

DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (33 DMX CHANNELS) - V106

Mode/Channel	Function	Value	Default Value
Ex			
1	PAN Movement 8bit	0-255	128
2	Pan Fine 16bit	0-255	0
3	TILT Movement 8bit	0-255	128
4	Tilt Fine 16bit	0-255	0
5	Speed Fan/Tilt Movement	Max to min speed	0-225
		Blackout by movement	226-235
		Blackout by all wheel changing	236-245
		No function	246-255
6	Pan Motor Continuous Rotation	Stop rotation by spinout	0-63
		Stop rotation by shortcut	64-127
		Forwards Pan rotation from fast to slow	128-189
		No rotation	190-193
		Backwards Pan rotation from slow to fast	194-255
7	Tilt Motor Continuous Rotation	Stop rotation by spinout	0-63
		Stop rotation by shortcut	64-127
		Forwards Tilt rotation from fast to slow	128-189
		No rotation	190-193
		Backwards Tilt rotation from slow to fast	194-255
8	Shutter, Strobe	Shutter closed	0-10
		No fuction (Shutter open)	11-20
		Strobe effect slow to fast	21-117
		No fuction (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
9	Dimmer Intensity: 0 to 100%	0-255	0
10	Dimmer Intensity Fine	0-255	0
11	Focus: From near to far	0-255	128
12	Focus Fine	0-255	0
13	Colour Wheel	Open / white	0-3
		Colour 1: Red	4-5
		Colour 2: Blue	6-7
		Colour 3: Orange	8-9
		Colour 4: Green	10-11
		Colour 5: Pink	12-13
		Colour 6: Yellow	14-15
		Colour 7: Velvet Green	16-17
		Colour 8: Amber	18-19
		Colour 9: Light Blue	20-21
		Colour 10: Follies Pink	22-23

Mode/Channel	Function	Value	Default Value
13	Colour Wheel	Colour 11: Slate Blue	24-25
		Colour 12: Medium Yellow	26-27
		Colour 13: Dark Green	28-29
		Colour 14: Dark Amber	30-31
		Colour 15: Medium Blue	32-33
		Colour 16: Oklahoma Yellow	34-35
		Colour 17: Light Amber	36-37
		Colour 18: CTO	38-39
		Colour 19: CTO 1/2	40-41
		Colour 20: CTB	42-43
		Colour 21: CTB 1/2	44-45
		Colour 22: Minus Green 1/2	46-47
		Colour indexing	48-127
		Forwards rainbow effect from fast to slow	128-189
		No rotation	190-193
Backwards rainbow effect from slow to fast	194-255		
14	Colour Wheel Fine	0-255	0
15	Cyan Colour (0-white, 255-100% Cyan)	0-255	0
16	Cyan Colour Fine	0-255	0
17	Magenta Colour (0-white, 255-100% magenta)	0-255	0
18	Magenta Colour Fine	0-255	0
19	Yellow Colour (0-white, 255-100% yellow)	0-255	0
20	Yellow Colour Fine	0-255	0
21	Reserved		
22	Reserved		
23	Reserved		
24	Static Gobo Wheel	Open	0-15
		Gobo 1: 80% Iris Beam	16
		Gobo 2: 60% Iris Beam	17
		Gobo 3: 40% Iris Beam	18
		Gobo 4: 20% Iris Beam	19
		Gobo 5: Dot Line 2	20
		Gobo 6: Dot Triangle 3	21
		Gobo 7: Dot Square 4	22
		Gobo 8: Dot Ring 7	23
		Gobo 9: Dot Mix	24
		Gobo 10: Prison Bars 3	25
		Gobo 11: Waves Light	26
		Gobo 12: Half Beam Left	27
		Gobo 13: Half Beam Right	28
		Gobo 14: Half Beam Up	29
		Gobo 15: Half Beam Down	30

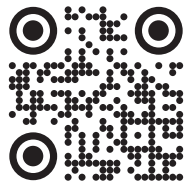
Mode/Channel	Function	Value	Default Value
24	Gobo 16: Split Circle 2		31
	Gobo 17: Split Triangle 3		32
	Gobo 18: Compass 4		33
	Gobo 19: Star Beam		34
	Gobo 20: Five Spokes		35
	Gobo 21: Triangle Beam		36
	Gobo 22: Helix 3		37
	Gobo 23: Inverted Cross		38
	Gobo 24: Rubik Cube		39
	Gobo 25: Square Beam 4		40
	Gobo 26: Square Beam		41
	Gobo 27: Tilde		42
	Gobo 28: Bold Line		43
	Gobo 29: Vertical Line		44
	Gobo 1 shake slow to fast		45-49
	Gobo 2 shake slow to fast		50-54
	Gobo 3 shake slow to fast		55-59
	Gobo 4 shake slow to fast		60-64
	Gobo 5 shake slow to fast		65-69
	Gobo 6 shake slow to fast		70-74
	Gobo 7 shake slow to fast		75-79
	Gobo 8 shake slow to fast		80-84
	Gobo 9 shake slow to fast		85-89
	Gobo 10 shake slow to fast		90-94
	Gobo 11 shake slow to fast		95-99
	Gobo 12 shake slow to fast		100-104
	Gobo 13 shake slow to fast		105-109
	Gobo 14 shake slow to fast		110-114
	Gobo 15 shake slow to fast		115-119
	Gobo 16 shake slow to fast		120-124
	Gobo 17 shake slow to fast		125-129
	Gobo 18 shake slow to fast		130-134
	Gobo 19 shake slow to fast		135-139
	Gobo 20 shake slow to fast		140-144
	Gobo 21 shake slow to fast		145-149
	Gobo 22 shake slow to fast		150-154
	Gobo 23 shake slow to fast		155-159
	Gobo 24 shake slow to fast		160-164
	Gobo 25 shake slow to fast		165-169
	Gobo 26 shake slow to fast		170-174
	Gobo 27 shake slow to fast		175-179
	Gobo 28 shake slow to fast		180-184

Mode/Channel	Function	Value	Default Value
24	Static Gobo Wheel	Gobo 29 shake slow to fast	185-189
		Clock-wise scroll from fast to slow	190-221
		Reserved	222-223
		Counter clock-wise scroll from slow to fast	224-255
25	Prism 1	Open	0-127
		Prism 1: 5-facet linear	128-255
26	Prism 1 Index, Rotation	Prism indexing	0-127
		Forwards prism rotation from fast to slow	128-189
		No rotation	190-193
		Backwards prism rotation from slow to fast	194-255
27	Prism 1 Index, Rotation Fine	0-255	
28	Prism 2	Open	0-127
		Prism 2: 32-facet circular	128-255
29	Prism 2 Index, Rotation	Prism indexing	0-127
		Forwards prism rotation from fast to slow	128-189
		No rotation	190-193
		Backwards prism rotation from slow to fast	194-255
30	Prism 2 Index, Rotation Fine	0-255	
31	Frost 1: 0-100%	0-255	
32	Frost 2: 0-100%	0-255	
33	Control, Reset, Internal Programs	unused	0-4
		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
		Super Silence fan control mode	31-32
		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		
unused	70-74		
unused	75-79		

Mode/Channel	Function	Value	Default Value
33	All motor reset	80-84	0
	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	
	unused	100-102	
	unused	103-105	
	CMY speed Fast	106-108	
	CMY speed Medium	109-111	
	CMY speed Slow	112-114	
	unused	115-117	
	unused	118-120	
	Sun Protection Off	121-123	
	Sun Protection On	124-126	
	Pan Reverse Off	127-129	
	Pan Reverse On	130-132	
	Tilt Reverse Off	133-135	
	Tilt Reverse On	136-138	
	Pan Degree 540°	139-141	
	Pan Degree 630°	142-144	
	Tilt Degree 540°	145-147	
	Tilt Degree 270°	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	
	Init TILT On	166-168	
	Prerig INIT Off	169-171	
	Prerig INIT On	172-174	
	unused	175-177	
	unused	178-180	
	Pan/Tilt Spd Fast	181-183	
	Pan/Tilt Spd Medium	184-186	
	Pan/Tilt Spd Slow	187-189	
	Pan/Tilt Spd Turbo	190-192	
	Zoom/Focus Spd Fast	193-195	
Zoom/Focus Spd Medium	196-198		
Zoom/Focus Spd Slow	199-201		

Mode/Channel	Function	Value	Default Value
33	Reset Laser Fade Off	202-204	0
	Reset Laser Fade On	205-207	
	Defog Off	208-210	
	Defog Auto	211-213	
	Defog On	214-216	
	unused	217-255	

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