









VL6500 Wash Channel Mapping - 16 Bit

DMX Channel	Parameter	Defaults	Range DMX	Description
1	Intensity	0	0 - 255	8-bit control of Fixture Intensity from 0 - 100%
2 3	Pan - High Byte Pan - Low Byte	32767	0 - 65535	16-bit linear control of pan from 0° - 520°
4 5	Tilt - High Byte Tilt - Low Byte	32767	0 - 65535	16-bit linear control of tilt from 0° - 208°
6	Cyan Color	0	0 - 255	<p>Color level control, see Programmers channel for mode switch Channel 19 for saturation / open points Standard Color Mode (Default) DMX 0% (0) = 0% Cyan (white) >>> 100% (255)= 100% Cyan</p>  <p>0% DMX Level 100%</p> <p>Extended Color Control Range Mode DMX 0% (0) = 0% Cyan (white) >>> 85% (214)= 100% Cyan (215 - 255)= Split to White</p>  <p>0% DMX Level 100%</p>
7	Yellow Color	0	0 - 255	<p>Color level control, see Programmers channel for mode switch Channel 19 for saturation / open points Standard Color Mode (Default) DMX 0% (0) = 0% Yellow (white) >>> 100% (255)= 100% Yellow</p>  <p>0% DMX Level 100%</p> <p>Extended Color Control Range Mode DMX 0% (0) = 0% Yellow (white) >>> 85% (214)= 100% Yellow (215 - 255) = Split to White</p>  <p>0% DMX Level 100%</p>
8	Magenta Color	0	0 - 255	<p>Color level control, see Programmers channel for mode switch Channel 19 for saturation / open points Standard Color Mode (Default) DMX 0% (0) = 0% Magenta (white) >>> 100% (255)= 100% Magenta</p>  <p>0% DMX Level 100%</p> <p>Extended Color Control Range Mode DMX 0% (0) = 0% Magenta (white) >>> 85% (214)=100% Magenta (215 - 255) = 0% Split to White</p>  <p>0% DMX Level 100%</p>

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9	CTO Color	0	0 - 255	<p>Color level control, see Programmers channel for mode switch Channel 19 for saturation / open points Standard Color Mode (Default) DMX 0% (0)=0% color (white) >>> 100% (255)= 100% color</p>  <p>0% DMX Level 100%</p> <p>Extended Color Control Range Mode DMX 0% (0)=0% color (white) >>> 85% (214)= 100% color >>> (255)= 0% (White) color</p>  <p>0% DMX Level 100%</p>
10	Color Wheel 1		0 - 255 0 - 18 OPEN 19 - 54 True Red (Center at DMX 36) 55 - 91 Spring Yellow (Center at DMX 73) 92 - 128 Lavender (Center at DMX 109) 129 - 165 1/2 Minus Green (Center at DMX 146) 166 - 202 Kelly Green (Center at DMX 182) 203 - 239 Congo Blue (Center at DMX 218) 240 - 255 OPEN	8-bit linear control of Color Wheel 1. See Color Wheel 1 Control channel (11) for different control options
11	Color Wheel 1 Control		0 - 255 0 - 5 Linear Movement using shortest (quickest) path. 6 - 10 Linear Movement using normal (longest) path. 11 - 15 Wheel Spin Forward 16 - 20 Wheel Spin STOP 21 - 25 Wheel Spin Reverse 26 - 56 Color Shake Quickest Path (Slow to Fast) 57 - 87 Color Shake Normal Path (Slow to Fast) 88 - 255 Reserved Values	Used as a control channel for different movement options of color wheel 1 (10)
12	Color Wheel 2		0 - 255 0 - 18 OPEN 19 - 54 True Blue (Center at DMX 36) 55 - 91 Flesh Pink (Center at DMX 73) 92 - 128 Dark Fuschia (Center at DMX 109) 129 - 165 1/4 Minus Green (Center at DMX 146) 166 - 202 Meadow Green (Center at DMX 182) 203 - 239 Orange (Center at DMX 218) 240 - 255 OPEN	8-bit linear control of Color Wheel 2. See Color Wheel 2 Control channel (13) for different control options

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DMX Channel	Parameter	Defaults	Range DMX	Description
13	Color Wheel 2 Control		0 - 255 0 - 5 6 - 10 11 - 15 16 - 20 21 - 25 26 - 56 57 - 87 88 - 255	Used as a control channel for different movement options of color wheel 1 (12) Linear Movement using shortest (quickest) path. Linear Movement using normal (longest) path. Wheel Spin Forward Wheel Spin STOP Wheel Spin Reverse Color Shake Quickest Path (Slow to Fast) Color Shake Normal Path (Slow to Fast) Reserved Values
14	Color Preset Macro	0 - 255 0 - 5 6 - 255	0 → →	8-bit control of all three Color Wheel Presets / Macros. See User Manual for complete details. Ignore - Uses CYM, CTO and Color Wheels TBD - See User Manual for full color preset listing and color effects
15	Color Wheels Transition Control	0 - 255 0 1 - 255	0 → →	Used in conjunction with Channel 14 to provide different transition options between color presets. Idle Cloak Transition Generator 1 = Fastest Transition thru 255 = 10 Second Transition
16	Diffusion	0	0 - 255	Controls diffusion blades from Full (DMX 0) to Open (DMX 255).
17	Strobe Speed	128	0 - 255	Controls strobe rate from slowest (DMX 0) to fastest (DMX 255)
18	Strobe Control	0	0 - 255 0 - 5 6 - 10 11 - 15 16 - 20 21 - 25 26 - 255	Control Channel for strobing functions. Open Closed Normal Strobe Random Strobe Random Sync Reserved Values
19	Programmers Channel	0	0 - 0 11-20 21-30 31-40 41-50 51-60 61-70	Direct activation programmers modes - These do not require 3 second DMX rule Mode will change and stay active once DMX level is reached Idle (Default Level) Standard Color Mode (default) Extended Color Control Range Mode Dimmer Snap Off (default) Dimmer Snap On Color Snap Off (default) Color Snap on

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DMX Channel	Parameter	Defaults	Range DMX	Description
20	Luminaire Control	0	0 - 255	Control Channel used for full fixture settings, lamp controls, and miscellaneous modes. Set discreet value of desired effect, wait >3 seconds, then set value to 0 (Idle).
			0 - 0	Idle (Default Level)
			6 - 10	Full Luminaire ReCal - Also Used to Wake fixture up from shutdown
			11 - 15	Lamp ON
			16 - 20	Lamp OFF
			21 - 25	Fixture Shutdown
			26 - 30	Display - Menu ON
			31 - 35	Display - Menu OFF
			36 - 40	ReCal Position
			41 - 45	ReCal Color
			46 - 50	Reserved Values
			51 - 55	ReCal Diffusion
			56 - 60	ReCal Dimmer/Strobe
			61 - 65	Reset Fixture to Defaults
			66 - 70	Full Luminaire Reboot. This command will douse lamp and reset all processors in fixture, then ReCal all parameters.
			71 - 75	Fixture Status On/Off. This command will enable the display to show fixture status for 5 min. After this time, displays will return to default configuration. Repeating the command in less than 5 minutes will behave as a toggle.
			76 - 80	Reserved Values
			81 - 85	Reserved Values
			86 - 90	Pan / Tilt Normal (Default)
			91 - 95	Pan / Tilt Fast
			95 - 255	Reserved Values