

DMX protocol

Robin TX1 PosiProfile - DMX protocol

Version: 1.7 Mode 1=CMY/RGB, Mode 2=Reduced CMY/RGB, Mode 3=Five colours (R,G,B,A,Lime Green)

Mode 4= Mode 1+ Gobo module, Mode 5=Mode 2+Gobo module, Mode 6=Mode 3+Gobo module

Quick overview of default DMX values for each channel

Mode/channel						Default DMX Value	Function
1	2	3	4	5	6		
1	1	1	1	1	1	128	Pan
2	2	2	2	2	2	0	Pan Fine
3	3	3	3	3	3	128	Tilt
4	4	4	4	4	4	0	Tilt fine
5	5	5	5	5	5	0	Pan/Tilt speed , Pan/Tilt time
6	6	6	6	6	6	0	Power/Special functions
7	*	7	7	*	7	10	LED frequency selection
8	*	8	8	*	8	128	LED frequency fine adjusting
9	7	9	9	7	9	0	Colour functions
10	8	10	10	8	10	0	CRI selection
11	*	11	11	*	11	0	Virtual colour wheel
12	9	*	12	9	*	0/255	Cyan/Red (8 bit) (0=default for CMY mode, 255=default for RGB mode)
13	*	*	13	*	*	0/255	Cyan/Red (16 bit) (0=default for CMY mode, 255=default for RGB mode)
14	10	*	14	10	*	0/255	Magenta/Green (8 bit) (0=default for CMY mode, 255=default for RGB mode)
15	*	*	15	*	*	0/255	Magenta/Green (16 bit) (0=default for CMY mode, 255=default for RGB mode)
16	11	*	16	11	*	0/255	Yellow/Blue (8 bit) (0=default for CMY mode, 255=default for RGB mode)
17	*	*	17	*	*	0/255	Yellow/Blue (16 bit) (0=default for CMY mode, 255=default for RGB mode)
*	*	12	*	*	12	255	Red (8 bit)
*	*	13	*	*	13	255	Red (16bit)
*	*	14	*	*	14	255	Green (8 bit)
*	*	15	*	*	15	255	Green (16bit)
*	*	16	*	*	16	255	Blue (8 bit)
*	*	17	*	*	17	255	Blue (16bit)
*	*	18	*	*	18	255	Amber (8 bit)
*	*	19	*	*	19	255	Amber (16bit)
*	*	20	*	*	20	255	Lime (8 bit)
*	*	21	*	*	21	255	Lime (16bit)
18	12	22	18	12	22	110	CTO
19	*	23	19	*	23	128	Green correction
20	*	24	20	*	24	0	Colour mix control
21	*	25	21	*	25	0	Stat. gobo/Rot. Gobo carousel/Framing shutters/Zoom/Focus/Frost time
*	*	*	22	13	26	0	Effect wheel positioning
*	*	*	23	14	27	128	Effect wheel rotation
*	*	*	24	*	28	0	Effect wheel animations
*	*	*	25	15	29	0	Static gobo wheel
*	*	*	26	16	30	0	Rotating gobo wheel
*	*	*	27	17	31	0	Rot. Gobo wheel -fine positioning
*	*	*	28	18	32	128	Rot. gobo indexing and rotation
*	*	*	29	*	33	0	Rot. gobo indexing/rotation - fine
22	13	26	30	19	34	0	Frost
23	14	27	31	20	35	0	Iris
24	*	28	32	*	36	0	Iris - fine
25	15	29	33	21	37	128	Zoom

DMX protocol

Mode/channel						Default DMX Value	Function	
1	2	3	4	5	6			
26	*	30	34	*	38	0	Zoom - fine	
27	16	31	35	22	39	128	Focus	
28	*	32	36	*	40	0	Focus - fine	
29	17	33	37	23	41	128	Framing shutters module rotation	
30	18	34	38	24	42	0	Framing shutter 1- movement	
31	19	35	39	25	43	128	Framing shutter 1- swivelling	
32	20	36	40	26	44	0	Framing shutter 2- movement	
33	21	37	41	27	45	128	Framing shutter 2- swivelling	
34	22	38	42	28	46	0	Framing shutter 3 movement	
35	23	39	43	29	47	128	Framing shutter 3- swivelling	
36	24	40	44	30	48	0	Framing shutter 4 movement	
37	25	41	45	31	49	128	Framing shutter 4- swivelling	
38	26	42	46	32	50	32	Shutter/ strobe	
39	27	43	47	33	51	0	Dimmer intensity	
40	*	44	48	*	52	0	Dimmer intensity - fine	
Mode/channel						DMX Value	Function	Type of control
1	2	3	4	5	6			
1	1	1	1	1	1		Pan	
						0 - 255	Pan movement by 540° (128=default)	proportional
2	2	2	2	2	2		Pan Fine	
						0 - 255	Fine control of pan movement (0=default)	proportional
3	3	3	3	3	3		Tilt	
						0 - 255	Tilt movement by 270° (128=default)	proportional
4	4	4	4	4	4		Tilt fine	
						0 - 255	Fine control of tilt movement (0=default)	proportional
5	5	5	5	5	5		Pan/Tilt speed , Pan/Tilt time	
						0	Standard mode (0=default)	step
						1	Max. Speed Mode	step
							Pan/Tilt speed mode	
						2 - 255	Speed from max. to min.	proportional
							Pan/Tilt time mode	
						2 - 255	Time from 0.2 sec. to 25.5 sec.	proportional
6	6	6	6	6	6		Power/Special functions	
							Factory display menu setting: DMX Input-Wired ,Graphic display-On, Pan/tilt Mode-Speed,Blackout while pan/tilt moving-Off, Blackout while gobo wheel moving-Off, Fans mode-Auto, Dimmer Curve- Square law	
						0 -9	Reserved (0=default)	
							To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 sec. („Shutter,Strobe” channel 38/26/42/46/32/50 must be at range: 0-31 DMX). Corresponding menu items are temporarily overridden.	
						10-14	DMX input: Wired DMX *	step
						15-19	DMX input: Wireless DMX *	step
							* function is active only 10 seconds after switching the fixture on	
						20-24	Graphic display: On	step
						25-29	Graphic display: Off	step

DMX protocol

Mode/channel						DMX Value	Function	Type of control
1	2	3	4	5	6			
						30-34	Focus Tracking: On	step
						35-39	Focus Tracking: Off	step
						40-44	Pan/Tilt mode: Speed	step
						45-49	Pan/Tilt mode: Time	step
						50-54	Blackout while pan/tilt moving: On	step
						55-59	Blackout while pan/tilt moving: Off	step
						60-64	Blackout while gobo wheel moving: On	step
						65-69	Blackout while gobo wheel moving: Off	step
						70-74	Fans mode: Auto	step
						75-79	Fans mode: High	step
						80-84	Quiet mode: Fans On at blackout	step
						85-89	Quiet mode: Fans Off at blackout	step
						90-119	Reserved	
						120-124	Parking position On	step
						125-129	Parking position Off	step
							<i>To activate following functions, stop in DMX value for at least 3 seconds. Brake options (130-137 DMX) and Cue options (138-143 DMX) are permanently saved to fixture memory and corresponding menu items are overridden</i>	
						130-131	Optics Brake On	step
						132-133	Optics Brake Off	step
						134-135	Pan/Tilt Brake On	step
						136-137	Pan/Tilt Brake Off	step
						138-139	Cue Playback - saving current DMX values	step
						140-141	Preset Cue playback On - fixture plays the Cue automatically after every switching On	step
						142-143	Preset Cue playback Off - fixture listens to DMX, but only this channel and DMX values 142-143	step
						144-164	Reserved	
						165 - 169	Fixture reset (without pan/tilt)	step
						170 - 174	Pan/Tilt reset	step
						175 - 179	Gobo wheels/effect wheel reset	step
						180 - 189	Zoom/focus/frost reset	step
						190 - 199	Iris/framing shutters reset	step
						200 - 209	Total fixture reset (with pan/tilt)	step
						210 - 218	Reserved	
							The following three commands define transition from gobo rotation to gobo indexing:	
						219 - 220	Gobo indexing: Maximum speed and shortcut	step
						221 - 222	Gobo indexing: Follow speed and direction	step
						223 - 224	Gobo indexing: Maximum speed and follow direction	step
							The following RoboSpot related commands are only applicable when the RoboSpot is connected:	
						225 - 229	RoboSpot enabled	step
						230 - 234	RoboSpot disabled - except handle faders and pan/tilt	step
						235 - 239	RoboSpot fully disabled	step
						240	Disabled "Quiet mode"	step
						241 - 255	Quiet mode - fan noise control from min. to max.	proportional
7	*	7	7	*	7		LED frequency selection	

DMX protocol

Mode/channel						DMX Value	Function	Type of control
1	2	3	4	5	6			
							Factory display menu setting: 600Hz <i>Select PWM output frequency of LEDs. Selected PWM frequency can be fine adjusted in 127 steps up/down around selected PWM frequency on the channel below. Corresponding menu item (Frequency Setup) is temporarily overridden.</i>	
						0-4	PWM frequency from Display menu (fixture utilizes PWM frequency set in the display menu item Frequency Setup).	step
						5-9	300 Hz	step
						10-14	600 Hz (10=default)	step
						15-19	1200 Hz	step
						20-24	2400 Hz	step
						25-29	High	step
						30-255	Reserved (fixture utilizes PWM frequency set in the display menu item Frequency Setup).	
8	*	8	8	*	8		LED frequency fine adjusting Factory display menu setting: 600Hz <i>Select desired PWM output frequency of LEDs on the channel above.</i>	
						0-1	Selected LED Frequency	step
						2	LED Frequency (step -126)	step
						3	LED Frequency (step -125)	step
						4	LED Frequency (step -124)	step
						:		
						125	LED Frequency (step -3)	step
						126	LED Frequency (step -2)	step
						127	LED Frequency (step -1)	step
						128	Selected LED Frequency (128=default)	step
						129	LED Frequency (step +1)	step
						130	LED Frequency (step +2)	step
						131	LED Frequency (step +3)	step
						:		
						252	LED Frequency (step +124)	step
						253	LED Frequency (step +125)	step
						254	LED Frequency (step +126)	step
						255	Selected LED Frequency	step
9	7	9	9	7	9		Colour functions Factory display menu setting: Colour mixing mode-CMY, Dimmer Curve-Square Law, Tungsten effect simulation-Off, Chromatic white-Off, Light output stability-Off, Uniformity-Off	
						0	No function (0=default) <i>To activate following functions, stop in DMX value for at least 3 seconds. Corresponding menu items are temporarily overridden</i>	step
						1-39	Reserved	
						40-44	Colour mixing mode: CMY (DMX Mode 1 , 2, 4, 5 only)	step
						45-49	Colour mixing mode: RGB (DMX mode 1, 2, 4, 5), RGBAL (DMX mode 3, 6)	step
						50-54	Dimmer curve: Square law	step
						55-59	Dimmer curve: Linear	step
						60-64	Dimmer curve: Super square law	step
						65-79	Raw DMX	proportional
							<i>Tungsten effect simulation for whites 2700K-4200K only:</i>	
						80-84	Tungsten effect simulation (750W/80V): On	step

DMX protocol

Mode/channel						DMX Value	Function	Type of control
1	2	3	4	5	6			
						85-89	Tungsten effect simulation (1000W/240V): On	step
						90-94	Tungsten effect simulation (1200W/240V): On	step
						95-99	Tungsten effect simulation (2000W/230V): On	step
						100-104	Tungsten effect simulation (2500W/230V): On	step
						105-109	Tungsten effect simulation: Off	step
						110-114	Save user colour (see user manual, chapter Colour influencing functions)	step
						115-119	Chromatic white: On	step
						120-124	Chromatic white: Off	step
						125-129	Light output stability On	step
						130-134	Light output stability Off	step
						135-139	Uniformity On	step
						140-144	Uniformity Off	step
						145-255	Reserved	
10	8	10	10	8	10		CRI selection	
						0-255	CRI selection from Standard (85) to High (90+) (0=default)	proportional
11	*	11	11	*	11		Virtual colour wheel	
						0	No function (0=default)	step
						1-2	Filter 4 (Medium Bastard Amber)	step
						3-4	Filter 10 (Medium Yellow)	step
						5-6	Filter 19 (Fire)	step
						7-8	Filter 26 (Bright Red)	step
						9-10	Filter 58 (Lavender)	step
						11-12	Filter 68 (Sky Blue)	step
						13-14	Filter 71 (Tokyo Blue)	step
						15-16	Filter 79 (Just Blue)	step
						17-18	Filter 88 (Lime Green)	step
						19-20	Filter 90 (Dark Yellow Green)	step
						21-22	Filter 100 (Spring Yellow)	step
						23-24	Filter 101 (Yellow)	step
						25-26	Filter 102 (Light Amber)	step
						27-28	Filter 103 (Straw)	step
						29-30	Filter 104 (Deep Amber)	step
						31-32	Filter 105 (Orange)	step
						33-34	Filter 106 (Primary Red)	step
						35-36	Filter 111 (Dark Pink)	step
						37-38	Filter 115 (Peacock Blue)	step
						39-40	Filter 116 (Medium Blue-Green)	step
						41-42	Filter 117 (Steel Blue)	step
						43-44	Filter 118 (Light Blue)	step
						45-46	Filter 119 (Dark Blue)	step
						47-48	Filter 120 (Deep Blue)	step
						49-50	Filter 121 (Filter Green)	step
						51-52	Filter 128 (Bright Pink)	step
						53-54	Filter 131 (Marine Blue)	step
						55-56	Filter 132 (Medium Blue)	step
						57-58	Filter 134 (Golden Amber)	step
						59-60	Filter 135 (Deep Golden Amber)	step
						61-62	Filter 136 (Pale Lavender)	step

DMX protocol

Mode/channel						DMX Value	Function	Type of control
1	2	3	4	5	6			
						63-64	Filter 137 (Special Lavender)	step
						65-66	Filter 138 (Pale Green)	step
						67-68	Filter 139 (Primary Green)	step
						69-70	Filter 141 (Bright Blue)	step
						71-72	Filter 147 (Apricot)	step
						73-74	Filter 148 (Bright Rose)	step
						75-76	Filter 152 (Pale Gold)	step
						77-78	Filter 154 (Pale Rose)	step
						79-80	Filter 157 (Pink)	step
						81-82	Filter 158 (Deep Orange)	step
						83-84	Filter 162 (Bastard Amber)	step
						85-86	Filter 164 (Flame Red)	step
						87-88	Filter 165 (Daylight Blue)	step
						89-90	Filter 169 (Lilac Tint)	step
						91-92	Filter 170 (Deep Lavender)	step
						93-94	Filter 172 (Lagoon Blue)	step
						95-96	Filter 179 (Chrome Orange)	step
						97-98	Filter 180 (Dark Lavender)	step
						99-100	Filter 181 (Congo Blue)	step
						101-102	Filter 197 (Alice Blue)	step
						103-104	Filter 201 (Full C.T. Blue)	step
						105-106	Filter 202 (Half C.T. Blue)	step
						107-108	Filter 203 (Quarter C.T. Blue)	step
						109-110	Filter 204 (Full C.T. Orange)	step
						111-112	Filter 205 (Half C.T. Orange)	step
						113-114	Filter 206 (Quarter C.T. Orange)	step
						115-116	Filter 247 (Filter Minus Green)	step
						117-118	Filter 248 (Half Minus Green)	step
						119-120	Filter 281 (Three Quarter C.T. Blue)	step
						121-122	Filter 285 (Three Quarter C.T. Orange)	step
						123-124	Filter 352 (Glacier Blue)	step
						125-126	Filter 353 (Lighter Blue)	step
						127-128	Filter 715 (Cabana Blue)	step
						129-130	Filter 778 (Millennium Gold)	step
						131-132	Filter 793 (Vanity Fair)	step
						133-215	Reserved	
						216-217	User colour 1	step
						218-219	User colour 2	step
						220-221	User colour 3	step
						222-223	User colour 4	step
						224-225	User colour 5	step
						226-227	User colour 6	step
						228-229	User colour 7	step
						230-231	User colour 8	step
						232-233	User colour 9	step
						234-235	User colour 10	step
						236-245	Rainbow effect (with fade time) from slow-> fast	proportional
						246-255	Rainbow effect (without fade time) from slow-> fast	proportional

DMX protocol

Mode/channel						DMX Value	Function	Type of control
1	2	3	4	5	6			
12	9	*	12	9	*	0 - 255	Cyan/Red (8 bit)	proportional
							Colour saturation control - coarse 0-100% (0=default for CMY mode, 255=default for RGB mode)	
13	*	*	13	*	*	0 - 255	Cyan/Red (16 bit)	proportional
							Colour saturation control - fine (0=default for CMY mode, 255=default for RGB mode)	
14	10	*	14	10	*	0 - 255	Magenta/Green (8 bit)	proportional
							Colour saturation control - coarse 0-100% (0=default for CMY mode, 255=default for RGB mode)	
15	*	*	15	*	*	0 - 255	Magenta/Green (16 bit)	proportional
							Colour saturation control - fine (0=default for CMY mode, 255=default for RGB mode)	
16	11	*	16	11	*	0 - 255	Yellow/Blue (8 bit)	proportional
							Colour saturation control - coarse 0-100% (0=default for CMY mode, 255=default for RGB mode)	
17	*	*	17	*	*	0 - 255	Yellow/Blue (16 bit)	proportional
							Colour saturation control - fine (0=default for CMY mode, 255=default for RGB mode)	
*	*	12	*	*	12	0 - 255	Red (8 bit)	proportional
							Colour saturation control - coarse 0-100% (255=default)	
*	*	13	*	*	13	0 - 255	Red (16bit)	proportional
							Colour saturation control - fine (255=default)	
*	*	14	*	*	14	0 - 255	Green (8 bit)	proportional
							Colour saturation control - coarse 0-100% (255=default)	
*	*	15	*	*	15	0 - 255	Green (16bit)	proportional
							Colour saturation control - fine (255=default)	
*	*	16	*	*	16	0 - 255	Blue (8 bit)	proportional
							Colour saturation control - coarse 0-100% (255=default)	
*	*	17	*	*	17	0 - 255	Blue (16bit)	proportional
							Colour saturation control - fine (255=default)	
*	*	18	*	*	18	0 - 255	Amber (8 bit)	proportional
							Colour saturation control - coarse 0-100% (255=default)	
*	*	19	*	*	19	0 - 255	Amber (16bit)	proportional
							Colour saturation control - fine (255=default)	
*	*	20	*	*	20	0 - 255	Lime (8 bit)	proportional
							Colour saturation control - coarse 0-100% (255=default)	
*	*	21	*	*	21	0 - 255	Lime (16bit)	proportional
							colour saturation control - fine (255=default)	
18	12	22	18	12	22	0-1 2-64 65 66-109 110 111-179 180 181-229 230 231-254	CTO	step proportional step proportional step proportional step proportional step proportional
							8000 K	
							Colour temperature changing 7978 K ->6622 K (22 K /1 DMX)	
							6600 K	
							Colour temperature changing 6578 K ->5622 K (22 K/1 DMX)	
							5600 K (110=default)	
							Colour temperature changing 5580 K ->4220 K (20 K/1 DMX)	
							4200 K	
							Colour temperature changing 4180 K ->3220 K (20 K/1 DMX)	
							3200 K	
							Colour temperature changing 3180 K ->2720 K (20K /1 DMX)	

DMX protocol

Mode/channel						DMX Value	Function	Type of control
1	2	3	4	5	6			
						255	2700K	step
19	*	23	19	*	23		Green correction	
						0	Uncorrected white	step
						1-127	Minus green --> uncorrected white	proportional
						128	Uncorrected white (128=default)	step
						129-255	Uncorrected white --> Plus green	proportional
20	*	24	20	*	24		Colour mix control	
							<i>Defines relation between Virtual Colour wheel and colour channels</i>	
							"Virtual" = Virtual Colour Wheel	
							"Colour mix" = Colour channels (CMY/RGBALight Green/CTO)	
						0-9	"Virtual " has priority over "Colour mix" (0=default)	
						10-19	Maximum mode (highest values have priority)	step
						20-29	Minimum mode (lowest values have priority)	step
						30-39	Multiply mode (multiply "Virtual" and "Colour mix")	step
						40-49	Addition mode ("Virtual" + "Colour mix")	step
						50-59	Subtraction mode ("Virtual" – "Colour mix")	step
						60-69	Inverted Subtraction mode ("Colour mix" - "Virtual")	step
						70-79	White Point Off (CTO+Green Cor.+Virtual Colour Wheel deactivated)	step
						80-128	Reserved	
						129	Crossfade "Virtual" only	step
						130-254	Crossfade between "Virtual" and "Colour mix"	proportional
						255	Crossfade "Colour mix" only	step
21	*	25	21	*	25		Stat. gobo/Rot. Gobo carousel/Framing shutters/Zoom/Focus/Frost time	
						0	Function is off (0=default)	step
						1-255	Time of stat. Gobo and rot. Gobo carousel movement (0.1 sec-->25.5 sec.)	proportional
						1 - 255	Time of framing shutters, zoom, focus and frost movement (0.1 sec-->25.5 sec.)	proportional
*	*	*	22	13	26		Effect wheel positioning	
						0-19	No function (0=default)	step
						20-127	Proportional indexing (73-center)	proportional
						128-170	Ramping from open to full position (max--->min. speed)	proportional
						171-213	Ramping from open to half position (max. --->min. speed)	proportional
						214-255	Ramp. from half position to full position (max. --->min. speed)	proportional
*	*	*	23	14	27		Effect wheel rotation	
						0	No rotation	step
						1 - 127	Forwards rotation from fast to slow	proportional
						128	No rotation (128=default)	step
						129 - 255	Backwards rotation from slow to fast	proportional
*	*	*	24	*	28		Effect wheel animations	
						0-7	No animation (0=default)	
							<i>Note : Set suitable DMX value at Focus channel to get desired animation. All animations were created at distance of 5 m from screen with zoom=88 DMX, Focus value is different for each effect (focus value is stated in parentheses for this distance)</i>	
							<i>The following channels are blocked: Effect wheel positioning, Effect wheel rotation, Rotating gobo wheel, Rot. Gobo indexing and rotation.</i>	
						8-9	Macro 1 (Focus=170)	step
						10-11	Macro 2 (Focus=160)	step

DMX protocol

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1	2	3	4	5	6			
						12-13	Macro 3 (Focus=172)	step
						14-15	Macro 4 (Focus=172)	step
						16-17	Macro 5 (Focus=174)	step
						18-19	Macro 6 (Focus=173)	step
						20-21	Macro 7 (Focus=181)	step
						22-23	Macro 8 (Focus=174)	step
						24-25	Macro 9 (Focus=174)	step
						26-27	Macro 10 (Focus=180)	step
						28-255	Reserved	
*	*	*	25	15	29		Static gobo wheel	
						0-8	Open/hole (0=default)	step
						9-17	Gobo 1	step
						18-26	Gobo 2	step
						27-35	Gobo 3	step
						36-44	Gobo 4	step
						45-53	Gobo 5	step
						54-62	Gobo 6	step
						63-71	Gobo 7	step
						72-80	Gobo 8	step
						81-91	Gobo 9	step
							<u>Shaking gobos from slow to fast</u>	
						92-103	Gobo 1	proportional
						104-115	Gobo 2	proportional
						116-127	Gobo 3	proportional
						128-139	Gobo 4	proportional
						140-151	Gobo 5	proportional
						152-163	Gobo 6	proportional
						164-175	Gobo 7	proportional
						176-187	Gobo 8	proportional
						188-199	Gobo 9	proportional
						200 - 201	Open/hole	step
						202 - 222	Forwards gobo wheel rotation from fast to slow	proportional
						223 - 243	Backwards gobo wheel rotation from slow to fast	proportional
						244 - 249	Random gobo selection by audio control	step
							<i>(Set microphone sensitivity in menu „Personality“)</i>	
						250 - 255	Auto random gobo selection from fast to slow	proportional
*	*	*	26	16	30		Rotating gobo wheel	
							<i>Index - set indexing on channel 28/18/32</i>	
						0-3	Open/hole (0=default)	step
						4-7	Gobo 1	step
						8-11	Gobo 2	step
						12-15	Gobo 3	step
						16-19	Gobo 4	step
						20-23	Gobo 5	step
						24-27	Gobo 6	step
						28-31	Gobo 7	step
							<i>Rotation - set rotation on channel 28/18/32</i>	
						32-35	Gobo 1	step

DMX protocol

Mode/channel						DMX Value	Function	Type of control
1	2	3	4	5	6			
						36-39	Gobo 2	step
						40-43	Gobo 3	step
						44-47	Gobo 4	step
						48-51	Gobo 5	step
						52-55	Gobo 6	step
						56-59	Gobo 7	step
							Continual positioning	
							<i>Index - set indexing on channel 28/18/32</i>	
						60	Open/hole	proportional
						68	Gobo 1	proportional
						76	Gobo 2	proportional
						84	Gobo 3	proportional
						92	Gobo 4	proportional
						100	Gobo 5	proportional
						108	Gobo 6	proportional
						116	Gobo 7	proportional
						124	Open/hole	proportional
							Continual positioning	
							<i>Rotation - set rotation on channel 28/18/32</i>	
						125	Open/hole	proportional
						133	Gobo 1	proportional
						141	Gobo 2	proportional
						149	Gobo 3	proportional
						157	Gobo 4	proportional
						165	Gobo 5	proportional
						173	Gobo 6	proportional
						181	Gobo 7	proportional
						189	Open/hole	proportional
						190-201	Open/hole	step
						202 - 222	Forwards gobo wheel rotation from fast to slow	proportional
						223 - 243	Backwards gobo wheel rotation from slow to fast	proportional
						244 - 249	Random gobo selection by audio control	step
							(Set microphone sensitivity in menu „Personality“)	
						250 - 255	Auto random gobo selection from fast to slow	proportional
*	*	*	27	17	31		Rotating gobo wheel - fine positioning	
						0 - 255	Fine positioning (0=default)	proportional
*	*	*	28	18	32		Rot. gobo indexing and rotation	
							<i>Gobo indexing - set position on channel 26/16/30</i>	
						0 - 255	Gobo indexing	proportional
							<i>Gobo rotation - set position on channel 26/16/30</i>	
						0	No rotation	step
						1 - 127	Forwards gobo rotation from fast to slow	proportional
						128	No rotation (128=default)	step
						129 - 255	Backwards gobo rotation from slow to fast	proportional
*	*	*	29	*	33		Rot. gobo indexing/rotation - fine	
						0-255	Fine indexing/rotation (0=default)	proportional
22	13	26	30	19	34		Frost	
						0	Open (0=default)	step

DMX protocol

Mode/channel						DMX Value	Function	Type of control
1	2	3	4	5	6			
							Light Frost	
						1-50	Light Frost from 0% to 100%	proportional
						51-53	100% Light Frost	step
						54-63	Pulse closing from slow to fast	proportional
						64-73	Pulse opening from fast to slow	proportional
						74-83	Ramping from fast to slow	proportional
						84-86	Open	step
							Medium Frost	
						87-136	Medium Frost from 0% to 100%	proportional
						137-139	100% Medium Frost	step
						140-149	Pulse closing from slow to fast	proportional
						150-159	Pulse opening from fast to slow	proportional
						160-169	Ramping from fast to slow	proportional
						170-172	Open	step
							Combined Frost	
						173-222	Medium Frost from 0% to 100% (Light Frost inserted)	proportional
						223-225	100% Medium Frost (Light Frost inserted)	step
						226-235	Pulse closing from slow to fast	proportional
						236-245	Pulse opening from fast to slow	proportional
						246-255	Ramping from fast to slow	proportional
23	14	27	31	20	35		Iris	
						0	Open (0=default)	step
						1 - 179	From max.diameter to min.diameter	proportional
						180 - 191	Closed	step
							Pulse effects with Iris blackout	
						192 - 219	Pulse opening from slow to fast	proportional
						220 - 247	Pulse closing from fast to slow	proportional
						248 - 249	Random pulse opening (fast)	step
						250 - 251	Random pulse opening (slow)	step
						252 - 253	Random pulse closing (fast)	step
						254 - 255	Random pulse closing (slow)	step
24	*	28	32	*	36		Iris - fine	
						0 - 255	Fine iris movement (0=default)	proportional
25	15	29	33	21	37		Zoom	
						0 - 255	Zoom from max. to min.beam angle (128=default)	proportional
26	*	30	34	*	38		Zoom - fine	
						0-255	Fine zooming (0=default)	proportional
27	16	31	35	22	39		Focus	
						0 - 255	Continuous adjustment from far to near (128=default)	proportional
28	*	32	36	*	40		Focus - fine	
						0- 255	Fine focusing (0=default)	proportional
29	17	33	37	23	41		Framing shutters module rotation	
						0-127	Rotation from right (0°) to 60°	proportional
						128	Center (128=default)	step
						129-255	Rotation from 60° to left (120°)	proportional
30	18	34	38	24	42		Framing shutter 1- movement	
						0-255	Movement from Outward to Inward (0=default)	proportional
31	19	35	39	25	43		Framing shutter 1- swivelling	

DMX protocol

Mode/channel						DMX Value	Function	Type of control
1	2	3	4	5	6			
						0-127	Swivelling towards 0 degrees	proportional
						128	0 degrees (128=default)	step
						129-255	Swivelling from 0 degrees	proportional
32	20	36	40	26	44		Framing shutter 2- movement	
						0-255	Movement from Outward to Inward (0=default)	proportional
33	21	37	41	27	45		Framing shutter 2- swivelling	
						0-127	Swivelling towards 0 degrees	proportional
						128	0 degrees (128=default)	step
						129-255	Swivelling from 0 degrees	proportional
34	22	37	42	28	46		Framing shutter 3 movement	
						0-255	Movement from Outward to Inward (0=default)	proportional
35	23	39	43	29	47		Framing shutter 3- swivelling	
						0-127	Swivelling towards 0 degrees	proportional
						128	0 degrees (128=default)	step
						129-255	Swivelling from 0 degrees	proportional
36	24	40	44	30	48		Framing shutter 4 movement	
						0-255	Movement from Outward to Inward (0=default)	proportional
37	25	41	45	31	49		Framing shutter 4- swivelling	
						0-127	Swivelling towards 0 degrees	proportional
						128	0 degrees (128=default)	step
						129-255	Swivelling from 0 degrees	proportional
38	26	42	46	32	50		Shutter/ strobe	
						0 - 31	Shutter closed	step
						32 - 63	Shutter open (32=default)	step
						64 - 95	Strobe-effect from slow to fast	proportional
						96 - 127	Shutter open	step
						128 - 143	Opening pulse in sequences from slow to fast	proportional
						144 - 159	Closing pulse in sequences from fast to slow	proportional
						160 - 191	Shutter open	step
						192 - 223	Random strobe-effect from slow to fast	proportional
						224 - 255	Shutter open	step
39	27	43	47	33	51		Dimmer intensity	
						0 - 255	Dimmer intensity from 0% to 100% (0=default)	proportional
40	*	44	48	*	52		Dimmer intensity - fine	
						0 - 255	Fine dimming (0=default)	proportional
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TX1 PosiProfile - Colours on Virtual Colour Wheel					
Colour name	Red DMX	Green DMX	Blue DMX	Amber DMX	Lime DMX
Filter 4 (Medium Bastard Amber)	255	47	7	255	80
Filter 10 (Medium Yellow)	255	65	0	255	132
Filter 19 (Fire)	255	0	0	186	1
Filter 26 (Bright Red)	255	0	0	25	0
Filter 58 (Lavender)	255	0	68	255	44
Filter 68 (Sky Blue)	132	190	159	0	36
Filter 71 (Tokyo Blue)	0	0	255	0	0
Filter 79 (Just Blue)	123	147	171	0	56
Filter 88 (Lime Green)	255	237	2	198	185
Filter 90 (Dark Yellow Green)	0	255	2	0	169
Filter 100 (Spring Yellow)	255	0	0	255	223
Filter 101 (Yellow)	255	0	0	255	157
Filter 102 (Light Amber)	255	142	4	255	73
Filter 103 (Straw)	255	138	4	255	97
Filter 104 (Deep Amber)	255	0	0	255	124
Filter 105 (Orange)	255	0	0	255	60
Filter 106 (Primary Red)	255	0	0	104	0
Filter 111 (Dark Pink)	255	0	11	255	59
Filter 115 (Peacock Blue)	0	255	31	0	72
Filter 116 (Medium Blue-Green)	0	255	20	0	63
Filter 117 (Steel Blue)	45	255	42	158	183
Filter 118 (Light Blue)	4	255	37	0	77
Filter 119 (Dark Blue)	0	165	118	0	0
Filter 120 (Deep Blue)	3	165	111	0	0
Filter 121 (Filter Green)	84	255	0	235	24
Filter 128 (Bright Pink)	255	0	10	127	0
Filter 131 (Marine Blue)	0	255	75	51	116
Filter 132 (Medium Blue)	0	255	102	0	42
Filter 134 (Golden Amber)	255	51	0	255	42
Filter 135 (Deep Golden Amber)	255	35	0	255	0
Filter 136 (Pale Lavender)	184	7	51	255	60
Filter 137 (Special Lavender)	231	63	43	255	99
Filter 138 (Pale Green)	255	224	6	255	200
Filter 139 (Primary Green)	0	255	0	0	84
Filter 141 (Bright Blue)	0	255	77	0	82
Filter 147 (Apricot)	255	0	4	255	115
Filter 148 (Bright Rose)	255	0	7	255	13
Filter 152 (Pale Gold)	255	0	11	255	112
Filter 154 (Pale Rose)	255	0	16	255	119
Filter 157 (Pink)	255	0	7	255	27
Filter 158 (Deep Orange)	255	0	0	255	30
Filter 162 (Bastard Amber)	255	175	7	255	50
Filter 164 (Flame Red)	255	0	0	142	0
Filter 165 (Daylight Blue)	12	255	158	3	156
Filter 169 (Lilac Tint)	255	12	27	255	61
Filter 170 (Deep Lavender)	255	0	65	255	90
Filter 172 (Lagoon Blue)	0	238	113	0	255

Colour name	Red DMX	Green DMX	Blue DMX	Amber DMX	Lime DMX
Filter 179 (Chrome Orange)	255	0	0	255	112
Filter 180 (Dark Lavender)	92	15	188	76	46
Filter 181 (Congo Blue)	185	0	214	0	0
Filter 197 (Alice Blue)	0	249	163	39	0
Filter 201 (Full C.T. Blue)	38	150	97	36	246
Filter 202 (Half C.T. Blue)	164	13	123	34	255
Filter 203 (Quarter C.T. Blue)	255	203	54	104	255
Filter 204 (Full C.T. Orange)	255	125	0	255	4
Filter 205 (Half C.T. Orange)	255	139	5	255	67
Filter 206 (Quarter C.T. Orange)	255	60	17	255	98
Filter 247 (Filter Minus Green)	255	28	36	255	56
Filter 248 (Half Minus Green)	255	20	45	255	200
Filter 281 (Three Quarter C.T. Blue)	38	255	102	136	227
Filter 285 (Three Quarter C.T. Orange)	255	0	0	255	121
Filter 352 (Glacier Blue)	16	255	119	5	149
Filter 353 (Lighter Blue)	14	255	66	0	157
Filter 715 (Cabana Blue)	0	222	182	0	0
Filter 778 (Millennium Gold)	255	0	0	255	37
Filter 793 (Vanity Fair)	255	0	26	171	0