









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° - 240°
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) Dam 0% (0)=0% color (white) >>> 100% (255)= 100% color</p> <p style="text-align: center;">DMX Level 0 – 100%</p>  <p>Extended Color Control Range Mode Dam 0% (0)=0% color (white) >>> 85% (214)= 100% color >>> (255)= 0% (White) color</p> <p style="text-align: center;">DMX Level 0 – 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) Dam 0% (0)=0% color (white) >>> 100% (255)= 100% color</p> <p style="text-align: center;">DMX Level 0 – 100%</p>  <p>Extended Color Control Range Mode Dam 0% (0)=0% color (white) >>> 85% (214)= 100% color >>> (255)= 0% (White) color</p> <p style="text-align: center;">DMX Level 0 – 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) Dam 0% (0)=0% color (white) >>> 100% (255)= 100% color</p> <p style="text-align: center;">DMX Level 0 – 100%</p>  <p>Extended Color Control Range Mode Dam 0% (0)=0% color (white) >>> 85% (214)=100% color >>> (255)= 0% (White) color</p> <p style="text-align: center;">DMX Level 0 – 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) Dam 0% (0)=0% color (white) >>> 100% (255)= 100% color</p> <p style="text-align: center;">DMX Level 0 – 100%</p>  <p>Extended Color Control Range Mode Dam 0% (0)=0% color (white) >>> 85% (214)= 100% color >>> (255)= 0% (White) color</p> <p style="text-align: center;">DMX Level 0 – 100%</p> 
10	Color Wheel 1		0 - 255	<p>8-bit linear control of Color Wheel 1. See Color Wheel 1 Control channel (11) for different control options</p> <p>0 - 18 OPEN 19 - 54 True Blue (Center at DMX 36) 55 - 91 Flesh Pink (Center at DMX 73) 92 - 128 Sangria (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</p>
11	Color Wheel 1 Control		0 - 255	<p>Used as a control channel for different movement options of color wheel 1 (10)</p> <p>0 - 5 Linear Movement using shortest (quickest) path. 6 - 10 Linear Movement using normal (longest) path. 11 - 15 Wheel Spin Forward (Fast to Slow) 16 - 20 Wheel Spin STOP 21 - 25 Wheel Spin Reverse (Slow to Fast) 26 - 56 Color Shake Quickest Path (Slow to Fast) 57 - 87 Color Shake Normal Path (Slow to Fast) 88 - 255 Reserved Values</p>
12	Color Wheel 2		0 - 255	<p>8-bit linear control of Color Wheel 2. See Color Wheel 2 Control channel (13) for different control options</p> <p>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</p>

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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 (Fast to Slow) Wheel Spin STOP Wheel Spin Reverse (Slow to Fast) Color Shake Quickest Path (Slow to Fast) Color Shake Normal Path (Slow to Fast) Reserved Values
14	Color Wheels Macro / Presets	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 and Color Wheel 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	Dichro-Fusion		0 - 255	Controls Dichro-Fusion, Diffusion blades from open (DMX 0) to Full (DMX 255).
17	Strobe Speed		0 - 255	Controls strobe rate from slowest (DMX 0) to fastest (DMX 255)
18	Strobe Control		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		0-10 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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20	Luminaire Control	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 - 5	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