

DMX Channel Index

HIGHLANDER

WASH



Fixture software version 26



GLP® Highlander Wash DMX Channel Index – Revision A

This document covers fixture software version 26

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1. DMX control layout

Normal Mode (26 DMX channels)

Channel	Function	Description	DMX range	Default DMX	% Range	Fade
1	Pan coarse	-270° – +270° in 1.2° increments (16-bit)	0 – 65535	32767	0 – 100%	Fade
2	Pan fine					
3	Tilt coarse	-135° – +135° in 1.2° increments (16-bit)	0 – 65535	32767	0 – 100%	Fade
4	Tilt fine					
5	Color wheel 1	Open	0 – 5	0	0 – 2.0%	Snap
		Color 1 – Deep red	6 – 10		2.4 – 3.9%	Snap
		Color 2 – Blue	11 – 15		4.3 – 5.9%	Snap
		Color 3 – Deep green	16 – 20		6.3 – 7.8%	Snap
		Color 4 – Light green	21 – 25		8.2 – 9.8%	Snap
		Color 5 – Yellow	26 – 30		10.2 – 11.8%	Snap
		Color 6 – Orange	31 – 35		12.2 – 13.7%	Snap
		Color 7 – Deep blue	36 – 40		14.1 – 15.7%	Snap
		Open	41 – 43		16.1 – 16.9%	Snap
		Color wheel indexing 0 – 360° (continuous color changing)	44 – 167		17.3 – 65.5%	Fade
Color wheel rotation CW fast – slow	168 – 211	65.9 – 82.7%	Fade			
Color wheel rotation stop	212	83.1%	Snap			
Color wheel rotation CCW slow – fast	213 – 255	83.5 – 100%	Fade			
6	Color wheel 2	Open	0 – 5	0	0 – 2.0%	Snap
		Color 1 – Lavender	6 – 10		2.4 – 3.9%	Snap
		Color 2 – Magenta	11 – 15		4.3 – 5.9%	Snap
		Color 3 – Pink	16 – 20		6.3 – 7.8%	Snap
		Color 4 – Half minus green	21 – 25		8.2 – 9.8%	Snap
		Color 5 – CTB	26 – 30		10.2 – 11.8%	Snap
		Color 6 – CTO	31 – 35		12.2 – 13.7%	Snap
		Color 7 – Amber	36 – 40		14.1 – 15.7%	Snap
		Open	41 – 43		16.1 – 16.9%	Snap
		Color wheel indexing 0 – 360° (continuous color changing)	44 – 167		17.3 – 65.5%	Fade
Color wheel rotation CW fast – slow	168 – 211	65.9 – 82.7%	Fade			
Color wheel rotation stop	212	83.1%	Snap			
Color wheel rotation CCW slow – fast	213 – 255	83.5 – 100%	Fade			
7	Cyan	Cyan 0 – 100%	0 – 255	0	0 – 100%	Fade
8	Magenta	Magenta 0 – 100%	0 – 255	0	0 – 100%	Fade
9	Yellow	Yellow 0 – 100%	0 – 255	0	0 – 100%	Fade
10	CTO	CTO 0 – 100%	0 – 255	0	0 – 100%	Fade
11	Shutter	Shutter closed	0 – 15	255	0 – 5.9%	Snap
		Pulse, random, slow – fast	16 – 47		6.3 – 18.4%	Fade
		Pulse, slow – fast	48 – 79		18.8 – 31%	
		Pulse open, slow – fast	80 – 111		31.4 – 43.5%	
		Pulse close, slow – fast	112 – 143		43.9 – 56.1%	
		Strobe, random, slow – fast	144 – 199		56.5 – 78.0%	
		Strobe, 1 – 10 Hz	200 – 239		78.4 – 93.7%	
		Shutter open	240 – 255		94.1 – 100%	Snap

12	Dimmer coarse	Intensity 0 – 100%	0 – 65535	32768	0 – 100%	Fade
13	Dimmer fine					
14	Zoom	Wide – narrow	0 – 255	128	0 – 100%	Fade
15	Focus	Near – far	0 – 255	128	0 – 100%	Fade
16	Framing module indexing	CW indexing from 0° to -45° Center: 0° CCW indexing from 0° to +45°	0 – 128 128 129 – 255	128	0 – 50.2% 50.2% 50.6 – 100%	Fade Snap Fade
17	Framing blade 1 position / left	PI mode: In – out LR mode: Blade left side	0 – 255 0 – 255	0 0	0 – 100% 0 – 100%	Fade Fade
18	Framing blade 1 index / right	PI mode: Tilt -30° – +30° LR mode: Blade right side	0 – 255 0 – 255	128 0	0 – 100% 0 – 100%	Fade Fade
19	Framing blade 2 position / left	PI mode: In – out LR mode: Blade left side	0 – 255 0 – 255	0 0	0 – 100% 0 – 100%	Fade Fade
20	Framing blade 2 index / right	PI mode: Tilt -30° – +30° LR mode: Blade right side	0 – 255 0 – 255	128 0	0 – 100% 0 – 100%	Fade Fade
21	Framing blade 3 position / left	PI mode: In – out LR mode: Blade left side	0 – 255 0 – 255	0 0	0 – 100% 0 – 100%	Fade Fade
22	Framing blade 3 index / right	PI mode: Tilt -30° – +30° LR mode: Blade right side	0 – 255 0 – 255	128 0	0 – 100% 0 – 100%	Fade Fade
23	Framing blade 4 position / left	PI mode: In – out LR mode: Blade left side	0 – 255 0 – 255	0 0	0 – 100% 0 – 100%	Fade Fade
24	Framing blade 4 index / right	PI mode: Tilt -30° – +30° LR mode: Blade right side	0 – 255 0 – 255	128 0	0 – 100% 0 – 100%	Fade Fade
25	Iris	Open – closed	0 – 255	128	0 – 100%	Fade

26	Special/Control	No function	0 – 26	0	0 – 10.2%	Snap
		Movement fast*	27 – 29		10.6 – 11.4%	
		Movement normal*	30 – 32		11.8 – 12.5%	
		Movement smooth*	33 – 35		12.9 – 13.7%	
		No function	36 – 38		14.1 – 14.9%	
		Dimmer curve soft*	39 – 41		15.3 – 16.1%	
		Dimmer curve linear*	42 – 44		16.5 – 17.3%	
		No function	45 – 53		17.6 – 20.8%	
		Display off*	54 – 56		21.2 – 22%	
		Display auto-off*	57 – 59		22.4 – 23.1%	
		Display on*	60 – 62		23.5 – 24.3%	
		Display orientation normal*	63 – 65		24.7 – 25.5%	
		Display orientation invert*	66 – 68		25.9 – 26.7%	
		Display orientation auto*	69 – 71		27.1 – 27.8%	
		No DMX = blackout*	72 – 74		28.2 – 29.0%	
		No DMX = hold*	75 – 77		29.4 – 30.2%	
		No DMX = stand-alone*	78 – 80		30.6 – 31.4%	
		Capture stand-alone scene* (DMX snapshot)*	81 – 83		31.8 – 32.5%	
		No function	84 – 86		32.9 – 33.7%	
		Fan regulated*	87 – 89		34.1 – 34.9%	
		Fan high*	90 – 92		35.3 – 36.1%	
		No function	93 – 104		36.5 – 40.8%	
		Position feedback off*	105 – 107		41.2 – 42.0%	
		Position feedback on*	108 – 110		42.4 – 43.1%	
		Effect shortcuts off*	111 – 113		43.5 – 44.3%	
		Effect shortcuts on*	114 – 116		44.7 – 45.5%	
		Tilt invert off*	117 – 119		45.9 – 46.7%	
		Tilt invert on*	120 – 122		47.1 – 47.8%	
		Pan invert off*	123 – 125		48.2 – 49.0%	
		Pan invert on*	126 – 128		49.4 – 50.2%	
		Zoom invert off*	129 – 131		50.6 – 51.4%	
		Zoom invert on*	132 – 134		51.8 – 52.5%	
		No function	135 – 140		52.9 – 54.9%	
		Focus tracking off*	141 – 143		55.3 – 56.1%	
		Focus tracking near*	144 – 146		56.5 – 57.3%	
		Focus tracking medium*	147 – 149		57.6 – 58.4%	
		Focus tracking far*	150 – 152		58.8 – 59.6%	
		No function	153 – 158		60.0 – 62.0%	
Framing Control = PI Mode, (position/Index)*	159 – 161	62.4 – 63.1%				
Framing Control = LR Mode, (left/right)*	162 – 164	63.5 – 64.3%				
No function	165 – 191	64.7 – 74.9%				
Lamp power Eco*	192 – 194	75.3 – 76.1%				
Lamp power Normal*	195 – 197	76.5 – 77.3%				
No function	198 – 200	77.6 – 78.4%				
Auto lamp on enabled*	201 – 203	78.8 – 79.6%				
Auto lamp on disabled*	204 – 206	80.0 – 80.8%				
No function	207 – 209	81.2 – 82.0%				
Lamp on*	210 – 212	82.4 – 83.1%				
Lamp off*	213 – 215	83.5 – 84.3%				
No function	216 – 245	84.7 – 96.1%				
Reset pan/tilt only *	246 – 248	96.5 – 97.3%				
Reset head only*	249 – 251	97.6 – 98.4%				
Reset all*	252 – 255	98.8 – 100%				

* Hold value for 3 seconds to apply

Notes:

Percentage values are calculated by dividing DMX values by 2.56 and rounding to the nearest 0.1%.

To apply a command on the Special/Control channel, send the corresponding DMX value for the indicated time (3 seconds).

*Default settings are written in **bold type**.*

