

















DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (61 DMX CHANNELS) - V102

Mode/Channel			Function	Value	Default Value	
Ba	St	Ex				
1	1	1	PAN Movement 8bit	0-255	128	
	2	2	Pan Fine 16bit: Fine control of Pan movement	0-255	0	
2	3	3	TILT Movement 8bit	0-255	128	
	4	4	Tilt Fine 16bit: Fine control of Tilt movement	0-255	0	
3	5	5	Speed Fan/Tilt Movement	Max to min speed	0-225	0
				Blackout by movement	226-235	
				Blackout by all wheel changing	236-245	
				No function	246-255	
4	6	6	Shutter, Strobe	Shutter closed	0-10	11
				No function (shutter open)	11-20	
				Strobe effect slow to fast	21-117	
				No function (shutter open)	118-126	
				Pulse-effect in sequences	127-180	
				No function (shutter open)	181-191	
				Random strobe effect slow to fast	192-245	
				No function (shutter open)	246-255	
5	7	7	Dimmer Intensity: Intensity 0 to 100%	0-255	0	
	8		Dimmer Intensity Fine	0-255	0	
6	8	9	Zoom: From small to big	0-255	128	
	10		Zoom Fine	0-255	0	
7	9	11	Focus: From near to far	0-255	128	
	12		Focus Fine	0-255	0	
8	10	13	Auto Focus	Auto Focus Off	0-50	0
				5m	51-100	
				7.5 m	101-150	
				10 m	151-200	
				15 m	201-255	
9	11	14	Auto Focus Fine	0-255	0	
10	12	15	Colour Wheel	Open / white	0-3	0
				Colour 1: CTB 1/4	 4-7	
				Colour 2: Congo Blue	 8-11	
				Colour 3: Green	 12-15	
				Colour 4: Orange	 16-19	
				Colour 5: Blue	 20-23	
				Colour 6: Red	 24-27	
				Colour indexing	28-127	
				Backwards rainbow effect from fast to slow	128-189	
				No rotation	190-193	
				Forwards rainbow effect from slow to fast	194-255	
	16		Colour Wheel Fine	0-255	0	
11	13	17	Cyan Colour (0-white, 255-100% Cyan)	0-255	0	

Mode/Channel			Function	Value	Default Value	
	18		Cyan Colour Fine	0-255	0	
12	14	19	Magenta (0-white, 255-100% magenta)	0-255	0	
	20		Magenta Colour Fine	0-255	0	
13	15	21	Yellow Colour (0-white, 255-100% Yellow)	0-255	0	
	22		Yellow Colour Fine	0-255	0	
14	16	23	CTO Colour (0-white, 255-100% CTO)	0-255	0	
	24		CTO Colour Fine	0-255	0	
15	17	25	CTB Colour (0-white, 255-100% CTB)	0-255	0	
	26		CTB Colour Fine	0-255	0	
16	18	27	CTP Colour (0-white, 255-100% CTP)	0-255	0	
	28		CTP Colour Fine	0-255	0	
17	19	29	Colour Presets: See Appendix	0-255		
18	20	30	Reserved			
19	21	31	Reserved			
20	22	32	Reserved			
21	23	33	Rotating Gobo Wheel 1	Open	0-9	0
				Rot. gobo 1: Dot Line 4	 10-19	
				Rot. gobo 2: Dot Ring 3	 20-29	
				Rot. gobo 3: Square Beam 4	 30-39	
				Rot. gobo 4: Five Spokes	 40-49	
				Rot. gobo 5: Beam Shaper	 50-59	
				Rot. gobo 6: Breaking Glass	 60-69	
				Rot. gobo 7: Waves	 70-77	
				Gobo 1 shake slow to fast	78-93	
				Gobo 2 shake slow to fast	94-109	
				Gobo 3 shake slow to fast	110-125	
				Gobo 4 shake slow to fast	126-141	
				Gobo 5 shake slow to fast	142-157	
				Gobo 6 shake slow to fast	158-173	
				Gobo 7 shake slow to fast	174-189	
Gobo wheel rotation forwards from fast to slow	190-221					
No rotation	222-223					
Gobo wheel rotation backwards from slow to fast	224-255					
22	24	34	Rotating Gobo Wheel 1 Index, Rotation	Gobo indexing	0-127	0
				Forwards gobo rotation from fast to slow	128-189	
				No rotation	190-193	
				Backwards gobo rotation from slow to fast	194-255	
	35		Rotating Gobo Wheel 1 Index, Rotation Fine		0	

Mode/Channel			Function	Value	Default Value	
23	25	36	Animation Wheel	No rotation 	0-7	0
				Forwards rotation from fast to slow	8-127	
				No rotation 	128-135	
				Backwards rotation from slow to fast	136-255	
24	26	37	Iris	Max. diameter to Min.diameter	0-191	0
				Pulse closing fast to slow	192-223	
				Pulse opening slow to fast	224-255	
		38	Iris Fine	0-255	0	
25	27	39	Beam Shaper	Open	0-127	0
				Beam Shaper 	128-255	
26	28	40	Beam Shaper Index, Rotation	Prism indexing	0-127	0
				Forwards prism rotation from fast to slow	128-189	
				No rotation	190-193	
				Backwards prism rotation from slow to fast	194-255	
		41	Beam Shaper Index, Rotation Fine	0-255	0	
27	29	42	Frost: 0-100%	0-255	0	
28	30	43	Blade 1A: Open to Close	0-255	0	
		44	Blade 1A Fine: Open to Close Fine	0-255	0	
29	31	45	Blade 1B: Open to Close	0-255	0	
		46	Blade 1B Fine: Open to Close Fine	0-255	0	
30	32	47	Blade 2A: Open to Close	0-255	0	
		48	Blade 2A Fine: Open to Close Fine	0-255	0	
31	33	49	Blade 2B: Open to Close	0-255	0	
		50	Blade 2B Fine: Open to Close Fine	0-255	0	
32	34	51	Blade 3A: Open to Close	0-255	0	
		52	Blade 3A Fine: Open to Close Fine	0-255	0	
33	35	53	Blade 3B: Open to Close	0-255	0	
		54	Blade 3B Fine: Open to Close Fine	0-255	0	
34	36	55	Blade 4A: Open to Close	0-255	0	
		56	Blade 4A Fine: Open to Close Fine	0-255	0	
35	37	57	Blade 4B: Open to Close	0-255	0	
		58	Blade 4B Fine: Open to Close Fine	0-255	0	
36	38	59	All Blade Rotation: +/- 90°	0-255	128	
		60	All Blade Rotation Fine	0-255	0	
37	39	61	Control, Reset, Internal Programs	unused	0-4	0
				Display Off	5-9	
				Display On	10-14	
				Display Invert Off	15-19	
				Display Invert On	20-24	
				Auto fan control mode	25-26	
				Stage fan control mode	27-28	
				Silence fan control mode	29-30	

Mode/Channel			Function	Value	Default Value	
37	39	61	Control, Reset, Internal Programs	Super Silence fan control mode	31-32	0
				Constant Fans Off	33-34	
				Constant Fans On	35-36	
				unused	37-44	
				Square Law	45-49	
				Linear	50-54	
				1.2 K	55-58	
				2.4 K	59-62	
				16 K	63-66	
				25 K	67-69	
				Gobo correction Off	70-74	
				Gobo correction On	75-79	
				All motor reset	80-84	
				Scan motor reset	85-87	
				Colours motor reset	88-90	
				Gobo motor reset	91-93	
				unused	94	
				Reset P/T Fade Off	95	
				Reset P/T Fade On	96	
				Other motor reset	97-99	
				Frost Progressive Off	100-102	
				Frost Progressive On	103-105	
				CMY speed Fast	106-108	
				CMY speed Medium	109-111	
				CMY speed Slow	112-114	
				Silence Movements Off	115-117	
				Silence Movements On	118-120	
				Prerig INIT Off	121-123	
				Prerig INIT On	124-126	
				Sun Protection Off	127-129	
				Sun Protection On	130-132	
Pan Reverse Off	133-135					
Pan Reverse On	136-138					
Tilt Reverse Off	139-141					
Tilt Reverse On	142-144					
Pan Degree 540°	145-147					
Pan Degree 630°	148-150					
Feedback Off	151-153					
Feedback On	154-156					
Init PAN Off	157-159					
Init PAN On	160-162					
Init TILT Off	163-165					

Mode/ Channel	Function	Value	Default Value
37 39 61	Init TILT On	166-168	0
	Reset Mode (Fast)	169-171	
	Reset Mode (All Rot Gobos)	172-174	
	Pan/Tilt Spd Fast	175-177	
	Pan/Tilt Spd Medium	178-180	
	Pan/Tilt Spd Slow	181-183	
	Pan/Tilt Spd FS Mode	184-186	
	Zoom/Focus Spd Fast	187-189	
	Zoom/Focus Spd Medium	190-192	
	Zoom/Focus Spd Slow	193-195	
	Reset LED Fade Off	196-198	
	Reset LED Fade On	199-201	
	Defog Off	202-204	
	Defog Auto	205-207	
	Defog On	208-210	
	unused	211-255	

Control,
Reset,
Internal
Programs

COLOUR PRESETS

APPENDIX

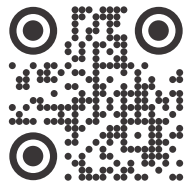
Name (=DMX value)	Colour name
EC003	Lavender Tint
EC004	Medium Bastard Amber
EC007	Pale Yellow
EC008	Dark Salmon
EC009	Pale Amber Gold
EC010	Medium Yellow
EC013	Straw Tint
EC015	Deep Straw
EC017	Surprise Peach
EC020	Medium Amber
EC021	Gold Amber
EC022	Dark Amber
EC024	Scarlet
EC025	Sunset Red
EC026	Bright Red
EC029	Palsa Red
EC035	Light Pink
EC036	Medium Pink
EC046	Dark Magenta
EC048	Dark Purple
EC052	Light Lavender
EC053	Pale Lavender

Name (=DMX value)	Colour name
EC058	Lavender
EC063	Pale Blue
EC068	Sky Blue
EC071	Tokio Blue
EC075	Evening Blue
EC079	Just Blue
EC085	Deeper Blue
EC088	Lime Green
EC089	Moss Green
EC090	Darkyellow Green
EC100	Spring Yellow
EC101	Yellow
EC102	Light Amber
EC103	Straw
EC104	Deep Amber
EC105	Orange
EC106	Primay Red
EC107	Light Rose
EC108	English Rose
EC109	Light Salmon
EC110	Middle Rose
EC111	Dark Pink
EC113	Magenta
EC116	Medium Blue Green
EC118	Light Blue
EC119	Dark Blue
EC120	Deep Blue
EC124	Dark Green
EC126	Mauve
EC127	Smokey Pink
EC128	Bright Pink
EC132	Medium Blue
EC134	Golden Amber
EC136	Pale Lavender
EC137	Special Lavender
EC138	Pale Green
EC139	Primary Green
EC140	Summer Blue
EC141	Bright Blue
EC142	Pale Violet
EC143	Pale Navy Blue
EC147	Apricot

DOMINO MODE

Name (=DMX value)	Colour name
EC148	Bright Rose
EC151	Gold Tint
EC152	Pale Gold
EC153	Pale Salmon
EC154	Pale Rose
EC156	Chocolate
EC158	Deep Orange
EC159	No Color Straw
EC161	Slate Blue
EC162	Bastard Amber
EC164	Flame Red
EC165	Daylight Blue
EC169	Lilac Tint
EC170	Deep Lavender
EC172	Lagoon Blue
EC174	Dark Steel Blue
EC176	Loving Amber
EC179	Chrome Orange
EC180	Dark Lavender
EC181	Congo Blue
EC182	Light Red
EC183	Moonlight Blue
EC192	Flesh Pink
EC193	Rosy Amber
EC194	Surprise Pink
EC195	Zenith Blue
EC196	True Blue
EC197	Alice Blue
EC198	Palace Blue

*Errors and omissions for all information given in this DMX chart are possible.
All information is subject to change without prior notice.*



SCAN FOR MORE

www.ayrton.eu



AYRTON
Digital Lighting