

DMX Channel Index

X5 Dot Wash

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GLP German Light Products

Document revisions

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1. DMX modes overview

Mode	Name	Channels	Contents
1	Normal	4	16-bit Intensity, shutter and CTC
2	Direct	7	16-bit Direct emitter control, intensity and shutter

Modes

	M1 - Compressed	M2- Simple	M3- Normal	M4 - Direct Emitter Control
1	Red Coarse	Intensity Coarse	Intensity Coarse	Intensity Coarse
2	Red Fine	Intensity Fine	Intensity Fine	Intensity Fine
3	Green Coarse	Shutter	Shutter	Shutter
4	Green Fine	Red Coarse	Red Coarse	Red Coarse
5	Blue Coarse	Red Fine	Red Fine	Red Fine
6	Blue Fine	Green Coarse	Green Coarse	Green Coarse
7		Green Fine	Green Fine	Green Fine
8		Blue Coarse	Blue Coarse	Blue Coarse
9		Blue Fine	Blue Fine	Blue Fine
10			CTC	Lime Coarse
11			M/G-Shift	Lime Fine
12			CQC - Color Quality Control	

2. DMX control channel layout

Intensity

Function	DMX from	DMX to	Slot style	Note
Intensity	0	255	Fade	Intensity 0-100, quadratic curve

WW/CW

Function	DMX from	DMX to	Slot style	Note
WW/CW	0	255	Fade	Warm White, Cold White 0-100, quadratic curve

RGB(L)

Function	DMX from	DMX to	Slot style	Note
RGB(L)	0	255	Fade	RBG(L) 0-100

Shutter

Function	DMX from	DMX to	Slot style	Note
Closed	0	4	snap	Global Shutter for the whole fixture / full blackout or no visibility of Layer
Single Flash	5	9	fade	One Single Flash if Value Change within this range (005..009)
Pulse (slow-fast)	10	39	fade	Synchronized Pulse (Ramp- Up/Down) Effect / Speed adjustable from slow to fast within this range (010..039)
Pulse Open (slow- fast)	40	69	fade	Synchronized Pulse Open (Ramp-Up) Effect / Speed adjustable from slow to fast within this range (040..069)
Pulse Close (slow- fast)	70	99	fade	Synchronized Pulse Close (Ramp-Up) Effect / Speed adjustable from slow to fast within this range (070..099)
Double-Flash (slow > fast)	100	129	fade	Synchronized Double Flash slow to fast (same as KNV) / Speed adjustable from slow to fast within this range (100..129)

Function	DMX from	DMX to	Slot style	Note
Strobe Rnd all (slow-fast)	130	199	fade	Random Strobe on all Pixels slow to fast / Speed adjustable from slow to fast within this range (130..199)
Strobe Sync all Pixel (slow-fast)	200	250	fade	Synchronizes Strobe slow 1Hz to fast / Speed adjustable from slow to fast within this range (200..250)
Open	251	255	snap	Continuously on / layer fully visible

CTC (Color Temperature Control)

Function	DMX from	DMX to	Slot style	Note
Open	0	10	Snap	Selected White Point
10000K	11	11	Snap	Fade through Colortemperatures of 1000K to 2500K steppless (interpolation)
9999..2501K	12	254	fade	
2500K	255	255	snap	

M/G Shift (Magenta/Green Shift)

Magenta-Green-Shift	DMX Value		Slot Style	Note
Off - (no correction)	0	9	snap	neutral / no effect
Full plus Magenta +100% (-0,05 Duv)	10	10	snap	
Plus Magenta +99% .. + 1%	11	124	fade	
Neutral / no effect	125	140	snap	neutral / no effect
Plus green +1% .. +99%	141	254	fade	
Full plus green +100% (+ 0,05 Duv)	255	255	snap	

CQC (Color Quality Control)

Function	DMX from	DMX to	Slot style	Note
High Brightness to High Color Rendering	0	255	Fade	