

VL3500W Channel Mapping

October 7, 2008

DMX Channel	Parameter	Range DMX	Range %	Description
1	Intensity	0 - 255	0 - 100%	Linear Intensity control from 0 (closed) to 255 (open)
2	Pan - High Byte	0 - 65535	0 - 100%	16 bit control of Pan - 530° of movement.
3	Pan - Low Byte			
4	Tilt - High Byte	0 - 65535	0 - 100%	16 bit control of Tilt - 260° of movement.
5	Tilt - Low Byte			
6	Vari*Brite	0 - 255	0 - 100%	Controls split lens assy. 0 (closed) to 255 (open).
7	Zoom	0 - 255	0 - 100%	Controls zoom assy. 0 (narrow) to 255 (wide).
8	CTO	0 - 255	0 - 100%	Controls CTO color wheel. 0 (open) to 255 (full saturation).
9	Cyan	0 - 255	0 - 100%	Controls Cyan color wheel. 0 (open) to 255 (full saturation).
10	Yellow	0 - 255	0 - 100%	Controls Yellow color wheel. 0 (open) to 255 (full saturation).
11	Magenta	0 - 255	0 - 100%	Controls Magenta color wheel. 0 (open) to 255 (full saturation).
12	Fixed Color 1	0 - 255	0 - 100%	Controls Fixed color wheel 1. Linear control from 0 to 216. From 217 to 255 will give different speeds of wheel spin. Center DMX values . . . Position 1 = Open - DMX 0 Position 2 = Red - DMX 37 Position 3 = Yellow - DMX 72 Position 4 = Magenta - DMX 107 Position 5 = Kelly Green - DMX 143 Position 6 = Congo Blue - DMX 179
13	Fixed Color 2	0 - 255	0 - 100%	Controls Fixed color wheel 2. Linear control from 0 to 216. From 217 to 255 will give different speeds of wheel spin. Center DMX values . . . Position 1 = Open - DMX 0 Position 2 = Blue - DMX 37 Position 3 = Amber - DMX 72 Position 4 = Drk Fuchsia - DMX 107 Position 5 = Orange - DMX 143 Position 6 = Green - DMX 179
14	Strobe	0 - 255	0 - 100%	Controls Strobe mechanism. 0 to 2 = Open 3 to 5 = Closed 6 to 7 = Slow Random 8 to 10 = Medium Random 11 to 12 = Fast Random 13 to 255 = Strobe Speed Range (255 - fast)

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15	Aperture Wheel	0 - 255	0 - 100%	Controls aperture wheel using the following levels from 0 to 216. From 217 to 255 will give different speeds of wheel spin. DMX values . . . Position 1 - 52mm = DMX 0 - 43 Position 2 - 40mm = DMX 44 - 86 Position 3 - 35mm = DMX 87 - 129 Position 4 - 30mm = DMX 130 - 172 Position 5 - 25mm = DMX 173 - 216
16	Focus Time	0 - 255	0 - 100%	Allows for luminaire timing of pan and tilt. Profile should default to DMX 255 for smoothest console fade times. -See User Manual for more info.
17	Color Time	0 - 255	0 - 100%	Allows for luminaire timing of color wheels. Profile should default to DMX 255 for smoothest console fade times. -See User Manual for more info.
18	Beam Time	0 - 255	0 - 100%	Allows for luminaire timing of zoom and vibrate. Profile should default to DMX 255 for smoothest console fade times. -See User Manual for more info.
19	Control	0 - 255	0 - 100%	Used to strike/douse the lamp, set lamp levels, and other various functions, as well as resetting the luminaire via the console. DMX values are . . . *Color Snap ON = DMX 20 - 25 *Color Snap OFF (Norm) = DMX 30 - 35 *Dimmer Snap ON = DMX 40 - 45 *Dimmer Snap OFF (Norm) = DMX 50 - 55 Zoom Norm* = DMX 60 - 65 Zoom Studio* = DMX 70 - 75 Full Luminaire Reset = DMX 81 - 87 ReCal Color = DMX 100 - 104 ReCal Beam = DMX 126 - 130 ReCal Dim/Strobe = DMX 138 - 142 Lamp OFF = DMX 165 - 171 Lamp @ 900W = DMX 176 - 184 Lamp @ 1200W = DMX 189 - 194 Lamp @ 1500W = DMX 199 - 204 Lamp ON = DMX 249 - 255 * Note that these functions do not require the 3 sec rule to execute. All other values do require 3 sec rule. -See User Manual for more info.