

CHANNEL	VALUE	DEFAULT	FUNCTION
	240-255		Open - No Gobo
25	0-65535 0-32756 32757-32780 32781-65535	32767	VLFX (Gobo Wheel 3) Rotate/Index High Byte Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
26	0-65535 0-32756 32757-32780 32781-65535	32767	VLFX (Gobo Wheel 3) Rotate/Index Low Byte Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
27	0-255 0-5 6-10 11-20 21-50 51-60 61-90 91-120 121-150 151-180 181-210 211-255	0	VLFX (Gobo Wheel 3) Control Gobo Selection using shortest (quickest) path. Gobo Selection using normal (longest) path. Reserved Values Wheel Spin CW Forward (Fast to Slow) Wheel Spin STOP Wheel Spin CCW Reverse (Slow to Fast) Gobo Shake Quickest Path (Slow to Fast) For fastest shake set gobo timing to 0 Gobo Shake Normal Path (Slow to Fast) For fastest shake set gobo timing to 0 Gobo Twist Quickest Path (Slow to Fast) For fastest twist set gobo timing to 0 Gobo Twist Normal Path (Slow to Fast) For fastest twist set gobo timing to 0 Reserved Values
28	0-255 0-200 201-255	0	Iris Iris beam size open to closed Iris pulse slow to fast
29	0-255	0	Frame 1A Controls Framing Shutter 1A from Open (DMX 0) to Full (DMX 255)
30	0-255	0	Frame 1B Controls Framing Shutter 1B from Open (DMX 0) to Full (DMX 255)
31	0-255	0	Frame 2A Controls Framing Shutter 2A from Open (DMX 0) to Full (DMX 255)
32	0-255	0	Frame 2B Controls Framing Shutter 2B from Open (DMX 0) to Full (DMX 255)
33	0-255	0	Frame 3A Controls Framing Shutter 3A from Open (DMX 0) to

CHANNEL	VALUE	DEFAULT	FUNCTION
			Full (DMX 255)
34	0-255	0	Frame 3B Controls Framing Shutter 3B from Open (DMX 0) to Full (DMX 255)
35	0-255	0	Frame 4A Controls Framing Shutter 4A from Open (DMX 0) to Full (DMX 255)
36	0-255	0	Frame 4B Controls Framing Shutter 4B from Open (DMX 0) to Full (DMX 255)
37	0-255	128	Frame Rotate Controls Framing Shutter mechanism from +/- 60°
38	0-255 0-5 6-10 11-15 16-20 21-255	0-255	Prism 1 (Triangular) Open Index Rotate Normal Rotate with Mega Stepping Reserved Values
39	0-65535 0-32756 32757-32780 32781-65535	32767	Prism 1 Index/Rotate High Byte Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
40	0-65535 0-32756 32757-32780 32781-65535	32767	Prism 1 Index/Rotate Low Byte Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
41	0-255 0-5 6-10 11-15 16-20 21-255	0-255	Prism 2 (Flat) Open Index Rotate Normal Rotate with Mega Stepping Reserved Values
42	0-65535 0-32756 32757-32780 32781-65535	32767	Prism 2 Index/Rotate High Byte Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
43	0-65535 0-32756 32757-32780 32781-65535	32767	Prism 2 Index/Rotate Low Byte Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
44	0-255 0-10	0	Frost No Frost

CHANNEL	VALUE	DEFAULT	FUNCTION
	171-175 176-255		Reserved Values Reserved Values
48	0-255	255	Focus Timing Adjustment of fixture timing to control Pan/Tilt mechanisms. See Timing Channel Chart in User Manual
49	0-255	255	Optics Timing Adjustment of fixture timing to control lensing mechanisms. See Timing Channel Chart in User Manual
50	000-255	255	Color Timing Adjustment of fixture timing to control color mechanisms. See Timing Channel Chart in User Manual
51	0-255	255	Beam Timing Adjustment of fixture timing to control beam shaping mechanisms. See Timing Channel Chart in User Manual
52	0-255	255	Gobo Timing Adjustment of fixture timing to control gobo mechanisms. See Timing Channel Chart in User Manual
53	0-255 0-4 5-255	0	Fan Control Automatic fan/output adjustment (Default) Linear control of fan speed and LED max output* DMX 5 = Highest Constant Fan Speed (Standard mode) DMX 255 = Lowest Constant Fan Speed (Whisper mode) *Standard mode only function is dec-activated if Studio or Boost modes are selected via Dmx or User Interface
54	0-255 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45	0	Luminaire Control Idle (Default) Full Luminaire ReCal - Also Used to Wake fixture up from shutdown Fixture Shutdown ReBOOT Display - Menu ON Display - Menu OFF Reserved Values Reserved Values Reserved Values

CHANNEL	VALUE	DEFAULT	FUNCTION
	46-50		Reserved Values
	51-55		Reserved Values
	56-60		Reserved Values
	61-65		Reserved Values
	66-70		Reserved Values
	71-75		Reserved Values
	76-80		Reserved Values
	81-85		Reserved Values
	86-90		Status Check (Turn UI Screen Green if fixture has no Error - Red if Error)
	91-95		Side Hang Disable (Default)
	96-100		Side Hang activate
	101-105		Reserved Values
	106-110		Reserved Values
	111-115		Standard Mode (Default) - Variable fan channel active
	116-120		Studio Mode - Reduced output with lower fan settings variable Fan control
	121-125		Whisper Mode - Reduced output with lower fan settings variable Fan control
	126-130		Reserved Values
	131-135		Reserved Values
	136-140		Fan On (Default) (Continuous spin rate - max speed set buy output mode / ch44)
	141-145		Fan Auto (Fan spin rate set by LED temp - max speed set buy output mode / ch44)
	146-150		Reserved Values
	151-155		ReCal Position
	156-160		ReCal Color
	161-165		ReCal Beam
	166-170		ReCal Optics
	171-175		ReCal Gobo
	176-180		Reset fixture to default
	181-185		CTB Correction off (Default)
	186-190		CTB correction on
	191-195		Reserved values
	196-255		Reserved values

16Bit Channels Mode:

CHANNEL	VALUE	DEFAULT	FUNCTION
1	0-65535	0	Intensity High 16 Bit control of Dimming
2	0-65535	0	Intensity Low 16 Bit control of Dimming
3	0-65535	32767	Pan High 540° Total Pan Rotation
4	0-65535	32767	Pan Low 540° Total Pan Rotation
5	0-65535	32767	Tilt High 270° Total Tilt
6	0-65535	32767	Tilt Low 270° Total Tilt
7	0-65535	32767	Focus High Focus control, default value 50% focus range
8	0-65535	32767	Focus Low Focus control, default value 50% focus range
9	0-65535	32767	Zoom High Zoom control, default value 50% zoom range
10	0-65535	32767	Zoom Low Zoom control, default value 50% zoom range
11	0-255	0	Cyan Cyan Color Control 0-100% saturation
12	0-255	0	Yellow Yellow Color Control 0-100% saturation
13	0-255	0	Magenta Magenta Color Control 0-100% saturation
14	0-255	0	CTO Wheel CTO Color Control 0-100% saturation
15	0-255 0-30 31-60 61-90 91-120 121-180 181-255	0	Color Adjustment (Color Wheel 2) Open CRI Booster 1/4 Minus Green 1/2 Minus Green CTB Reserved
16	0-255 0-31 32-63 64-95 96-127 128-159	0	Color Wheel 1 Open VL RED Centre - 48 Dark Blue Centre - 80 Yellow Centre - 112 Kelly Green Centre - 144

CHANNEL	VALUE	DEFAULT	FUNCTION
	160-191 192-223 224-255		Amber Centre - 176 Congo Blue Centre - 208 Open
17	0-255 0-5 6-10 11-15 16-20 21-25 26-56 57-87 88-255	0	Color Wheel 1 Control Linear Movement using shortest (quickest) path. Linear Movement using normal (longest) path. Wheel Spin CW (Forward) Wheel Spin STOP Wheel Spin CCW (Reverse) Color Shake Quickest Path (Slow to Fast) For fastest shake set color timing to 0 Color Shake Normal Path (Slow to Fast) For fastest shake set color timing to 0 Reserved Values
18	0-255 0-20 21-41 42-62 63-83 84-104 105-125 126-146 147-167 168-188 189-209 210-230 231-255	0	Gobo Wheel 1 (Fixed) Open - No Gobo Gobo 1 Leafy Breakup Gobo 2 Medium Circle Gobo 3 Square Pile Gobo 4 Confusion Gobo 5 Dust Gobo 6 Neurons Gobo 7 Radial Breakup Gobo 8 Staples Gobo 9 Blobs Gobo 10 Pipes Breakup Open - No Gobo
19	0-255 0-5 6-10 11-20 21-50 51-60 61-90 91-120 121-150 151-180 181-210 211-255	0	Gobo Wheel 1 Control Gobo Selection using shortest (quickest) path. Gobo Selection using normal (longest) path. Reserved Values Wheel Spin CW Forward (Fast to Slow) Wheel Spin STOP Wheel Spin CCW Reverse (Slow to Fast) Gobo Shake Quickest Path (Slow to Fast) For fastest shake set gobo timing to 0 Gobo Shake Normal Path (Slow to Fast) For fastest shake set gobo timing to 0 Reserved Values Reserved Values Reserved Values
20	0-255 0-5	0	Gobo Wheel 2 Open - No Gobo

CHANNEL	VALUE	DEFAULT	FUNCTION
	6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75 76-80 81-85 86-90 91-95 96-100 101-105 106-110 111-115 116-120 121-255		Gobo 1 Night Sky Index Gobo 2 New Twirler Index Gobo 3 Bricked Out Index Gobo 4 Horizontal Slits Index Gobo 5 Super Alpha Rays Index Gobo 6 Honey Combe Reverse Index Gobo 7 On the Rock - Clear glass version Index Open - No Gobo Gobo 1 Night Sky Rotate Gobo 2 New Twirler Rotate Gobo 3 Bricked Out Rotate Gobo 4 Horizontal Slits Rotate Gobo 5 Super Alpha Rays Rotate Gobo 6 Honey Combe Reverse Rotate Gobo 7 On the Rock - Clear glass version Rotate Open - No Gobo Gobo 1 Night Sky Rotate Mega Stepping Gobo 2 New Twirler Rotate Mega Stepping Gobo 3 Bricked Out Rotate Mega Stepping Gobo 4 Horizontal Slits Rotate Mega Stepping Gobo 5 Super Alpha Rays Rotate Mega Stepping Gobo 6 Honey Combe Reverse Rotate Mega Stepping Gobo 7 On the Rock - Clear glass version Rotate Mega Stepping Open - No Gobo
21	0-65535 0-32756 32757-32780 32781-65535	32767	Gobo Wheel 2 Rotate/Index High Byte Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
22	0-65535 0-32756 32757-32780 32781-65535	32767	Gobo Wheel 2 Rotate/Index Low Byte Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
23	0-255 0-5 6-10 11-20 21-50 51-60 61-90 91-120	0	Gobo Wheel 2 Control Gobo Selection using shortest (quickest) path. Gobo Selection using normal (longest) path. Reserved Values Wheel Spin CW Forward (Fast to Slow) Wheel Spin STOP Wheel Spin CCW Reverse (Slow to Fast) Gobo Shake Quickest Path (Slow to Fast) For fastest shake set gobo timing to 0

CHANNEL	VALUE	DEFAULT	FUNCTION
	121-150 151-180 181-210 211-255		Gobo Shake Normal Path (Slow to Fast) For fastest shake set gobo timing to 0 Gobo Twist Quickest Path (Slow to Fast) For fastest twist set gobo timing to 0 Gobo Twist Normal Path (Slow to Fast) For fastest twist set gobo timing to 0 Reserved Values
24	0-255 0-10 11-33 34-56 57-79 80-90 91-113 114-136 137-159 160-170 171-193 194-216 217-239 240-255	0	VLFX (Gobo Wheel 3) Open - No Gobo Gobo 1 Amoeboid chamber Index Gobo 2 Dichrofusion Index Gobo 3 Concurrent Index Open - No Gobo Gobo 1 Amoeboid chamber Rotate Gobo 2 Dichrofusion Rotate Gobo 3 Concurrent Rotate Open - No Gobo Gobo 1 Amoeboid chamber Rotate Mega Stepping Gobo 2 Dichrofusion Rotate Mega Stepping Gobo 3 Concurrent Rotate Mega Stepping Open - No Gobo
25	0-65535 0-32756 32757-32780 32781-65535	32767	VLFX (Gobo Wheel 3) Rotate/Index High Byte Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
26	0-65535 0-32756 32757-32780 32781-65535	32767	VLFX (Gobo Wheel 3) Rotate/Index Low Byte Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
27	0-255 0-5 6-10 11-20 21-50 51-60 61-90 91-120 121-150 151-180 181-210	0	VLFX (Gobo Wheel 3) Control Gobo Selection using shortest (quickest) path. Gobo Selection using normal (longest) path. Reserved Values Wheel Spin CW Forward (Fast to Slow) Wheel Spin STOP Wheel Spin CCW Reverse (Slow to Fast) Gobo Shake Quickest Path (Slow to Fast) For fastest shake set gobo timing to 0 Gobo Shake Normal Path (Slow to Fast) For fastest shake set gobo timing to 0 Gobo Twist Quickest Path (Slow to Fast) For fastest twist set gobo timing to 0 Gobo Twist Normal Path (Slow to Fast) For fastest

CHANNEL	VALUE	DEFAULT	FUNCTION
	211-255		twist set gobo timing to 0 Reserved Values
28	0-255 0-200 201-255	0	Iris Iris beam size open to closed Iris pulse slow to fast
29	0-255	0	Frame 1A Controls Framing Shutter 1A from Open (DMX 0) to Full (DMX 255)
30	0-255	0	Frame 1B Controls Framing Shutter 1B from Open (DMX 0) to Full (DMX 255)
31	0-255	0	Frame 2A Controls Framing Shutter 2A from Open (DMX 0) to Full (DMX 255)
32	0-255	0	Frame 2B Controls Framing Shutter 2B from Open (DMX 0) to Full (DMX 255)
33	0-255	0	Frame 3A Controls Framing Shutter 3A from Open (DMX 0) to Full (DMX 255)
34	0-255	0	Frame 3B Controls Framing Shutter 3B from Open (DMX 0) to Full (DMX 255)
35	0-255	0	Frame 4A Controls Framing Shutter 4A from Open (DMX 0) to Full (DMX 255)
36	0-255	0	Frame 4B Controls Framing Shutter 4B from Open (DMX 0) to Full (DMX 255)
37	0-255	128	Frame Rotate Controls Framing Shutter mechanism from +/- 60°
38	0-255 0-5 6-10 11-15 16-20 21-255	0-255	Prism 1 (Triangular) Open Index Rotate Normal Rotate with Mega Stepping Reserved Values
39	0-65535 0-32756 32757-32780 32781-65535	32767	Prism 1 Index/Rotate High Byte Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
40	0-65535	32767	Prism 1 Index/Rotate Low Byte

CHANNEL	VALUE	DEFAULT	FUNCTION
	0-32756 32757-32780 32781-65535		Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
41	0-255 0-5 6-10 11-15 16-20 21-255	0-255	Prism 2 (Flat) Open Index Rotate Normal Rotate with Mega Stepping Reserved Values
42	0-65535 0-32756 32757-32780 32781-65535	32767	Prism 2 Index/Rotate High Byte Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
43	0-65535 0-32756 32757-32780 32781-65535	32767	Prism 2 Index/Rotate Low Byte Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
44	0-255 0-10 11-20 21-25 26-36 37-47 48-255	0	Frost No Frost Frost 1 Frost 2 Open Frost 1+2 Reserved
45	0-255 0-5 6-10 11-125 126-130 131-245 246-250 251-255	9	Strobe Shutter open Shutter close Strobe Slow>>>>>>>>>Fast 0.5Hz-30Hz Shutter open Strobe Random/Random Sync* Slow>>>>>>>>>Fast Shutter open Shutter closed
46	0		Future use channel Channel reserved for future use
47	0-255 0-40 41-45 46-50 51-55 56-60 61-65 66-70 71-75	0	Programmers Channel Idle Dimming Curve Linear Dimming Curve S-Curve Dimming Curve Square Curve (Default)** Dimmer Snap On Dimmer Snap Off (Default) Reserved Values Reserved Values

CHANNEL	VALUE	DEFAULT	FUNCTION
	76-80		Edge Tracking on
	81-85		Edge tracking off (Default)
	86-90		Reserved Values
	91-95		Color Snap off (Default)
	96-100		Color Snap on (de-activates color timing channel)
	101-105		Reserved Values
	106-110		Strobe Random (Default)
	111-115		Strobe Random Sync
	116-120		Reserved Values
	121-125		Reserved Values
	126-130		Reserved Values
	131-135		Reserved Values
	136-140		Reserved Values
	141-145		Reserved Values
	146-150		Reserved Values
	151-155		Reserved Values
	156-160		Reserved Values
	161-165		Reserved Values
	166-170		Reserved Values
	171-175		Reserved Values
	176-255		Reserved Values
48	0-255 0-4 5-255	0	Fan Control Automatic fan/output adjustment (Default) Linear control of fan speed and LED max output* DMX 5 = Highest Constant Fan Speed (Standard mode) DMX 255 = Lowest Constant Fan Speed (Whisper mode) *Standard mode only function is dec-activated if Studio or Boost modes are selected via Dmx or User Interface
49	0-255 0-5 6-10 11-15 16-20 21-25 26-30 31-35 36-40 41-45 46-50	0	Luminaire Control Idle (Default) Full Luminaire ReCal - Also Used to Wake fixture up from shutdown Fixture Shutdown ReBOOT Display - Menu ON Display - Menu OFF Reserved Values Reserved Values Reserved Values Reserved Values

CHANNEL	VALUE	DEFAULT	FUNCTION
	51-55		Reserved Values
	56-60		Reserved Values
	61-65		Reserved Values
	66-70		Reserved Values
	71-75		Reserved Values
	76-80		Reserved Values
	81-85		Reserved Values
	86-90		Status Check (Turn UI Screen Green if fixture has no Error - Red if Error)
	91-95		Side Hang Disable (Default)
	96-100		Side Hang activate
	101-105		Reserved Values
	106-110		Reserved Values
	111-115		Standard Mode (Default) - Variable fan channel active
	116-120		Studio Mode - Reduced output with lower fan settings variable Fan control
	121-125		Whisper Mode - Reduced output with lower fan settings variable Fan control
	126-130		Reserved Values
	131-135		Reserved Values
	136-140		Fan On (Default) (Continuous spin rate - max speed set buy output mode / ch44)
	141-145		Fan Auto (Fan spin rate set by LED temp - max speed set buy output mode / ch44)
	146-150		Reserved Values
	151-155		ReCal Position
	156-160		ReCal Color
	161-165		ReCal Beam
	166-170		ReCal Optics
	171-175		ReCal Gobo
	176-180		Reset fixture to default
	181-185		CTB Correction off (Default)
	186-190		CTB correction on
	191-195		Reserved values
	196-255		Reserved values