
20-24	Display Invert On	
25-26	Auto fan control mode	
27-28	Stage fan control mode	
29-30	Silence fan control mode	
31-32	Super Silence fan control mode	
33-34	Constant Fans Off	
35-36	Constant Fans On	
37-44	unused	
45-49	Square Law	
50-54	Linear	
55-58	1.2K	
59-62	2.4K	
63-66	16K	
67-69	25K	
70-74	Gobo correction Off	
75-79	Gobo correction On	
80-84	All motor reset	
85-87	Scan motor reset	
88-90	Colors motor reset	
91-93	Gobo motor reset	
94	unused	
95	Reset P/T Fade Off	
96	Reset P/T Fade On	
97-99	Other motor reset	
100-102	Frost Progressive Off	
103-105	Frost Progressive On	
106-108	CMY speed Fast	
109-111	CMY speed Medium	
112-114	CMY speed Slow	
115-117	unused	
118-120	unused	
121-123	Sun Protection Off	
124-126	Sun Protection On	
127-129	Pan Reverse Off	
130-132	Pan Reverse On	
133-135	Tilt Reverse Off	
136-138	Tilt Reverse On	
139-141	Pan Degree 540°	
142-144	Pan Degree 630°	
145-147	Tilt Degree 540°	
148-150	Tilt Degree 270°	
151-153	Feedback Off	
154-156	Feedback On	
157-159	Init PAN Off	
160-162	Init PAN On	

163-165	Init TILT Off	
166-168	Init TILT On	
169-171	Prerig INIT Off	
172-174	Prerig INIT On	
175-177	Reset Mode (Fast)	
178-180	Reset Mode (All Rot Gobos)	
181-183	Pan/Tilt Spd Fast	
184-186	Pan/Tilt Spd Medium	
187-189	Pan/Tilt Spd Slow	
190-192	unused	
193-195	Zoom/Focus Spd Fast	
196-198	Zoom/Focus Spd Medium	
199-201	Zoom/Focus Spd Slow	
202-204	Reset LED Fade Off	
205-207	Reset LED Fade On	
208-210	Defog Off	
211-213	Defog Auto	
214-216	Defog On	
217-219	Gobo Gen2 SN RAxxxx	
220-222	Gobo matching Gen1 SN RVxxxxx	
223-255	unused	