

## RIVALE PROFILE

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

Mode/Channel	Value	Function
Ex		
1		<b>PAN Movement 8bit :</b>
	0-255	Pan Movement
2		<b>Pan Fine 16bit</b>
	0-255	Fine control of Pan movement
3		<b>TILT Movement 8bit :</b>
	0-255	Tilt Movement
4		<b>Tilt Fine 16bit</b>
	0-255	Fine control of Tilt movement
5		<b>Speed Pan/Tilt movement:</b>
	0-225	max to min speed
	226-235	blackout by movement
	236-245	blackout by all wheel changing
	246-255	no function
6		<b>Pan Motor continuous rotation</b>
	0-63	stop rotation by spinct
	64-127	stop rotation by shortcut
	128-189	Forwards Pan rotation from fast to slow
	190-193	No rotation
194-255	Backwards Pan rotation from slow to fast	
7		<b>Tilt Motor continuous rotation</b>
	0-63	stop rotation by spinct
	64-127	stop rotation by shortcut
	128-189	Forwards Tilt rotation from fast to slow
	190-193	No rotation
194-255	Backwards Tilt rotation from slow to fast	
8		<b>Shutter, strobe:</b>
	0-10	Shutter closed
	11-20	No function (shutter open)
	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
246-255	No function (shutter open)	
9		<b>Dimmer intensity:</b>
	0-255	Intensity 0 to 100%
10		<b>Fine Dimmer intensity:</b>
	0-255	Dimmer intensity fine
11		<b>Zoom :</b>
	0-255	Zoom adjustment from small to big
12		<b>Zoom Fine:</b>
	0-255	Zoom adjustment Fine
13		<b>Focus :</b>
	0-255	Continuous adjustment from near to far
14		<b>Focus Fine:</b>
	0-255	Continuous adjustment Fine
15		<b>Auto Focus :</b>
	0-50	Auto Focus Off
	51-100	5m
	101-150	7.5m
	151-200	10m
201-255	15m	
16		<b>AutoFocus Fine:</b>
	0-255	Continuous adjustment Fine

17		<b>Color Wheel:</b>
	0-3	Open / white
	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	
18		<b>Color Wheel Fine:</b>
	0-255	Color Wheel colour change to any position Fine
19		<b>Cyan Color :</b>
	0-255	Cyan (0-white, 255-100% Cyan)
20		<b>Cyan Color Fine :</b>
	0-255	Cyan Fine
21		<b>Magenta Color :</b>
	0-255	Magenta (0-white, 255-100% magenta)
22		<b>Magenta Color Fine :</b>
	0-255	Magenta Fine
23		<b>Yellow Color :</b>
	0-255	Yellow (0-white, 255-100% Yellow)
24		<b>Yellow Color Fine :</b>
	0-255	Yellow Fine
25		<b>CTO Color :</b>
	0-255	CTO (0-white, 255-100% CTO)
26		<b>CTO Color Fine :</b>
	0-255	CTO Fine
27		<b>CTP Color :</b>
	0-255	CTP (0-white, 255-100% CTP)
28		<b>CTP Color Fine :</b>
	0-255	CTP Fine
29		Reserved
30		Reserved
31		Reserved
32		<b>Rotating gobos, cont. rotation 1:</b>
	0-9	Open
	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	
33		<b>Rotating gobo index,rotating gobo rotation 1:</b>
	0-127	Gobo indexing
	128-189	Forwards gobo rotation from fast to slow
	190-193	No rotation
194-255	Backwards gobo rotation from slow to fast	
34		<b>Rotating gobo indexing Fine 1:</b>
	0-255	Fine indexing

		<b>Fixed Gobo2 :</b>
	0-9	open
	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
35	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
		<b>Animation wheel:</b>
	0-7	No rotation
36	8-127	Forwards rotation from fast to slow
	128-135	No rotation
	136-255	Backwards rotation from slow to fast
		<b>Iris:</b>
	0-191	Max. diameter to Min.diameter
37	192-223	Pulse closing fast to slow
	224-255	Pulse opening slow to fast
		<b>Iris Fine:</b>
38	0-255	Iris Fine
		<b>Prism 1:</b>
39	0-127	Open
	128-255	Prism 1
		<b>Rotating prism index, rotating prism rotation 1</b>
	0-127	Prism indexing
40	128-189	Forwards prism rotation from fast to slow
	190-193	No rotation
	194-255	Backwards prism rotation from slow to fast
		<b>Rotating prism indexing Fine 1:</b>
41	0-255	Fine indexing
		<b>Prism 2:</b>
42	0-127	Open
	128-255	Prism 2
		<b>Rotating prism index, rotating prism rotation 2</b>
	0-127	Prism indexing
43	128-189	Forwards prism rotation from fast to slow
	190-193	No rotation
	194-255	Backwards prism rotation from slow to fast
		<b>Rotating prism indexing Fine 2:</b>
44	0-255	Fine indexing
		<b>Frost 1:</b>
45	0-255	0-100%
		<b>Frost 2:</b>
46	0-255	0-100%

47		<b><u>Blade 1A :</u></b>
	0-255	Open to Close
48		<b><u>Blade 1A Fine :</u></b>
	0-255	Open to Close Fine
49		<b><u>Blade 1B :</u></b>
	0-255	Open to Close
50		<b><u>Blade 1B Fine :</u></b>
	0-255	Open to Close Fine
51		<b><u>Blade 2A :</u></b>
	0-255	Open to Close
52		<b><u>Blade 2A Fine :</u></b>
	0-255	Open to Close Fine
53		<b><u>Blade 2B :</u></b>
	0-255	Open to Close
54		<b><u>Blade 2B Fine :</u></b>
	0-255	Open to Close Fine
55		<b><u>Blade 3A :</u></b>
	0-255	Open to Close
56		<b><u>Blade 3A Fine :</u></b>
	0-255	Open to Close Fine
57		<b><u>Blade 3B :</u></b>
	0-255	Open to Close
58		<b><u>Blade 3B Fine :</u></b>
	0-255	Open to Close Fine
59		<b><u>Blade 4A :</u></b>
	0-255	Open to Close
60		<b><u>Blade 4A Fine :</u></b>
	0-255	Open to Close Fine
61		<b><u>Blade 4B :</u></b>
	0-255	Open to Close
62		<b><u>Blade 4B Fine :</u></b>
	0-255	Open to Close Fine
63		<b><u>All Blade Rotation :</u></b>
	0-255	All Blade Rotation
64		<b><u>All Blade Rotation Fine :</u></b>
	0-255	All Blade Rotation Fine

		<b>Control, reset, internal programs:</b>
	0-4	unused
	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
65	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 Medium
	184-186	Pan/Tilt Spd Fast
	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
	217-255	unused